

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

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

OMB APPROVAL

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FORM 13F INFORMATION TABLE

COLUMN 1 NAME OF ISSUER	COLUMN 2 TITLE OF CLASS	COLUMN 3 CUSIP	COLUMN 4	COLUMN 5		COLUMN 6 INVESTMENT DISCRETION	COLUMN 7 OTHER MANAGER	COLUMN 8 VOTING AUTHORITY		
			VALUE (x\$1000)	SHRS OR SH/ PRN	PUT/ CALL			SOLE	SHARED	NONE
1 800 FLOWERS.COM INC CL A	COM	68243Q106	298	15,773	SH	SOLE	1	15,773	0	0
1ST CONSTITUTION BANCORP	COM	31986N102	88	4,769	SH	SOLE	1	4,769	0	0
1ST SOURCE CORP	COM	336901103	416	8,973	SH	SOLE	1	8,973	0	0
22ND CENTURY GROUP INC	COM	90137F103	154	73,576	SH	SOLE	1	73,576	0	0
2U INC	COM	90214J101	40	1,073	SH	SOLE	1	1,073	0	0
3D SYSTEMS CORP	COM	88554D205	778	85,525	SH	SOLE	1	85,525	0	0
3M CO	COM	88579Y101	41,889	241,659	SH	SOLE	1	241,659	0	0
51JOB INC ADR	ADR	316827104	23	300	SH	SOLE	1	300	0	0
58.COM INC ADR	ADR	31680Q104	81	1,302	SH	SOLE	1	1,302	0	0
8X8 INC	COM	282914100	1,701	70,579	SH	SOLE	1	70,579	0	0
A10 NETWORKS INC	COM	002121101	242	35,523	SH	SOLE	1	35,523	0	0
AARON S INC	COM	002535300	10,691	174,100	SH	SOLE	1	174,100	0	0
ABBOTT LABORATORIES	COM	002824100	54,757	651,099	SH	SOLE	1	651,099	0	0
ABBVIE INC	COM	00287Y109	318,678	4,382,261	SH	SOLE	1	4,382,261	0	0
ABEONA THERAPEUTICS INC	COM	00289Y107	98	20,466	SH	SOLE	1	20,466	0	0
ABERCROMBIE & FITCH CO CL A	COM	002896207	800	49,896	SH	SOLE	1	49,896	0	0
ABIOMED INC	COM	003654100	4,251	16,319	SH	SOLE	1	16,319	0	0
ABM INDUSTRIES INC	COM	000957100	1,996	49,900	SH	SOLE	1	49,900	0	0
ABRAXAS PETROLEUM CORP	COM	003830106	105	101,842	SH	SOLE	1	101,842	0	0
ACACIA COMMUNICATIONS INC	COM	00401C108	1,124	23,832	SH	SOLE	1	23,832	0	0
ACACIA RESEARCH CORP	COM	003881307	91	30,892	SH	SOLE	1	30,892	0	0
ACADIA HEALTHCARE CO INC	COM	00404A109	6,056	173,272	SH	SOLE	1	173,272	0	0
ACADIA PHARMACEUTICALS INC	COM	004225108	1,791	66,993	SH	SOLE	1	66,993	0	0
ACADIA REALTY TRUST	COM	004239109	1,675	61,211	SH	SOLE	1	61,211	0	0
ACCELERATE DIAGNOSTICS INC	COM	00430H102	397	17,343	SH	SOLE	1	17,343	0	0
ACCELERON PHARMA INC	COM	00434H108	1,176	28,637	SH	SOLE	1	28,637	0	0
ACCO BRANDS CORP	COM	00081T108	503	63,913	SH	SOLE	1	63,913	0	0
ACCURAY INC	COM	004397105	214	55,240	SH	SOLE	1	55,240	0	0

ACELRX PHARMACEUTICALS INC	COM	00444T100	127	49,824	SH	SOLE	1	49,824	0	0
ACER THERAPEUTICS INC	COM	00444P108	12	3,192	SH	SOLE	1	3,192	0	0
ACETO CORP	COM	004446100	0	1	SH	SOLE	1	1	0	0
ACHILLION PHARMACEUTICALS	COM	00448Q201	232	86,639	SH	SOLE	1	86,639	0	0
ACI WORLDWIDE INC	COM	004498101	9,739	283,603	SH	SOLE	1	283,603	0	0
ACLARIS THERAPEUTICS INC	COM	00461U105	43	19,592	SH	SOLE	1	19,592	0	0
ACNB CORP	COM	000868109	172	4,350	SH	SOLE	1	4,350	0	0
ACORDA THERAPEUTICS INC	COM	00484M106	254	33,083	SH	SOLE	1	33,083	0	0
ACTIVISION BLIZZARD INC	COM	00507V109	15,295	324,052	SH	SOLE	1	324,052	0	0
ACTUANT CORP A	COM	00508X203	1,054	42,471	SH	SOLE	1	42,471	0	0
ACUITY BRANDS INC	COM	00508Y102	10,764	78,049	SH	SOLE	1	78,049	0	0
ACUSHNET HOLDINGS CORP	COM	005098108	588	22,376	SH	SOLE	1	22,376	0	0
ADAMAS PHARMACEUTICALS INC	COM	00548A106	89	14,357	SH	SOLE	1	14,357	0	0
ADDUS HOMECARE CORP	COM	006739106	589	7,865	SH	SOLE	1	7,865	0	0
ADESTO TECHNOLOGIES CORP	COM	00687D101	139	17,010	SH	SOLE	1	17,010	0	0
ADMA BIOLOGICS INC	COM	000899104	67	17,385	SH	SOLE	1	17,385	0	0
ADOBE INC	COM	00724F101	60,823	206,426	SH	SOLE	1	206,426	0	0
ADT INC	COM	00090Q103	11	1,830	SH	SOLE	1	1,830	0	0
ADTALEM GLOBAL EDUCATION INC	COM	00737L103	6,557	145,543	SH	SOLE	1	145,543	0	0
ADTRAN INC	COM	00738A106	545	35,754	SH	SOLE	1	35,754	0	0
ADURO BIOTECH INC	COM	00739L101	64	41,650	SH	SOLE	1	41,650	0	0
ADVANCE AUTO PARTS INC	COM	00751Y106	3,754	24,357	SH	SOLE	1	24,357	0	0
ADVANCED DISPOSAL SERVICES I	COM	00790X101	1,475	46,211	SH	SOLE	1	46,211	0	0
ADVANCED DRAINAGE SYSTEMS IN	COM	00790R104	759	23,147	SH	SOLE	1	23,147	0	0
ADVANCED EMISSIONS SOLUTIONS	COM	00770C101	132	10,465	SH	SOLE	1	10,465	0	0
ADVANCED ENERGY INDUSTRIES	COM	007973100	1,607	28,563	SH	SOLE	1	28,563	0	0
ADVANCED MICRO DEVICES	COM	007903107	12,016	395,658	SH	SOLE	1	395,658	0	0
ADVANSIX INC	COM	00773T101	521	21,322	SH	SOLE	1	21,322	0	0
ADVERUM BIOTECHNOLOGIES INC	COM	00773U108	402	33,777	SH	SOLE	1	33,777	0	0
AECOM	COM	00766T100	12,792	337,977	SH	SOLE	1	337,977	0	0
AEGION CORP	COM	00770F104	427	23,223	SH	SOLE	1	23,223	0	0
AEGLEA BIOTHERAPEUTICS INC	COM	00773J103	114	16,636	SH	SOLE	1	16,636	0	0
AERIE PHARMACEUTICALS INC	COM	00771V108	793	26,841	SH	SOLE	1	26,841	0	0
AEROHIVE NETWORKS INC	COM	007786106	123	27,797	SH	SOLE	1	27,797	0	0
AEROJET ROCKETDYNE HOLDINGS	COM	007800105	2,449	54,701	SH	SOLE	1	54,701	0	0
AEROVIRONMENT INC	COM	008073108	906	15,964	SH	SOLE	1	15,964	0	0

AES CORP	COM	00130H105	6,713	400,511 SH	SOLE	1	400,511	0	0
AFFILIATED MANAGERS GROUP	COM	008252108	1,628	17,673 SH	SOLE	1	17,673	0	0
AFLAC INC	COM	001055102	17,491	319,114 SH	SOLE	1	319,114	0	0
AG MORTGAGE INVESTMENT TRUST	COM	001228105	329	20,694 SH	SOLE	1	20,694	0	0
AGCO CORP	COM	001084102	9,774	126,003 SH	SOLE	1	126,003	0	0
AGENUS INC	COM	00847G705	200	66,534 SH	SOLE	1	66,534	0	0
AGEX THERAPEUTICS INC	COM	00848H108	50	13,524 SH	SOLE	1	13,524	0	0
AGILENT TECHNOLOGIES INC	COM	00846U101	9,550	127,896 SH	SOLE	1	127,896	0	0
AGILYSYS INC	COM	00847J105	285	13,254 SH	SOLE	1	13,254	0	0
AGIOS PHARMACEUTICALS INC	COM	00847X104	44	881 SH	SOLE	1	881	0	0
AGNC INVESTMENT CORP	COM	00123Q104	146	8,692 SH	SOLE	1	8,692	0	0
AGREE REALTY CORP	COM	008492100	1,813	28,301 SH	SOLE	1	28,301	0	0
AIMMUNE THERAPEUTICS INC	COM	00900T107	588	28,249 SH	SOLE	1	28,249	0	0
AIR LEASE CORP	COM	00912X302	72	1,748 SH	SOLE	1	1,748	0	0
AIR PRODUCTS & CHEMICALS INC	COM	009158106	18,750	82,828 SH	SOLE	1	82,828	0	0
AIR TRANSPORT SERVICES GROUP	COM	00922R105	907	37,184 SH	SOLE	1	37,184	0	0
AIRGAIN INC	COM	00938A104	83	5,885 SH	SOLE	1	5,885	0	0
AK STEEL HOLDING CORP	COM	001547108	560	236,320 SH	SOLE	1	236,320	0	0
AKAMAI TECHNOLOGIES INC	COM	00971T101	4,710	58,776 SH	SOLE	1	58,776	0	0
AKCEA THERAPEUTICS INC	COM	00972L107	185	7,908 SH	SOLE	1	7,908	0	0
AKEBIA THERAPEUTICS INC	COM	00972D105	363	75,068 SH	SOLE	1	75,068	0	0
AKORN INC	COM	009728106	361	70,130 SH	SOLE	1	70,130	0	0
AKOUSTIS TECHNOLOGIES INC	COM	00973N102	102	15,968 SH	SOLE	1	15,968	0	0
ALAMO GROUP INC	COM	011311107	729	7,296 SH	SOLE	1	7,296	0	0
ALARM.COM HOLDINGS INC	COM	011642105	1,465	27,384 SH	SOLE	1	27,384	0	0
ALASKA AIR GROUP INC	COM	011659109	2,752	43,053 SH	SOLE	1	43,053	0	0
ALBANY INTL CORP CL A	COM	012348108	1,813	21,869 SH	SOLE	1	21,869	0	0
ALBEMARLE CORP	COM	012653101	2,575	36,571 SH	SOLE	1	36,571	0	0
ALBIREO PHARMA INC	COM	01345P106	212	6,566 SH	SOLE	1	6,566	0	0
ALCOA CORP	COM	013872106	70	3,010 SH	SOLE	1	3,010	0	0
ALDER BIOPHARMACEUTICALS INC	COM	014339105	546	46,382 SH	SOLE	1	46,382	0	0
ALDEYRA THERAPEUTICS INC	COM	01438T106	86	14,340 SH	SOLE	1	14,340	0	0
ALECTOR INC	COM	014442107	119	6,249 SH	SOLE	1	6,249	0	0
ALEXANDER & BALDWIN INC	COM	014491104	4,043	175,023 SH	SOLE	1	175,023	0	0
ALEXANDER S INC	COM	014752109	502	1,355 SH	SOLE	1	1,355	0	0
ALEXANDRIA REAL ESTATE EQUIT	COM	015271109	5,499	38,972 SH	SOLE	1	38,972	0	0

ALEXION PHARMACEUTICALS INC	COM	015351109	12,653	96,606	SH	SOLE	1	96,606	0	0
ALIBABA GROUP HOLDING SP ADR	ADR	01609W102	3,415	20,155	SH	SOLE	1	20,155	0	0
ALICO INC	COM	016230104	78	2,566	SH	SOLE	1	2,566	0	0
ALIGN TECHNOLOGY INC	COM	016255101	8,890	32,481	SH	SOLE	1	32,481	0	0
ALLAKOS INC	COM	01671P100	478	11,031	SH	SOLE	1	11,031	0	0
ALLEGHANY CORP	COM	017175100	19,222	28,221	SH	SOLE	1	28,221	0	0
ALLEGHENY TECHNOLOGIES INC	COM	01741R102	8,170	324,195	SH	SOLE	1	324,195	0	0
ALLEGIANCE BANCSHARES INC	COM	01748H107	413	12,378	SH	SOLE	1	12,378	0	0
ALLEGIANT TRAVEL CO	COM	01748X102	1,397	9,732	SH	SOLE	1	9,732	0	0
ALLETE INC	COM	018522300	11,067	133,000	SH	SOLE	1	133,000	0	0
ALLIANCE DATA SYSTEMS CORP	COM	018581108	2,117	15,106	SH	SOLE	1	15,106	0	0
ALLIANT ENERGY CORP	COM	018802108	3,935	80,174	SH	SOLE	1	80,174	0	0
ALLIED MOTION TECHNOLOGIES	COM	019330109	170	4,496	SH	SOLE	1	4,496	0	0
ALLISON TRANSMISSION HOLDING	COM	01973R101	130	2,807	SH	SOLE	1	2,807	0	0
ALLOGENE THERAPEUTICS INC	COM	019770106	662	24,664	SH	SOLE	1	24,664	0	0
ALLSCRIPTS HEALTHCARE SOLUTI	COM	01988P108	4,977	427,960	SH	SOLE	1	427,960	0	0
ALLSTATE CORP	COM	020002101	17,446	171,558	SH	SOLE	1	171,558	0	0
ALLY FINANCIAL INC	COM	02005N100	200	6,445	SH	SOLE	1	6,445	0	0
ALNYLAM PHARMACEUTICALS INC	COM	02043Q107	178	2,448	SH	SOLE	1	2,448	0	0
ALPHABET INC CL A	COM	02079K305	145,736	134,592	SH	SOLE	1	134,592	0	0
ALPHABET INC CL C	COM	02079K107	126,287	116,834	SH	SOLE	1	116,834	0	0
ALPHATEC HOLDINGS INC	COM	02081G201	86	18,980	SH	SOLE	1	18,980	0	0
ALTAIR ENGINEERING INC A	COM	021369103	990	24,517	SH	SOLE	1	24,517	0	0
ALTERYX INC CLASS A	COM	02156B103	121	1,111	SH	SOLE	1	1,111	0	0
ALTICE USA INC A	COM	02156K103	196	8,038	SH	SOLE	1	8,038	0	0
ALTRA INDUSTRIAL MOTION CORP	COM	02208R106	1,468	40,915	SH	SOLE	1	40,915	0	0
ALTRIA GROUP INC	COM	02209S103	304,210	6,424,716	SH	SOLE	1	6,424,716	0	0
ALTUS MIDSTREAM CO A	COM	02215L100	119	32,032	SH	SOLE	1	32,032	0	0
AMAG PHARMACEUTICALS INC	COM	00163U106	252	25,254	SH	SOLE	1	25,254	0	0
AMALGAMATED BK OF NEW YORK A	COM	022663108	154	8,809	SH	SOLE	1	8,809	0	0
AMAZON.COM INC	COM	023135106	300,506	158,693	SH	SOLE	1	158,693	0	0
AMBAC FINANCIAL GROUP INC	COM	023139884	572	33,921	SH	SOLE	1	33,921	0	0
AMBER ROAD INC	COM	02318Y108	208	15,896	SH	SOLE	1	15,896	0	0
AMC ENTERTAINMENT HLDS CL A	COM	00165C104	306	32,804	SH	SOLE	1	32,804	0	0
AMC NETWORKS INC A	COM	00164V103	4,843	88,882	SH	SOLE	1	88,882	0	0
AMEDISYS INC	COM	023436108	9,282	76,449	SH	SOLE	1	76,449	0	0
AMER NATL BNKSHS/DANVILLE VA	COM	027745108	264	6,803	SH	SOLE	1	6,803	0	0

AMERANT BANCORP INC	COM	023576101	243	12,302	SH	SOLE	1	12,302	0	0
AMERCO	COM	023586100	54	143	SH	SOLE	1	143	0	0
AMEREN CORPORATION	COM	023608102	6,172	82,178	SH	SOLE	1	82,178	0	0
AMERESCO INC CL A	COM	02361E108	206	13,965	SH	SOLE	1	13,965	0	0
AMERICA S CAR MART INC	COM	03062T105	342	3,969	SH	SOLE	1	3,969	0	0
AMERICAN AIRLINES GROUP INC	COM	02376R102	5,598	171,674	SH	SOLE	1	171,674	0	0
AMERICAN ASSETS TRUST INC	COM	024013104	1,648	34,969	SH	SOLE	1	34,969	0	0
AMERICAN AXLE & MFG HOLDINGS	COM	024061103	1,072	84,035	SH	SOLE	1	84,035	0	0
AMERICAN CAMPUS COMMUNITIES	COM	024835100	12,378	268,165	SH	SOLE	1	268,165	0	0
AMERICAN EAGLE OUTFITTERS	COM	02553E106	7,097	419,923	SH	SOLE	1	419,923	0	0
AMERICAN ELECTRIC POWER	COM	025537101	14,290	162,370	SH	SOLE	1	162,370	0	0
AMERICAN EQUITY INVT LIFE HL	COM	025676206	1,838	67,681	SH	SOLE	1	67,681	0	0
AMERICAN EXPRESS CO	COM	025816109	33,193	268,900	SH	SOLE	1	268,900	0	0
AMERICAN FINANCE TRUST INC	COM	02607T109	742	67,993	SH	SOLE	1	67,993	0	0
AMERICAN FINANCIAL GROUP INC	COM	025932104	14,190	138,475	SH	SOLE	1	138,475	0	0
AMERICAN HOMES 4 RENT A	COM	02665T306	123	5,073	SH	SOLE	1	5,073	0	0
AMERICAN INTERNATIONAL GROUP	COM	026874784	15,249	286,203	SH	SOLE	1	286,203	0	0
AMERICAN NATIONAL INSURANCE	COM	028591105	14	120	SH	SOLE	1	120	0	0
AMERICAN OUTDOOR BRANDS CORP	COM	02874P103	310	34,400	SH	SOLE	1	34,400	0	0
AMERICAN PUBLIC EDUCATION	COM	02913V103	362	12,241	SH	SOLE	1	12,241	0	0
AMERICAN REALTY INVESTORS IN	COM	029174109	22	1,584	SH	SOLE	1	1,584	0	0
AMERICAN RENAL ASSOCIATES HO	COM	029227105	87	11,664	SH	SOLE	1	11,664	0	0
AMERICAN SOFTWARE INC CL A	COM	029683109	241	18,336	SH	SOLE	1	18,336	0	0
AMERICAN STATES WATER CO	COM	029899101	2,070	27,509	SH	SOLE	1	27,509	0	0
AMERICAN SUPERCONDUCTOR CORP	COM	030111207	124	13,354	SH	SOLE	1	13,354	0	0
AMERICAN TOWER CORP	COM	03027X100	33,441	163,568	SH	SOLE	1	163,568	0	0
AMERICAN VANGUARD CORP	COM	030371108	324	21,029	SH	SOLE	1	21,029	0	0
AMERICAN WATER WORKS CO INC	COM	030420103	10,812	93,207	SH	SOLE	1	93,207	0	0
AMERICAN WOODMARK CORP	COM	030506109	961	11,355	SH	SOLE	1	11,355	0	0
AMERICOLD REALTY TRUST	COM	03064D108	152	4,681	SH	SOLE	1	4,681	0	0
AMERIPRISE FINANCIAL INC	COM	03076C106	7,696	53,014	SH	SOLE	1	53,014	0	0
AMERIS BANCORP	COM	03076K108	1,808	46,146	SH	SOLE	1	46,146	0	0
AMERISAFE INC	COM	03071H100	915	14,347	SH	SOLE	1	14,347	0	0

AMERISOURCEBERGEN CORP	COM	03073E105	4,680	54,893	SH	SOLE	1	54,893	0	0
AMES NATIONAL CORP	COM	031001100	153	5,643	SH	SOLE	1	5,643	0	0
AMETEK INC	COM	031100100	8,322	91,613	SH	SOLE	1	91,613	0	0
AMGEN INC	COM	031162100	51,997	282,163	SH	SOLE	1	282,163	0	0
AMICUS THERAPEUTICS INC	COM	03152W109	1,838	147,248	SH	SOLE	1	147,248	0	0
AMKOR TECHNOLOGY INC	COM	031652100	466	62,459	SH	SOLE	1	62,459	0	0
AMN HEALTHCARE SERVICES INC	COM	001744101	1,877	34,591	SH	SOLE	1	34,591	0	0
AMNEAL PHARMACEUTICALS INC	COM	03168L105	427	59,576	SH	SOLE	1	59,576	0	0
AMPHASTAR PHARMACEUTICALS IN	COM	03209R103	566	26,835	SH	SOLE	1	26,835	0	0
AMPHENOL CORP CL A	COM	032095101	10,000	104,230	SH	SOLE	1	104,230	0	0
AMYRIS INC	COM	03236M200	84	23,687	SH	SOLE	1	23,687	0	0
ANADARKO PETROLEUM CORP	COM	032511107	12,823	181,731	SH	SOLE	1	181,731	0	0
ANALOG DEVICES INC	COM	032654105	17,851	158,153	SH	SOLE	1	158,153	0	0
ANAPLAN INC	COM	03272L108	101	2,004	SH	SOLE	1	2,004	0	0
ANAPTYSBIO INC	COM	032724106	881	15,621	SH	SOLE	1	15,621	0	0
ANAVEX LIFE SCIENCES CORP	COM	032797300	92	27,296	SH	SOLE	1	27,296	0	0
ANDERSONS INC/THE	COM	034164103	627	23,017	SH	SOLE	1	23,017	0	0
ANGIODYNAMICS INC	COM	03475V101	540	27,439	SH	SOLE	1	27,439	0	0
ANI PHARMACEUTICALS INC	COM	00182C103	557	6,772	SH	SOLE	1	6,772	0	0
ANIKA THERAPEUTICS INC	COM	035255108	422	10,397	SH	SOLE	1	10,397	0	0
ANIXTER INTERNATIONAL INC	COM	035290105	1,354	22,683	SH	SOLE	1	22,683	0	0
ANNALY CAPITAL MANAGEMENT IN	COM	035710409	215	23,588	SH	SOLE	1	23,588	0	0
ANSYS INC	COM	03662Q105	5,892	28,769	SH	SOLE	1	28,769	0	0
ANTARES PHARMA INC	COM	036642106	338	102,840	SH	SOLE	1	102,840	0	0
ANTERO MIDSTREAM CORP	COM	03676B102	42	3,653	SH	SOLE	1	3,653	0	0
ANTERO RESOURCES CORP	COM	03674X106	24	4,277	SH	SOLE	1	4,277	0	0
ANTHEM INC	COM	036752103	23,885	84,634	SH	SOLE	1	84,634	0	0
ANWORTH MORTGAGE ASSET CORP	COM	037347101	235	62,102	SH	SOLE	1	62,102	0	0
APACHE CORP	COM	037411105	4,596	158,664	SH	SOLE	1	158,664	0	0
APARTMENT INVT & MGMT CO A	COM	03748R754	2,495	49,785	SH	SOLE	1	49,785	0	0
APELLIS PHARMACEUTICALS INC	COM	03753U106	779	30,734	SH	SOLE	1	30,734	0	0
APERGY CORP	COM	03755L104	5,071	151,204	SH	SOLE	1	151,204	0	0
APOGEE ENTERPRISES INC	COM	037598109	854	19,667	SH	SOLE	1	19,667	0	0
APOLLO COMMERCIAL REAL ESTAT	COM	03762U105	2,067	112,377	SH	SOLE	1	112,377	0	0
APOLLO MEDICAL HOLDINGS INC	COM	03763A207	67	4,013	SH	SOLE	1	4,013	0	0
APPFOLIO INC A	COM	03783C100	996	9,741	SH	SOLE	1	9,741	0	0

APPIAN CORP	COM	03782L101	715	19,830	SH	SOLE	1	19,830	0	0
APPLE HOSPITALITY REIT INC	COM	03784Y200	54	3,401	SH	SOLE	1	3,401	0	0
APPLE INC	COM	037833100	362,623	1,832,171	SH	SOLE	1	1,832,171	0	0
APPLIED INDUSTRIAL TECH INC	COM	03820C105	1,771	28,784	SH	SOLE	1	28,784	0	0
APPLIED MATERIALS INC	COM	038222105	17,882	398,172	SH	SOLE	1	398,172	0	0
APPLIED OPTOELECTRONICS INC	COM	03823U102	146	14,243	SH	SOLE	1	14,243	0	0
APTARGROUP INC	COM	038336103	15,377	123,671	SH	SOLE	1	123,671	0	0
APYX MEDICAL CORP	COM	03837C106	143	21,174	SH	SOLE	1	21,174	0	0
AQUA AMERICA INC	COM	03836W103	17,438	421,508	SH	SOLE	1	421,508	0	0
AQUANTIA CORP	COM	03842Q108	233	17,886	SH	SOLE	1	17,886	0	0
ARAMARK	COM	03852U106	143	3,966	SH	SOLE	1	3,966	0	0
ARATANA THERAPEUTICS INC	COM	03874P101	159	30,759	SH	SOLE	1	30,759	0	0
ARCBEST CORP	COM	03937C105	537	19,102	SH	SOLE	1	19,102	0	0
ARCH COAL INC A	COM	039380407	1,009	10,715	SH	SOLE	1	10,715	0	0
ARCHER DANIELS MIDLAND CO	COM	039483102	7,889	193,361	SH	SOLE	1	193,361	0	0
ARCHROCK INC	COM	03957W106	1,026	96,783	SH	SOLE	1	96,783	0	0
ARCONIC INC	COM	03965L100	3,559	137,850	SH	SOLE	1	137,850	0	0
ARCOSA INC	COM	039653100	1,373	36,467	SH	SOLE	1	36,467	0	0
ARCUS BIOSCIENCES INC	COM	03969F109	159	20,050	SH	SOLE	1	20,050	0	0
ARDELYX INC	COM	039697107	81	29,988	SH	SOLE	1	29,988	0	0
ARENA PHARMACEUTICALS INC	COM	040047607	1,863	31,769	SH	SOLE	1	31,769	0	0
ARES COMMERCIAL REAL ESTATE	COM	04013V108	255	17,162	SH	SOLE	1	17,162	0	0
ARES MANAGEMENT CORP A	COM	03990B101	1,072	40,944	SH	SOLE	1	40,944	0	0
ARGAN INC	COM	04010E109	380	9,360	SH	SOLE	1	9,360	0	0
ARISTA NETWORKS INC	COM	040413106	4,747	18,284	SH	SOLE	1	18,284	0	0
ARLINGTON ASSET INVESTMENT A	COM	041356205	158	22,945	SH	SOLE	1	22,945	0	0
ARLO TECHNOLOGIES INC W/I	COM	04206A101	223	55,496	SH	SOLE	1	55,496	0	0
ARMADA HOFFLER PROPERTIES IN	COM	04208T108	647	39,086	SH	SOLE	1	39,086	0	0
ARMOUR RESIDENTIAL REIT INC	COM	042315507	817	43,822	SH	SOLE	1	43,822	0	0
ARMSTRONG FLOORING INC	COM	04238R106	134	13,583	SH	SOLE	1	13,583	0	0
ARMSTRONG WORLD INDUSTRIES	COM	04247X102	116	1,196	SH	SOLE	1	1,196	0	0
ARQULE INC	COM	04269E107	714	64,840	SH	SOLE	1	64,840	0	0
ARRAY BIOPHARMA INC	COM	04269X105	6,565	141,711	SH	SOLE	1	141,711	0	0
ARROW ELECTRONICS INC	COM	042735100	12,903	181,047	SH	SOLE	1	181,047	0	0
ARROW FINANCIAL CORP	COM	042744102	274	7,876	SH	SOLE	1	7,876	0	0
ARROWHEAD PHARMACEUTICALS IN	COM	04280A100	1,860	70,173	SH	SOLE	1	70,173	0	0
ARTESIAN RESOURCES CORP CL A	COM	043113208	189	5,086	SH	SOLE	1	5,086	0	0

ARTHUR J GALLAGHER & CO	COM	363576109	5,513	62,941	SH	SOLE	1	62,941	0	0
ARTISAN PARTNERS ASSET MA A	COM	04316A108	876	31,823	SH	SOLE	1	31,823	0	0
ARVINAS INC	COM	04335A105	246	11,186	SH	SOLE	1	11,186	0	0
ASBURY AUTOMOTIVE GROUP	COM	043436104	1,223	14,499	SH	SOLE	1	14,499	0	0
ASCENA RETAIL GROUP INC	COM	04351G101	73	119,384	SH	SOLE	1	119,384	0	0
ASGN INC	COM	00191U102	8,169	134,803	SH	SOLE	1	134,803	0	0
ASHFORD HOSPITALITY TRUST	COM	044103109	170	57,247	SH	SOLE	1	57,247	0	0
ASHLAND GLOBAL HOLDINGS INC	COM	044186104	9,800	122,549	SH	SOLE	1	122,549	0	0
ASPEN TECHNOLOGY INC	COM	045327103	209	1,685	SH	SOLE	1	1,685	0	0
ASSEMBLY BIOSCIENCES INC	COM	045396108	194	14,383	SH	SOLE	1	14,383	0	0
ASSERTIO THERAPEUTICS INC	COM	04545L107	167	48,340	SH	SOLE	1	48,340	0	0
ASSOCIATED BANC CORP	COM	045487105	6,769	320,198	SH	SOLE	1	320,198	0	0
ASSOCIATED CAPITAL GROUP A	COM	045528106	46	1,236	SH	SOLE	1	1,236	0	0
ASSURANT INC	COM	04621X108	4,964	46,664	SH	SOLE	1	46,664	0	0
ASTEC INDUSTRIES INC	COM	046224101	546	16,770	SH	SOLE	1	16,770	0	0
ASTRONICS CORP	COM	046433108	620	15,416	SH	SOLE	1	15,416	0	0
ASTRONOVA INC	COM	04638F108	112	4,348	SH	SOLE	1	4,348	0	0
AT HOME GROUP INC	COM	04650Y100	202	30,311	SH	SOLE	1	30,311	0	0
AT&T INC	COM	00206R102	83,735	2,498,811	SH	SOLE	1	2,498,811	0	0
ATARA BIOTHERAPEUTICS INC	COM	046513107	567	28,209	SH	SOLE	1	28,209	0	0
ATHENEX INC	COM	04685N103	746	37,672	SH	SOLE	1	37,672	0	0
ATHERSYS INC	COM	04744L106	137	81,409	SH	SOLE	1	81,409	0	0
ATKORE INTERNATIONAL GROUP I	COM	047649108	761	29,410	SH	SOLE	1	29,410	0	0
ATLANTIC CAPITAL BANCSHARES	COM	048269203	257	14,993	SH	SOLE	1	14,993	0	0
ATLANTIC POWER CORP	COM	04878Q863	164	67,971	SH	SOLE	1	67,971	0	0
ATLANTIC UNION BANKSHARES CO	COM	04911A107	1,826	51,688	SH	SOLE	1	51,688	0	0
ATLAS AIR WORLDWIDE HOLDINGS	COM	049164205	791	17,727	SH	SOLE	1	17,727	0	0
ATMOS ENERGY CORP	COM	049560105	4,184	39,637	SH	SOLE	1	39,637	0	0
ATN INTERNATIONAL INC	COM	00215F107	478	8,276	SH	SOLE	1	8,276	0	0
ATRICURE INC	COM	04963C209	704	23,595	SH	SOLE	1	23,595	0	0
ATRION CORPORATION	COM	049904105	776	910	SH	SOLE	1	910	0	0
AUDENTES THERAPEUTICS INC	COM	05070R104	1,056	27,887	SH	SOLE	1	27,887	0	0
AUTODESK INC	COM	052769106	14,985	91,986	SH	SOLE	1	91,986	0	0
AUTOHOME INC ADR	ADR	05278C107	68	796	SH	SOLE	1	796	0	0
AUTOMATIC DATA PROCESSING	COM	053015103	31,622	191,268	SH	SOLE	1	191,268	0	0
AUTONATION INC	COM	05329W102	4,676	111,496	SH	SOLE	1	111,496	0	0
AUTOZONE INC	COM	053332102	9,253	8,416	SH	SOLE	1	8,416	0	0

AVALARA INC	COM	05338G106	75	1,042	SH	SOLE	1	1,042	0	0
AVALON GLOBOCARE CORP	COM	05344R104	36	13,781	SH	SOLE	1	13,781	0	0
AVALONBAY COMMUNITIES INC	COM	053484101	11,241	55,325	SH	SOLE	1	55,325	0	0
AVANGRID INC	COM	05351W103	46	910	SH	SOLE	1	910	0	0
AVANOS MEDICAL INC	COM	05350V106	5,326	122,124	SH	SOLE	1	122,124	0	0
AVAYA HOLDINGS CORP	COM	05351X101	840	70,530	SH	SOLE	1	70,530	0	0
AVEDRO INC	COM	05355N109	63	3,207	SH	SOLE	1	3,207	0	0
AVERY DENNISON CORP	COM	053611109	3,400	29,389	SH	SOLE	1	29,389	0	0
AVID BIOSERVICES INC	COM	05368M106	200	35,639	SH	SOLE	1	35,639	0	0
AVID TECHNOLOGY INC	COM	05367P100	162	17,792	SH	SOLE	1	17,792	0	0
AVIS BUDGET GROUP INC	COM	053774105	5,667	161,170	SH	SOLE	1	161,170	0	0
AVISTA CORP	COM	05379B107	2,195	49,224	SH	SOLE	1	49,224	0	0
AVNET INC	COM	053807103	9,401	207,663	SH	SOLE	1	207,663	0	0
AVON PRODUCTS INC	COM	054303102	196	50,477	SH	SOLE	1	50,477	0	0
AVROBIO INC	COM	05455M100	162	9,972	SH	SOLE	1	9,972	0	0
AVX CORP	COM	002444107	497	29,933	SH	SOLE	1	29,933	0	0
AXA EQUITABLE HOLDINGS INC	COM	054561105	100	4,767	SH	SOLE	1	4,767	0	0
AXCELIS TECHNOLOGIES INC	COM	054540208	371	24,649	SH	SOLE	1	24,649	0	0
AXCELLA HEALTH INC	COM	05454B105	10	1,040	SH	SOLE	1	1,040	0	0
AXOGEN INC	COM	05463X106	427	21,567	SH	SOLE	1	21,567	0	0
AXON ENTERPRISE INC	COM	05464C101	9,739	151,660	SH	SOLE	1	151,660	0	0
AXONICS MODULATION TECHNOLOG	COM	05465P101	402	9,822	SH	SOLE	1	9,822	0	0
AXOS FINANCIAL INC	COM	05465C100	1,169	42,908	SH	SOLE	1	42,908	0	0
AXSOME THERAPEUTICS INC	COM	05464T104	399	15,484	SH	SOLE	1	15,484	0	0
AXT INC	COM	00246W103	97	24,489	SH	SOLE	1	24,489	0	0
AZZ INC	COM	002474104	897	19,496	SH	SOLE	1	19,496	0	0
B. RILEY FINANCIAL INC	COM	05580M108	268	12,834	SH	SOLE	1	12,834	0	0
B&G FOODS INC	COM	05508R106	1,011	48,602	SH	SOLE	1	48,602	0	0
BADGER METER INC	COM	056525108	1,284	21,505	SH	SOLE	1	21,505	0	0
BAIDU INC SPON ADR	ADR	056752108	2,445	20,834	SH	SOLE	1	20,834	0	0
BAKER HUGHES A GE CO	COM	05722G100	6,303	255,925	SH	SOLE	1	255,925	0	0
BALCHEM CORP	COM	057665200	2,415	24,159	SH	SOLE	1	24,159	0	0
BALL CORP	COM	058498106	9,316	133,101	SH	SOLE	1	133,101	0	0
BANC OF CALIFORNIA INC	COM	05990K106	471	33,686	SH	SOLE	1	33,686	0	0
BANCFIRST CORP	COM	05945F103	659	11,841	SH	SOLE	1	11,841	0	0
BANCO MACRO SA ADR	ADR	05961W105	41	562	SH	SOLE	1	562	0	0
BANCORP INC/THE	COM	05969A105	1,002	112,372	SH	SOLE	1	112,372	0	0
BANCORPSOUTH BANK	COM	05971J102	6,942	239,066	SH	SOLE	1	239,066	0	0
BANDWIDTH INC CLASS A	COM	05988J103	767	10,222	SH	SOLE	1	10,222	0	0
BANK FIRST CORP	COM	06211J100	253	3,674	SH	SOLE	1	3,674	0	0
BANK OF AMERICA CORP	COM	060505104	85,280	2,940,689	SH	SOLE	1	2,940,689	0	0

BANK OF COMMERCE HOLDINGS	COM	06424J103	118	11,020	SH	SOLE	1	11,020	0	0
BANK OF HAWAII CORP	COM	062540109	6,639	80,072	SH	SOLE	1	80,072	0	0
BANK OF MARIN BANCORP/CA	COM	063425102	349	8,511	SH	SOLE	1	8,511	0	0
BANK OF NEW YORK MELLON CORP	COM	064058100	16,266	368,422	SH	SOLE	1	368,422	0	0
BANK OZK	COM	06417N103	7,107	236,191	SH	SOLE	1	236,191	0	0
BANK7 CORP	COM	06652N107	44	2,394	SH	SOLE	1	2,394	0	0
BANKFINANCIAL CORP	COM	06643P104	124	8,864	SH	SOLE	1	8,864	0	0
BANKUNITED INC	COM	06652K103	53	1,572	SH	SOLE	1	1,572	0	0
BANKWELL FINANCIAL GROUP INC	COM	06654A103	121	4,228	SH	SOLE	1	4,228	0	0
BANNER CORPORATION	COM	06652V208	1,382	25,522	SH	SOLE	1	25,522	0	0
BAOZUN INC SPN ADR	ADR	06684L103	20	400	SH	SOLE	1	400	0	0
BAR HARBOR BANKSHARES	COM	066849100	258	9,699	SH	SOLE	1	9,699	0	0
BARNES & NOBLE EDUCATION INC	COM	06777U101	97	28,971	SH	SOLE	1	28,971	0	0
BARNES & NOBLE INC	COM	067774109	294	43,893	SH	SOLE	1	43,893	0	0
BARNES GROUP INC	COM	067806109	2,017	35,809	SH	SOLE	1	35,809	0	0
BARRETT BUSINESS SVCS INC	COM	068463108	377	4,559	SH	SOLE	1	4,559	0	0
BASSETT FURNITURE INDS	COM	070203104	96	6,313	SH	SOLE	1	6,313	0	0
BAXTER INTERNATIONAL INC	COM	071813109	15,216	185,789	SH	SOLE	1	185,789	0	0
BAYCOM CORP	COM	07272M107	144	6,593	SH	SOLE	1	6,593	0	0
BB&T CORP	COM	054937107	16,069	327,067	SH	SOLE	1	327,067	0	0
BBVA ARGENTINA SA ADR	ADR	07329M100	5	475	SH	SOLE	1	475	0	0
BBX CAPITAL CORP	COM	05491N104	204	41,646	SH	SOLE	1	41,646	0	0
BCB BANCORP INC	COM	055298103	123	8,869	SH	SOLE	1	8,869	0	0
BCE INC	COM	05534B950	1,466	32,232	SH	SOLE	1	32,232	0	0
BEACON ROOFING SUPPLY INC	COM	073685109	1,586	43,192	SH	SOLE	1	43,192	0	0
BEAZER HOMES USA INC	COM	07556Q881	182	18,922	SH	SOLE	1	18,922	0	0
BECTON DICKINSON AND CO	COM	075887109	21,913	86,952	SH	SOLE	1	86,952	0	0
BED BATH & BEYOND INC	COM	075896100	3,905	336,086	SH	SOLE	1	336,086	0	0
BEIGENE LTD ADR	ADR	07725L102	437	3,526	SH	SOLE	1	3,526	0	0
BEL FUSE INC CL B	COM	077347300	127	7,423	SH	SOLE	1	7,423	0	0
BELDEN INC	COM	077454106	6,032	101,264	SH	SOLE	1	101,264	0	0
BENCHMARK ELECTRONICS INC	COM	08160H101	726	28,918	SH	SOLE	1	28,918	0	0
BENEFITFOCUS INC	COM	08180D106	512	18,842	SH	SOLE	1	18,842	0	0
BERKSHIRE HATHAWAY INC CL B	COM	084670702	133,822	627,771	SH	SOLE	1	627,771	0	0
BERKSHIRE HILLS BANCORP INC	COM	084680107	1,086	34,596	SH	SOLE	1	34,596	0	0
BERRY GLOBAL GROUP INC	COM	08579W103	134	2,553	SH	SOLE	1	2,553	0	0
BERRY PETROLEUM CORP	COM	08579X101	427	40,289	SH	SOLE	1	40,289	0	0

BEST BUY CO INC	COM	086516101	7,594	108,904	SH	SOLE	1	108,904	0	0
BEYOND MEAT INC	COM	08862E109	25	156	SH	SOLE	1	156	0	0
BG STAFFING INC	COM	05544A109	119	6,312	SH	SOLE	1	6,312	0	0
BGC PARTNERS INC CL A	COM	05541T101	24	4,639	SH	SOLE	1	4,639	0	0
BIG LOTS INC	COM	089302103	855	29,869	SH	SOLE	1	29,869	0	0
BIGLARI HOLDINGS INC B	COM	08986R309	62	601	SH	SOLE	1	601	0	0
BIO RAD LABORATORIES A	COM	090572207	14,709	47,055	SH	SOLE	1	47,055	0	0
BIO TECHNE CORP	COM	09073M104	15,490	74,297	SH	SOLE	1	74,297	0	0
BIOCRYST PHARMACEUTICALS INC	COM	09058V103	265	70,018	SH	SOLE	1	70,018	0	0
BIODELIVERY SCIENCES INTL	COM	09060J106	242	51,856	SH	SOLE	1	51,856	0	0
BIOGEN INC	COM	09062X103	20,144	86,132	SH	SOLE	1	86,132	0	0
BIOLIFE SOLUTIONS INC	COM	09062W204	72	4,244	SH	SOLE	1	4,244	0	0
BIOMARIN PHARMACEUTICAL INC	COM	09061G101	1,308	15,269	SH	SOLE	1	15,269	0	0
BIOSCRIP INC	COM	09069N108	204	78,327	SH	SOLE	1	78,327	0	0
BIOSIG TECHNOLOGIES INC	COM	09073N201	94	9,961	SH	SOLE	1	9,961	0	0
BIOSPECIFICS TECHNOLOGIES	COM	090931106	233	3,900	SH	SOLE	1	3,900	0	0
BIOTELEMETRY INC	COM	090672106	1,201	24,952	SH	SOLE	1	24,952	0	0
BIOTIME INC	COM	09066L105	76	68,766	SH	SOLE	1	68,766	0	0
BIOXCEL THERAPEUTICS INC	COM	09075P105	42	3,833	SH	SOLE	1	3,833	0	0
BJ S RESTAURANTS INC	COM	09180C106	682	15,520	SH	SOLE	1	15,520	0	0
BJ S WHOLESALE CLUB HOLDINGS	COM	05550J101	1,903	72,098	SH	SOLE	1	72,098	0	0
BLACK HILLS CORP	COM	092113109	11,231	143,668	SH	SOLE	1	143,668	0	0
BLACK KNIGHT INC	COM	09215C105	211	3,512	SH	SOLE	1	3,512	0	0
BLACKBAUD INC	COM	09227Q100	10,552	126,375	SH	SOLE	1	126,375	0	0
BLACKLINE INC	COM	09239B109	1,455	27,200	SH	SOLE	1	27,200	0	0
BLACKROCK INC	COM	09247X101	23,608	50,304	SH	SOLE	1	50,304	0	0
BLACKSTONE MORTGAGE TRU CL A	COM	09257W100	2,856	80,271	SH	SOLE	1	80,271	0	0
BLOOM ENERGY CORP A	COM	093712107	430	35,051	SH	SOLE	1	35,051	0	0
BLOOMIN BRANDS INC	COM	094235108	1,303	68,894	SH	SOLE	1	68,894	0	0
BLUCORA INC	COM	095229100	1,096	36,093	SH	SOLE	1	36,093	0	0
BLUE BIRD CORP	COM	095306106	190	9,627	SH	SOLE	1	9,627	0	0
BLUEBIRD BIO INC	COM	09609G100	113	892	SH	SOLE	1	892	0	0
BLUEGREEN VACATIONS CORP	COM	09629F108	53	4,553	SH	SOLE	1	4,553	0	0
BLUELINX HOLDINGS INC	COM	09624H208	113	5,686	SH	SOLE	1	5,686	0	0
BLUEPRINT MEDICINES CORP	COM	09627Y109	2,929	31,051	SH	SOLE	1	31,051	0	0
BLUEROCK RESIDENTIAL GROWTH	COM	09627J102	159	13,502	SH	SOLE	1	13,502	0	0
BMC STOCK HOLDINGS INC	COM	05591B109	898	42,357	SH	SOLE	1	42,357	0	0
BOEING CO/THE	COM	097023105	71,501	196,425	SH	SOLE	1	196,425	0	0
BOINGO WIRELESS INC	COM	09739C102	497	27,634	SH	SOLE	1	27,634	0	0

BOISE CASCADE CO	COM	09739D100	819	29,136	SH	SOLE	1	29,136	0	0
BOK FINANCIAL CORPORATION	COM	05561Q201	40	524	SH	SOLE	1	524	0	0
BONANZA CREEK ENERGY INC	COM	097793400	296	14,169	SH	SOLE	1	14,169	0	0
BOOKING HOLDINGS INC	COM	09857L108	37,059	19,768	SH	SOLE	1	19,768	0	0
BOOT BARN HOLDINGS INC	COM	099406100	749	21,023	SH	SOLE	1	21,023	0	0
BOOZ ALLEN HAMILTON HOLDINGS	COM	099502106	221	3,333	SH	SOLE	1	3,333	0	0
BORGWARNER INC	COM	099724106	3,004	71,546	SH	SOLE	1	71,546	0	0
BOSTON BEER COMPANY INC A	COM	100557107	8,410	22,263	SH	SOLE	1	22,263	0	0
BOSTON OMAHA CORP CL A	COM	101044105	148	6,379	SH	SOLE	1	6,379	0	0
BOSTON PRIVATE FINL HOLDING	COM	101119105	752	62,284	SH	SOLE	1	62,284	0	0
BOSTON PROPERTIES INC	COM	101121101	6,770	52,484	SH	SOLE	1	52,484	0	0
BOSTON SCIENTIFIC CORP	COM	101137107	19,033	442,831	SH	SOLE	1	442,831	0	0
BOTTOMLINE TECHNOLOGIES (DE)	COM	101388106	1,396	31,556	SH	SOLE	1	31,556	0	0
BOX INC CLASS A	COM	10316T104	1,605	91,125	SH	SOLE	1	91,125	0	0
BOYD GAMING CORP	COM	103304101	5,552	206,071	SH	SOLE	1	206,071	0	0
BRADY CORPORATION CL A	COM	104674106	1,776	36,001	SH	SOLE	1	36,001	0	0
BRAEMAR HOTELS & RESORTS INC	COM	10482B101	189	19,098	SH	SOLE	1	19,098	0	0
BRANDYWINE REALTY TRUST	COM	105368203	40	2,822	SH	SOLE	1	2,822	0	0
BRIDGE BANCORP INC	COM	108035106	305	10,368	SH	SOLE	1	10,368	0	0
BRIDGEBIO PHARMA ORD	COM	10806X102	181,569	6,732,244	SH	SOLE	2	6,732,244	0	0
BRIDGEWATER BANCSHARES INC	COM	108621103	171	14,832	SH	SOLE	1	14,832	0	0
BRIDGFORD FOODS CORP	COM	108763103	33	1,101	SH	SOLE	1	1,101	0	0
BRIGGS & STRATTON	COM	109043109	314	30,708	SH	SOLE	1	30,708	0	0
BRIGHAM MINERALS INC CL A	COM	10918L103	220	10,231	SH	SOLE	1	10,231	0	0
BRIGHT HORIZONS FAMILY SOLUT	COM	109194100	212	1,405	SH	SOLE	1	1,405	0	0
BRIGHTCOVE	COM	10921T101	249	24,104	SH	SOLE	1	24,104	0	0
BRIGHTHOUSE FINANCIAL INC	COM	10922N103	8,302	226,268	SH	SOLE	1	226,268	0	0
BRIGHTVIEW HOLDINGS INC	COM	10948C107	371	19,841	SH	SOLE	1	19,841	0	0
BRINK S CO/THE	COM	109696104	10,421	128,371	SH	SOLE	1	128,371	0	0
BRINKER INTERNATIONAL INC	COM	109641100	3,794	96,424	SH	SOLE	1	96,424	0	0
BRISTOL MYERS SQUIBB CO	COM	110122108	25,525	562,852	SH	SOLE	1	562,852	0	0
BRIXMOR PROPERTY GROUP INC	COM	11120U105	10,409	582,179	SH	SOLE	1	582,179	0	0
BROADCOM INC	COM	11135F101	47,050	163,449	SH	SOLE	1	163,449	0	0
BROADRIDGE FINANCIAL SOLUTIO	COM	11133T103	5,083	39,808	SH	SOLE	1	39,808	0	0
BROOKDALE SENIOR LIVING INC	COM	112463104	846	117,376	SH	SOLE	1	117,376	0	0

BROOKFIELD PROPERTY REIT I A	COM	11282X103	43	2,302	SH	SOLE	1	2,302	0	0
BROOKLINE BANCORP INC	COM	11373M107	907	58,954	SH	SOLE	1	58,954	0	0
BROOKS AUTOMATION INC	COM	114340102	2,067	53,350	SH	SOLE	1	53,350	0	0
BROWN & BROWN INC	COM	115236101	15,327	457,508	SH	SOLE	1	457,508	0	0
BROWN FORMAN CORP CLASS A	COM	115637100	66	1,209	SH	SOLE	1	1,209	0	0
BROWN FORMAN CORP CLASS B	COM	115637209	3,164	57,080	SH	SOLE	1	57,080	0	0
BRT APARTMENTS CORP	COM	055645303	88	6,195	SH	SOLE	1	6,195	0	0
BRUKER CORP	COM	116794108	126	2,531	SH	SOLE	1	2,531	0	0
BRUNSWICK CORP	COM	117043109	7,807	170,118	SH	SOLE	1	170,118	0	0
BRYN MAWR BANK CORP	COM	117665109	472	12,651	SH	SOLE	1	12,651	0	0
BUCKLE INC/THE	COM	118440106	374	21,624	SH	SOLE	1	21,624	0	0
BUILDERS FIRSTSOURCE INC	COM	12008R107	1,222	72,487	SH	SOLE	1	72,487	0	0
BURLINGTON STORES INC	COM	122017106	272	1,598	SH	SOLE	1	1,598	0	0
BUSINESS FIRST BANCSHARES	COM	12326C105	202	7,936	SH	SOLE	1	7,936	0	0
BWX TECHNOLOGIES INC	COM	05605H100	111	2,122	SH	SOLE	1	2,122	0	0
BYLINE BANCORP INC	COM	124411109	283	14,815	SH	SOLE	1	14,815	0	0
C & F FINANCIAL CORP	COM	12466Q104	114	2,089	SH	SOLE	1	2,089	0	0
C.H. ROBINSON WORLDWIDE INC	COM	12541W209	15,200	180,201	SH	SOLE	1	180,201	0	0
C&J ENERGY SERVICES INC	COM	12674R100	575	48,838	SH	SOLE	1	48,838	0	0
CABLE ONE INC	COM	12685J105	11,377	9,716	SH	SOLE	1	9,716	0	0
CABOT CORP	COM	127055101	5,449	114,220	SH	SOLE	1	114,220	0	0
CABOT MICROELECTRONICS CORP	COM	12709P103	2,394	21,752	SH	SOLE	1	21,752	0	0
CABOT OIL & GAS CORP	COM	127097103	3,861	168,166	SH	SOLE	1	168,166	0	0
CACI INTERNATIONAL INC CL A	COM	127190304	9,941	48,588	SH	SOLE	1	48,588	0	0
CACTUS INC A	COM	127203107	992	29,942	SH	SOLE	1	29,942	0	0
CADENCE BANCORP	COM	12739A100	1,661	79,859	SH	SOLE	1	79,859	0	0
CADENCE DESIGN SYS INC	COM	127387108	8,116	114,621	SH	SOLE	1	114,621	0	0
CADIZ INC	COM	127537207	92	8,141	SH	SOLE	1	8,141	0	0
CAESARS ENTERTAINMENT CORP	COM	127686103	13,513	1,143,216	SH	SOLE	1	1,143,216	0	0
CAI INTERNATIONAL INC	COM	12477X106	267	10,752	SH	SOLE	1	10,752	0	0
CAL MAINE FOODS INC	COM	128030202	980	23,483	SH	SOLE	1	23,483	0	0
CALAMP CORP	COM	128126109	287	24,610	SH	SOLE	1	24,610	0	0
CALAVO GROWERS INC	COM	128246105	1,170	12,091	SH	SOLE	1	12,091	0	0
CALERES INC	COM	129500104	614	30,815	SH	SOLE	1	30,815	0	0
CALIFORNIA RESOURCES CORP	COM	13057Q206	605	30,739	SH	SOLE	1	30,739	0	0
CALIFORNIA WATER SERVICE GRP	COM	130788102	1,825	36,053	SH	SOLE	1	36,053	0	0

CALITHERA BIOSCIENCES INC	COM	13089P101	85	21,893	SH	SOLE	1	21,893	0	0
CALIX INC	COM	13100M509	191	29,097	SH	SOLE	1	29,097	0	0
CALLAWAY GOLF COMPANY	COM	131193104	1,193	69,509	SH	SOLE	1	69,509	0	0
CALLON PETROLEUM CO	COM	13123X102	3,869	587,104	SH	SOLE	1	587,104	0	0
CALYXT INC	COM	13173L107	74	5,929	SH	SOLE	1	5,929	0	0
CAMBREX CORP	COM	132011107	1,183	25,263	SH	SOLE	1	25,263	0	0
CAMBRIDGE BANCORP	COM	132152109	222	2,728	SH	SOLE	1	2,728	0	0
CAMDEN NATIONAL CORP	COM	133034108	447	9,754	SH	SOLE	1	9,754	0	0
CAMDEN PROPERTY TRUST	COM	133131102	19,713	188,837	SH	SOLE	1	188,837	0	0
CAMPBELL SOUP CO	COM	134429109	3,897	97,247	SH	SOLE	1	97,247	0	0
CAMPING WORLD HOLDINGS INC A	COM	13462K109	260	20,937	SH	SOLE	1	20,937	0	0
CANNAE HOLDINGS INC	COM	13765N107	1,246	42,983	SH	SOLE	1	42,983	0	0
CANTEL MEDICAL CORP	COM	138098108	5,740	71,179	SH	SOLE	1	71,179	0	0
CAPITAL BANCORP INC/MD	COM	139737100	62	5,057	SH	SOLE	1	5,057	0	0
CAPITAL CITY BANK GROUP INC	COM	139674105	212	8,542	SH	SOLE	1	8,542	0	0
CAPITAL ONE FINANCIAL CORP	COM	14040H105	14,022	154,526	SH	SOLE	1	154,526	0	0
CAPITOL FEDERAL FINANCIAL IN	COM	14057J101	1,157	83,989	SH	SOLE	1	83,989	0	0
CAPSTAR FINANCIAL HOLDINGS I	COM	14070T102	141	9,284	SH	SOLE	1	9,284	0	0
CAPSTEAD MORTGAGE CORP	COM	14067E506	531	63,537	SH	SOLE	1	63,537	0	0
CARA THERAPEUTICS INC	COM	140755109	466	21,682	SH	SOLE	1	21,682	0	0
CARBON BLACK INC	COM	14081R103	593	35,478	SH	SOLE	1	35,478	0	0
CARBONITE INC	COM	141337105	548	21,055	SH	SOLE	1	21,055	0	0
CARDINAL HEALTH INC	COM	14149Y108	330,643	7,020,022	SH	SOLE	1	7,020,022	0	0
CARDIOVASCULAR SYSTEMS INC	COM	141619106	1,103	25,682	SH	SOLE	1	25,682	0	0
CARDLYTICS INC	COM	14161W105	225	8,646	SH	SOLE	1	8,646	0	0
CARE.COM INC	COM	141633107	184	16,753	SH	SOLE	1	16,753	0	0
CAREDX INC	COM	14167L103	941	26,148	SH	SOLE	1	26,148	0	0
CAREER EDUCATION CORP	COM	141665109	988	51,829	SH	SOLE	1	51,829	0	0
CARETRUST REIT INC	COM	14174T107	1,703	71,609	SH	SOLE	1	71,609	0	0
CARGURUS INC	COM	141788109	1,704	47,202	SH	SOLE	1	47,202	0	0
CARLISLE COS INC	COM	142339100	15,708	111,871	SH	SOLE	1	111,871	0	0
CARMAX INC	COM	143130102	5,296	60,994	SH	SOLE	1	60,994	0	0
CARNIVAL CORP	COM	143658300	6,133	131,758	SH	SOLE	1	131,758	0	0
CAROLINA FINANCIAL CORP	COM	143873107	467	13,308	SH	SOLE	1	13,308	0	0
CARPENTER TECHNOLOGY	COM	144285103	5,842	121,768	SH	SOLE	1	121,768	0	0
CARRIAGE SERVICES INC	COM	143905107	203	10,674	SH	SOLE	1	10,674	0	0
CARRIZO OIL & GAS INC	COM	144577103	665	66,318	SH	SOLE	1	66,318	0	0

CARROLS RESTAURANT GROUP INC	COM	14574X104	200	22,200	SH	SOLE	1	22,200	0	0
CARS.COM INC	COM	14575E105	3,183	161,425	SH	SOLE	1	161,425	0	0
CARTER BANK & TRUST	COM	146102108	285	14,401	SH	SOLE	1	14,401	0	0
CARTER S INC	COM	146229109	8,630	88,481	SH	SOLE	1	88,481	0	0
CARVANA CO	COM	146869102	61	968	SH	SOLE	1	968	0	0
CASA SYSTEMS INC	COM	14713L102	129	20,130	SH	SOLE	1	20,130	0	0
CASELLA WASTE SYSTEMS INC A	COM	147448104	1,123	28,341	SH	SOLE	1	28,341	0	0
CASEY S GENERAL STORES INC	COM	147528103	11,176	71,643	SH	SOLE	1	71,643	0	0
CASI PHARMACEUTICALS INC	COM	14757U109	103	32,064	SH	SOLE	1	32,064	0	0
CASS INFORMATION SYSTEMS INC	COM	14808P109	434	8,955	SH	SOLE	1	8,955	0	0
CASTLIGHT HEALTH INC B	COM	14862Q100	207	64,011	SH	SOLE	1	64,011	0	0
CATALENT INC	COM	148806102	15,433	284,683	SH	SOLE	1	284,683	0	0
CATALYST PHARMACEUTICALS INC	COM	14888U101	236	61,337	SH	SOLE	1	61,337	0	0
CATASYS INC	COM	149049504	86	4,490	SH	SOLE	1	4,490	0	0
CATCHMARK TIMBER TRUST INC A	COM	14912Y202	326	31,178	SH	SOLE	1	31,178	0	0
CATERPILLAR INC	COM	149123101	30,411	223,132	SH	SOLE	1	223,132	0	0
CATHAY GENERAL BANCORP	COM	149150104	7,065	196,737	SH	SOLE	1	196,737	0	0
CATO CORP CLASS A	COM	149205106	204	16,537	SH	SOLE	1	16,537	0	0
CAVCO INDUSTRIES INC	COM	149568107	1,016	6,451	SH	SOLE	1	6,451	0	0
CBDMD INC	COM	12482W101	35	6,000	SH	SOLE	1	6,000	0	0
CBIZ INC	COM	124805102	639	32,627	SH	SOLE	1	32,627	0	0
CBL & ASSOCIATES PROPERTIES	COM	124830100	133	127,561	SH	SOLE	1	127,561	0	0
CBOE GLOBAL MARKETS INC	COM	12503M108	4,239	40,908	SH	SOLE	1	40,908	0	0
CBRE GROUP INC A	COM	12504L109	5,610	109,355	SH	SOLE	1	109,355	0	0
CBS CORP CLASS B NON VOTING	COM	124857202	6,169	123,635	SH	SOLE	1	123,635	0	0
CBTX INC	COM	12481V104	333	11,828	SH	SOLE	1	11,828	0	0
CDK GLOBAL INC	COM	12508E101	11,799	238,648	SH	SOLE	1	238,648	0	0
CDW CORP/DE	COM	12514G108	393	3,543	SH	SOLE	1	3,543	0	0
CECO ENVIRONMENTAL CORP	COM	125141101	187	19,537	SH	SOLE	1	19,537	0	0
CEDAR REALTY TRUST INC	COM	150602209	170	64,319	SH	SOLE	1	64,319	0	0
CEL SCI CORP	COM	150837607	141	16,758	SH	SOLE	1	16,758	0	0
CELANESE CORP	COM	150870103	4,635	42,995	SH	SOLE	1	42,995	0	0
CELCUITY INC	COM	15102K100	94	3,741	SH	SOLE	1	3,741	0	0
CELGENE CORP	COM	151020104	27,852	301,302	SH	SOLE	1	301,302	0	0
CELLULAR BIOMEDICINE GROUP I	COM	15117P102	127	7,694	SH	SOLE	1	7,694	0	0
CELSIUS HOLDINGS INC	COM	15118V207	71	15,979	SH	SOLE	1	15,979	0	0
CENTENE CORP	COM	15135B101	9,836	187,562	SH	SOLE	1	187,562	0	0
CENTENNIAL RESOURCE DEVELO A	COM	15136A102	22	2,961	SH	SOLE	1	2,961	0	0

CENTERPOINT ENERGY INC	COM	15189T107	5,930	207,118	SH	SOLE	1	207,118	0	0
CENTERSTATE BANK CORP	COM	15201P109	1,844	80,049	SH	SOLE	1	80,049	0	0
CENTRAL GARDEN & PET CO	COM	153527106	211	7,835	SH	SOLE	1	7,835	0	0
CENTRAL GARDEN AND PET CO A	COM	153527205	782	31,741	SH	SOLE	1	31,741	0	0
CENTRAL PACIFIC FINANCIAL CO	COM	154760409	629	21,006	SH	SOLE	1	21,006	0	0
CENTRAL VALLEY COMM BANCORP	COM	155685100	159	7,408	SH	SOLE	1	7,408	0	0
CENTRIC BRANDS INC	COM	15644G104	43	10,495	SH	SOLE	1	10,495	0	0
CENTURY ALUMINUM COMPANY	COM	156431108	260	37,598	SH	SOLE	1	37,598	0	0
CENTURY BANCORP INC CL A	COM	156432106	157	1,784	SH	SOLE	1	1,784	0	0
CENTURY CASINOS INC	COM	156492100	168	17,330	SH	SOLE	1	17,330	0	0
CENTURY COMMUNITIES INC	COM	156504300	527	19,814	SH	SOLE	1	19,814	0	0
CENTURYLINK INC	COM	156700106	4,852	412,601	SH	SOLE	1	412,601	0	0
CERECOR INC	COM	15671L109	74	13,642	SH	SOLE	1	13,642	0	0
CERIDIAN HCM HOLDING INC	COM	15677J108	71	1,420	SH	SOLE	1	1,420	0	0
CERNER CORP	COM	156782104	10,674	145,619	SH	SOLE	1	145,619	0	0
CERUS CORP	COM	157085101	487	86,612	SH	SOLE	1	86,612	0	0
CEVA INC	COM	157210105	397	16,312	SH	SOLE	1	16,312	0	0
CF INDUSTRIES HOLDINGS INC	COM	125269100	3,654	78,223	SH	SOLE	1	78,223	0	0
CHANNELADVISOR CORP	COM	159179100	149	16,976	SH	SOLE	1	16,976	0	0
CHAPARRAL ENERGY INC CLASS A	COM	15942R208	93	19,754	SH	SOLE	1	19,754	0	0
CHARAH SOLUTIONS INC	COM	15957P105	33	6,044	SH	SOLE	1	6,044	0	0
CHARLES RIVER LABORATORIES	COM	159864107	13,572	95,642	SH	SOLE	1	95,642	0	0
CHART INDUSTRIES INC	COM	16115Q308	2,047	26,625	SH	SOLE	1	26,625	0	0
CHARTER COMMUNICATIONS INC A	COM	16119P108	27,432	69,417	SH	SOLE	1	69,417	0	0
CHASE CORP	COM	16150R104	501	4,654	SH	SOLE	1	4,654	0	0
CHATHAM LODGING TRUST	COM	16208T102	651	34,488	SH	SOLE	1	34,488	0	0
CHECKPOINT THERAPEUTICS INC	COM	162828107	45	14,658	SH	SOLE	1	14,658	0	0
CHEESECAKE FACTORY INC/THE	COM	163072101	4,695	107,383	SH	SOLE	1	107,383	0	0
CHEFS WAREHOUSE INC/THE	COM	163086101	630	17,977	SH	SOLE	1	17,977	0	0
CHEGG INC	COM	163092109	2,847	73,788	SH	SOLE	1	73,788	0	0
CHEMED CORP	COM	16359R103	11,282	31,265	SH	SOLE	1	31,265	0	0
CHEMICAL FINANCIAL CORP	COM	163731102	7,571	184,176	SH	SOLE	1	184,176	0	0
CHEMOCENTRYX INC	COM	16383L106	241	25,907	SH	SOLE	1	25,907	0	0
CHEMOURS CO/THE	COM	163851108	7,688	320,339	SH	SOLE	1	320,339	0	0
CHEMUNG FINANCIAL CORP	COM	164024101	109	2,258	SH	SOLE	1	2,258	0	0
CHENIERE ENERGY INC	COM	16411R208	334	4,878	SH	SOLE	1	4,878	0	0

CHERRY HILL MORTGAGE INVESTM	COM	164651101	160	9,973	SH	SOLE	1	9,973	0	0
CHESAPEAKE ENERGY CORP	COM	165167107	3,992	2,046,954	SH	SOLE	1	2,046,954	0	0
CHESAPEAKE LODGING TRUST	COM	165240102	1,276	44,890	SH	SOLE	1	44,890	0	0
CHESAPEAKE UTILITIES CORP	COM	165303108	965	10,161	SH	SOLE	1	10,161	0	0
CHEVRON CORP	COM	166764100	471,522	3,789,153	SH	SOLE	1	3,789,153	0	0
CHIASMA INC	COM	16706W102	124	16,559	SH	SOLE	1	16,559	0	0
CHICO S FAS INC	COM	168615102	295	87,663	SH	SOLE	1	87,663	0	0
CHILDREN S PLACE INC/THE	COM	168905107	1,104	11,575	SH	SOLE	1	11,575	0	0
CHIMERA INVESTMENT CORP	COM	16934Q208	57	3,017	SH	SOLE	1	3,017	0	0
CHIMERIX INC	COM	16934W106	132	30,482	SH	SOLE	1	30,482	0	0
CHIPOTLE MEXICAN GRILL INC	COM	169656105	6,859	9,359	SH	SOLE	1	9,359	0	0
CHOICE HOTELS INTL INC	COM	169905106	58	663	SH	SOLE	1	663	0	0
CHROMADEX CORP	COM	171077407	113	24,308	SH	SOLE	1	24,308	0	0
CHURCH & DWIGHT CO INC	COM	171340102	6,168	84,423	SH	SOLE	1	84,423	0	0
CHURCHILL DOWNS INC	COM	171484108	10,459	90,896	SH	SOLE	1	90,896	0	0
CHUY S HOLDINGS INC	COM	171604101	289	12,609	SH	SOLE	1	12,609	0	0
CIA DE MINAS BUENAVENTUR ADR	ADR	204448104	43	2,591	SH	SOLE	1	2,591	0	0
CIENA CORP	COM	171779309	11,509	279,818	SH	SOLE	1	279,818	0	0
CIGNA CORP	COM	125523100	19,310	122,566	SH	SOLE	1	122,566	0	0
CIM COMMERCIAL TRUST CORP	COM	125525105	53	2,564	SH	SOLE	1	2,564	0	0
CIMAREX ENERGY CO	COM	171798101	2,041	34,395	SH	SOLE	1	34,395	0	0
CINCINNATI BELL INC	COM	171871502	185	37,276	SH	SOLE	1	37,276	0	0
CINCINNATI FINANCIAL CORP	COM	172062101	5,351	51,615	SH	SOLE	1	51,615	0	0
CINEMARK HOLDINGS INC	COM	17243V102	8,190	226,857	SH	SOLE	1	226,857	0	0
CINTAS CORP	COM	172908105	8,723	36,759	SH	SOLE	1	36,759	0	0
CIRCOR INTERNATIONAL INC	COM	17273K109	675	14,681	SH	SOLE	1	14,681	0	0
CIRRUS LOGIC INC	COM	172755100	6,568	150,297	SH	SOLE	1	150,297	0	0
CISCO SYSTEMS INC	COM	17275R102	541,417	9,892,511	SH	SOLE	1	9,892,511	0	0
CIT GROUP INC	COM	125581801	85	1,625	SH	SOLE	1	1,625	0	0
CITI TRENDS INC	COM	17306X102	105	7,216	SH	SOLE	1	7,216	0	0
CITIGROUP INC	COM	172967424	53,289	760,944	SH	SOLE	1	760,944	0	0
CITIZENS & NORTHERN CORP	COM	172922106	201	7,627	SH	SOLE	1	7,627	0	0
CITIZENS FINANCIAL GROUP	COM	174610105	7,625	215,633	SH	SOLE	1	215,633	0	0
CITIZENS INC	COM	174740100	230	31,457	SH	SOLE	1	31,457	0	0
CITRIX SYSTEMS INC	COM	177376100	5,257	53,569	SH	SOLE	1	53,569	0	0
CITY HOLDING CO	COM	177835105	923	12,105	SH	SOLE	1	12,105	0	0
CITY OFFICE REIT INC	COM	178587101	296	24,651	SH	SOLE	1	24,651	0	0

CIVISTA BANCSHARES INC	COM	178867107	219	9,754	SH	SOLE	1	9,754	0	0
CLARUS CORP	COM	18270P109	215	14,901	SH	SOLE	1	14,901	0	0
CLEAN ENERGY FUELS CORP	COM	184499101	228	85,425	SH	SOLE	1	85,425	0	0
CLEAN HARBORS INC	COM	184496107	7,064	99,346	SH	SOLE	1	99,346	0	0
CLEAR CHANNEL OUTDOOR HOLDIN	COM	18453H106	115	24,379	SH	SOLE	1	24,379	0	0
CLEARFIELD INC	COM	18482P103	94	7,121	SH	SOLE	1	7,121	0	0
CLEARWATER PAPER CORP	COM	18538R103	223	12,047	SH	SOLE	1	12,047	0	0
CLEARWAY ENERGY INC A	COM	18539C105	359	22,166	SH	SOLE	1	22,166	0	0
CLEARWAY ENERGY INC C	COM	18539C204	791	46,898	SH	SOLE	1	46,898	0	0
CLEVELAND CLIFFS INC	COM	185899101	1,910	179,036	SH	SOLE	1	179,036	0	0
CLIPPER REALTY INC	COM	18885T306	102	9,163	SH	SOLE	1	9,163	0	0
CLOROX COMPANY	COM	189054109	19,365	126,478	SH	SOLE	1	126,478	0	0
CLOUDERA INC	COM	18914U100	790	150,121	SH	SOLE	1	150,121	0	0
CLOVIS ONCOLOGY INC	COM	189464100	462	31,046	SH	SOLE	1	31,046	0	0
CME GROUP INC	COM	12572Q105	28,152	145,033	SH	SOLE	1	145,033	0	0
CMS ENERGY CORP	COM	125896100	7,338	126,709	SH	SOLE	1	126,709	0	0
CNA FINANCIAL CORP	COM	126117100	22	457	SH	SOLE	1	457	0	0
CNB FINANCIAL CORP/PA	COM	126128107	261	9,231	SH	SOLE	1	9,231	0	0
CNO FINANCIAL GROUP INC	COM	12621E103	6,870	411,853	SH	SOLE	1	411,853	0	0
CNX RESOURCES CORP	COM	12653C108	3,673	502,291	SH	SOLE	1	502,291	0	0
COASTAL FINANCIAL CORP/WA	COM	19046P209	76	4,934	SH	SOLE	1	4,934	0	0
COCA COLA CO/THE	COM	191216100	447,297	8,784,306	SH	SOLE	1	8,784,306	0	0
COCA COLA CONSOLIDATED INC	COM	191098102	1,052	3,516	SH	SOLE	1	3,516	0	0
CODA OCTOPUS GROUP INC	COM	19188U206	38	2,945	SH	SOLE	1	2,945	0	0
CODEXIS INC	COM	192005106	620	33,616	SH	SOLE	1	33,616	0	0
CODORUS VALLEY BANCORP INC	COM	192025104	134	5,829	SH	SOLE	1	5,829	0	0
COEUR MINING INC	COM	192108504	561	129,171	SH	SOLE	1	129,171	0	0
COGENT COMMUNICATIONS HOLDIN	COM	19239V302	1,868	31,463	SH	SOLE	1	31,463	0	0
COGNEX CORP	COM	192422103	16,123	336,035	SH	SOLE	1	336,035	0	0
COGNIZANT TECH SOLUTIONS A	COM	192446102	14,071	221,974	SH	SOLE	1	221,974	0	0
COHEN & STEERS INC	COM	19247A100	745	14,485	SH	SOLE	1	14,485	0	0
COHERENT INC	COM	192479103	6,445	47,261	SH	SOLE	1	47,261	0	0
COHERUS BIOSCIENCES INC	COM	19249H103	870	39,357	SH	SOLE	1	39,357	0	0
COHU INC	COM	192576106	467	30,271	SH	SOLE	1	30,271	0	0
COLFAX CORP	COM	194014106	5,214	186,002	SH	SOLE	1	186,002	0	0
COLGATE PALMOLIVE CO	COM	194162103	24,396	340,399	SH	SOLE	1	340,399	0	0
COLLECTORS UNIVERSE	COM	19421R200	109	5,093	SH	SOLE	1	5,093	0	0

COLLEGIUM PHARMACEUTICAL INC	COM	19459J104	269	20,436	SH	SOLE	1	20,436	0	0
COLONY BANKCORP	COM	19623P101	80	4,723	SH	SOLE	1	4,723	0	0
COLONY CAPITAL INC	COM	19626G108	40	7,957	SH	SOLE	1	7,957	0	0
COLONY CREDIT REAL ESTATE IN	COM	19625T101	797	51,447	SH	SOLE	1	51,447	0	0
COLUMBIA BANKING SYSTEM INC	COM	197236102	1,994	55,125	SH	SOLE	1	55,125	0	0
COLUMBIA FINANCIAL INC	COM	197641103	508	33,649	SH	SOLE	1	33,649	0	0
COLUMBIA PROPERTY TRUST INC	COM	198287203	39	1,885	SH	SOLE	1	1,885	0	0
COLUMBIA SPORTSWEAR CO	COM	198516106	65	645	SH	SOLE	1	645	0	0
COLUMBUS MCKINNON CORP/NY	COM	199333105	608	14,488	SH	SOLE	1	14,488	0	0
COMCAST CORP CLASS A	COM	20030N101	83,615	1,977,656	SH	SOLE	1	1,977,656	0	0
COMERICA INC	COM	200340107	5,240	72,131	SH	SOLE	1	72,131	0	0
COMFORT SYSTEMS USA INC	COM	199908104	1,394	27,334	SH	SOLE	1	27,334	0	0
COMMERCE BANCSHARES INC	COM	200525103	11,465	192,178	SH	SOLE	1	192,178	0	0
COMMERCIAL METALS CO	COM	201723103	5,417	303,471	SH	SOLE	1	303,471	0	0
COMMERCIAL VEHICLE GROUP INC	COM	202608105	155	19,312	SH	SOLE	1	19,312	0	0
COMMSCOPE HOLDING CO INC	COM	20337X109	49	3,093	SH	SOLE	1	3,093	0	0
COMMUNITY BANK SYSTEM INC	COM	203607106	2,515	38,205	SH	SOLE	1	38,205	0	0
COMMUNITY BANKERS TRUST CORP	COM	203612106	116	13,739	SH	SOLE	1	13,739	0	0
COMMUNITY FINANCIAL CORP/THE	COM	20368X101	105	3,112	SH	SOLE	1	3,112	0	0
COMMUNITY HEALTH SYSTEMS INC	COM	203668108	182	68,230	SH	SOLE	1	68,230	0	0
COMMUNITY HEALTHCARE TRUST I	COM	20369C106	530	13,447	SH	SOLE	1	13,447	0	0
COMMUNITY TRUST BANCORP INC	COM	204149108	416	9,836	SH	SOLE	1	9,836	0	0
COMMVAULT SYSTEMS INC	COM	204166102	4,769	96,102	SH	SOLE	1	96,102	0	0
COMPASS MINERALS INTERNATIONAL	COM	20451N101	4,800	87,346	SH	SOLE	1	87,346	0	0
COMPUTER PROGRAMS & SYSTEMS	COM	205306103	263	9,467	SH	SOLE	1	9,467	0	0
COMPX INTERNATIONAL INC	COM	20563P101	18	1,049	SH	SOLE	1	1,049	0	0
COMSCORE INC	COM	20564W105	161	31,134	SH	SOLE	1	31,134	0	0
COMSTOCK RESOURCES INC	COM	205768302	53	9,578	SH	SOLE	1	9,578	0	0
COMTECH TELECOMMUNICATIONS	COM	205826209	497	17,685	SH	SOLE	1	17,685	0	0
CONAGRA BRANDS INC	COM	205887102	4,448	167,716	SH	SOLE	1	167,716	0	0
CONCERT PHARMACEUTICALS INC	COM	206022105	164	13,697	SH	SOLE	1	13,697	0	0
CONCHO RESOURCES INC	COM	20605P101	8,203	79,497	SH	SOLE	1	79,497	0	0
CONCRETE PUMPING HOLDINGS IN	COM	206704108	36	7,064	SH	SOLE	1	7,064	0	0

CONDUENT INC	COM	206787103	1,057	110,054 SH	SOLE	1	110,054	0	0
CONFORMIS INC	COM	20717E101	177	40,616 SH	SOLE	1	40,616	0	0
CONMED CORP	COM	207410101	1,736	20,283 SH	SOLE	1	20,283	0	0
CONN S INC	COM	208242107	275	15,460 SH	SOLE	1	15,460	0	0
CONNECTICUT WATER SVC INC	COM	207797101	537	7,701 SH	SOLE	1	7,701	0	0
CONNECTONE BANCORP INC	COM	20786W107	477	21,063 SH	SOLE	1	21,063	0	0
CONOCOPHILLIPS	COM	20825C104	25,603	419,719 SH	SOLE	1	419,719	0	0
CONS TOMOKA LAND CO FLORIDA	COM	210226106	189	3,173 SH	SOLE	1	3,173	0	0
CONSOL ENERGY INC	COM	20854L108	549	20,633 SH	SOLE	1	20,633	0	0
CONSOLIDATED COMMUNICATIONS	COM	209034107	261	53,024 SH	SOLE	1	53,024	0	0
CONSOLIDATED EDISON INC	COM	209115104	15,826	180,499 SH	SOLE	1	180,499	0	0
CONSTELLATION BRANDS INC A	COM	21036P108	10,486	53,245 SH	SOLE	1	53,245	0	0
CONSTELLATION PHARMACEUTICAL	COM	210373106	121	9,828 SH	SOLE	1	9,828	0	0
CONSTRUCTION PARTNERS INC A	COM	21044C107	115	7,641 SH	SOLE	1	7,641	0	0
CONTAINER STORE GROUP INC/TH	COM	210751103	74	10,115 SH	SOLE	1	10,115	0	0
CONTINENTAL BUILDING PRODUCT	COM	211171103	588	22,130 SH	SOLE	1	22,130	0	0
CONTINENTAL RESOURCES INC/OK	COM	212015101	59	1,408 SH	SOLE	1	1,408	0	0
CONTROL4 CORP	COM	21240D107	473	19,924 SH	SOLE	1	19,924	0	0
CONTURA ENERGY INC	COM	21241B100	627	12,079 SH	SOLE	1	12,079	0	0
COOPER COS INC/THE	COM	216648402	6,048	17,952 SH	SOLE	1	17,952	0	0
COOPER STANDARD HOLDING	COM	21676P103	592	12,911 SH	SOLE	1	12,911	0	0
COOPER TIRE & RUBBER	COM	216831107	1,189	37,686 SH	SOLE	1	37,686	0	0
COPART INC	COM	217204106	5,211	69,719 SH	SOLE	1	69,719	0	0
CORBUS PHARMACEUTICALS HOLDI	COM	21833P103	262	37,744 SH	SOLE	1	37,744	0	0
CORCEPT THERAPEUTICS INC	COM	218352102	818	73,407 SH	SOLE	1	73,407	0	0
CORE MARK HOLDING CO INC	COM	218681104	1,352	34,032 SH	SOLE	1	34,032	0	0
CORECIVIC INC	COM	21871N101	6,362	306,474 SH	SOLE	1	306,474	0	0
CORELOGIC INC	COM	21871D103	6,596	157,677 SH	SOLE	1	157,677	0	0
COREENERGY INFRASTRUCTURE TRU	COM	21870U502	325	8,183 SH	SOLE	1	8,183	0	0
COREPOINT LODGING INC	COM	21872L104	325	26,242 SH	SOLE	1	26,242	0	0
CORESITE REALTY CORP	COM	21870Q105	8,329	72,322 SH	SOLE	1	72,322	0	0
CORINDUS VASCULAR ROBOTICS I	COM	218730109	175	58,388 SH	SOLE	1	58,388	0	0
CORMEDIX INC	COM	21900C308	135	14,985 SH	SOLE	1	14,985	0	0
CORNERSTONE BUILDING BRANDS	COM	21925D109	170	29,240 SH	SOLE	1	29,240	0	0
CORNERSTONE ONDEMAND INC	COM	21925Y103	2,063	35,614 SH	SOLE	1	35,614	0	0

CORNING INC	COM	219350105	9,420	283,471	SH	SOLE	1	283,471	0	0
CORPORATE OFFICE PROPERTIES	COM	22002T108	5,766	218,661	SH	SOLE	1	218,661	0	0
CORTEVA INC	COM	22052L104	7,646	258,575	SH	SOLE	1	258,575	0	0
CORTEXME INC	COM	22053A107	78	1,837	SH	SOLE	1	1,837	0	0
CORVEL CORP	COM	221006109	589	6,766	SH	SOLE	1	6,766	0	0
COSTAR GROUP INC	COM	22160N109	488	880	SH	SOLE	1	880	0	0
COSTCO WHOLESALE CORP	COM	22160K105	45,317	171,486	SH	SOLE	1	171,486	0	0
COTY INC CL A	COM	222070203	1,656	123,567	SH	SOLE	1	123,567	0	0
COUPA SOFTWARE INC	COM	22266L106	189	1,495	SH	SOLE	1	1,495	0	0
COUSINS PROPERTIES INC	COM	222795502	10,269	283,918	SH	SOLE	1	283,918	0	0
COVANTA HOLDING CORP	COM	22282E102	1,344	75,043	SH	SOLE	1	75,043	0	0
COVENANT TRANSPORT GRP CL A	COM	22284P105	118	8,019	SH	SOLE	1	8,019	0	0
COVETRUS INC	COM	22304C100	4,591	187,695	SH	SOLE	1	187,695	0	0
COVIA HOLDINGS CORP	COM	22305A103	52	26,451	SH	SOLE	1	26,451	0	0
COWEN INC A	COM	223622606	315	18,299	SH	SOLE	1	18,299	0	0
CRA INTERNATIONAL INC	COM	12618T105	191	4,979	SH	SOLE	1	4,979	0	0
CRACKER BARREL OLD COUNTRY	COM	22410J106	10,045	58,833	SH	SOLE	1	58,833	0	0
CRAFT BREW ALLIANCE INC	COM	224122101	103	7,376	SH	SOLE	1	7,376	0	0
CRANE CO	COM	224399105	8,298	99,444	SH	SOLE	1	99,444	0	0
CRAWFORD & COMPANY CL A	COM	224633206	111	10,518	SH	SOLE	1	10,518	0	0
CRAY INC	COM	225223304	1,067	30,653	SH	SOLE	1	30,653	0	0
CREDIT ACCEPTANCE CORP	COM	225310101	119	246	SH	SOLE	1	246	0	0
CREE INC	COM	225447101	11,556	205,695	SH	SOLE	1	205,695	0	0
CRINETICS PHARMACEUTICALS IN	COM	22663K107	176	7,022	SH	SOLE	1	7,022	0	0
CROCS INC	COM	227046109	952	48,182	SH	SOLE	1	48,182	0	0
CROSS COUNTRY HEALTHCARE INC	COM	227483104	252	26,916	SH	SOLE	1	26,916	0	0
CROWN CASTLE INTL CORP	COM	22822V101	20,453	156,909	SH	SOLE	1	156,909	0	0
CROWN HOLDINGS INC	COM	228368106	167	2,728	SH	SOLE	1	2,728	0	0
CRYOLIFE INC	COM	228903100	811	27,095	SH	SOLE	1	27,095	0	0
CRYOPORT INC	COM	229050307	315	17,210	SH	SOLE	1	17,210	0	0
CSG SYSTEMS INTL INC	COM	126349109	1,206	24,701	SH	SOLE	1	24,701	0	0
CSW INDUSTRIALS INC	COM	126402106	644	9,454	SH	SOLE	1	9,454	0	0
CSX CORP	COM	126408103	25,633	331,300	SH	SOLE	1	331,300	0	0
CTRIP.COM INTERNATIONAL ADR	ADR	22943F100	1,304	35,338	SH	SOLE	1	35,338	0	0
CTS CORP	COM	126501105	673	24,407	SH	SOLE	1	24,407	0	0
CUBESMART	COM	229663109	102	3,047	SH	SOLE	1	3,047	0	0
CUBIC CORP	COM	229669106	1,493	23,148	SH	SOLE	1	23,148	0	0
CUE BIOPHARMA INC	COM	22978P106	103	11,472	SH	SOLE	1	11,472	0	0

CULLEN/FROST BANKERS INC	COM	229899109	11,535	123,162	SH	SOLE	1	123,162	0	0
CULP INC	COM	230215105	133	7,011	SH	SOLE	1	7,011	0	0
CUMMINS INC	COM	231021106	12,595	73,509	SH	SOLE	1	73,509	0	0
CUMULUS MEDIA INC CL A	COM	231082801	167	9,023	SH	SOLE	1	9,023	0	0
CURO GROUP HOLDINGS CORP	COM	23131L107	122	11,063	SH	SOLE	1	11,063	0	0
CURTISS WRIGHT CORP	COM	231561101	10,623	83,564	SH	SOLE	1	83,564	0	0
CUSTOMERS BANCORP INC	COM	23204G100	447	21,295	SH	SOLE	1	21,295	0	0
CUTERA INC	COM	232109108	216	10,391	SH	SOLE	1	10,391	0	0
CVB FINANCIAL CORP	COM	126600105	2,031	96,558	SH	SOLE	1	96,558	0	0
CVR ENERGY INC	COM	12662P108	941	18,815	SH	SOLE	1	18,815	0	0
CVS HEALTH CORP	COM	126650100	45,971	843,656	SH	SOLE	1	843,656	0	0
CYCLERION THERAPEUTICS INC	COM	23255M105	172	15,015	SH	SOLE	1	15,015	0	0
CYMABAY THERAPEUTICS INC	COM	23257D103	314	43,799	SH	SOLE	1	43,799	0	0
CYPRESS SEMICONDUCTOR CORP	COM	232806109	15,900	714,931	SH	SOLE	1	714,931	0	0
CYRUSONE INC	COM	23283R100	12,762	221,094	SH	SOLE	1	221,094	0	0
CYTOKINETICS INC	COM	23282W605	466	41,395	SH	SOLE	1	41,395	0	0
CYTOMX THERAPEUTICS INC	COM	23284F105	321	28,631	SH	SOLE	1	28,631	0	0
CYTOSORBENTS CORP	COM	23283X206	129	19,468	SH	SOLE	1	19,468	0	0
DAILY JOURNAL CORP	COM	233912104	172	721	SH	SOLE	1	721	0	0
DAKTRONICS INC	COM	234264109	172	27,829	SH	SOLE	1	27,829	0	0
DANA INC	COM	235825205	7,392	370,712	SH	SOLE	1	370,712	0	0
DANAHER CORP	COM	235851102	34,052	238,259	SH	SOLE	1	238,259	0	0
DARDEN RESTAURANTS INC	COM	237194105	5,819	47,799	SH	SOLE	1	47,799	0	0
DARLING INGREDIENTS INC	COM	237266101	2,451	123,206	SH	SOLE	1	123,206	0	0
DASAN ZHONE SOLUTIONS INC	COM	23305L206	50	3,886	SH	SOLE	1	3,886	0	0
DASEKE INC	COM	23753F107	105	29,074	SH	SOLE	1	29,074	0	0
DAVE & BUSTER S ENTERTAINMEN	COM	238337109	1,105	27,314	SH	SOLE	1	27,314	0	0
DAVITA INC	COM	23918K108	2,381	42,330	SH	SOLE	1	42,330	0	0
DEAN FOODS CO	COM	242370203	58	62,422	SH	SOLE	1	62,422	0	0
DECIPHERA PHARMACEUTICALS IN	COM	24344T101	212	9,392	SH	SOLE	1	9,392	0	0
DECKERS OUTDOOR CORP	COM	243537107	13,210	75,070	SH	SOLE	1	75,070	0	0
DEERE & CO	COM	244199105	19,893	120,049	SH	SOLE	1	120,049	0	0
DEL FRISCO S RESTAURANT GROU	COM	245077102	168	21,147	SH	SOLE	1	21,147	0	0
DEL TACO RESTAURANTS INC	COM	245496104	235	18,353	SH	SOLE	1	18,353	0	0
DELEK US HOLDINGS INC	COM	24665A103	1,974	48,723	SH	SOLE	1	48,723	0	0
DELTA AIR LINES INC	COM	247361702	16,743	295,039	SH	SOLE	1	295,039	0	0
DELTA APPAREL INC	COM	247368103	91	3,929	SH	SOLE	1	3,929	0	0
DELUXE CORP	COM	248019101	4,569	112,366	SH	SOLE	1	112,366	0	0

DENALI THERAPEUTICS INC	COM	24823R105	633	30,488	SH	SOLE	1	30,488	0	0
DENBURY RESOURCES INC	COM	247916208	428	344,931	SH	SOLE	1	344,931	0	0
DENNY S CORP	COM	24869P104	767	37,375	SH	SOLE	1	37,375	0	0
DENTSPLY SIRONA INC	COM	24906P109	5,113	87,614	SH	SOLE	1	87,614	0	0
DERMIRA INC	COM	24983L104	283	29,649	SH	SOLE	1	29,649	0	0
DESIGNER BRANDS INC CLASS A	COM	250565108	918	47,896	SH	SOLE	1	47,896	0	0
DEVON ENERGY CORP	COM	25179M103	5,041	176,744	SH	SOLE	1	176,744	0	0
DEXCOM INC	COM	252131107	332	2,214	SH	SOLE	1	2,214	0	0
DHI GROUP INC	COM	23331S100	116	32,518	SH	SOLE	1	32,518	0	0
DIAMOND HILL INVESTMENT GRP	COM	25264R207	292	2,063	SH	SOLE	1	2,063	0	0
DIAMOND OFFSHORE DRILLING	COM	25271C102	431	48,640	SH	SOLE	1	48,640	0	0
DIAMONDBACK ENERGY INC	COM	25278X109	6,919	63,497	SH	SOLE	1	63,497	0	0
DIAMONDROCK HOSPITALITY CO	COM	252784301	1,562	151,024	SH	SOLE	1	151,024	0	0
DICERNA PHARMACEUTICALS INC	COM	253031108	519	32,921	SH	SOLE	1	32,921	0	0
DICK S SPORTING GOODS INC	COM	253393102	4,570	131,957	SH	SOLE	1	131,957	0	0
DIEBOLD NIXDORF INC	COM	253651103	527	57,557	SH	SOLE	1	57,557	0	0
DIGI INTERNATIONAL INC	COM	253798102	264	20,848	SH	SOLE	1	20,848	0	0
DIGIMARC CORP	COM	25381B101	323	7,270	SH	SOLE	1	7,270	0	0
DIGITAL REALTY TRUST INC	COM	253868103	9,033	76,686	SH	SOLE	1	76,686	0	0
DIGITAL TURBINE INC	COM	25400W102	247	49,202	SH	SOLE	1	49,202	0	0
DILLARDS INC CL A	COM	254067101	2,571	41,288	SH	SOLE	1	41,288	0	0
DIME COMMUNITY BANCSHARES	COM	253922108	449	23,653	SH	SOLE	1	23,653	0	0
DINE BRANDS GLOBAL INC	COM	254423106	1,203	12,605	SH	SOLE	1	12,605	0	0
DIODES INC	COM	254543101	1,115	30,665	SH	SOLE	1	30,665	0	0
DIPLOMAT PHARMACY INC	COM	25456K101	262	43,080	SH	SOLE	1	43,080	0	0
DISCOVER FINANCIAL SERVICES	COM	254709108	9,807	126,401	SH	SOLE	1	126,401	0	0
DISCOVERY INC A	COM	25470F104	3,024	98,508	SH	SOLE	1	98,508	0	0
DISCOVERY INC C	COM	25470F302	3,536	124,304	SH	SOLE	1	124,304	0	0
DISH NETWORK CORP A	COM	25470M109	3,404	88,614	SH	SOLE	1	88,614	0	0
DMC GLOBAL INC	COM	23291C103	685	10,806	SH	SOLE	1	10,806	0	0
DNB FINANCIAL CORP	COM	233237106	98	2,209	SH	SOLE	1	2,209	0	0
DOCUSIGN INC	COM	256163106	186	3,734	SH	SOLE	1	3,734	0	0
DOLBY LABORATORIES INC CL A	COM	25659T107	70	1,086	SH	SOLE	1	1,086	0	0
DOLLAR GENERAL CORP	COM	256677105	11,959	88,478	SH	SOLE	1	88,478	0	0
DOLLAR TREE INC	COM	256746108	12,112	112,783	SH	SOLE	1	112,783	0	0
DOMINION ENERGY INC	COM	25746U109	20,105	260,020	SH	SOLE	1	260,020	0	0
DOMINO S PIZZA INC	COM	25754A201	22,442	80,644	SH	SOLE	1	80,644	0	0
DOMO INC CLASS B	COM	257554105	300	10,985	SH	SOLE	1	10,985	0	0

DOMTAR CORP	COM	257559203	5,490	123,279	SH	SOLE	1	123,279	0	0
DONALDSON CO INC	COM	257651109	12,726	250,214	SH	SOLE	1	250,214	0	0
DONEGAL GROUP INC CL A	COM	257701201	100	6,566	SH	SOLE	1	6,566	0	0
DONNELLEY FINANCIAL SOLUTION	COM	25787G100	316	23,720	SH	SOLE	1	23,720	0	0
DORMAN PRODUCTS INC	COM	258278100	1,781	20,441	SH	SOLE	1	20,441	0	0
DOUGLAS DYNAMICS INC	COM	25960R105	567	14,247	SH	SOLE	1	14,247	0	0
DOUGLAS EMMETT INC	COM	25960P109	12,592	316,053	SH	SOLE	1	316,053	0	0
DOVA PHARMACEUTICALS INC	COM	25985T102	73	5,192	SH	SOLE	1	5,192	0	0
DOVER CORP	COM	260003108	5,080	50,694	SH	SOLE	1	50,694	0	0
DOW INC	COM	260557103	338,965	6,874,154	SH	SOLE	1	6,874,154	0	0
DR HORTON INC	COM	23331A109	5,057	117,261	SH	SOLE	1	117,261	0	0
DR. REDDY S LABORATORIES ADR	ADR	256135203	23	618	SH	SOLE	1	618	0	0
DRIL QUIP INC	COM	262037104	1,303	27,140	SH	SOLE	1	27,140	0	0
DRIVE SHACK INC	COM	262077100	180	38,429	SH	SOLE	1	38,429	0	0
DROPBOX INC CLASS A	COM	26210C104	130	5,171	SH	SOLE	1	5,171	0	0
DSP GROUP INC	COM	23332B106	231	16,102	SH	SOLE	1	16,102	0	0
DTE ENERGY COMPANY	COM	233331107	8,088	63,250	SH	SOLE	1	63,250	0	0
DUCOMMUN INC	COM	264147109	308	6,825	SH	SOLE	1	6,825	0	0
DUKE ENERGY CORP	COM	26441C204	21,140	239,572	SH	SOLE	1	239,572	0	0
DUKE REALTY CORP	COM	264411505	3,842	121,540	SH	SOLE	1	121,540	0	0
DULUTH HOLDINGS INC CL B	COM	26443V101	93	6,828	SH	SOLE	1	6,828	0	0
DUNKIN BRANDS GROUP INC	COM	265504100	12,913	162,103	SH	SOLE	1	162,103	0	0
DUPONT DE NEMOURS INC	COM	26614N102	18,497	246,400	SH	SOLE	1	246,400	0	0
DXC TECHNOLOGY CO	COM	23355L106	8,392	152,162	SH	SOLE	1	152,162	0	0
DXP ENTERPRISES INC	COM	233377407	461	12,164	SH	SOLE	1	12,164	0	0
DYCOM INDUSTRIES INC	COM	267475101	4,729	80,335	SH	SOLE	1	80,335	0	0
DYNAVAX TECHNOLOGIES CORP	COM	268158201	164	41,204	SH	SOLE	1	41,204	0	0
DYNEX CAPITAL INC	COM	26817Q886	255	15,242	SH	SOLE	1	15,242	0	0
E TRADE FINANCIAL CORP	COM	269246401	4,276	95,864	SH	SOLE	1	95,864	0	0
EAGLE BANCORP INC	COM	268948106	1,355	25,030	SH	SOLE	1	25,030	0	0
EAGLE MATERIALS INC	COM	26969P108	8,021	86,531	SH	SOLE	1	86,531	0	0
EAGLE PHARMACEUTICALS INC	COM	269796108	394	7,074	SH	SOLE	1	7,074	0	0
EARTHSTONE ENERGY INC A	COM	27032D304	76	12,400	SH	SOLE	1	12,400	0	0
EAST WEST BANCORP INC	COM	27579R104	15,919	340,369	SH	SOLE	1	340,369	0	0
EASTERLY GOVERNMENT PROPERTI	COM	27616P103	926	51,152	SH	SOLE	1	51,152	0	0
EASTERN CO/THE	COM	276317104	96	3,437	SH	SOLE	1	3,437	0	0
EASTGROUP PROPERTIES INC	COM	277276101	10,937	94,304	SH	SOLE	1	94,304	0	0
EASTMAN CHEMICAL CO	COM	277432100	4,179	53,695	SH	SOLE	1	53,695	0	0
EATON VANCE CORP	COM	278265103	9,610	222,825	SH	SOLE	1	222,825	0	0

EBAY INC	COM	278642103	16,285	412,281 SH	SOLE	1	412,281	0	0
EBIX INC	COM	278715206	869	17,296 SH	SOLE	1	17,296	0	0
ECHO GLOBAL LOGISTICS INC	COM	27875T101	430	20,606 SH	SOLE	1	20,606	0	0
ECHOSTAR CORP A	COM	278768106	34	768 SH	SOLE	1	768	0	0
ECOLAB INC	COM	278865100	19,209	97,292 SH	SOLE	1	97,292	0	0
EDGEWELL PERSONAL CARE CO	COM	28035Q102	3,753	139,257 SH	SOLE	1	139,257	0	0
EDISON INTERNATIONAL	COM	281020107	7,575	112,378 SH	SOLE	1	112,378	0	0
EDITAS MEDICINE INC	COM	28106W103	781	31,556 SH	SOLE	1	31,556	0	0
EDWARDS LIFESCIENCES CORP	COM	28176E108	13,639	73,826 SH	SOLE	1	73,826	0	0
EGAIN CORP	COM	28225C806	105	12,958 SH	SOLE	1	12,958	0	0
EHEALTH INC	COM	28238P109	1,410	16,377 SH	SOLE	1	16,377	0	0
EIDOS THERAPEUTICS I	COM	28249H104	6,216	200,000 SH	SOLE	2	200,000	0	0
EIDOS THERAPEUTICS INC	COM	28249H104	219	7,037 SH	SOLE	1	7,037	0	0
EIGER BIOPHARMACEUTICALS INC	COM	28249U105	158	14,905 SH	SOLE	1	14,905	0	0
EL PASO ELECTRIC CO	COM	283677854	1,991	30,443 SH	SOLE	1	30,443	0	0
EL POLLO LOCO HOLDINGS INC	COM	268603107	173	16,200 SH	SOLE	1	16,200	0	0
ELANCO ANIMAL HEALTH INC	COM	28414H103	201	5,942 SH	SOLE	1	5,942	0	0
ELDORADO RESORTS INC	COM	28470R102	7,739	167,985 SH	SOLE	1	167,985	0	0
ELECTROCORE INC	COM	28531P103	17	8,253 SH	SOLE	1	8,253	0	0
ELECTRONIC ARTS INC	COM	285512109	12,531	123,751 SH	SOLE	1	123,751	0	0
ELECTRONICS FOR IMAGING	COM	286082102	1,187	32,168 SH	SOLE	1	32,168	0	0
ELEMENT SOLUTIONS INC	COM	28618M106	45	4,374 SH	SOLE	1	4,374	0	0
ELEVATE CREDIT INC	COM	28621V101	58	14,025 SH	SOLE	1	14,025	0	0
ELF BEAUTY INC	COM	26856L103	235	16,685 SH	SOLE	1	16,685	0	0
ELI LILLY & CO	COM	532457108	30,483	275,139 SH	SOLE	1	275,139	0	0
ELLINGTON FINANCIAL INC	COM	28852N109	308	17,153 SH	SOLE	1	17,153	0	0
ELOXX PHARMACEUTICALS INC	COM	29014R103	144	14,430 SH	SOLE	1	14,430	0	0
EMC INS GROUP INC	COM	268664109	216	5,996 SH	SOLE	1	5,996	0	0
EMCOR GROUP INC	COM	29084Q100	12,703	144,186 SH	SOLE	1	144,186	0	0
EMERALD EXPOSITIONS EVENTS I	COM	29103B100	175	15,716 SH	SOLE	1	15,716	0	0
EMERGENT BIOSOLUTIONS INC	COM	29089Q105	1,650	34,164 SH	SOLE	1	34,164	0	0
EMERSON ELECTRIC CO	COM	291011104	27,996	419,599 SH	SOLE	1	419,599	0	0
EMPIRE RESORTS INC	COM	292052305	23	2,418 SH	SOLE	1	2,418	0	0
EMPIRE STATE REALTY TRUST A	COM	292104106	35	2,371 SH	SOLE	1	2,371	0	0
EMPLOYERS HOLDINGS INC	COM	292218104	1,003	23,725 SH	SOLE	1	23,725	0	0
ENANTA PHARMACEUTICALS INC	COM	29251M106	1,074	12,726 SH	SOLE	1	12,726	0	0
ENCOMPASS HEALTH CORP	COM	29261A100	12,262	193,529 SH	SOLE	1	193,529	0	0

ENCORE CAPITAL GROUP INC	COM	292554102	765	22,575	SH	SOLE	1	22,575	0	0
ENCORE WIRE CORP	COM	292562105	898	15,327	SH	SOLE	1	15,327	0	0
ENDURANCE INTERNATIONAL GROU	COM	29272B105	219	45,523	SH	SOLE	1	45,523	0	0
ENERGIZER HOLDINGS INC	COM	29272W109	4,800	124,234	SH	SOLE	1	124,234	0	0
ENERGOUS CORP	COM	29272C103	77	17,687	SH	SOLE	1	17,687	0	0
ENERGY FUELS INC	COM	292671708	176	56,367	SH	SOLE	1	56,367	0	0
ENERGY RECOVERY INC	COM	29270J100	246	23,619	SH	SOLE	1	23,619	0	0
ENERSYS	COM	29275Y102	7,572	110,542	SH	SOLE	1	110,542	0	0
ENNIS INC	COM	293389102	333	16,210	SH	SOLE	1	16,210	0	0
ENOCHIAN BIOSCIENCES INC	COM	29350E104	12	2,553	SH	SOLE	1	2,553	0	0
ENOVA INTERNATIONAL INC	COM	29357K103	572	24,795	SH	SOLE	1	24,795	0	0
ENPHASE ENERGY INC	COM	29355A107	1,065	58,402	SH	SOLE	1	58,402	0	0
ENPRO INDUSTRIES INC	COM	29355X107	986	15,445	SH	SOLE	1	15,445	0	0
ENSIGN GROUP INC/THE	COM	29358P101	2,154	37,848	SH	SOLE	1	37,848	0	0
ENTEGRA FINANCIAL CORP	COM	29363J108	129	4,288	SH	SOLE	1	4,288	0	0
ENTEGRIS INC	COM	29362U104	123	3,290	SH	SOLE	1	3,290	0	0
ENTERCOM COMMUNICATIONS CL A	COM	293639100	456	78,632	SH	SOLE	1	78,632	0	0
ENERGY CORP	COM	29364G103	6,750	65,575	SH	SOLE	1	65,575	0	0
ENTERPRISE BANCORP INC	COM	293668109	181	5,700	SH	SOLE	1	5,700	0	0
ENTERPRISE FINANCIAL SERVICE	COM	293712105	652	15,666	SH	SOLE	1	15,666	0	0
ENTRAVISION COMMUNICATIONS A	COM	29382R107	120	38,591	SH	SOLE	1	38,591	0	0
ENVESTNET INC	COM	29404K106	2,077	30,385	SH	SOLE	1	30,385	0	0
ENZO BIOCHEM INC	COM	294100102	95	28,059	SH	SOLE	1	28,059	0	0
EOG RESOURCES INC	COM	26875P101	21,314	228,791	SH	SOLE	1	228,791	0	0
EPAM SYSTEMS INC	COM	29414B104	219	1,268	SH	SOLE	1	1,268	0	0
EPIZYME INC	COM	29428V104	620	49,378	SH	SOLE	1	49,378	0	0
EPLUS INC	COM	294268107	692	10,040	SH	SOLE	1	10,040	0	0
EPR PROPERTIES	COM	26884U109	11,001	147,492	SH	SOLE	1	147,492	0	0
EQT CORP	COM	26884L109	7,892	499,183	SH	SOLE	1	499,183	0	0
EQUIFAX INC	COM	294429105	5,648	41,766	SH	SOLE	1	41,766	0	0
EQUINIX INC	COM	29444U700	15,067	29,878	SH	SOLE	1	29,878	0	0
EQUITRANS MIDSTREAM CORP	COM	294600101	7,860	398,762	SH	SOLE	1	398,762	0	0
EQUITY BANCSHARES INC CL A	COM	29460X109	256	9,608	SH	SOLE	1	9,608	0	0
EQUITY COMMONWEALTH	COM	294628102	63	1,950	SH	SOLE	1	1,950	0	0
EQUITY LIFESTYLE PROPERTIES	COM	29472R108	254	2,094	SH	SOLE	1	2,094	0	0
EQUITY RESIDENTIAL	COM	29476L107	11,179	147,252	SH	SOLE	1	147,252	0	0
ERA GROUP INC	COM	26885G109	128	15,305	SH	SOLE	1	15,305	0	0
ERIE INDEMNITY COMPANY CL A	COM	29530P102	136	533	SH	SOLE	1	533	0	0

ESCALADE INC	COM	296056104	78	6,806 SH	SOLE	1	6,806	0	0
ESCO TECHNOLOGIES INC	COM	296315104	1,587	19,206 SH	SOLE	1	19,206	0	0
ESPERION THERAPEUTICS INC	COM	29664W105	738	15,854 SH	SOLE	1	15,854	0	0
ESQUIRE FINANCIAL HOLDINGS I	COM	29667J101	102	4,053 SH	SOLE	1	4,053	0	0
ESSA BANCORP INC	COM	29667D104	92	6,014 SH	SOLE	1	6,014	0	0
ESSENTIAL PROPERTIES REALTY	COM	29670E107	631	31,511 SH	SOLE	1	31,511	0	0
ESSEX PROPERTY TRUST INC	COM	297178105	6,472	22,170 SH	SOLE	1	22,170	0	0
ESTEE LAUDER COMPANIES CL A	COM	518439104	15,289	83,496 SH	SOLE	1	83,496	0	0
ETHAN ALLEN INTERIORS INC	COM	297602104	381	18,079 SH	SOLE	1	18,079	0	0
ETSY INC	COM	29786A106	179	2,918 SH	SOLE	1	2,918	0	0
EURONET WORLDWIDE INC	COM	298736109	206	1,222 SH	SOLE	1	1,222	0	0
EVANS BANCORP INC	COM	29911Q208	113	3,002 SH	SOLE	1	3,002	0	0
EVELO BIOSCIENCES INC	COM	299734103	78	8,741 SH	SOLE	1	8,741	0	0
EVENTBRITE INC CLASS A	COM	29975E109	377	23,233 SH	SOLE	1	23,233	0	0
EVERBRIDGE INC	COM	29978A104	1,855	20,740 SH	SOLE	1	20,740	0	0
EVERCORE INC A	COM	29977A105	7,116	80,346 SH	SOLE	1	80,346	0	0
EVERGY INC	COM	30034W106	5,069	84,274 SH	SOLE	1	84,274	0	0
EVERI HOLDINGS INC	COM	30034T103	513	43,006 SH	SOLE	1	43,006	0	0
EVERQUOTE INC CLASS A	COM	30041R108	70	5,393 SH	SOLE	1	5,393	0	0
EVERSOURCE ENERGY	COM	30040W108	11,543	152,364 SH	SOLE	1	152,364	0	0
EVERTEC INC	COM	30040P103	1,484	45,395 SH	SOLE	1	45,395	0	0
EVI INDUSTRIES INC	COM	26929N102	111	2,889 SH	SOLE	1	2,889	0	0
EVO PAYMENTS INC CLASS A	COM	26927E104	627	19,884 SH	SOLE	1	19,884	0	0
EVOFEM BIOSCIENCES INC	COM	30048L104	60	8,996 SH	SOLE	1	8,996	0	0
EVOLENT HEALTH INC A	COM	30050B101	366	46,060 SH	SOLE	1	46,060	0	0
EVOLUS INC	COM	30052C107	103	7,049 SH	SOLE	1	7,049	0	0
EVOLUTION PETROLEUM CORP	COM	30049A107	124	17,281 SH	SOLE	1	17,281	0	0
EVOQUA WATER TECHNOLOGIES CO	COM	30057T105	678	47,608 SH	SOLE	1	47,608	0	0
EW SCRIPPS CO/THE A	COM	811054402	630	41,220 SH	SOLE	1	41,220	0	0
EXACT SCIENCES CORP	COM	30063P105	369	3,125 SH	SOLE	1	3,125	0	0
EXANTAS CAPITAL CORP	COM	30068N105	219	19,395 SH	SOLE	1	19,395	0	0
EXELA TECHNOLOGIES INC	COM	30162V102	62	28,509 SH	SOLE	1	28,509	0	0
EXELIXIS INC	COM	30161Q104	12,620	590,538 SH	SOLE	1	590,538	0	0
EXELON CORP	COM	30161N101	15,317	319,504 SH	SOLE	1	319,504	0	0
EXLSERVICE HOLDINGS INC	COM	302081104	1,669	25,231 SH	SOLE	1	25,231	0	0
EXP WORLD HOLDINGS INC	COM	30212W100	113	10,141 SH	SOLE	1	10,141	0	0
EXPEDIA GROUP INC	COM	30212P303	9,815	73,784 SH	SOLE	1	73,784	0	0

EXPEDITORS INTL WASH INC	COM	302130109	4,442	58,554	SH	SOLE	1	58,554	0	0
EXPONENT INC	COM	30214U102	2,272	38,816	SH	SOLE	1	38,816	0	0
EXPRESS INC	COM	30219E103	135	49,495	SH	SOLE	1	49,495	0	0
EXTENDED STAY AMERICA INC	COM UNIT	30224P200	51	3,041	SH	SOLE	1	3,041	0	0
EXTERRAN CORP	COM	30227H106	336	23,597	SH	SOLE	1	23,597	0	0
EXTRA SPACE STORAGE INC	COM	30225T102	4,655	43,875	SH	SOLE	1	43,875	0	0
EXTRACTION OIL & GAS INC	COM	30227M105	276	63,641	SH	SOLE	1	63,641	0	0
EXTREME NETWORKS INC	COM	30226D106	568	87,865	SH	SOLE	1	87,865	0	0
EXXON MOBIL CORP	COM	30231G102	458,082	5,977,847	SH	SOLE	1	5,977,847	0	0
EYEPOINT PHARMACEUTICALS INC	COM	30233G100	65	39,361	SH	SOLE	1	39,361	0	0
EZCORP INC CL A	COM	302301106	363	38,313	SH	SOLE	1	38,313	0	0
F5 NETWORKS INC	COM	315616102	2,976	20,434	SH	SOLE	1	20,434	0	0
FACEBOOK INC CLASS A	COM	30303M102	173,322	898,042	SH	SOLE	1	898,042	0	0
FACTSET RESEARCH SYSTEMS INC	COM	303075105	21,495	75,009	SH	SOLE	1	75,009	0	0
FAIR ISAAC CORP	COM	303250104	17,856	56,863	SH	SOLE	1	56,863	0	0
FALCON MINERALS CORP	COM	30607B109	206	24,534	SH	SOLE	1	24,534	0	0
FARMER BROS CO	COM	307675108	110	6,732	SH	SOLE	1	6,732	0	0
FARMERS & MERCHANTS BANCO/OH	COM	30779N105	187	6,411	SH	SOLE	1	6,411	0	0
FARMERS NATL BANC CORP	COM	309627107	241	16,284	SH	SOLE	1	16,284	0	0
FARMLAND PARTNERS INC	COM	31154R109	130	18,428	SH	SOLE	1	18,428	0	0
FARO TECHNOLOGIES INC	COM	311642102	680	12,931	SH	SOLE	1	12,931	0	0
FASTENAL CO	COM	311900104	19,808	607,809	SH	SOLE	1	607,809	0	0
FATE THERAPEUTICS INC	COM	31189P102	675	33,263	SH	SOLE	1	33,263	0	0
FB FINANCIAL CORP	COM	30257X104	396	10,820	SH	SOLE	1	10,820	0	0
FBL FINANCIAL GROUP INC CL A	COM	30239F106	393	6,158	SH	SOLE	1	6,158	0	0
FEDERAL AGRIC MTG CORP CL C	COM	313148306	417	5,737	SH	SOLE	1	5,737	0	0
FEDERAL REALTY INVS TRUST	COM	313747206	3,280	25,477	SH	SOLE	1	25,477	0	0
FEDERAL SIGNAL CORP	COM	313855108	1,200	44,864	SH	SOLE	1	44,864	0	0
FEDERATED INVESTORS INC CL B	COM	314211103	8,048	247,632	SH	SOLE	1	247,632	0	0
FEDEX CORP	COM	31428X106	12,764	77,738	SH	SOLE	1	77,738	0	0
FEDNAT HOLDING CO	COM	31431B109	105	7,341	SH	SOLE	1	7,341	0	0
FERRO CORP	COM	315405100	967	61,233	SH	SOLE	1	61,233	0	0
FIBROGEN INC	COM	31572Q808	2,230	49,362	SH	SOLE	1	49,362	0	0
FIDELITY D&D BANCORP INC	COM	31609R100	119	1,776	SH	SOLE	1	1,776	0	0
FIDELITY NATIONAL FINANCIAL	COM	31620R303	173	4,281	SH	SOLE	1	4,281	0	0
FIDELITY NATIONAL INFO SERV	COM	31620M106	15,342	125,056	SH	SOLE	1	125,056	0	0

FIDELITY SOUTHERN CORP	COM	316394105	79	2,551	SH	SOLE	1	2,551	0	0
FIESTA RESTAURANT GROUP	COM	31660B101	231	17,601	SH	SOLE	1	17,601	0	0
FIFTH THIRD BANCORP	COM	316773100	9,056	324,579	SH	SOLE	1	324,579	0	0
FINANCIAL INSTITUTIONS INC	COM	317585404	287	9,840	SH	SOLE	1	9,840	0	0
FINISAR CORPORATION	COM	31787A507	2,020	88,319	SH	SOLE	1	88,319	0	0
FIREEYE INC	COM	31816Q101	72	4,871	SH	SOLE	1	4,871	0	0
FIRST AMERICAN FINANCIAL	COM	31847R102	12,531	233,356	SH	SOLE	1	233,356	0	0
FIRST BANCORP INC/ME	COM	31866P102	175	6,516	SH	SOLE	1	6,516	0	0
FIRST BANCORP PUERTO RICO	COM	318672706	1,780	161,269	SH	SOLE	1	161,269	0	0
FIRST BANCORP/NC	COM	318910106	679	18,634	SH	SOLE	1	18,634	0	0
FIRST BANCSHARES INC/MS	COM	318916103	320	10,545	SH	SOLE	1	10,545	0	0
FIRST BANK/HAMILTON NJ	COM	31931U102	124	10,561	SH	SOLE	1	10,561	0	0
FIRST BUSEY CORP	COM	319383204	872	33,006	SH	SOLE	1	33,006	0	0
FIRST BUSINESS FINANCIAL SER	COM	319390100	125	5,318	SH	SOLE	1	5,318	0	0
FIRST CAPITAL INC	COM	31942S104	104	2,060	SH	SOLE	1	2,060	0	0
FIRST CHOICE BANCORP	COM	31948P104	146	6,414	SH	SOLE	1	6,414	0	0
FIRST CITIZENS BCSHS CL A	COM	31946M103	54	121	SH	SOLE	1	121	0	0
FIRST COMMONWEALTH FINL CORP	COM	319829107	989	73,453	SH	SOLE	1	73,453	0	0
FIRST COMMUNITY BANKSHARES	COM	31983A103	330	9,761	SH	SOLE	1	9,761	0	0
FIRST DATA CORP CLASS A	COM	32008D106	377	13,939	SH	SOLE	1	13,939	0	0
FIRST DEFIANCE FINL CORP	COM	32006W106	353	12,352	SH	SOLE	1	12,352	0	0
FIRST FINANCIAL BANCORP	COM	320209109	1,773	73,221	SH	SOLE	1	73,221	0	0
FIRST FINANCIAL CORP/INDIANA	COM	320218100	305	7,589	SH	SOLE	1	7,589	0	0
FIRST FINANCIAL NORTHWEST	COM	32022K102	71	5,040	SH	SOLE	1	5,040	0	0
FIRST FINL BANKSHARES INC	COM	32020R109	10,643	345,670	SH	SOLE	1	345,670	0	0
FIRST FOUNDATION INC	COM	32026V104	334	24,861	SH	SOLE	1	24,861	0	0
FIRST GUARANTY BANCSHARES IN	COM	32043P106	62	2,979	SH	SOLE	1	2,979	0	0
FIRST HAWAIIAN INC	COM	32051X108	57	2,190	SH	SOLE	1	2,190	0	0
FIRST HORIZON NATIONAL CORP	COM	320517105	9,198	616,088	SH	SOLE	1	616,088	0	0
FIRST INDUSTRIAL REALTY TR	COM	32054K103	11,951	325,279	SH	SOLE	1	325,279	0	0
FIRST INTERNET BANCORP	COM	320557101	134	6,222	SH	SOLE	1	6,222	0	0
FIRST INTERSTATE BANCSYS A	COM	32055Y201	944	23,823	SH	SOLE	1	23,823	0	0
FIRST MERCHANTS CORP	COM	320817109	1,178	31,077	SH	SOLE	1	31,077	0	0
FIRST MID BANCSHARES INC	COM	320866106	323	9,253	SH	SOLE	1	9,253	0	0

FIRST MIDWEST BANCORP INC/IL	COM	320867104	1,647	80,467	SH	SOLE	1	80,467	0	0
FIRST NORTHWEST BANCORP	COM	335834107	93	5,701	SH	SOLE	1	5,701	0	0
FIRST OF LONG ISLAND CORP	COM	320734106	306	15,231	SH	SOLE	1	15,231	0	0
FIRST REPUBLIC BANK/CA	COM	33616C100	5,919	60,616	SH	SOLE	1	60,616	0	0
FIRST SOLAR INC	COM	336433107	9,741	148,308	SH	SOLE	1	148,308	0	0
FIRSTCASH INC	COM	33767D105	3,186	31,857	SH	SOLE	1	31,857	0	0
FIRSTENERGY CORP	COM	337932107	14,713	343,671	SH	SOLE	1	343,671	0	0
FISERV INC	COM	337738108	16,154	177,210	SH	SOLE	1	177,210	0	0
FITBIT INC A	COM	33812L102	620	140,827	SH	SOLE	1	140,827	0	0
FIVE BELOW	COM	33829M101	13,174	109,766	SH	SOLE	1	109,766	0	0
FIVE PRIME THERAPEUTICS INC	COM	33830X104	130	21,490	SH	SOLE	1	21,490	0	0
FIVE9 INC	COM	338307101	1,920	37,429	SH	SOLE	1	37,429	0	0
FLAGSTAR BANCORP INC	COM	337930705	710	21,423	SH	SOLE	1	21,423	0	0
FLEETCOR TECHNOLOGIES INC	COM	339041105	9,291	33,083	SH	SOLE	1	33,083	0	0
FLEXION THERAPEUTICS INC	COM	33938J106	264	21,477	SH	SOLE	1	21,477	0	0
FLEXSTEEL INDS	COM	339382103	81	4,751	SH	SOLE	1	4,751	0	0
FLIR SYSTEMS INC	COM	302445101	2,534	46,841	SH	SOLE	1	46,841	0	0
FLOOR & DECOR HOLDINGS INC A	COM	339750101	68	1,627	SH	SOLE	1	1,627	0	0
FLOTEK INDUSTRIES INC	COM	343389102	113	34,186	SH	SOLE	1	34,186	0	0
FLOWERS FOODS INC	COM	343498101	8,368	359,612	SH	SOLE	1	359,612	0	0
FLOWSERVE CORP	COM	34354P105	2,359	44,770	SH	SOLE	1	44,770	0	0
FLUENT INC	COM	34380C102	146	27,115	SH	SOLE	1	27,115	0	0
FLUIDIGM CORP	COM	34385P108	542	43,963	SH	SOLE	1	43,963	0	0
FLUOR CORP	COM	343412102	9,891	293,598	SH	SOLE	1	293,598	0	0
FLUSHING FINANCIAL CORP	COM	343873105	382	17,190	SH	SOLE	1	17,190	0	0
FMC CORP	COM	302491303	5,504	66,352	SH	SOLE	1	66,352	0	0
FNB CORP	COM	302520101	7,468	634,471	SH	SOLE	1	634,471	0	0
FNCB BANCORP INC	COM	302578109	84	10,878	SH	SOLE	1	10,878	0	0
FOCUS FINANCIAL PARTNERS A	COM	34417P100	526	19,269	SH	SOLE	1	19,269	0	0
FOOT LOCKER INC	COM	344849104	13,751	328,041	SH	SOLE	1	328,041	0	0
FORD MOTOR CO	COM	345370860	14,930	1,459,401	SH	SOLE	1	1,459,401	0	0
FORESCOUT TECHNOLOGIES INC	COM	34553D101	874	25,813	SH	SOLE	1	25,813	0	0
FORESTAR GROUP INC	COM	346232101	131	6,699	SH	SOLE	1	6,699	0	0
FORMFACTOR INC	COM	346375108	874	55,777	SH	SOLE	1	55,777	0	0
FORRESTER RESEARCH INC	COM	346563109	374	7,945	SH	SOLE	1	7,945	0	0
FORTERRA INC	COM	34960W106	59	11,811	SH	SOLE	1	11,811	0	0
FORTINET INC	COM	34959E109	3,820	49,721	SH	SOLE	1	49,721	0	0
FORTIVE CORP	COM	34959J108	9,782	119,993	SH	SOLE	1	119,993	0	0
FORTUNE BRANDS HOME & SECURI	COM	34964C106	2,780	48,655	SH	SOLE	1	48,655	0	0

FORTY SEVEN INC	COM	34983P104	111	10,501 SH	SOLE	1	10,501	0	0
FORUM ENERGY TECHNOLOGIES IN	COM	34984V100	180	52,621 SH	SOLE	1	52,621	0	0
FORWARD AIR CORP	COM	349853101	1,268	21,442 SH	SOLE	1	21,442	0	0
FOSSIL GROUP INC	COM	34988V106	402	34,952 SH	SOLE	1	34,952	0	0
FOSTER (LB) CO A	COM	350060109	174	6,364 SH	SOLE	1	6,364	0	0
FOUNDATION BUILDING MATERIAL	COM	350392106	168	9,436 SH	SOLE	1	9,436	0	0
FOUR CORNERS PROPERTY TRUST	COM	35086T109	1,404	51,354 SH	SOLE	1	51,354	0	0
FOX CORP CLASS A	COM	35137L105	6,292	171,732 SH	SOLE	1	171,732	0	0
FOX CORP CLASS B	COM	35137L204	2,608	71,384 SH	SOLE	1	71,384	0	0
FOX FACTORY HOLDING CORP	COM	35138V102	2,333	28,276 SH	SOLE	1	28,276	0	0
FRANKLIN COVEY CO	COM	353469109	211	6,195 SH	SOLE	1	6,195	0	0
FRANKLIN ELECTRIC CO INC	COM	353514102	1,605	33,781 SH	SOLE	1	33,781	0	0
FRANKLIN FINANCIAL NETWORK	COM	35352P104	272	9,747 SH	SOLE	1	9,747	0	0
FRANKLIN FINANCIAL SERVICES	COM	353525108	102	2,664 SH	SOLE	1	2,664	0	0
FRANKLIN RESOURCES INC	COM	354613101	9,789	281,288 SH	SOLE	1	281,288	0	0
FRANKLIN STREET PROPERTIES C	COM	35471R106	577	78,227 SH	SOLE	1	78,227	0	0
FREEMPORT MCMORAN INC	COM	35671D857	5,734	493,902 SH	SOLE	1	493,902	0	0
FRESHPET INC	COM	358039105	899	19,743 SH	SOLE	1	19,743	0	0
FRONT YARD RESIDENTIAL CORP	COM	35904G107	385	31,493 SH	SOLE	1	31,493	0	0
FRONTDOOR INC	COM	35905A109	60	1,375 SH	SOLE	1	1,375	0	0
FRONTIER COMMUNICATIONS CORP	COM	35906A306	138	78,699 SH	SOLE	1	78,699	0	0
FRP HOLDINGS INC	COM	30292L107	250	4,477 SH	SOLE	1	4,477	0	0
FS BANCORP INC	COM	30263Y104	132	2,542 SH	SOLE	1	2,542	0	0
FTI CONSULTING INC	COM	302941109	2,374	28,310 SH	SOLE	1	28,310	0	0
FTS INTERNATIONAL INC	COM	30283W104	118	21,122 SH	SOLE	1	21,122	0	0
FULTON FINANCIAL CORP	COM	360271100	7,073	432,041 SH	SOLE	1	432,041	0	0
FUNKO INC CLASS A	COM	361008105	262	10,806 SH	SOLE	1	10,806	0	0
FUTUREFUEL CORP	COM	36116M106	606	51,844 SH	SOLE	1	51,844	0	0
FVCBANKCORP INC	COM	36120Q101	150	7,716 SH	SOLE	1	7,716	0	0
G III APPAREL GROUP LTD	COM	36237H101	985	33,492 SH	SOLE	1	33,492	0	0
G1 THERAPEUTICS INC	COM	3621LQ109	660	21,515 SH	SOLE	1	21,515	0	0
GAIA INC	COM	36269P104	51	6,681 SH	SOLE	1	6,681	0	0
GAIN CAPITAL HOLDINGS INC	COM	36268W100	50	12,127 SH	SOLE	1	12,127	0	0
GALECTIN THERAPEUTICS INC	COM	363225202	85	20,506 SH	SOLE	1	20,506	0	0
GAMCO INVESTORS INC A	COM	361438104	64	3,338 SH	SOLE	1	3,338	0	0
GAMESTOP CORP CLASS A	COM	36467W109	664	121,301 SH	SOLE	1	121,301	0	0
GAMING AND LEISURE PROPERTIE	COM	36467J108	128	3,278 SH	SOLE	1	3,278	0	0

GANNETT CO INC	COM	36473H104	656	80,362 SH	SOLE	1	80,362	0	0
GAP INC/THE	COM	364760108	245,502	13,661,764 SH	SOLE	1	13,661,764	0	0
GARDNER DENVER HOLDINGS INC	COM	36555P107	73	2,112 SH	SOLE	1	2,112	0	0
GARRETT MOTION INC	COM	366505105	130	8,493 SH	SOLE	1	8,493	0	0
GARTNER INC	COM	366651107	4,961	30,824 SH	SOLE	1	30,824	0	0
GATX CORP	COM	361448103	7,383	93,114 SH	SOLE	1	93,114	0	0
GCI LIBERTY INC CLASS A	COM	36164V305	98	1,590 SH	SOLE	1	1,590	0	0
GCP APPLIED TECHNOLOGIES	COM	36164Y101	779	34,399 SH	SOLE	1	34,399	0	0
GDS HOLDINGS LTD ADR	ADR	36165L108	30	800 SH	SOLE	1	800	0	0
GENCOR INDUSTRIES INC	COM	368678108	75	5,775 SH	SOLE	1	5,775	0	0
GENERAC HOLDINGS INC	COM	368736104	2,700	38,903 SH	SOLE	1	38,903	0	0
GENERAL DYNAMICS CORP	COM	369550108	28,928	159,100 SH	SOLE	1	159,100	0	0
GENERAL ELECTRIC CO	COM	369604103	30,132	2,869,686 SH	SOLE	1	2,869,686	0	0
GENERAL FINANCE CORP	COM	369822101	62	7,384 SH	SOLE	1	7,384	0	0
GENERAL MILLS INC	COM	370334104	452,849	8,622,413 SH	SOLE	1	8,622,413	0	0
GENERAL MOTORS CO	COM	37045V100	16,725	434,069 SH	SOLE	1	434,069	0	0
GENESCO INC	COM	371532102	560	13,243 SH	SOLE	1	13,243	0	0
GENESEE & WYOMING INC CL A	COM	371559105	11,049	110,490 SH	SOLE	1	110,490	0	0
GENESIS HEALTHCARE INC	COM	37185X106	64	51,821 SH	SOLE	1	51,821	0	0
GENIE ENERGY LTD B	COM	372284208	97	9,146 SH	SOLE	1	9,146	0	0
GENMARK DIAGNOSTICS INC	COM	372309104	225	34,621 SH	SOLE	1	34,621	0	0
GENOMIC HEALTH INC	COM	37244C101	996	17,130 SH	SOLE	1	17,130	0	0
GENTEX CORP	COM	371901109	12,289	499,355 SH	SOLE	1	499,355	0	0
GENTHERM INC	COM	37253A103	1,058	25,299 SH	SOLE	1	25,299	0	0
GENUINE PARTS CO	COM	372460105	16,990	164,026 SH	SOLE	1	164,026	0	0
GENWORTH FINANCIAL INC CL A	COM	37247D106	4,812	1,297,100 SH	SOLE	1	1,297,100	0	0
GEO GROUP INC/THE	COM	36162J106	6,524	310,540 SH	SOLE	1	310,540	0	0
GEOSPACE TECHNOLOGIES CORP	COM	37364X109	151	9,965 SH	SOLE	1	9,965	0	0
GERMAN AMERICAN BANCORP	COM	373865104	445	14,762 SH	SOLE	1	14,762	0	0
GERON CORP	COM	374163103	155	109,983 SH	SOLE	1	109,983	0	0
GETTY REALTY CORP	COM	374297109	772	25,098 SH	SOLE	1	25,098	0	0
GIBRALTAR INDUSTRIES INC	COM	374689107	1,529	37,882 SH	SOLE	1	37,882	0	0
GILEAD SCIENCES INC	COM	375558103	370,399	5,482,526 SH	SOLE	1	5,482,526	0	0
GLACIER BANCORP INC	COM	37637Q105	2,578	63,570 SH	SOLE	1	63,570	0	0
GLADSTONE COMMERCIAL CORP	COM	376536108	404	19,041 SH	SOLE	1	19,041	0	0
GLADSTONE LAND CORP	COM	376549101	120	10,373 SH	SOLE	1	10,373	0	0
GLATFELTER	COM	377316104	552	32,711 SH	SOLE	1	32,711	0	0
GLAUKOS CORP	COM	377322102	1,709	22,664 SH	SOLE	1	22,664	0	0

GLOBAL BLOOD THERAPEUTICS IN	COM	37890U108	1,821	34,619	SH	SOLE	1	34,619	0	0
GLOBAL BRASS & COPPER HOLDIN	COM	37953G103	596	13,639	SH	SOLE	1	13,639	0	0
GLOBAL MEDICAL REIT INC	COM	37954A204	205	19,566	SH	SOLE	1	19,566	0	0
GLOBAL NET LEASE INC	COM	379378201	1,240	63,221	SH	SOLE	1	63,221	0	0
GLOBAL PAYMENTS INC	COM	37940X102	8,603	53,727	SH	SOLE	1	53,727	0	0
GLOBAL WATER RESOURCES INC	COM	379463102	78	7,500	SH	SOLE	1	7,500	0	0
GLOBUS MEDICAL INC A	COM	379577208	8,319	196,675	SH	SOLE	1	196,675	0	0
GLU MOBILE INC	COM	379890106	529	73,649	SH	SOLE	1	73,649	0	0
GLYCOMIMETICS INC	COM	38000Q102	256	21,504	SH	SOLE	1	21,504	0	0
GMS INC	COM	36251C103	530	24,105	SH	SOLE	1	24,105	0	0
GNC HOLDINGS INC CL A	COM	36191G107	78	51,999	SH	SOLE	1	51,999	0	0
GODADDY INC CLASS A	COM	380237107	302	4,299	SH	SOLE	1	4,299	0	0
GOGO INC	COM	38046C109	139	34,921	SH	SOLE	1	34,921	0	0
GOLD RESOURCE CORP	COM	38068T105	124	36,732	SH	SOLE	1	36,732	0	0
GOLDEN ENTERTAINMENT INC	COM	381013101	152	10,875	SH	SOLE	1	10,875	0	0
GOLDMAN SACHS GROUP INC	COM	38141G104	22,906	111,956	SH	SOLE	1	111,956	0	0
GOODRICH PETROLEUM CORP	COM	382410843	74	5,706	SH	SOLE	1	5,706	0	0
GOODYEAR TIRE & RUBBER CO	COM	382550101	6,949	454,196	SH	SOLE	1	454,196	0	0
GOOSEHEAD INSURANCE INC A	COM	38267D109	340	7,111	SH	SOLE	1	7,111	0	0
GOPRO INC CLASS A	COM	38268T103	425	77,827	SH	SOLE	1	77,827	0	0
GORMAN RUPP CO	COM	383082104	368	11,203	SH	SOLE	1	11,203	0	0
GOSSAMER BIO INC	COM	38341P102	282	12,721	SH	SOLE	1	12,721	0	0
GP STRATEGIES CORP	COM	36225V104	121	8,046	SH	SOLE	1	8,046	0	0
GRACO INC	COM	384109104	16,392	326,673	SH	SOLE	1	326,673	0	0
GRAFTECH INTERNATIONAL LTD	COM	384313508	11	993	SH	SOLE	1	993	0	0
GRAHAM CORP	COM	384556106	123	6,102	SH	SOLE	1	6,102	0	0
GRAHAM HOLDINGS CO CLASS B	COM	384637104	6,902	10,002	SH	SOLE	1	10,002	0	0
GRAND CANYON EDUCATION INC	COM	38526M106	94	805	SH	SOLE	1	805	0	0
GRANITE CONSTRUCTION INC	COM	387328107	5,807	120,534	SH	SOLE	1	120,534	0	0
GRANITE POINT MORTGAGE TRUST	COM	38741L107	766	39,903	SH	SOLE	1	39,903	0	0
GRAPHIC PACKAGING HOLDING CO	COM	388689101	67	4,765	SH	SOLE	1	4,765	0	0
GRAY TELEVISION INC	COM	389375106	949	57,907	SH	SOLE	1	57,907	0	0
GREAT AJAX CORP	COM	38983D300	143	10,212	SH	SOLE	1	10,212	0	0
GREAT LAKES DREDGE & DOCK CO	COM	390607109	428	38,754	SH	SOLE	1	38,754	0	0
GREAT SOUTHERN BANCORP INC	COM	390905107	421	7,041	SH	SOLE	1	7,041	0	0
GREAT WESTERN BANCORP INC	COM	391416104	1,532	42,876	SH	SOLE	1	42,876	0	0
GREEN BRICK PARTNERS INC	COM	392709101	128	15,462	SH	SOLE	1	15,462	0	0

GREEN DOT CORP CLASS A	COM	39304D102	6,076	124,244	SH	SOLE	1	124,244	0	0
GREEN PLAINS INC	COM	393222104	318	29,543	SH	SOLE	1	29,543	0	0
GREENBRIER COMPANIES INC	COM	393657101	733	24,112	SH	SOLE	1	24,112	0	0
GREENE COUNTY BANCORP INC	COM	394357107	62	2,103	SH	SOLE	1	2,103	0	0
GREENHILL & CO INC	COM	395259104	173	12,732	SH	SOLE	1	12,732	0	0
GREENLANE HOLDINGS INC A	COM	395330103	38	3,944	SH	SOLE	1	3,944	0	0
GREIF INC CL A	COM	397624107	3,218	98,865	SH	SOLE	1	98,865	0	0
GREIF INC CL B	COM	397624206	167	3,832	SH	SOLE	1	3,832	0	0
GRIFFIN INDUSTRIAL REALTY IN	COM	398231100	22	614	SH	SOLE	1	614	0	0
GRIFFON CORP	COM	398433102	459	27,149	SH	SOLE	1	27,149	0	0
GRITSTONE ONCOLOGY INC	COM	39868T105	177	15,846	SH	SOLE	1	15,846	0	0
GROUP 1 AUTOMOTIVE INC	COM	398905109	1,083	13,219	SH	SOLE	1	13,219	0	0
GROUPON INC	COM	399473107	1,028	287,282	SH	SOLE	1	287,282	0	0
GRUBHUB INC	COM	400110102	174	2,229	SH	SOLE	1	2,229	0	0
GRUPO FINANCIERO GALICIA ADR	ADR	399909100	46	1,291	SH	SOLE	1	1,291	0	0
GSI TECHNOLOGY INC	COM	36241U106	83	9,715	SH	SOLE	1	9,715	0	0
GTT COMMUNICATIONS INC	COM	362393100	372	21,155	SH	SOLE	1	21,155	0	0
GTY GOVTECH INC	COM	362409104	132	19,201	SH	SOLE	1	19,201	0	0
GUARANTY BANCSHARES INC	COM	400764106	163	5,234	SH	SOLE	1	5,234	0	0
GUARDANT HEALTH INC	COM	40131M109	72	838	SH	SOLE	1	838	0	0
GUESS INC	COM	401617105	681	42,145	SH	SOLE	1	42,145	0	0
GUIDEWIRE SOFTWARE INC	COM	40171V100	202	1,994	SH	SOLE	1	1,994	0	0
GULF ISLAND FABRICATION INC	COM	402307102	11	1,579	SH	SOLE	1	1,579	0	0
GULFPORT ENERGY CORP	COM	402635304	581	118,364	SH	SOLE	1	118,364	0	0
GWG HOLDINGS INC	COM	36192A109	8	1,157	SH	SOLE	1	1,157	0	0
H.B. FULLER CO.	COM	359694106	1,772	38,182	SH	SOLE	1	38,182	0	0
H&E EQUIPMENT SERVICES INC	COM	404030108	591	20,308	SH	SOLE	1	20,308	0	0
H&R BLOCK INC	COM	093671105	19,098	651,800	SH	SOLE	1	651,800	0	0
HABIT RESTAURANTS INC/THE A	COM	40449J103	137	13,090	SH	SOLE	1	13,090	0	0
HACKETT GROUP INC/THE	COM	404609109	261	15,547	SH	SOLE	1	15,547	0	0
HAEMONETICS CORP/MASS	COM	405024100	15,859	131,787	SH	SOLE	1	131,787	0	0
HAIN CELESTIAL GROUP INC	COM	405217100	3,833	175,019	SH	SOLE	1	175,019	0	0
HALLADOR ENERGY CO	COM	40609P105	73	12,926	SH	SOLE	1	12,926	0	0
HALLIBURTON CO	COM	406216101	6,861	301,712	SH	SOLE	1	301,712	0	0
HALLMARK FINL SERVICES INC	COM	40624Q203	118	8,307	SH	SOLE	1	8,307	0	0

HALOZYME THERAPEUTICS INC	COM	40637H109	1,564	91,022 SH	SOLE	1	91,022	0	0
HAMILTON BEACH BRAND A	COM	40701T104	81	4,252 SH	SOLE	1	4,252	0	0
HAMILTON LANE INC CLASS A	COM	407497106	791	13,858 SH	SOLE	1	13,858	0	0
HANCOCK WHITNEY CORP	COM	410120109	8,834	220,512 SH	SOLE	1	220,512	0	0
HANESBRANDS INC	COM	410345102	16,271	944,870 SH	SOLE	1	944,870	0	0
HANGER INC	COM	41043F208	441	23,037 SH	SOLE	1	23,037	0	0
HANMI FINANCIAL CORPORATION	COM	410495204	507	22,785 SH	SOLE	1	22,785	0	0
HANNON ARMSTRONG SUSTAINABLE	COM	41068X100	1,103	39,152 SH	SOLE	1	39,152	0	0
HANOVER INSURANCE GROUP INC/	COM	410867105	12,857	100,209 SH	SOLE	1	100,209	0	0
HARBORONE BANCORP INC	COM	41165F101	174	9,285 SH	SOLE	1	9,285	0	0
HARLEY DAVIDSON INC	COM	412822108	1,967	54,908 SH	SOLE	1	54,908	0	0
HARMONIC INC	COM	413160102	360	64,890 SH	SOLE	1	64,890	0	0
HARPOON THERAPEUTICS INC	COM	41358P106	49	3,771 SH	SOLE	1	3,771	0	0
HARSCO CORP	COM	415864107	1,639	59,726 SH	SOLE	1	59,726	0	0
HARTFORD FINANCIAL SVCS GRP	COM	416515104	6,954	124,796 SH	SOLE	1	124,796	0	0
HASBRO INC	COM	418056107	5,062	47,895 SH	SOLE	1	47,895	0	0
HAVERTY FURNITURE	COM	419596101	237	13,890 SH	SOLE	1	13,890	0	0
HAWAIIAN ELECTRIC INDS	COM	419870100	9,269	212,827 SH	SOLE	1	212,827	0	0
HAWAIIAN HOLDINGS INC	COM	419879101	981	35,771 SH	SOLE	1	35,771	0	0
HAWKINS INC	COM	420261109	316	7,289 SH	SOLE	1	7,289	0	0
HAWTHORN BANCSHARES INC	COM	420476103	96	3,598 SH	SOLE	1	3,598	0	0
HAYNES INTERNATIONAL INC	COM	420877201	297	9,325 SH	SOLE	1	9,325	0	0
HCA HEALTHCARE INC	COM	40412C101	15,323	113,360 SH	SOLE	1	113,360	0	0
HCI GROUP INC	COM	40416E103	198	4,897 SH	SOLE	1	4,897	0	0
HCP INC	COM	40414L109	5,116	159,964 SH	SOLE	1	159,964	0	0
HD SUPPLY HOLDINGS INC	COM	40416M105	1,285	31,897 SH	SOLE	1	31,897	0	0
HDFC BANK LTD ADR	ADR	40415F101	67	512 SH	SOLE	1	512	0	0
HEALTH INSURANCE INNOVATIO A	COM	42225K106	161	6,203 SH	SOLE	1	6,203	0	0
HEALTHCARE REALTY TRUST INC	COM	421946104	10,390	331,742 SH	SOLE	1	331,742	0	0
HEALTHCARE SERVICES GROUP	COM	421906108	5,786	190,821 SH	SOLE	1	190,821	0	0
HEALTHCARE TRUST OF AME CL A	COM	42225P501	91	3,300 SH	SOLE	1	3,300	0	0
HEALTHQUITY INC	COM	42226A107	9,468	144,770 SH	SOLE	1	144,770	0	0
HEALTHSTREAM INC	COM	42222N103	504	19,479 SH	SOLE	1	19,479	0	0
HEARTLAND EXPRESS INC	COM	422347104	626	34,621 SH	SOLE	1	34,621	0	0
HEARTLAND FINANCIAL USA INC	COM	42234Q102	933	20,853 SH	SOLE	1	20,853	0	0
HECLA MINING CO	COM	422704106	551	306,352 SH	SOLE	1	306,352	0	0

HEICO CORP	COM	422806109	128	953 SH	SOLE	1	953	0	0
HEICO CORP CLASS A	COM	422806208	193	1,865 SH	SOLE	1	1,865	0	0
HEIDRICK & STRUGGLES INTL	COM	422819102	424	14,145 SH	SOLE	1	14,145	0	0
HELIOS TECHNOLOGIES INC	COM	42328H109	865	18,628 SH	SOLE	1	18,628	0	0
HELIX ENERGY SOLUTIONS GROUP	COM	42330P107	916	106,169 SH	SOLE	1	106,169	0	0
HELMERICH & PAYNE	COM	423452101	1,928	38,092 SH	SOLE	1	38,092	0	0
HEMISPHERE MEDIA GRO	COM	42365Q103	12,508	968,149 SH	SOLE	2	968,149	0	0
HEMISPHERE MEDIA GROUP INC	COM	42365Q103	139	10,752 SH	SOLE	1	10,752	0	0
HENRY SCHEIN INC	COM	806407102	5,896	84,355 SH	SOLE	1	84,355	0	0
HERC HOLDINGS INC	COM	42704L104	702	15,328 SH	SOLE	1	15,328	0	0
HERITAGE COMMERCE CORP	COM	426927109	325	26,553 SH	SOLE	1	26,553	0	0
HERITAGE CRYSTAL CLEAN INC	COM	42726M106	251	9,552 SH	SOLE	1	9,552	0	0
HERITAGE FINANCIAL CORP	COM	42722X106	800	27,087 SH	SOLE	1	27,087	0	0
HERITAGE INSURANCE HOLDINGS	COM	42727J102	261	16,941 SH	SOLE	1	16,941	0	0
HERMAN MILLER INC	COM	600544100	6,769	151,427 SH	SOLE	1	151,427	0	0
HERON THERAPEUTICS INC	COM	427746102	872	46,929 SH	SOLE	1	46,929	0	0
HERSHA HOSPITALITY TRUST	COM	427825500	435	26,299 SH	SOLE	1	26,299	0	0
HERSHEY CO/THE	COM	427866108	20,238	150,996 SH	SOLE	1	150,996	0	0
HERTZ GLOBAL HOLDINGS INC	COM	42806J106	656	41,092 SH	SOLE	1	41,092	0	0
HERTZ GLOBAL HOLDINGS INC	RIGHTS	42806J114	66	34,065 SH	SOLE	1	34,065	0	0
HESKA CORP	COM	42805E306	443	5,205 SH	SOLE	1	5,205	0	0
HESS CORP	COM	42809H107	6,941	109,185 SH	SOLE	1	109,185	0	0
HEWLETT PACKARD ENTERPRISE	COM	42824C109	9,008	602,526 SH	SOLE	1	602,526	0	0
HEXCEL CORP	COM	428291108	164	2,025 SH	SOLE	1	2,025	0	0
HF FOODS GROUP INC	COM	40417F109	167	4,783 SH	SOLE	1	4,783	0	0
HFF INC CLASS A	COM	40418F108	1,313	28,864 SH	SOLE	1	28,864	0	0
HIBBETT SPORTS INC	COM	428567101	250	13,735 SH	SOLE	1	13,735	0	0
HIGHPOINT RESOURCES CORP	COM	43114K108	486	267,217 SH	SOLE	1	267,217	0	0
HIGHWOODS PROPERTIES INC	COM	431284108	8,366	202,566 SH	SOLE	1	202,566	0	0
HILL ROM HOLDINGS INC	COM	431475102	13,679	130,745 SH	SOLE	1	130,745	0	0
HILLENBRAND INC	COM	431571108	1,841	46,536 SH	SOLE	1	46,536	0	0
HILLTOP HOLDINGS INC	COM	432748101	981	46,110 SH	SOLE	1	46,110	0	0
HILTON GRAND VACATIONS INC	COM	43283X105	50	1,570 SH	SOLE	1	1,570	0	0
HILTON WORLDWIDE HOLDINGS IN	COM	43300A203	9,746	99,712 SH	SOLE	1	99,712	0	0
HINGHAM INSTITUTION FOR SVGS	COM	433323102	175	883 SH	SOLE	1	883	0	0
HMS HOLDINGS CORP	COM	40425J101	2,109	65,116 SH	SOLE	1	65,116	0	0
HNI CORP	COM	404251100	3,945	111,513 SH	SOLE	1	111,513	0	0

HOLLYFRONTIER CORP	COM	436106108	3,156	68,202	SH	SOLE	1	68,202	0	0
HOLOGIC INC	COM	436440101	4,615	96,106	SH	SOLE	1	96,106	0	0
HOME BANCORP INC	COM	43689E107	190	4,947	SH	SOLE	1	4,947	0	0
HOME BANCSHARES INC	COM	436893200	9,253	480,446	SH	SOLE	1	480,446	0	0
HOME DEPOT INC	COM	437076102	96,674	464,844	SH	SOLE	1	464,844	0	0
HOMESTREET INC	COM	43785V102	560	18,878	SH	SOLE	1	18,878	0	0
HOMETRUST BANCSHARES INC	COM	437872104	258	10,245	SH	SOLE	1	10,245	0	0
HOMOLOGY MEDICINES INC	COM	438083107	303	15,460	SH	SOLE	1	15,460	0	0
HONEYWELL INTERNATIONAL INC	COM	438516106	48,744	279,190	SH	SOLE	1	279,190	0	0
HOOKER FURNITURE CORP	COM	439038100	152	7,392	SH	SOLE	1	7,392	0	0
HOOKIPA PHARMA INC	COM	43906K100	9	1,328	SH	SOLE	1	1,328	0	0
HOPE BANCORP INC	COM	43940T109	2,692	195,322	SH	SOLE	1	195,322	0	0
HORACE MANN EDUCATORS	COM	440327104	1,248	30,987	SH	SOLE	1	30,987	0	0
HORIZON BANCORP INC/IN	COM	440407104	388	23,732	SH	SOLE	1	23,732	0	0
HORMEL FOODS CORP	COM	440452100	4,781	117,927	SH	SOLE	1	117,927	0	0
HOSPITALITY PROPERTIES TRUST	COM	44106M102	8,031	321,251	SH	SOLE	1	321,251	0	0
HOST HOTELS & RESORTS INC	COM	44107P104	4,791	262,959	SH	SOLE	1	262,959	0	0
HOSTESS BRANDS INC	COM	44109J106	920	63,689	SH	SOLE	1	63,689	0	0
HOUGHTON MIFFLIN HARCOURT CO	COM	44157R109	382	66,391	SH	SOLE	1	66,391	0	0
HOULIHAN LOKEY INC	COM	441593100	953	21,407	SH	SOLE	1	21,407	0	0
HOWARD BANCORP INC	COM	442496105	124	8,193	SH	SOLE	1	8,193	0	0
HOWARD HUGHES CORP/THE	COM	44267D107	93	751	SH	SOLE	1	751	0	0
HP INC	COM	40434L105	316,738	15,235,119	SH	SOLE	1	15,235,119	0	0
HUAZHU GROUP LTD ADR	ADR	44332N106	65	1,800	SH	SOLE	1	1,800	0	0
HUB GROUP INC CL A	COM	443320106	1,044	24,862	SH	SOLE	1	24,862	0	0
HUBBELL INC	COM	443510607	13,919	106,741	SH	SOLE	1	106,741	0	0
HUBSPOT INC	COM	443573100	166	973	SH	SOLE	1	973	0	0
HUDSON PACIFIC PROPERTIES IN	COM	444097109	82	2,460	SH	SOLE	1	2,460	0	0
HUMANA INC	COM	444859102	15,334	57,797	SH	SOLE	1	57,797	0	0
HUNT (JB) TRANSPRT SVCS INC	COM	445658107	3,313	36,248	SH	SOLE	1	36,248	0	0
HUNTINGTON BANCSHARES INC	COM	446150104	6,048	437,632	SH	SOLE	1	437,632	0	0
HUNTINGTON INGALLS INDUSTRIE	COM	446413106	3,281	14,597	SH	SOLE	1	14,597	0	0
HUNTSMAN CORP	COM	447011107	74	3,616	SH	SOLE	1	3,616	0	0
HURCO COMPANIES INC	COM	447324104	144	4,037	SH	SOLE	1	4,037	0	0
HURON CONSULTING GROUP INC	COM	447462102	718	14,259	SH	SOLE	1	14,259	0	0
HUTCHISON CHINA MEDITECH ADR	ADR	44842L103	13	600	SH	SOLE	1	600	0	0
HYATT HOTELS CORP CL A	COM	448579102	47	612	SH	SOLE	1	612	0	0

HYSTER YALE MATERIALS	COM	449172105	355	6,433	SH	SOLE	1	6,433	0	0
B VERTICALS INC CLASS A	COM	46571Y107	173	5,871	SH	SOLE	1	5,871	0	0
IAA INC	COM	449253103	1,373	35,410	SH	SOLE	1	35,410	0	0
IAC/INTERACTIVECORP	COM	44919P508	340	1,561	SH	SOLE	1	1,561	0	0
IBERIABANK CORP	COM	450828108	2,602	34,306	SH	SOLE	1	34,306	0	0
ICF INTERNATIONAL INC	COM	44925C103	840	11,540	SH	SOLE	1	11,540	0	0
ICICI BANK LTD SPON ADR	ADR	45104G104	199	15,774	SH	SOLE	1	15,774	0	0
ICU MEDICAL INC	COM	44930G107	8,240	32,711	SH	SOLE	1	32,711	0	0
IDACORP INC	COM	451107106	9,886	98,438	SH	SOLE	1	98,438	0	0
IDEANOMICS INC	COM	45166V106	80	32,524	SH	SOLE	1	32,524	0	0
IDEX CORP	COM	45167R104	25,515	148,224	SH	SOLE	1	148,224	0	0
IDEXX LABORATORIES INC	COM	45168D104	10,362	37,635	SH	SOLE	1	37,635	0	0
IDT CORP CLASS B	COM	448947507	100	10,589	SH	SOLE	1	10,589	0	0
IES HOLDINGS INC	COM	44951W106	99	5,248	SH	SOLE	1	5,248	0	0
II VI INC	COM	902104108	1,710	46,767	SH	SOLE	1	46,767	0	0
ILLINOIS TOOL WORKS	COM	452308109	19,342	128,251	SH	SOLE	1	128,251	0	0
ILLUMINA INC	COM	452327109	22,666	61,567	SH	SOLE	1	61,567	0	0
IMAX CORP	COM	45245E109	672	33,265	SH	SOLE	1	33,265	0	0
IMMERSION CORPORATION	COM	452521107	151	19,824	SH	SOLE	1	19,824	0	0
IMMUNOGEN INC	COM	45253H101	200	92,218	SH	SOLE	1	92,218	0	0
IMMUNOMEDICS INC	COM	452907108	1,544	111,291	SH	SOLE	1	111,291	0	0
IMPINJ INC	COM	453204109	269	9,394	SH	SOLE	1	9,394	0	0
INCYTE CORP	COM	45337C102	6,907	81,302	SH	SOLE	1	81,302	0	0
INDEPENDENCE CONTRACT DRILLI	COM	453415309	48	30,515	SH	SOLE	1	30,515	0	0
INDEPENDENCE HOLDING CO	COM	453440307	122	3,158	SH	SOLE	1	3,158	0	0
INDEPENDENCE REALTY TRUST IN	COM	45378A106	781	67,459	SH	SOLE	1	67,459	0	0
INDEPENDENT BANK CORP MICH	COM	453838609	313	14,355	SH	SOLE	1	14,355	0	0
INDEPENDENT BANK CORP/MA	COM	453836108	1,906	25,026	SH	SOLE	1	25,026	0	0
INDEPENDENT BANK GROUP INC	COM	45384B106	1,267	23,053	SH	SOLE	1	23,053	0	0
INDUSTRIAL LOGISTICS PROP WI	COM	456237106	858	41,221	SH	SOLE	1	41,221	0	0
INFINERA CORP	COM	45667G103	325	111,564	SH	SOLE	1	111,564	0	0
INFORMATION SERVICES GROUP	COM	45675Y104	69	21,929	SH	SOLE	1	21,929	0	0
INFOSYS LTD SP ADR	ADR	456788108	519	48,463	SH	SOLE	1	48,463	0	0
INGEVITY CORP	COM	45688C107	11,339	107,816	SH	SOLE	1	107,816	0	0
INGLES MARKETS INC CLASS A	COM	457030104	280	8,996	SH	SOLE	1	8,996	0	0
INGREDION INC	COM	457187102	11,708	141,937	SH	SOLE	1	141,937	0	0
INNERWORKINGS INC	COM	45773Y105	107	28,070	SH	SOLE	1	28,070	0	0
INNOPHOS HOLDINGS INC	COM	45774N108	428	14,710	SH	SOLE	1	14,710	0	0
INNOSPEC INC	COM	45768S105	1,665	18,247	SH	SOLE	1	18,247	0	0

INNOVATIVE INDUSTRIAL PROPER	COM	45781V101	875	7,079	SH	SOLE	1	7,079	0	0
INNOVIVA INC	COM	45781M101	704	48,346	SH	SOLE	1	48,346	0	0
INOGEN INC	COM	45780L104	3,102	46,459	SH	SOLE	1	46,459	0	0
INOVALON HOLDINGS INC A	COM	45781D101	649	44,750	SH	SOLE	1	44,750	0	0
INOVIO PHARMACEUTICALS INC	COM	45773H201	172	58,352	SH	SOLE	1	58,352	0	0
INPHI CORP	COM	45772F107	1,432	28,588	SH	SOLE	1	28,588	0	0
INSEGO CORP	COM	45782B104	136	28,334	SH	SOLE	1	28,334	0	0
INSIGHT ENTERPRISES INC	COM	45765U103	1,549	26,612	SH	SOLE	1	26,612	0	0
INSMED INC	COM	457669307	1,262	49,295	SH	SOLE	1	49,295	0	0
INSPERITY INC	COM	45778Q107	11,895	97,387	SH	SOLE	1	97,387	0	0
INSPIRE MEDICAL SYSTEMS INC	COM	457730109	514	8,470	SH	SOLE	1	8,470	0	0
INSPIRED ENTERTAINMENT INC	COM	45782N108	48	5,625	SH	SOLE	1	5,625	0	0
INSTALLED BUILDING PRODUCTS	COM	45780R101	995	16,796	SH	SOLE	1	16,796	0	0
INSTEEL INDUSTRIES INC	COM	45774W108	288	13,813	SH	SOLE	1	13,813	0	0
INSTRUCTURE INC	COM	45781U103	909	21,397	SH	SOLE	1	21,397	0	0
INSULET CORP	COM	45784P101	173	1,451	SH	SOLE	1	1,451	0	0
INTEGER HOLDINGS CORP	COM	45826H109	2,021	24,086	SH	SOLE	1	24,086	0	0
INTEGRA LIFESCIENCES HOLDING	COM	457985208	7,741	138,611	SH	SOLE	1	138,611	0	0
INTEL CORP	COM	458140100	87,051	1,818,494	SH	SOLE	1	1,818,494	0	0
INTELLIA THERAPEUTICS INC	COM	45826J105	379	23,149	SH	SOLE	1	23,149	0	0
INTELLIGENT SYSTEMS CORP	COM	45816D100	125	4,335	SH	SOLE	1	4,335	0	0
INTER PARFUMS INC	COM	458334109	875	13,164	SH	SOLE	1	13,164	0	0
INTERACTIVE BROKERS GRO CL A	COM	45841N107	7,958	146,824	SH	SOLE	1	146,824	0	0
INTERCEPT PHARMACEUTICALS IN	COM	45845P108	1,253	15,744	SH	SOLE	1	15,744	0	0
INTERCONTINENTAL EXCHANGE IN	COM	45866F104	20,493	238,460	SH	SOLE	1	238,460	0	0
INTERDIGITAL INC	COM	45867G101	5,260	81,684	SH	SOLE	1	81,684	0	0
INTERFACE INC	COM	458665304	684	44,608	SH	SOLE	1	44,608	0	0
INTERNATIONAL BANCSHARES CRP	COM	459044103	5,315	140,944	SH	SOLE	1	140,944	0	0
INTERNATIONAL MONEY EXPRESS	COM	46005L101	116	8,236	SH	SOLE	1	8,236	0	0
INTERNATIONAL PAPER CO	COM	460146103	7,282	168,095	SH	SOLE	1	168,095	0	0
INTERPUBLIC GROUP OF COS INC	COM	460690100	16,521	731,363	SH	SOLE	1	731,363	0	0
INTERSECT ENT INC	COM	46071F103	445	19,530	SH	SOLE	1	19,530	0	0
INTL BUSINESS MACHINES CORP	COM	459200101	401,281	2,909,945	SH	SOLE	1	2,909,945	0	0
INTL FCSTONE INC	COM	46116V105	474	11,971	SH	SOLE	1	11,971	0	0
INTL FLAVORS & FRAGRANCES	COM	459506101	5,587	38,510	SH	SOLE	1	38,510	0	0
INTL SPEEDWAY CORP CL A	COM	460335201	2,744	61,126	SH	SOLE	1	61,126	0	0

INTRA CELLULAR THERAPIES INC	COM	46116X101	368	28,315	SH	SOLE	1	28,315	0	0
INTREPID POTASH INC	COM	46121Y102	204	60,622	SH	SOLE	1	60,622	0	0
INTREXON CORP	COM	46122T102	350	45,628	SH	SOLE	1	45,628	0	0
INTRICON CORP	COM	46121H109	122	5,218	SH	SOLE	1	5,218	0	0
INTUIT INC	COM	461202103	28,577	109,354	SH	SOLE	1	109,354	0	0
INTUITIVE SURGICAL INC	COM	46120E602	22,970	43,790	SH	SOLE	1	43,790	0	0
INVACARE CORP	COM	461203101	131	25,229	SH	SOLE	1	25,229	0	0
INVESCO MORTGAGE CAPITAL	COM	46131B100	1,562	96,915	SH	SOLE	1	96,915	0	0
INVESTAR HOLDING CORP	COM	46134L105	141	5,917	SH	SOLE	1	5,917	0	0
INVESTORS BANCORP INC	COM	46146L101	1,635	146,648	SH	SOLE	1	146,648	0	0
INVESTORS REAL ESTATE TRUST	COM	461730509	440	7,492	SH	SOLE	1	7,492	0	0
INVESTORS TITLE CO	COM	461804106	148	887	SH	SOLE	1	887	0	0
INVITAE CORP	COM	46185L103	1,295	55,099	SH	SOLE	1	55,099	0	0
INVITATION HOMES INC	COM	46187W107	183	6,847	SH	SOLE	1	6,847	0	0
IONIS PHARMACEUTICALS INC	COM	462222100	201	3,129	SH	SOLE	1	3,129	0	0
IOVANCE BIOTHERAPEUTICS INC	COM	462260100	1,788	72,919	SH	SOLE	1	72,919	0	0
IPG PHOTONICS CORP	COM	44980X109	1,899	12,312	SH	SOLE	1	12,312	0	0
IQIYI INC ADR	ADR	46267X108	31	1,500	SH	SOLE	1	1,500	0	0
IQVIA HOLDINGS INC	COM	46266C105	10,385	64,546	SH	SOLE	1	64,546	0	0
IRADIMED CORP	COM	46266A109	57	2,803	SH	SOLE	1	2,803	0	0
IRHYTHM TECHNOLOGIES INC	COM	450056106	1,244	15,735	SH	SOLE	1	15,735	0	0
IRIDIUM COMMUNICATIONS INC	COM	46269C102	1,720	73,927	SH	SOLE	1	73,927	0	0
IROBOT CORP	COM	462726100	1,892	20,648	SH	SOLE	1	20,648	0	0
IRON MOUNTAIN INC	COM	46284V101	4,282	136,802	SH	SOLE	1	136,802	0	0
IRONWOOD PHARMACEUTICALS INC	COM	46333X108	1,069	97,723	SH	SOLE	1	97,723	0	0
ISHARES 1 3 YEAR TREASURY BOND	1 3 YR TREAS BD	464287457	14,675	173,100	SH	SOLE	1	173,100	0	0
ISHARES 10 20 YEAR TREASURY BO	10-20 YR TRS ETF	464288653	2,648	18,500	SH	SOLE	1	18,500	0	0
ISHARES 20 YEAR TREASURY BOND	20 YR TR BD ETF	464287432	3,413	25,700	SH	SOLE	1	25,700	0	0
ISHARES 3 7 YEAR TREASURY BOND	3 7 YR TREAS BD	464288661	16,298	129,600	SH	SOLE	1	129,600	0	0
ISHARES 7 10 YEAR TREASURY BON	BARCLAYS 7 10 YR	464287440	4,137	37,600	SH	SOLE	1	37,600	0	0
ISHARES CORE S&P SMALL CAP ETF	CORE S&P SCP ETF	464287804	934	11,931	SH	SOLE	1	11,931	0	0
ISHARES IBOXX INVESTMENT GRA	IBOXX INV CP ETF	464287242	17,785	143,000	SH	SOLE	1	143,000	0	0
ISHARES MSCI EAFE ETF	MSCI EAFE ETF	464287465	69,207	1,052,900	SH	SOLE	1	1,052,900	0	0
ISHARES MSCI EMERGING MARKETS	MSCI EMG MKT ETF	464287234	3,644	84,917	SH	SOLE	1	84,917	0	0
ISHARES MSCI INDIA ETF	MSCI INDIA ETF	46429B598	4,179	118,386	SH	SOLE	1	118,386	0	0
ISHARES RUSSELL 2000 ETF	RUSSELL 2000 ETF	464287655	9,503	61,114	SH	SOLE	1	61,114	0	0

ISHARES RUSSELL MID CAP GROWTH	RUS MD CP GR ETF	464287481	1,311	9,194	SH	SOLE	1	9,194	0	0
ISHARES RUSSELL MID CAP VALUE	RUS MDCP VAL ETF	464287473	2,239	25,125	SH	SOLE	1	25,125	0	0
ISHARES S&P 500 GROWTH ETF	S&P 500 GRWT ETF	464287309	1,058	5,904	SH	SOLE	1	5,904	0	0
ISHARES S&P 500 VALUE ETF	S&P 500 VAL ETF	464287408	9,085	77,940	SH	SOLE	1	77,940	0	0
ISRAMCO INC	COM	465141406	56	470	SH	SOLE	1	470	0	0
ISTAR INC	COM	45031U101	580	46,690	SH	SOLE	1	46,690	0	0
ITERIS INC	COM	46564T107	93	17,946	SH	SOLE	1	17,946	0	0
ITRON INC	COM	465741106	1,603	25,619	SH	SOLE	1	25,619	0	0
ITT INC	COM	45073V108	11,232	171,540	SH	SOLE	1	171,540	0	0
J & J SNACK FOODS CORP	COM	466032109	1,824	11,330	SH	SOLE	1	11,330	0	0
J ALEXANDER S HOLDINGS	COM	46609J106	92	8,164	SH	SOLE	1	8,164	0	0
J. JILL INC	COM	46620W102	21	10,718	SH	SOLE	1	10,718	0	0
J.C. PENNEY CO INC	COM	708160106	272	238,390	SH	SOLE	1	238,390	0	0
J2 GLOBAL INC	COM	48123V102	10,644	119,739	SH	SOLE	1	119,739	0	0
JABIL INC	COM	466313103	8,602	272,230	SH	SOLE	1	272,230	0	0
JACK HENRY & ASSOCIATES INC	COM	426281101	3,591	26,815	SH	SOLE	1	26,815	0	0
JACK IN THE BOX INC	COM	466367109	5,406	66,426	SH	SOLE	1	66,426	0	0
JACOBS ENGINEERING GROUP INC	COM	469814107	3,367	39,897	SH	SOLE	1	39,897	0	0
JAGGED PEAK ENERGY INC	COM	47009K107	344	41,649	SH	SOLE	1	41,649	0	0
JBG SMITH PROPERTIES	COM	46590V100	9,277	235,814	SH	SOLE	1	235,814	0	0
JD.COM INC ADR	ADR	47215P106	2,015	66,530	SH	SOLE	1	66,530	0	0
JEFFERIES FINANCIAL GROUP IN	COM	47233W109	4,929	256,329	SH	SOLE	1	256,329	0	0
JELD WEN HOLDING INC	COM	47580P103	912	42,948	SH	SOLE	1	42,948	0	0
JERNIGAN CAPITAL INC	COM	476405105	272	13,250	SH	SOLE	1	13,250	0	0
JETBLUE AIRWAYS CORP	COM	477143101	10,876	588,190	SH	SOLE	1	588,190	0	0
JM SMUCKER CO/THE	COM	832696405	5,272	45,767	SH	SOLE	1	45,767	0	0
JOHN B. SANFILIPPO & SON INC	COM	800422107	517	6,487	SH	SOLE	1	6,487	0	0
JOHN BEAN TECHNOLOGIES CORP	COM	477839104	2,839	23,438	SH	SOLE	1	23,438	0	0
JOHNSON & JOHNSON	COM	478160104	136,982	983,501	SH	SOLE	1	983,501	0	0
JOHNSON OUTDOORS INC A	COM	479167108	234	3,137	SH	SOLE	1	3,137	0	0
JOINT CORP/THE	COM	47973J102	151	8,303	SH	SOLE	1	8,303	0	0
JONES LANG LASALLE INC	COM	48020Q107	13,412	95,328	SH	SOLE	1	95,328	0	0
JOUNCE THERAPEUTICS INC	COM	481116101	51	10,288	SH	SOLE	1	10,288	0	0
JPMORGAN CHASE & CO	COM	46625H100	492,538	4,405,529	SH	SOLE	1	4,405,529	0	0
JUNIPER NETWORKS INC	COM	48203R104	3,165	118,842	SH	SOLE	1	118,842	0	0
K12 INC	COM	48273U102	746	24,520	SH	SOLE	1	24,520	0	0
KADANT INC	COM	48282T104	634	6,987	SH	SOLE	1	6,987	0	0
KADMON HOLDINGS INC	COM	48283N106	171	82,786	SH	SOLE	1	82,786	0	0

KAISER ALUMINUM CORP	COM	483007704	1,172	12,008 SH	SOLE	1	12,008	0	0
KALA PHARMACEUTICALS INC	COM	483119103	89	13,885 SH	SOLE	1	13,885	0	0
KALEIDO BIOSCIENCES INC	COM	483347100	37	3,207 SH	SOLE	1	3,207	0	0
KALVISTA PHARMACEUTICALS INC	COM	483497103	164	7,421 SH	SOLE	1	7,421	0	0
KAMAN CORP	COM	483548103	1,324	20,782 SH	SOLE	1	20,782	0	0
KANSAS CITY SOUTHERN	COM	485170302	4,173	34,255 SH	SOLE	1	34,255	0	0
KAR AUCTION SERVICES INC	COM	48238T109	885	35,410 SH	SOLE	1	35,410	0	0
KARYOPHARM THERAPEUTICS INC	COM	48576U106	220	36,723 SH	SOLE	1	36,723	0	0
KB HOME	COM	48666K109	5,602	217,718 SH	SOLE	1	217,718	0	0
KBR INC	COM	48242W106	9,082	364,161 SH	SOLE	1	364,161	0	0
KEANE GROUP INC	COM	48669A108	227	33,749 SH	SOLE	1	33,749	0	0
KEARNY FINANCIAL CORP/MD	COM	48716P108	704	52,974 SH	SOLE	1	52,974	0	0
KELLOGG CO	COM	487836108	6,290	117,419 SH	SOLE	1	117,419	0	0
KELLY SERVICES INC A	COM	488152208	645	24,613 SH	SOLE	1	24,613	0	0
KEMET CORP	COM	488360207	805	42,808 SH	SOLE	1	42,808	0	0
KEMPER CORP	COM	488401100	10,543	122,177 SH	SOLE	1	122,177	0	0
KENNAMETAL INC	COM	489170100	7,837	211,863 SH	SOLE	1	211,863	0	0
KENNEDY WILSON HOLDINGS INC	COM	489398107	1,605	78,035 SH	SOLE	1	78,035	0	0
KEYCORP	COM	493267108	7,518	423,544 SH	SOLE	1	423,544	0	0
KEYSIGHT TECHNOLOGIES IN	COM	49338L103	5,793	64,506 SH	SOLE	1	64,506	0	0
KEZAR LIFE SCIENCES INC	COM	49372L100	76	9,891 SH	SOLE	1	9,891	0	0
KFORCE INC	COM	493732101	504	14,376 SH	SOLE	1	14,376	0	0
KILROY REALTY CORP	COM	49427F108	14,559	197,247 SH	SOLE	1	197,247	0	0
KIMBALL ELECTRONICS INC	COM	49428J109	253	15,602 SH	SOLE	1	15,602	0	0
KIMBALL INTERNATIONAL B	COM	494274103	395	22,679 SH	SOLE	1	22,679	0	0
KIMBERLY CLARK CORP	COM	494368103	16,893	126,745 SH	SOLE	1	126,745	0	0
KIMCO REALTY CORP	COM	49446R109	2,687	145,417 SH	SOLE	1	145,417	0	0
KINDER MORGAN INC	COM	49456B101	17,542	840,117 SH	SOLE	1	840,117	0	0
KINDRED BIOSCIENCES INC	COM	494577109	196	23,552 SH	SOLE	1	23,552	0	0
KINSALE CAPITAL GROUP INC	COM	49714P108	1,144	12,507 SH	SOLE	1	12,507	0	0
KIRBY CORP	COM	497266106	8,328	105,418 SH	SOLE	1	105,418	0	0
KIRKLAND S INC	COM	497498105	4	1,613 SH	SOLE	1	1,613	0	0
KITE REALTY GROUP TRUST	COM	49803T300	942	62,256 SH	SOLE	1	62,256	0	0
KKR REAL ESTATE FINANCE TRUS	COM	48251K100	320	16,059 SH	SOLE	1	16,059	0	0
KLA TENCOR CORP	COM	482480100	469,152	3,969,137 SH	SOLE	1	3,969,137	0	0
KLX ENERGY SERVICES HOLDING	COM	48253L106	324	15,873 SH	SOLE	1	15,873	0	0
KNIGHT SWIFT TRANSPORTATION	COM	499049104	8,766	266,940 SH	SOLE	1	266,940	0	0

KNOLL INC	COM	498904200	716	31,179	SH	SOLE	1	31,179	0	0
KNOWLES CORP	COM	49926D109	1,137	62,083	SH	SOLE	1	62,083	0	0
KODIAK SCIENCES INC	COM	50015M109	175	14,992	SH	SOLE	1	14,992	0	0
KOHL'S CORP	COM	500255104	2,661	55,954	SH	SOLE	1	55,954	0	0
KONTOOR BRANDS INC	COM	50050N103	937	33,420	SH	SOLE	1	33,420	0	0
KOPIN CORP	COM	500600101	8	7,665	SH	SOLE	1	7,665	0	0
KOPPERS HOLDINGS INC	COM	50060P106	420	14,318	SH	SOLE	1	14,318	0	0
KORN FERRY	COM	500643200	1,695	42,306	SH	SOLE	1	42,306	0	0
KOSMOS ENERGY LTD	COM	500688106	37	5,862	SH	SOLE	1	5,862	0	0
KRAFT HEINZ CO/THE	COM	500754106	218,225	7,030,455	SH	SOLE	1	7,030,455	0	0
KRATON CORP	COM	50077C106	732	23,550	SH	SOLE	1	23,550	0	0
KRATOS DEFENSE & SECURITY	COM	50077B207	1,312	57,307	SH	SOLE	1	57,307	0	0
KROGER CO	COM	501044101	7,296	336,051	SH	SOLE	1	336,051	0	0
KRONOS WORLDWIDE INC	COM	50105F105	221	14,404	SH	SOLE	1	14,404	0	0
KRYSTAL BIOTECH INC	COM	501147102	224	5,572	SH	SOLE	1	5,572	0	0
KULICKE & SOFFA INDUSTRIES	COM	501242101	167	7,405	SH	SOLE	1	7,405	0	0
KURA ONCOLOGY INC	COM	50127T109	363	18,428	SH	SOLE	1	18,428	0	0
KVH INDUSTRIES INC	COM	482738101	112	10,312	SH	SOLE	1	10,312	0	0
L BRANDS INC	COM	501797104	286,002	10,957,938	SH	SOLE	1	10,957,938	0	0
L3 TECHNOLOGIES INC	COM	502413107	6,288	25,646	SH	SOLE	1	25,646	0	0
LA JOLLA PHARMACEUTICAL CO	COM	503459604	122	13,170	SH	SOLE	1	13,170	0	0
LA Z BOY INC	COM	505336107	1,038	33,842	SH	SOLE	1	33,842	0	0
LABORATORY CRP OF AMER HLDGS	COM	50540R409	8,540	49,392	SH	SOLE	1	49,392	0	0
LADDER CAPITAL CORP REIT	COM	505743104	1,087	65,469	SH	SOLE	1	65,469	0	0
LADENBURG THALMANN FINANCIAL	COM	50575Q102	259	75,536	SH	SOLE	1	75,536	0	0
LAKELAND BANCORP INC	COM	511637100	500	30,989	SH	SOLE	1	30,989	0	0
LAKELAND FINANCIAL CORP	COM	511656100	734	15,669	SH	SOLE	1	15,669	0	0
LAM RESEARCH CORP	COM	512807108	480,137	2,556,098	SH	SOLE	1	2,556,098	0	0
LAMAR ADVERTISING CO A	COM	512816109	16,504	204,488	SH	SOLE	1	204,488	0	0
LAMB WESTON HOLDINGS INC	COM	513272104	3,421	53,992	SH	SOLE	1	53,992	0	0
LANCASTER COLONY CORP	COM	513847103	7,409	49,859	SH	SOLE	1	49,859	0	0
LANDEC CORP	COM	514766104	146	15,542	SH	SOLE	1	15,542	0	0
LANDS END INC	COM	51509F105	83	6,754	SH	SOLE	1	6,754	0	0
LANDSTAR SYSTEM INC	COM	515098101	8,505	78,760	SH	SOLE	1	78,760	0	0
LANNETT CO INC	COM	516012101	145	24,000	SH	SOLE	1	24,000	0	0
LANTHEUS HOLDINGS INC	COM	516544103	812	28,683	SH	SOLE	1	28,683	0	0
LAREDO PETROLEUM INC	COM	516806106	384	132,244	SH	SOLE	1	132,244	0	0
LAS VEGAS SANDS CORP	COM	517834107	363,181	6,146,238	SH	SOLE	1	6,146,238	0	0

LATTICE SEMICONDUCTOR CORP	COM	518415104	1,157	79,299 SH	SOLE	1	79,299	0	0
LAUREATE EDUCATION INC A	COM	518613203	1,854	118,004 SH	SOLE	1	118,004	0	0
LAWSON PRODUCTS INC	COM	520776105	98	2,656 SH	SOLE	1	2,656	0	0
LCI INDUSTRIES	COM	50189K103	1,653	18,367 SH	SOLE	1	18,367	0	0
LCNB CORPORATION	COM	50181P100	151	7,936 SH	SOLE	1	7,936	0	0
LEAF GROUP LTD	COM	52177G102	81	10,990 SH	SOLE	1	10,990	0	0
LEAR CORP	COM	521865204	1,112	7,982 SH	SOLE	1	7,982	0	0
LEE ENTERPRISES	COM	523768109	77	34,045 SH	SOLE	1	34,045	0	0
LEGACY HOUSING CORP	COM	52472M101	37	2,965 SH	SOLE	1	2,965	0	0
LEGACYTEXAS FINANCIAL GROUP	COM	52471Y106	1,456	35,774 SH	SOLE	1	35,774	0	0
LEGG MASON INC	COM	524901105	11,288	294,873 SH	SOLE	1	294,873	0	0
LEGGETT & PLATT INC	COM	524660107	1,739	45,320 SH	SOLE	1	45,320	0	0
LEIDOS HOLDINGS INC	COM	525327102	22,488	281,627 SH	SOLE	1	281,627	0	0
LEMAITRE VASCULAR INC	COM	525558201	339	12,104 SH	SOLE	1	12,104	0	0
LENDINGCLUB CORP	COM	52603A109	1,556	474,486 SH	SOLE	1	474,486	0	0
LENDINGTREE INC	COM	52603B107	6,158	14,661 SH	SOLE	1	14,661	0	0
LENNAR CORP B SHS	COM	526057302	12	307 SH	SOLE	1	307	0	0
LENNAR CORP A	COM	526057104	5,621	115,985 SH	SOLE	1	115,985	0	0
LENNOX INTERNATIONAL INC	COM	526107107	19,039	69,231 SH	SOLE	1	69,231	0	0
LEVEL ONE BANCORP INC	COM	52730D208	82	3,272 SH	SOLE	1	3,272	0	0
LEXICON PHARMACEUTICALS INC	COM	528872302	166	26,390 SH	SOLE	1	26,390	0	0
LEXINGTON REALTY TRUST	COM	529043101	1,595	169,510 SH	SOLE	1	169,510	0	0
LGI HOMES INC	COM	50187T106	1,063	14,880 SH	SOLE	1	14,880	0	0
LHC GROUP INC	COM	50187A107	2,688	22,478 SH	SOLE	1	22,478	0	0
LIBERTY BROADBAND A	COM	530307107	41	398 SH	SOLE	1	398	0	0
LIBERTY BROADBAND C	COM	530307305	178	1,710 SH	SOLE	1	1,710	0	0
LIBERTY EXPEDIA HOLD A	COM	53046P109	1,656	34,660 SH	SOLE	1	34,660	0	0
LIBERTY MEDIA COR SIRIUSXM A	COM	531229409	52	1,368 SH	SOLE	1	1,368	0	0
LIBERTY MEDIA COR SIRIUSXM C	COM	531229607	96	2,527 SH	SOLE	1	2,527	0	0
LIBERTY MEDIA CORP BRAVES A	COM	531229706	176	6,324 SH	SOLE	1	6,324	0	0
LIBERTY MEDIA CORP BRAVES C	COM	531229888	641	22,916 SH	SOLE	1	22,916	0	0
LIBERTY MEDIA CORP LIBERTY A	COM	531229870	14	403 SH	SOLE	1	403	0	0
LIBERTY MEDIA CORP LIBERTY C	COM	531229854	120	3,200 SH	SOLE	1	3,200	0	0
LIBERTY OILFIELD SERVICES A	COM	53115L104	460	28,443 SH	SOLE	1	28,443	0	0
LIBERTY PROPERTY TRUST	COM	531172104	14,496	289,692 SH	SOLE	1	289,692	0	0
LIBERTY TRIPADVISOR HDG A	COM	531465102	573	46,175 SH	SOLE	1	46,175	0	0
LIFE STORAGE INC	COM	53223X107	8,662	91,107 SH	SOLE	1	91,107	0	0

LIFETIME BRANDS INC	COM	53222Q103	70	7,424 SH	SOLE	1	7,424	0	0
LIFEVANTAGE CORP	COM	53222K205	115	8,886 SH	SOLE	1	8,886	0	0
LIGAND PHARMACEUTICALS	COM	53220K504	5,721	50,118 SH	SOLE	1	50,118	0	0
LIMELIGHT NETWORKS INC	COM	53261M104	192	71,203 SH	SOLE	1	71,203	0	0
LIMONEIRA CO	COM	532746104	198	9,944 SH	SOLE	1	9,944	0	0
LINCOLN ELECTRIC HOLDINGS	COM	533900106	10,135	123,123 SH	SOLE	1	123,123	0	0
LINCOLN NATIONAL CORP	COM	534187109	5,416	84,037 SH	SOLE	1	84,037	0	0
LINDBLAD EXPEDITIONS HOLDING	COM	535219109	262	14,597 SH	SOLE	1	14,597	0	0
LINDSAY CORP	COM	535555106	665	8,094 SH	SOLE	1	8,094	0	0
LIONS GATE ENTERTAINMENT A	COM	535919401	10	814 SH	SOLE	1	814	0	0
LIONS GATE ENTERTAINMENT B	COM	535919500	19	1,652 SH	SOLE	1	1,652	0	0
LIQUIDIA TECHNOLOGIES INC	COM	53635D202	68	8,535 SH	SOLE	1	8,535	0	0
LIQUIDITY SERVICES INC	COM	53635B107	125	20,469 SH	SOLE	1	20,469	0	0
LITHIA MOTORS INC CL A	COM	536797103	1,974	16,622 SH	SOLE	1	16,622	0	0
LITTELFUSE INC	COM	537008104	8,544	48,298 SH	SOLE	1	48,298	0	0
LIVE NATION ENTERTAINMENT IN	COM	538034109	18,138	273,785 SH	SOLE	1	273,785	0	0
LIVE OAK BANCSHARES INC	COM	53803X105	278	16,194 SH	SOLE	1	16,194	0	0
LIVENT CORP	COM	53814L108	760	109,898 SH	SOLE	1	109,898	0	0
LIVEPERSON INC	COM	538146101	1,275	45,478 SH	SOLE	1	45,478	0	0
LIVERAMP HOLDINGS INC	COM	53815P108	8,583	177,050 SH	SOLE	1	177,050	0	0
LIVEXLIVE MEDIA INC	COM	53839L208	78	18,782 SH	SOLE	1	18,782	0	0
LKQ CORP	COM	501889208	3,412	128,229 SH	SOLE	1	128,229	0	0
LOCKHEED MARTIN CORP	COM	539830109	44,471	122,327 SH	SOLE	1	122,327	0	0
LOEWS CORP	COM	540424108	7,090	129,686 SH	SOLE	1	129,686	0	0
LOGICBIO THERAPEUTICS INC	COM	54142F102	69	5,316 SH	SOLE	1	5,316	0	0
LOGMEIN INC	COM	54142L109	7,171	97,330 SH	SOLE	1	97,330	0	0
LORAL SPACE & COMMUNICATIONS	COM	543881106	282	8,163 SH	SOLE	1	8,163	0	0
LOUISIANA PACIFIC CORP	COM	546347105	8,342	318,157 SH	SOLE	1	318,157	0	0
LOVESAC CO/THE	COM	54738L109	115	3,707 SH	SOLE	1	3,707	0	0
LOWE S COS INC	COM	548661107	28,907	286,460 SH	SOLE	1	286,460	0	0
LPL FINANCIAL HOLDINGS INC	COM	50212V100	166	2,031 SH	SOLE	1	2,031	0	0
LSB INDUSTRIES INC	COM	502160104	65	16,625 SH	SOLE	1	16,625	0	0
LSC COMMUNICATIONS INC	COM	50218P107	90	24,643 SH	SOLE	1	24,643	0	0
LTC PROPERTIES INC	COM	502175102	1,350	29,564 SH	SOLE	1	29,564	0	0
LULULEMON ATHLETICA INC	COM	550021109	1,868	10,366 SH	SOLE	1	10,366	0	0
LUMBER LIQUIDATORS HOLDINGS	COM	55003T107	247	21,403 SH	SOLE	1	21,403	0	0

LUMENTUM HOLDINGS INC	COM	55024U109	10,505	196,679	SH	SOLE	1	196,679	0	0
LUMINEX CORP	COM	55027E102	650	31,487	SH	SOLE	1	31,487	0	0
LUTHER BURBANK CORP	COM	550550107	138	12,690	SH	SOLE	1	12,690	0	0
LYDALL INC	COM	550819106	259	12,840	SH	SOLE	1	12,840	0	0
LYFT INC A	COM	55087P104	37	557	SH	SOLE	1	557	0	0
M & T BANK CORP	COM	55261F104	9,952	58,517	SH	SOLE	1	58,517	0	0
M/I HOMES INC	COM	55305B101	572	20,025	SH	SOLE	1	20,025	0	0
MACATAWA BANK CORP	COM	554225102	170	16,539	SH	SOLE	1	16,539	0	0
MACERICH CO/THE	COM	554382101	1,244	37,144	SH	SOLE	1	37,144	0	0
MACK CALI REALTY CORP	COM	554489104	5,420	232,707	SH	SOLE	1	232,707	0	0
MACKINAC FINANCIAL CORP	COM	554571109	93	5,862	SH	SOLE	1	5,862	0	0
MACOM TECHNOLOGY SOLUTIONS H	COM	55405Y100	442	29,218	SH	SOLE	1	29,218	0	0
MACQUARIE INFRASTRUCTURE COR	COM	55608B105	48	1,189	SH	SOLE	1	1,189	0	0
MACROGENICS INC	COM	556099109	514	30,308	SH	SOLE	1	30,308	0	0
MACY S INC	COM	55616P104	231,574	10,790,946	SH	SOLE	1	10,790,946	0	0
MADISON SQUARE GARDEN CO A	COM	55825T103	88	315	SH	SOLE	1	315	0	0
MADRIGAL PHARMACEUTICALS INC	COM	558868105	521	4,969	SH	SOLE	1	4,969	0	0
MAGELLAN HEALTH INC	COM	559079207	1,224	16,489	SH	SOLE	1	16,489	0	0
MAGENTA THERAPEUTICS INC	COM	55910K108	183	12,382	SH	SOLE	1	12,382	0	0
MAGNOLIA OIL & GAS CORP A	COM	559663109	745	64,262	SH	SOLE	1	64,262	0	0
MAINSTREET BANCSHARES INC	COM	56064Y100	103	4,514	SH	SOLE	1	4,514	0	0
MAJESCO	COM	56068V102	45	4,824	SH	SOLE	1	4,824	0	0
MALIBU BOATS INC A	COM	56117J100	512	13,190	SH	SOLE	1	13,190	0	0
MALVERN BANCORP INC	COM	561409103	106	4,803	SH	SOLE	1	4,803	0	0
MAMMOTH ENERGY SERVICES INC	COM	56155L108	57	8,264	SH	SOLE	1	8,264	0	0
MANHATTAN ASSOCIATES INC	COM	562750109	8,786	126,730	SH	SOLE	1	126,730	0	0
MANITOWOC COMPANY INC	COM	563571405	402	22,589	SH	SOLE	1	22,589	0	0
MANNKIND CORP	COM	56400P706	137	119,225	SH	SOLE	1	119,225	0	0
MANPOWERGROUP INC	COM	56418H100	13,411	138,832	SH	SOLE	1	138,832	0	0
MANTECH INTERNATIONAL CORP A	COM	564563104	1,322	20,071	SH	SOLE	1	20,071	0	0
MARATHON OIL CORP	COM	565849106	5,129	360,952	SH	SOLE	1	360,952	0	0
MARATHON PETROLEUM CORP	COM	56585A102	12,970	232,104	SH	SOLE	1	232,104	0	0
MARCHEX INC CLASS B	COM	56624R108	104	22,046	SH	SOLE	1	22,046	0	0
MARCUS & MILLICHAP INC	COM	566324109	526	17,049	SH	SOLE	1	17,049	0	0
MARCUS CORPORATION	COM	566330106	551	16,709	SH	SOLE	1	16,709	0	0
MARINE PRODUCTS CORP	COM	568427108	73	4,697	SH	SOLE	1	4,697	0	0
MARINEMAX INC	COM	567908108	275	16,736	SH	SOLE	1	16,736	0	0

MARINUS PHARMACEUTICALS INC	COM	56854Q101	132	31,907	SH	SOLE	1	31,907	0	0
MARKEL CORP	COM	570535104	251	230	SH	SOLE	1	230	0	0
MARKER THERAPEUTICS INC	COM	57055L107	137	17,230	SH	SOLE	1	17,230	0	0
MARKETAXESS HOLDINGS INC	COM	57060D108	4,148	12,904	SH	SOLE	1	12,904	0	0
MARLIN BUSINESS SERVICES INC	COM	571157106	139	5,574	SH	SOLE	1	5,574	0	0
MARRIOTT INTERNATIONAL CL A	COM	571903202	15,437	110,036	SH	SOLE	1	110,036	0	0
MARRIOTT VACATIONS WORLD	COM	57164Y107	9,992	103,649	SH	SOLE	1	103,649	0	0
MARRONE BIO INNOVATIONS INC	COM	57165B106	49	32,991	SH	SOLE	1	32,991	0	0
MARSH & MCLENNAN COS	COM	571748102	18,920	189,670	SH	SOLE	1	189,670	0	0
MARTEN TRANSPORT LTD	COM	573075108	533	29,364	SH	SOLE	1	29,364	0	0
MARTIN MARIETTA MATERIALS	COM	573284106	5,797	25,192	SH	SOLE	1	25,192	0	0
MASCO CORP	COM	574599106	3,919	99,871	SH	SOLE	1	99,871	0	0
MASIMO CORP	COM	574795100	14,326	96,261	SH	SOLE	1	96,261	0	0
MASONITE INTERNATIONAL CORP	COM	575385109	834	15,831	SH	SOLE	1	15,831	0	0
MASTEC INC	COM	576323109	8,136	157,891	SH	SOLE	1	157,891	0	0
MASTERCARD INC A	COM	57636Q104	86,660	327,599	SH	SOLE	1	327,599	0	0
MASTERCRAFT BOAT HOLDINGS IN	COM	57637H103	229	11,707	SH	SOLE	1	11,707	0	0
MATADOR RESOURCES CO	COM	576485205	5,401	271,682	SH	SOLE	1	271,682	0	0
MATCH GROUP INC	COM	57665R106	90	1,338	SH	SOLE	1	1,338	0	0
MATERION CORP	COM	576690101	1,033	15,227	SH	SOLE	1	15,227	0	0
MATRIX SERVICE CO	COM	576853105	404	19,945	SH	SOLE	1	19,945	0	0
MATSON INC	COM	57686G105	1,240	31,909	SH	SOLE	1	31,909	0	0
MATTEL INC	COM	577081102	7,587	676,797	SH	SOLE	1	676,797	0	0
MATTHEWS INTL CORP CLASS A	COM	577128101	809	23,220	SH	SOLE	1	23,220	0	0
MAUI LAND & PINEAPPLE CO	COM	577345101	44	4,293	SH	SOLE	1	4,293	0	0
MAXAR TECHNOLOGIES INC	COM	57778K105	297	38,003	SH	SOLE	1	38,003	0	0
MAXIM INTEGRATED PRODUCTS	COM	57772K101	406,549	6,796,202	SH	SOLE	1	6,796,202	0	0
MAXIMUS INC	COM	577933104	11,903	164,092	SH	SOLE	1	164,092	0	0
MAXLINEAR INC	COM	57776J100	1,143	48,771	SH	SOLE	1	48,771	0	0
MAYVILLE ENGINEERING CO INC	COM	578605107	55	4,009	SH	SOLE	1	4,009	0	0
MBIA INC	COM	55262C100	502	53,895	SH	SOLE	1	53,895	0	0
MBT FINANCIAL CORP	COM	578877102	232	23,125	SH	SOLE	1	23,125	0	0
MCCORMICK & CO NON VTG SHRS	COM	579780206	7,496	48,361	SH	SOLE	1	48,361	0	0
MCDERMOTT INTL INC	COM	580037703	4,515	467,377	SH	SOLE	1	467,377	0	0
MCDONALD S CORP	COM	580135101	67,119	323,217	SH	SOLE	1	323,217	0	0
MCGRATH RENTCORP	COM	580589109	957	15,395	SH	SOLE	1	15,395	0	0
MCKESSON CORP	COM	58155Q103	10,495	78,090	SH	SOLE	1	78,090	0	0

MDC HOLDINGS INC	COM	552676108	1,218	37,169	SH	SOLE	1	37,169	0	0
MDC PARTNERS INC A	COM	552697104	91	35,972	SH	SOLE	1	35,972	0	0
MDU RESOURCES GROUP INC	COM	552690109	9,984	386,986	SH	SOLE	1	386,986	0	0
MEDALLION FINANCIAL CORP	COM	583928106	89	13,120	SH	SOLE	1	13,120	0	0
MEDICAL PROPERTIES TRUST INC	COM	58463J304	13,439	770,564	SH	SOLE	1	770,564	0	0
MEDICINES COMPANY	COM	584688105	1,922	52,700	SH	SOLE	1	52,700	0	0
MEDICINOVA INC	COM	58468P206	252	26,176	SH	SOLE	1	26,176	0	0
MEDIDATA SOLUTIONS INC	COM	58471A105	11,052	122,107	SH	SOLE	1	122,107	0	0
MEDIFAST INC	COM	58470H101	1,100	8,573	SH	SOLE	1	8,573	0	0
MEDNAX INC	COM	58502B106	4,265	169,034	SH	SOLE	1	169,034	0	0
MEDPACE HOLDINGS INC	COM	58506Q109	1,343	20,530	SH	SOLE	1	20,530	0	0
MEET GROUP INC/THE	COM	58513U101	161	46,257	SH	SOLE	1	46,257	0	0
MEI PHARMA INC	COM	55279B202	109	43,332	SH	SOLE	1	43,332	0	0
MELCO RESORTS & ENTERT ADR	ADR	585464100	486	22,380	SH	SOLE	1	22,380	0	0
MENLO THERAPEUTICS INC	COM	586858102	59	9,848	SH	SOLE	1	9,848	0	0
MERCADOLIBRE INC	COM	58733R102	1,836	3,001	SH	SOLE	1	3,001	0	0
MERCANTILE BANK CORP	COM	587376104	332	10,201	SH	SOLE	1	10,201	0	0
MERCER INTERNATIONAL INC	COM	588056101	76	4,935	SH	SOLE	1	4,935	0	0
MERCHANTS BANCORP/IN	COM	58844R108	93	5,481	SH	SOLE	1	5,481	0	0
MERCK & CO. INC.	COM	58933Y105	83,712	998,359	SH	SOLE	1	998,359	0	0
MERCURY GENERAL CORP	COM	589400100	3,312	52,996	SH	SOLE	1	52,996	0	0
MERCURY SYSTEMS INC	COM	589378108	2,831	40,243	SH	SOLE	1	40,243	0	0
MEREDITH CORP	COM	589433101	5,669	102,954	SH	SOLE	1	102,954	0	0
MERIDIAN BANCORP INC	COM	58958U103	546	30,508	SH	SOLE	1	30,508	0	0
MERIDIAN BIOSCIENCE INC	COM	589584101	376	31,635	SH	SOLE	1	31,635	0	0
MERIT MEDICAL SYSTEMS INC	COM	589889104	2,402	40,335	SH	SOLE	1	40,335	0	0
MERITAGE HOMES CORP	COM	59001A102	1,393	27,136	SH	SOLE	1	27,136	0	0
MERITOR INC	COM	59001K100	1,237	51,020	SH	SOLE	1	51,020	0	0
MERSANA THERAPEUTICS INC	COM	59045L106	92	22,837	SH	SOLE	1	22,837	0	0
MESA AIR GROUP INC	COM	590479135	121	13,230	SH	SOLE	1	13,230	0	0
MESA LABORATORIES INC	COM	59064R109	629	2,575	SH	SOLE	1	2,575	0	0
META FINANCIAL GROUP INC	COM	59100U108	744	26,528	SH	SOLE	1	26,528	0	0
METHODE ELECTRONICS INC	COM	591520200	784	27,452	SH	SOLE	1	27,452	0	0
METLIFE INC	COM	59156R108	15,533	312,731	SH	SOLE	1	312,731	0	0
METROPOLITAN BANK HOLDING CO	COM	591774104	196	4,461	SH	SOLE	1	4,461	0	0
METTLER TOLEDO INTERNATIONAL	COM	592688105	7,939	9,451	SH	SOLE	1	9,451	0	0

MFA FINANCIAL INC	COM	55272X102	52	7,270	SH	SOLE	1	7,270	0	0
MGE ENERGY INC	COM	55277P104	1,622	22,196	SH	SOLE	1	22,196	0	0
MGIC INVESTMENT CORP	COM	552848103	1,933	147,129	SH	SOLE	1	147,129	0	0
MGM RESORTS INTERNATIONAL	COM	552953101	5,049	176,724	SH	SOLE	1	176,724	0	0
MGP INGREDIENTS INC	COM	55303J106	644	9,707	SH	SOLE	1	9,707	0	0
MICHAELS COS INC/THE	COM	59408Q106	1,993	229,020	SH	SOLE	1	229,020	0	0
MICROCHIP TECHNOLOGY INC	COM	595017104	8,811	101,632	SH	SOLE	1	101,632	0	0
MICRON TECHNOLOGY INC	COM	595112103	18,892	489,547	SH	SOLE	1	489,547	0	0
MICROSOFT CORP	COM	594918104	417,035	3,113,132	SH	SOLE	1	3,113,132	0	0
MICROSTRATEGY INC CLASS A	COM	594972408	888	6,195	SH	SOLE	1	6,195	0	0
MID AMERICA APARTMENT COMM	COM	59522J103	4,554	38,675	SH	SOLE	1	38,675	0	0
MID PENN BANCORP INC	COM	59540G107	109	4,383	SH	SOLE	1	4,383	0	0
MIDDLEBY CORP	COM	596278101	184	1,354	SH	SOLE	1	1,354	0	0
MIDDLESEX WATER CO	COM	596680108	604	10,195	SH	SOLE	1	10,195	0	0
MIDLAND STATES BANCORP INC	COM	597742105	368	13,775	SH	SOLE	1	13,775	0	0
MIDSOUTH BANCORP INC	COM	598039105	118	9,993	SH	SOLE	1	9,993	0	0
MIDSTATES PETROLEUM CO INC	COM	59804T407	370	62,736	SH	SOLE	1	62,736	0	0
MIDWESTONE FINANCIAL GROUP I	COM	598511103	211	7,547	SH	SOLE	1	7,547	0	0
MILACRON HOLDINGS CORP	COM	59870L106	602	43,644	SH	SOLE	1	43,644	0	0
MILLENDO THERAPEUTICS INC	COM	60040X103	69	5,971	SH	SOLE	1	5,971	0	0
MILLER INDUSTRIES INC/TENN	COM	600551204	216	7,026	SH	SOLE	1	7,026	0	0
MINERALS TECHNOLOGIES INC	COM	603158106	4,852	90,671	SH	SOLE	1	90,671	0	0
MINERVA NEUROSCIENCES INC	COM	603380106	106	18,802	SH	SOLE	1	18,802	0	0
MIRATI THERAPEUTICS INC	COM	60468T105	1,636	15,887	SH	SOLE	1	15,887	0	0
MISONIX INC	COM	604871103	119	4,677	SH	SOLE	1	4,677	0	0
MISTRAS GROUP INC	COM	60649T107	164	11,446	SH	SOLE	1	11,446	0	0
MITEK SYSTEMS INC	COM	606710200	233	23,459	SH	SOLE	1	23,459	0	0
MKS INSTRUMENTS INC	COM	55306N104	8,272	106,195	SH	SOLE	1	106,195	0	0
MMA CAPITAL HOLDINGS INC	COM	55315D105	104	3,121	SH	SOLE	1	3,121	0	0
MOBILE MINI INC	COM	60740F105	1,021	33,568	SH	SOLE	1	33,568	0	0
MOBILE TELESYSTEMS SP ADR	ADR	607409109	61	6,595	SH	SOLE	1	6,595	0	0
MOBILEIRON INC	COM	60739U204	377	60,814	SH	SOLE	1	60,814	0	0
MODEL N INC	COM	607525102	403	20,643	SH	SOLE	1	20,643	0	0
MODERNA INC	COM	60770K107	9	623	SH	SOLE	1	623	0	0
MODINE MANUFACTURING CO	COM	607828100	451	31,492	SH	SOLE	1	31,492	0	0
MOELIS & CO CLASS A	COM	60786M105	1,055	30,197	SH	SOLE	1	30,197	0	0
MOHAWK INDUSTRIES INC	COM	608190104	3,130	21,222	SH	SOLE	1	21,222	0	0

MOLECULAR TEMPLATES INC	COM	608550109	90	10,825	SH	SOLE	1	10,825	0	0
MOLINA HEALTHCARE INC	COM	60855R100	18,169	126,930	SH	SOLE	1	126,930	0	0
MOLSON COORS BREWING CO B	COM	60871R209	3,618	64,614	SH	SOLE	1	64,614	0	0
MOMENTA PHARMACEUTICALS INC	COM	60877T100	920	73,880	SH	SOLE	1	73,880	0	0
MOMO INC SPON ADR	ADR	60879B107	64	1,780	SH	SOLE	1	1,780	0	0
MONARCH CASINO & RESORT INC	COM	609027107	366	8,561	SH	SOLE	1	8,561	0	0
MONDELEZ INTERNATIONAL INC A	COM	609207105	30,273	561,652	SH	SOLE	1	561,652	0	0
MONGODB INC	COM	60937P106	89	585	SH	SOLE	1	585	0	0
MONMOUTH REAL ESTATE INV COR	COM	609720107	786	57,977	SH	SOLE	1	57,977	0	0
MONOLITHIC POWER SYSTEMS INC	COM	609839105	10,560	77,774	SH	SOLE	1	77,774	0	0
MONOTYPE IMAGING HOLDINGS IN	COM	61022P100	513	30,436	SH	SOLE	1	30,436	0	0
MONRO INC	COM	610236101	2,093	24,539	SH	SOLE	1	24,539	0	0
MONSTER BEVERAGE CORP	COM	61174X109	11,272	176,590	SH	SOLE	1	176,590	0	0
MONTAGE RESOURCES CORP	COM	61179L100	83	13,603	SH	SOLE	1	13,603	0	0
MOODY S CORP	COM	615369105	12,916	66,132	SH	SOLE	1	66,132	0	0
MOOG INC CLASS A	COM	615394202	2,260	24,145	SH	SOLE	1	24,145	0	0
MORGAN STANLEY	COM	617446448	18,431	420,704	SH	SOLE	1	420,704	0	0
MORNINGSTAR INC	COM	617700109	69	480	SH	SOLE	1	480	0	0
MOSAIC CO/THE	COM	61945C103	3,500	139,818	SH	SOLE	1	139,818	0	0
MOTORCAR PARTS OF AMERICA IN	COM	620071100	300	14,029	SH	SOLE	1	14,029	0	0
MOTOROLA SOLUTIONS INC	COM	620076307	9,944	59,639	SH	SOLE	1	59,639	0	0
MOVADO GROUP INC	COM	624580106	321	11,884	SH	SOLE	1	11,884	0	0
MR COOPER GROUP INC	COM	62482R107	388	48,398	SH	SOLE	1	48,398	0	0
MRC GLOBAL INC	COM	55345K103	866	50,568	SH	SOLE	1	50,568	0	0
MSA SAFETY INC	COM	553498106	9,556	90,668	SH	SOLE	1	90,668	0	0
MSC INDUSTRIAL DIRECT CO A	COM	553530106	7,519	101,255	SH	SOLE	1	101,255	0	0
MSCI INC	COM	55354G100	7,941	33,256	SH	SOLE	1	33,256	0	0
MSG NETWORKS INC A	COM	553573106	772	37,214	SH	SOLE	1	37,214	0	0
MTS SYSTEMS CORP	COM	553777103	788	13,466	SH	SOLE	1	13,466	0	0
MUELLER INDUSTRIES INC	COM	624756102	1,221	41,722	SH	SOLE	1	41,722	0	0
MUELLER WATER PRODUCTS INC A	COM	624758108	980	99,814	SH	SOLE	1	99,814	0	0
MULTI COLOR CORP	COM	625383104	530	10,614	SH	SOLE	1	10,614	0	0
MURPHY OIL CORP	COM	626717102	7,861	318,903	SH	SOLE	1	318,903	0	0
MURPHY USA INC	COM	626755102	6,500	77,358	SH	SOLE	1	77,358	0	0
MUSTANG BIO INC	COM	62818Q104	65	17,701	SH	SOLE	1	17,701	0	0
MUTUALFIRST FINANCIAL INC	COM	62845B104	128	3,764	SH	SOLE	1	3,764	0	0
MVB FINANCIAL CORP	COM	553810102	102	6,000	SH	SOLE	1	6,000	0	0

MYERS INDUSTRIES INC	COM	628464109	513	26,596	SH	SOLE	1	26,596	0	0
MYOKARDIA INC	COM	62857M105	1,417	28,252	SH	SOLE	1	28,252	0	0
MYR GROUP INC/DELAWARE	COM	55405W104	453	12,128	SH	SOLE	1	12,128	0	0
MYRIAD GENETICS INC	COM	62855J104	1,471	52,959	SH	SOLE	1	52,959	0	0
N B T BANCORP INC	COM	628778102	1,205	32,133	SH	SOLE	1	32,133	0	0
NACCO INDUSTRIES CL A	COM	629579103	122	2,346	SH	SOLE	1	2,346	0	0
NANOMETRICS INC	COM	630077105	610	17,565	SH	SOLE	1	17,565	0	0
NANOSTRING TECHNOLOGIES INC	COM	63009R109	638	21,019	SH	SOLE	1	21,019	0	0
NAPCO SECURITY TECHNOLOGIES	COM	630402105	218	7,355	SH	SOLE	1	7,355	0	0
NASDAQ INC	COM	631103108	7,533	78,327	SH	SOLE	1	78,327	0	0
NATERA INC	COM	632307104	981	35,579	SH	SOLE	1	35,579	0	0
NATHAN S FAMOUS INC	COM	632347100	144	1,840	SH	SOLE	1	1,840	0	0
NATIONAL BANK HOLD CL A	COM	633707104	789	21,723	SH	SOLE	1	21,723	0	0
NATIONAL BANKSHARES INC/VA	COM	634865109	156	4,016	SH	SOLE	1	4,016	0	0
NATIONAL BEVERAGE CORP	COM	635017106	335	7,510	SH	SOLE	1	7,510	0	0
NATIONAL CINEMEDIA INC	COM	635309107	260	39,620	SH	SOLE	1	39,620	0	0
NATIONAL FUEL GAS CO	COM	636180101	8,891	168,549	SH	SOLE	1	168,549	0	0
NATIONAL GENERAL HLDGS	COM	636220303	989	43,101	SH	SOLE	1	43,101	0	0
NATIONAL HEALTHCARE CORP	COM	635906100	631	7,772	SH	SOLE	1	7,772	0	0
NATIONAL INSTRUMENTS CORP	COM	636518102	9,210	219,340	SH	SOLE	1	219,340	0	0
NATIONAL OILWELL VARCO INC	COM	637071101	3,476	156,369	SH	SOLE	1	156,369	0	0
NATIONAL PRESTO INDS INC	COM	637215104	349	3,737	SH	SOLE	1	3,737	0	0
NATIONAL RESEARCH CORP	COM	637372202	441	7,649	SH	SOLE	1	7,649	0	0
NATIONAL RETAIL PROPERTIES	COM	637417106	16,848	317,828	SH	SOLE	1	317,828	0	0
NATIONAL STORAGE AFFILIATES	COM	637870106	1,235	42,681	SH	SOLE	1	42,681	0	0
NATIONAL VISION HOLDINGS INC	COM	63845R107	1,345	43,765	SH	SOLE	1	43,765	0	0
NATIONAL WESTERN LIFE GROU A	COM	638517102	373	1,451	SH	SOLE	1	1,451	0	0
NATL HEALTH INVESTORS INC	COM	63633D104	2,077	26,623	SH	SOLE	1	26,623	0	0
NATURAL GAS SERVICES GROUP	COM	63886Q109	132	7,996	SH	SOLE	1	7,996	0	0
NATURAL GROCERS BY VITAMIN C	COM	63888U108	58	5,763	SH	SOLE	1	5,763	0	0
NATURES SUNSHINE PRODS INC	COM	639027101	52	5,562	SH	SOLE	1	5,562	0	0
NATUS MEDICAL INC	COM	639050103	651	25,326	SH	SOLE	1	25,326	0	0
NAUTILUS INC	COM	63910B102	7	3,379	SH	SOLE	1	3,379	0	0
NAVIENT CORP	COM	63938C108	5,680	416,082	SH	SOLE	1	416,082	0	0
NAVIGANT CONSULTING INC	COM	63935N107	678	29,245	SH	SOLE	1	29,245	0	0

NAVISTAR INTERNATIONAL CORP	COM	63934E108	1,086	31,532	SH	SOLE	1	31,532	0	0
NCR CORPORATION	COM	62886E108	7,328	235,633	SH	SOLE	1	235,633	0	0
NCS MULTISTAGE HOLDINGS INC	COM	628877102	26	7,303	SH	SOLE	1	7,303	0	0
NEENAH INC	COM	640079109	849	12,566	SH	SOLE	1	12,566	0	0
NEKTAR THERAPEUTICS	COM	640268108	2,681	75,362	SH	SOLE	1	75,362	0	0
NELNET INC CL A	COM	64031N108	674	11,384	SH	SOLE	1	11,384	0	0
NEOGEN CORP	COM	640491106	2,394	38,539	SH	SOLE	1	38,539	0	0
NEOGENOMICS INC	COM	64049M209	1,477	67,323	SH	SOLE	1	67,323	0	0
NEON THERAPEUTICS INC	COM	64050Y100	43	8,991	SH	SOLE	1	8,991	0	0
NEOPHOTONICS CORP	COM	64051T100	101	24,116	SH	SOLE	1	24,116	0	0
NETAPP INC	COM	64110D104	6,471	104,876	SH	SOLE	1	104,876	0	0
NETEASE INC ADR	ADR	64110W102	1,386	5,420	SH	SOLE	1	5,420	0	0
NETFLIX INC	COM	64110L106	67,542	183,879	SH	SOLE	1	183,879	0	0
NETGEAR INC	COM	64111Q104	591	23,376	SH	SOLE	1	23,376	0	0
NETSCOUT SYSTEMS INC	COM	64115T104	4,636	182,581	SH	SOLE	1	182,581	0	0
NEUROCRINE BIOSCIENCES INC	COM	64125C109	187	2,209	SH	SOLE	1	2,209	0	0
NEURONETICS INC	COM	64131A105	104	8,335	SH	SOLE	1	8,335	0	0
NEVRO CORP	COM	64157F103	1,219	18,796	SH	SOLE	1	18,796	0	0
NEW AGE BEVERAGES CORP	COM	64157V108	215	45,997	SH	SOLE	1	45,997	0	0
NEW JERSEY RESOURCES CORP	COM	646025106	11,415	229,348	SH	SOLE	1	229,348	0	0
NEW MEDIA INVESTMENT GROUP	COM	64704V106	418	44,325	SH	SOLE	1	44,325	0	0
NEW ORIENTAL EDUCATIO SP ADR	ADR	647581107	193	2,001	SH	SOLE	1	2,001	0	0
NEW RELIC INC	COM	64829B100	99	1,144	SH	SOLE	1	1,144	0	0
NEW RESIDENTIAL INVESTMENT	COM	64828T201	103	6,721	SH	SOLE	1	6,721	0	0
NEW SENIOR INVESTMENT GROUP	COM	648691103	354	52,655	SH	SOLE	1	52,655	0	0
NEW YORK COMMUNITY BANCORP	COM	649445103	9,110	912,866	SH	SOLE	1	912,866	0	0
NEW YORK MORTGAGE TRUST INC	COM	649604501	969	156,283	SH	SOLE	1	156,283	0	0
NEW YORK TIMES CO A	COM	650111107	9,073	278,145	SH	SOLE	1	278,145	0	0
NEWELL BRANDS INC	COM	651229106	2,037	132,087	SH	SOLE	1	132,087	0	0
NEWMARK GROUP INC W/I	COM	65158N102	820	91,319	SH	SOLE	1	91,319	0	0
NEWMARKET CORP	COM	651587107	6,844	17,071	SH	SOLE	1	17,071	0	0
NEWMONT GOLDCORP CORP	COM	651639106	10,886	282,971	SH	SOLE	1	282,971	0	0
NEWPARK RESOURCES INC	COM	651718504	496	66,880	SH	SOLE	1	66,880	0	0
NEWS CORP CLASS A	COM	65249B109	1,795	133,093	SH	SOLE	1	133,093	0	0
NEWS CORP CLASS B	COM	65249B208	596	42,692	SH	SOLE	1	42,692	0	0
NEXPOINT RESIDENTIAL	COM	65341D102	493	11,907	SH	SOLE	1	11,907	0	0
NEXSTAR MEDIA GROUP INC CL A	COM	65336K103	102	1,010	SH	SOLE	1	1,010	0	0
NEXTCURE INC	COM	65343E108	28	1,838	SH	SOLE	1	1,838	0	0

NEXTDECADE CORP	COM	65342K105	46	7,268 SH	SOLE	1	7,268	0	0
NEXTERA ENERGY INC	COM	65339F101	31,243	152,510 SH	SOLE	1	152,510	0	0
NEXTGEN HEALTHCARE INC	COM	65343C102	793	39,858 SH	SOLE	1	39,858	0	0
NGM BIOPHARMACEUTICALS INC	COM	62921N105	63	4,277 SH	SOLE	1	4,277	0	0
NI HOLDINGS INC	COM	65342T106	107	6,067 SH	SOLE	1	6,067	0	0
NIC INC	COM	62914B100	793	49,434 SH	SOLE	1	49,434	0	0
NICOLET BANKSHARES INC	COM	65406E102	323	5,211 SH	SOLE	1	5,211	0	0
NII HOLDINGS INC	COM	62913F508	96	56,931 SH	SOLE	1	56,931	0	0
NIKE INC CL B	COM	654106103	34,145	406,729 SH	SOLE	1	406,729	0	0
NINE ENERGY SERVICE INC	COM	65441V101	175	10,107 SH	SOLE	1	10,107	0	0
NIO INC ADR	ADR	62914V106	19	7,500 SH	SOLE	1	7,500	0	0
NISOURCE INC	COM	65473P105	4,041	140,319 SH	SOLE	1	140,319	0	0
NL INDUSTRIES	COM	629156407	19	5,319 SH	SOLE	1	5,319	0	0
NLIGHT INC	COM	65487K100	396	20,633 SH	SOLE	1	20,633	0	0
NMI HOLDINGS INC CLASS A	COM	629209305	1,394	49,113 SH	SOLE	1	49,113	0	0
NN INC	COM	629337106	260	26,676 SH	SOLE	1	26,676	0	0
NOAH HOLDINGS LTD SPON ADS	ADR	65487X102	13	300 SH	SOLE	1	300	0	0
NOBLE ENERGY INC	COM	655044105	4,596	205,170 SH	SOLE	1	205,170	0	0
NOODLES & CO	COM	65540B105	143	18,155 SH	SOLE	1	18,155	0	0
NORDSON CORP	COM	655663102	14,349	101,540 SH	SOLE	1	101,540	0	0
NORDSTROM INC	COM	655664100	2,004	62,901 SH	SOLE	1	62,901	0	0
NORFOLK SOUTHERN CORP	COM	655844108	19,464	97,649 SH	SOLE	1	97,649	0	0
NORTHEAST BANK	COM	66405S100	131	4,765 SH	SOLE	1	4,765	0	0
NORTHERN OIL AND GAS INC	COM	665531109	343	177,627 SH	SOLE	1	177,627	0	0
NORTHERN TRUST CORP	COM	665859104	8,039	89,326 SH	SOLE	1	89,326	0	0
NORTHFIELD BANCORP INC	COM	66611T108	522	33,440 SH	SOLE	1	33,440	0	0
NORTHRIM BANCORP INC	COM	666762109	153	4,296 SH	SOLE	1	4,296	0	0
NORTHROP GRUMMAN CORP	COM	666807102	18,054	55,875 SH	SOLE	1	55,875	0	0
NORTHSTAR REALTY EUROPE CORP	COM	66706L101	556	33,848 SH	SOLE	1	33,848	0	0
NORTHWEST BANCSHARES INC	COM	667340103	1,337	75,926 SH	SOLE	1	75,926	0	0
NORTHWEST NATURAL HOLDING CO	COM	66765N105	1,513	21,772 SH	SOLE	1	21,772	0	0
NORTHWEST PIPE CO	COM	667746101	157	6,084 SH	SOLE	1	6,084	0	0
NORTHWESTERN CORP	COM	668074305	9,376	129,946 SH	SOLE	1	129,946	0	0
NORWOOD FINANCIAL CORP	COM	669549107	128	3,671 SH	SOLE	1	3,671	0	0
NOVAGOLD RESOURCES INC	COM	66987E206	871	147,183 SH	SOLE	1	147,183	0	0
NOVANTA INC	COM	67000B104	2,019	21,415 SH	SOLE	1	21,415	0	0
NOVAVAX INC	COM	670002401	87	14,921 SH	SOLE	1	14,921	0	0

NOW INC	COM	67011P100	4,126	279,527	SH	SOLE	1	279,527	0	0
NRC GROUP HOLDINGS CORP	COM	629375106	72	6,453	SH	SOLE	1	6,453	0	0
NRG ENERGY INC	COM	629377508	4,524	128,814	SH	SOLE	1	128,814	0	0
NU SKIN ENTERPRISES INC A	COM	67018T105	5,346	108,399	SH	SOLE	1	108,399	0	0
NUANCE COMMUNICATIONS INC	COM	67020Y100	75	4,705	SH	SOLE	1	4,705	0	0
NUCOR CORP	COM	670346105	10,512	190,773	SH	SOLE	1	190,773	0	0
NUTANIX INC A	COM	67059N108	89	3,421	SH	SOLE	1	3,421	0	0
NUVASIVE INC	COM	670704105	7,818	133,555	SH	SOLE	1	133,555	0	0
NV5 GLOBAL INC	COM	62945V109	527	6,479	SH	SOLE	1	6,479	0	0
NVE CORP	COM	629445206	211	3,034	SH	SOLE	1	3,034	0	0
NVIDIA CORP	COM	67066G104	41,650	253,608	SH	SOLE	1	253,608	0	0
NVR INC	COM	62944T105	22,298	6,616	SH	SOLE	1	6,616	0	0
O REILLY AUTOMOTIVE INC	COM	67103H107	12,774	34,588	SH	SOLE	1	34,588	0	0
OAK VALLEY BANCORP	COM	671807105	85	4,352	SH	SOLE	1	4,352	0	0
OASIS PETROLEUM INC	COM	674215108	4,131	727,213	SH	SOLE	1	727,213	0	0
OCCIDENTAL PETROLEUM CORP	COM	674599105	16,373	325,628	SH	SOLE	1	325,628	0	0
OCEANEERING INTL INC	COM	675232102	5,193	254,683	SH	SOLE	1	254,683	0	0
OCEANFIRST FINANCIAL CORP	COM	675234108	799	32,139	SH	SOLE	1	32,139	0	0
OCH ZIFF CAPITAL MANAGE A	COM	67551U204	246	10,712	SH	SOLE	1	10,712	0	0
OCULAR THERAPEUTIX INC	COM	67576A100	105	23,929	SH	SOLE	1	23,929	0	0
OCWEN FINANCIAL CORP	COM	675746309	177	85,638	SH	SOLE	1	85,638	0	0
ODONATE THERAPEUTICS INC	COM	676079106	181	4,932	SH	SOLE	1	4,932	0	0
OFFICE DEPOT INC	COM	676220106	1,101	534,345	SH	SOLE	1	534,345	0	0
OFFICE PROPERTIES INCOME TRU	COM	67623C109	941	35,816	SH	SOLE	1	35,816	0	0
OFG BANCORP	COM	67103X102	2,052	86,340	SH	SOLE	1	86,340	0	0
OGE ENERGY CORP	COM	670837103	16,645	391,091	SH	SOLE	1	391,091	0	0
OHIO VALLEY BANC CORP	COM	677719106	102	2,633	SH	SOLE	1	2,633	0	0
OIL DRI CORP OF AMERICA	COM	677864100	112	3,295	SH	SOLE	1	3,295	0	0
OIL STATES INTERNATIONAL INC	COM	678026105	823	44,981	SH	SOLE	1	44,981	0	0
OKTA INC	COM	679295105	308	2,496	SH	SOLE	1	2,496	0	0
OLD DOMINION FREIGHT LINE	COM	679580100	18,921	126,765	SH	SOLE	1	126,765	0	0
OLD LINE BANCSHARES INC	COM	67984M100	258	9,694	SH	SOLE	1	9,694	0	0
OLD NATIONAL BANCORP	COM	680033107	2,108	127,066	SH	SOLE	1	127,066	0	0
OLD REPUBLIC INTL CORP	COM	680223104	12,451	556,335	SH	SOLE	1	556,335	0	0
OLD SECOND BANCORP INC	COM	680277100	236	18,442	SH	SOLE	1	18,442	0	0
OLIN CORP	COM	680665205	7,057	322,094	SH	SOLE	1	322,094	0	0
OLLIE S BARGAIN OUTLET HOLDI	COM	681116109	8,898	102,150	SH	SOLE	1	102,150	0	0

OLYMPIC STEEL INC	COM	68162K106	94	6,905	SH	SOLE	1	6,905	0	0
OMEGA FLEX INC	COM	682095104	142	1,844	SH	SOLE	1	1,844	0	0
OMEGA HEALTHCARE INVESTORS	COM	681936100	15,403	419,121	SH	SOLE	1	419,121	0	0
OMEROS CORP	COM	682143102	464	29,598	SH	SOLE	1	29,598	0	0
OMNICELL INC	COM	68213N109	2,647	30,766	SH	SOLE	1	30,766	0	0
OMNICOM GROUP	COM	681919106	416,989	5,088,338	SH	SOLE	1	5,088,338	0	0
OMNOVA SOLUTIONS INC	COM	682129101	174	27,859	SH	SOLE	1	27,859	0	0
ON DECK CAPITAL INC	COM	682163100	175	42,272	SH	SOLE	1	42,272	0	0
ON SEMICONDUCTOR CORP	COM	682189105	134	6,608	SH	SOLE	1	6,608	0	0
ONCOCYTE CORP	COM	68235C107	34	13,668	SH	SOLE	1	13,668	0	0
ONE GAS INC	COM	68235P108	12,219	135,316	SH	SOLE	1	135,316	0	0
ONE LIBERTY PROPERTIES INC	COM	682406103	284	9,790	SH	SOLE	1	9,790	0	0
ONEMAIN HOLDINGS INC	COM	68268W103	36	1,056	SH	SOLE	1	1,056	0	0
ONEOK INC	COM	682680103	12,540	182,242	SH	SOLE	1	182,242	0	0
ONESPAN INC	COM	68287N100	346	24,401	SH	SOLE	1	24,401	0	0
OOMA INC	COM	683416101	129	12,336	SH	SOLE	1	12,336	0	0
OP BANCORP	COM	67109R109	89	8,252	SH	SOLE	1	8,252	0	0
OPKO HEALTH INC	COM	68375N103	527	215,990	SH	SOLE	1	215,990	0	0
OPPENHEIMER HOLDINGS CL A	COM	683797104	167	6,148	SH	SOLE	1	6,148	0	0
OPTIMIZERX CORP	COM	68401U204	124	7,620	SH	SOLE	1	7,620	0	0
OPTINOSE INC	COM	68404V100	112	15,846	SH	SOLE	1	15,846	0	0
OPUS BANK	COM	684000102	346	16,379	SH	SOLE	1	16,379	0	0
ORACLE CORP	COM	68389X105	48,576	852,659	SH	SOLE	1	852,659	0	0
ORASURE TECHNOLOGIES INC	COM	68554V108	429	46,177	SH	SOLE	1	46,177	0	0
ORBCOMM INC	COM	68555P100	343	47,314	SH	SOLE	1	47,314	0	0
ORCHID ISLAND CAPITAL INC	COM	68571X103	209	32,806	SH	SOLE	1	32,806	0	0
ORGANOGENESIS HOLDINGS INC	COM	68621F102	51	6,699	SH	SOLE	1	6,699	0	0
ORIGIN BANCORP INC	COM	68621T102	406	12,291	SH	SOLE	1	12,291	0	0
ORITANI FINANCIAL CORP	COM	68633D103	522	29,433	SH	SOLE	1	29,433	0	0
ORMAT TECHNOLOGIES INC	COM	686688102	1,600	25,238	SH	SOLE	1	25,238	0	0
ORRSTOWN FINL SERVICES INC	COM	687380105	143	6,512	SH	SOLE	1	6,512	0	0
ORTHOFIX MEDICAL INC	COM	68752M108	722	13,661	SH	SOLE	1	13,661	0	0
ORTHOPEDIATRICS CORP	COM	68752L100	218	5,579	SH	SOLE	1	5,579	0	0
OSHKOSH CORP	COM	688239201	11,404	136,593	SH	SOLE	1	136,593	0	0
OSI SYSTEMS INC	COM	671044105	1,408	12,505	SH	SOLE	1	12,505	0	0
OTTER TAIL CORP	COM	689648103	1,324	25,074	SH	SOLE	1	25,074	0	0
OUTFRONT MEDIA INC	COM	69007J106	1,398	54,203	SH	SOLE	1	54,203	0	0
OVERSEAS SHIPHOLDING GROUP A	COM	69036R863	77	41,144	SH	SOLE	1	41,144	0	0
OVERSTOCK.COM INC	COM	690370101	233	17,096	SH	SOLE	1	17,096	0	0

OWENS & MINOR INC	COM	690732102	148	46,364 SH	SOLE	1	46,364	0	0
OWENS CORNING	COM	690742101	101	1,740 SH	SOLE	1	1,740	0	0
OWENS ILLINOIS INC	COM	690768403	5,238	303,279 SH	SOLE	1	303,279	0	0
OXFORD INDUSTRIES INC	COM	691497309	949	12,518 SH	SOLE	1	12,518	0	0
P G & E CORP	COM	69331C108	767	33,455 SH	SOLE	1	33,455	0	0
P.A.M. TRANSPORTATION SVCS	COM	693149106	77	1,247 SH	SOLE	1	1,247	0	0
PACCAR INC	COM	693718108	11,735	163,766 SH	SOLE	1	163,766	0	0
PACIFIC BIOSCIENCES OF CALIF	COM	69404D108	548	90,505 SH	SOLE	1	90,505	0	0
PACIFIC MERCANTILE BANCORP	COM	694552100	102	12,368 SH	SOLE	1	12,368	0	0
PACIFIC PREMIER BANCORP INC	COM	69478X105	1,365	44,189 SH	SOLE	1	44,189	0	0
PACIRA BIOSCIENCES INC	COM	695127100	1,121	25,787 SH	SOLE	1	25,787	0	0
PACKAGING CORP OF AMERICA	COM	695156109	4,512	47,339 SH	SOLE	1	47,339	0	0
PACWEST BANCORP	COM	695263103	11,764	302,957 SH	SOLE	1	302,957	0	0
PAGERDUTY INC	COM	69553P100	12	245 SH	SOLE	1	245	0	0
PALATIN TECHNOLOGIES INC	COM	696077403	149	128,680 SH	SOLE	1	128,680	0	0
PALO ALTO NETWORKS INC	COM	697435105	459	2,253 SH	SOLE	1	2,253	0	0
PALOMAR HOLDINGS INC	COM	69753M105	87	3,607 SH	SOLE	1	3,607	0	0
PAMPA ENERGIA SA SPON ADR	ADR	697660207	25	719 SH	SOLE	1	719	0	0
PANHANDLE OIL AND GAS INC A	COM	698477106	129	9,861 SH	SOLE	1	9,861	0	0
PAPA JOHN S INTL INC	COM	698813102	2,584	57,781 SH	SOLE	1	57,781	0	0
PAR PACIFIC HOLDINGS INC	COM	69888T207	520	25,322 SH	SOLE	1	25,322	0	0
PAR TECHNOLOGY CORP/DEL	COM	698884103	207	7,353 SH	SOLE	1	7,353	0	0
PARAMOUNT GROUP INC	COM	69924R108	46	3,262 SH	SOLE	1	3,262	0	0
PARATEK PHARMACEUTICALS INC	COM	699374302	81	20,353 SH	SOLE	1	20,353	0	0
PARETEUM CORP	COM	69946T207	179	68,302 SH	SOLE	1	68,302	0	0
PARK ELECTROCHEMICAL CORP	COM	700416209	233	13,970 SH	SOLE	1	13,970	0	0
PARK HOTELS & RESORTS INC	COM	700517105	90	3,259 SH	SOLE	1	3,259	0	0
PARK NATIONAL CORP	COM	700658107	851	8,558 SH	SOLE	1	8,558	0	0
PARK OHIO HOLDINGS CORP	COM	700666100	183	5,604 SH	SOLE	1	5,604	0	0
PARKE BANCORP INC	COM	700885106	137	5,725 SH	SOLE	1	5,725	0	0
PARKER DRILLING CO POST BANK	COM	701081507	120	5,929 SH	SOLE	1	5,929	0	0
PARKER HANNIFIN CORP	COM	701094104	11,069	65,108 SH	SOLE	1	65,108	0	0
PARSLEY ENERGY INC CLASS A	COM	701877102	107	5,625 SH	SOLE	1	5,625	0	0
PARSONS CORP	COM	70202L102	438	11,879 SH	SOLE	1	11,879	0	0
PARTY CITY HOLDCO INC	COM	702149105	251	34,299 SH	SOLE	1	34,299	0	0
PATRICK INDUSTRIES INC	COM	703343103	832	16,922 SH	SOLE	1	16,922	0	0

PATTERN ENERGY GROUP INC A	COM	70338P100	1,297	56,167 SH	SOLE	1	56,167	0	0
PATTERSON COS INC	COM	703395103	4,891	213,590 SH	SOLE	1	213,590	0	0
PATTERSON UTI ENERGY INC	COM	703481101	4,689	407,388 SH	SOLE	1	407,388	0	0
PAYCHEX INC	COM	704326107	24,471	297,372 SH	SOLE	1	297,372	0	0
PAYCOM SOFTWARE INC	COM	70432V102	273	1,204 SH	SOLE	1	1,204	0	0
PAYLOCITY HOLDING CORP	COM	70438V106	74	792 SH	SOLE	1	792	0	0
PAYPAL HOLDINGS INC	COM	70450Y103	56,200	490,998 SH	SOLE	1	490,998	0	0
PAYSIGN INC	COM	70451A104	253	18,934 SH	SOLE	1	18,934	0	0
PBF ENERGY INC CLASS A	COM	69318G106	7,329	234,150 SH	SOLE	1	234,150	0	0
PC CONNECTION INC	COM	69318J100	250	7,156 SH	SOLE	1	7,156	0	0
PCM INC	COM	69323K100	211	6,018 SH	SOLE	1	6,018	0	0
PCSB FINANCIAL CORP	COM	69324R104	209	10,299 SH	SOLE	1	10,299	0	0
PDC ENERGY INC	COM	69327R101	1,796	49,815 SH	SOLE	1	49,815	0	0
PDF SOLUTIONS INC	COM	693282105	277	21,150 SH	SOLE	1	21,150	0	0
PDL BIOPHARMA INC	COM	69329Y104	238	75,683 SH	SOLE	1	75,683	0	0
PDL COMMUNITY BANCORP	COM	69290X101	80	5,574 SH	SOLE	1	5,574	0	0
PDVWIRELESS INC	COM	69290R104	277	5,883 SH	SOLE	1	5,883	0	0
PEABODY ENERGY CORP	COM	704551100	1,085	45,006 SH	SOLE	1	45,006	0	0
PEAPACK GLADSTONE FINL CORP	COM	704699107	338	12,024 SH	SOLE	1	12,024	0	0
PEBBLEBROOK HOTEL TRUST	COM	70509V100	9,464	335,830 SH	SOLE	1	335,830	0	0
PEGASYSTEMS INC	COM	705573103	66	931 SH	SOLE	1	931	0	0
PENN NATIONAL GAMING INC	COM	707569109	5,338	277,164 SH	SOLE	1	277,164	0	0
PENN REAL ESTATE INVEST TST	COM	709102107	331	50,940 SH	SOLE	1	50,940	0	0
PENN VIRGINIA CORP	COM	70788V102	311	10,149 SH	SOLE	1	10,149	0	0
PENNS WOODS BANCORP INC	COM	708430103	132	2,908 SH	SOLE	1	2,908	0	0
PENNYMAC FINANCIAL SERVICES	COM	70932M107	352	15,884 SH	SOLE	1	15,884	0	0
PENNYMAC MORTGAGE INVESTMENT	COM	70931T103	1,237	56,643 SH	SOLE	1	56,643	0	0
PENSKE AUTOMOTIVE GROUP INC	COM	70959W103	27	564 SH	SOLE	1	564	0	0
PENUMBRA INC	COM	70975L107	123	768 SH	SOLE	1	768	0	0
PEOPLE S UNITED FINANCIAL	COM	712704105	2,285	136,199 SH	SOLE	1	136,199	0	0
PEOPLE S UTAH BANCORP	COM	712706209	293	9,970 SH	SOLE	1	9,970	0	0
PEOPLES BANCORP INC	COM	709789101	369	11,443 SH	SOLE	1	11,443	0	0
PEOPLES BANCORP OF NC	COM	710577107	88	2,926 SH	SOLE	1	2,926	0	0
PEOPLES FINANCIAL SERVICES	COM	711040105	197	4,382 SH	SOLE	1	4,382	0	0
PEPSICO INC	COM	713448108	83,944	640,160 SH	SOLE	1	640,160	0	0
PERFICIENT INC	COM	71375U101	833	24,275 SH	SOLE	1	24,275	0	0
PERFORMANCE FOOD GROUP CO	COM	71377A103	2,620	65,461 SH	SOLE	1	65,461	0	0

PERKINELMER INC	COM	714046109	3,649	37,873	SH	SOLE	1	37,873	0	0
PERSPECTA INC	COM	715347100	8,453	361,093	SH	SOLE	1	361,093	0	0
PETIQ INC	COM	71639T106	396	12,006	SH	SOLE	1	12,006	0	0
PETMED EXPRESS INC	COM	716382106	236	15,061	SH	SOLE	1	15,061	0	0
PFENEX INC	COM	717071104	128	18,969	SH	SOLE	1	18,969	0	0
PFIZER INC	COM	717081103	451,837	10,430,208	SH	SOLE	1	10,430,208	0	0
PGT INNOVATIONS INC	COM	69336V101	714	42,732	SH	SOLE	1	42,732	0	0
PHASEBIO PHARMACEUTICALS INC	COM	717224109	115	8,725	SH	SOLE	1	8,725	0	0
PHIBRO ANIMAL HEALTH CORP A	COM	71742Q106	485	15,279	SH	SOLE	1	15,279	0	0
PHILIP MORRIS INTERNATIONAL	COM	718172109	378,173	4,815,653	SH	SOLE	1	4,815,653	0	0
PHILLIPS 66	COM	718546104	15,409	164,737	SH	SOLE	1	164,737	0	0
PHOTRONICS INC	COM	719405102	403	49,109	SH	SOLE	1	49,109	0	0
PHUNWARE INC	COM	71948P100	9	2,753	SH	SOLE	1	2,753	0	0
PHYSICIANS REALTY TRUST	COM	71943U104	2,060	118,097	SH	SOLE	1	118,097	0	0
PICO HOLDINGS INC	COM	693366205	135	11,634	SH	SOLE	1	11,634	0	0
PIEDMONT OFFICE REALTY TRU A	COM	720190206	1,587	79,643	SH	SOLE	1	79,643	0	0
PIER 1 IMPORTS INC	COM	720279504	0	2	SH	SOLE	1	2	0	0
PIERIS PHARMACEUTICALS INC	COM	720795103	138	29,429	SH	SOLE	1	29,429	0	0
PILGRIM S PRIDE CORP	COM	72147K108	26	1,018	SH	SOLE	1	1,018	0	0
PINDUODUO INC ADR	ADR	722304102	52	2,500	SH	SOLE	1	2,500	0	0
PINNACLE FINANCIAL PARTNERS	COM	72346Q104	8,126	141,379	SH	SOLE	1	141,379	0	0
PINNACLE WEST CAPITAL	COM	723484101	3,535	37,570	SH	SOLE	1	37,570	0	0
PIONEER NATURAL RESOURCES CO	COM	723787107	10,749	69,863	SH	SOLE	1	69,863	0	0
PIPER JAFFRAY COS	COM	724078100	770	10,371	SH	SOLE	1	10,371	0	0
PITNEY BOWES INC	COM	724479100	581	135,808	SH	SOLE	1	135,808	0	0
PJT PARTNERS INC A	COM	69343T107	598	14,762	SH	SOLE	1	14,762	0	0
PLAINS GP HLDGS L P	COM	72651A207	22,566	903,730	SH	SOLE	2	903,730	0	0
PLANET FITNESS INC CL A	COM	72703H101	150	2,070	SH	SOLE	1	2,070	0	0
PLANTRONICS INC	COM	727493108	3,141	84,813	SH	SOLE	1	84,813	0	0
PLAYAGS INC	COM	72814N104	329	16,918	SH	SOLE	1	16,918	0	0
PLEXUS CORP	COM	729132100	1,303	22,328	SH	SOLE	1	22,328	0	0
PLUG POWER INC	COM	72919P202	328	145,967	SH	SOLE	1	145,967	0	0
PLURALSIGHT INC A	COM	72941B106	46	1,521	SH	SOLE	1	1,521	0	0
PNC FINANCIAL SERVICES GROUP	COM	693475105	26,690	194,423	SH	SOLE	1	194,423	0	0
PNM RESOURCES INC	COM	69349H107	10,432	204,902	SH	SOLE	1	204,902	0	0
POLARIS INDUSTRIES INC	COM	731068102	10,271	112,585	SH	SOLE	1	112,585	0	0
POLARITYTE INC	COM	731094108	51	8,923	SH	SOLE	1	8,923	0	0
POLYONE CORPORATION	COM	73179P106	6,283	200,174	SH	SOLE	1	200,174	0	0
POOL CORP	COM	73278L105	14,899	78,004	SH	SOLE	1	78,004	0	0
POPULAR INC	COM	733174700	84	1,543	SH	SOLE	1	1,543	0	0

PORTLAND GENERAL ELECTRIC CO	COM	736508847	3,093	57,105	SH	SOLE	1	57,105	0	0
PORTOLA PHARMACEUTICALS INC	COM	737010108	1,151	42,431	SH	SOLE	1	42,431	0	0
POST HOLDINGS INC	COM	737446104	13,573	130,544	SH	SOLE	1	130,544	0	0
POTBELLY CORP	COM	73754Y100	68	13,404	SH	SOLE	1	13,404	0	0
POTLATCHDELTIC CORP	COM	737630103	6,745	173,025	SH	SOLE	1	173,025	0	0
POWELL INDUSTRIES INC	COM	739128106	253	6,670	SH	SOLE	1	6,670	0	0
POWER INTEGRATIONS INC	COM	739276103	1,711	21,345	SH	SOLE	1	21,345	0	0
PPG INDUSTRIES INC	COM	693506107	10,249	87,815	SH	SOLE	1	87,815	0	0
PPL CORP	COM	69351T106	9,336	301,050	SH	SOLE	1	301,050	0	0
PQ GROUP HOLDINGS INC	COM	73943T103	382	24,087	SH	SOLE	1	24,087	0	0
PRA GROUP INC	COM	69354N106	951	33,792	SH	SOLE	1	33,792	0	0
PRA HEALTH SCIENCES INC	COM	69354M108	11,495	115,935	SH	SOLE	1	115,935	0	0
PRECISION BIOSCIENCES INC	COM	74019P108	77	5,827	SH	SOLE	1	5,827	0	0
PREFERRED APARTMENT COMMUN A	COM	74039L103	412	27,546	SH	SOLE	1	27,546	0	0
PREFERRED BANK/LOS ANGELES	COM	740367404	497	10,514	SH	SOLE	1	10,514	0	0
PREFORMED LINE PRODUCTS CO	COM	740444104	108	1,953	SH	SOLE	1	1,953	0	0
PREMIER FINANCIAL BANCORP	COM	74050M105	124	8,291	SH	SOLE	1	8,291	0	0
PREMIER INC CLASS A	COM	74051N102	33	840	SH	SOLE	1	840	0	0
PRESIDIO INC	COM	74102M103	401	29,327	SH	SOLE	1	29,327	0	0
PRESTIGE CONSUMER HEALTHCARE	COM	74112D101	4,227	133,423	SH	SOLE	1	133,423	0	0
PRGX GLOBAL INC	COM	69357C503	89	13,251	SH	SOLE	1	13,251	0	0
PRICESMART INC	COM	741511109	731	14,290	SH	SOLE	1	14,290	0	0
PRIMEENERGY RESOURCES CORP	COM	74158E104	44	330	SH	SOLE	1	330	0	0
PRIMERICA INC	COM	74164M108	9,952	82,971	SH	SOLE	1	82,971	0	0
PRIMO WATER CORP	COM	74165N105	274	22,278	SH	SOLE	1	22,278	0	0
PRIMORIS SERVICES CORP	COM	74164F103	590	28,180	SH	SOLE	1	28,180	0	0
PRINCIPAL FINANCIAL GROUP	COM	74251V102	5,655	97,633	SH	SOLE	1	97,633	0	0
PRINCIPIA BIOPHARMA INC	COM	74257L108	283	8,516	SH	SOLE	1	8,516	0	0
PRIORITY TECHNOLOGY HOLDINGS	COM	74275G107	33	4,168	SH	SOLE	1	4,168	0	0
PROASSURANCE CORP	COM	74267C106	1,445	40,015	SH	SOLE	1	40,015	0	0
PROCTER & GAMBLE CO/THE	COM	742718109	547,059	4,989,134	SH	SOLE	1	4,989,134	0	0
PROGENICS PHARMACEUTICALS	COM	743187106	393	63,729	SH	SOLE	1	63,729	0	0
PROGRESS SOFTWARE CORP	COM	743312100	1,455	33,345	SH	SOLE	1	33,345	0	0
PROGRESSIVE CORP	COM	743315103	16,786	210,012	SH	SOLE	1	210,012	0	0
PROLOGIS INC	COM	74340W103	19,743	246,479	SH	SOLE	1	246,479	0	0
PROOFPOINT INC	COM	743424103	161	1,342	SH	SOLE	1	1,342	0	0
PROPETRO HOLDING CORP	COM	74347M108	1,227	59,285	SH	SOLE	1	59,285	0	0

PROS HOLDINGS INC	COM	74346Y103	1,324	20,924	SH	SOLE	1	20,924	0	0
PROSPERITY BANCSHARES INC	COM	743606105	8,565	129,675	SH	SOLE	1	129,675	0	0
PROTAGONIST THERAPEUTICS INC	COM	74366E102	117	9,642	SH	SOLE	1	9,642	0	0
PROTECTIVE INSURANCE CORP B	COM	74368L203	104	5,974	SH	SOLE	1	5,974	0	0
PROTO LABS INC	COM	743713109	2,345	20,210	SH	SOLE	1	20,210	0	0
PROVIDENCE SERVICE CORP	COM	743815102	498	8,678	SH	SOLE	1	8,678	0	0
PROVIDENT BANCORP INC	COM	74383X109	76	2,712	SH	SOLE	1	2,712	0	0
PROVIDENT FINANCIAL HLDGS	COM	743868101	78	3,724	SH	SOLE	1	3,724	0	0
PROVIDENT FINANCIAL SERVICES	COM	74386T105	1,122	46,259	SH	SOLE	1	46,259	0	0
PRUDENTIAL BANCORP INC	COM	74431A101	105	5,562	SH	SOLE	1	5,562	0	0
PRUDENTIAL FINANCIAL INC	COM	744320102	17,834	176,574	SH	SOLE	1	176,574	0	0
PS BUSINESS PARKS INC/CA	COM	69360J107	8,681	51,511	SH	SOLE	1	51,511	0	0
PTC INC	COM	69370C100	18,235	203,153	SH	SOLE	1	203,153	0	0
PTC THERAPEUTICS INC	COM	69366J200	1,639	36,415	SH	SOLE	1	36,415	0	0
PUBLIC SERVICE ENTERPRISE GP	COM	744573106	10,264	174,504	SH	SOLE	1	174,504	0	0
PUBLIC STORAGE	COM	74460D109	12,760	53,576	SH	SOLE	1	53,576	0	0
PULSE BIOSCIENCES INC	COM	74587B101	94	7,151	SH	SOLE	1	7,151	0	0
PULTEGROUP INC	COM	745867101	2,785	88,075	SH	SOLE	1	88,075	0	0
PUMA BIOTECHNOLOGY INC	COM	74587V107	249	19,559	SH	SOLE	1	19,559	0	0
PURE CYCLE CORP	COM	746228303	115	10,885	SH	SOLE	1	10,885	0	0
PURE STORAGE INC CLASS A	COM	74624M102	85	5,587	SH	SOLE	1	5,587	0	0
PURPLE INNOVATION INC	COM	74640Y106	16	2,338	SH	SOLE	1	2,338	0	0
PVH CORP	COM	693656100	3,043	32,151	SH	SOLE	1	32,151	0	0
PYXUS INTERNATIONAL INC	COM	74737V106	82	5,365	SH	SOLE	1	5,365	0	0
PZENA INVESTMENT MANAGM CL A	COM	74731Q103	96	11,229	SH	SOLE	1	11,229	0	0
Q2 HOLDINGS INC	COM	74736L109	1,946	25,480	SH	SOLE	1	25,480	0	0
QAD INC A	COM	74727D306	282	7,011	SH	SOLE	1	7,011	0	0
QCR HOLDINGS INC	COM	74727A104	327	9,383	SH	SOLE	1	9,383	0	0
QEP RESOURCES INC	COM	74733V100	4,436	613,385	SH	SOLE	1	613,385	0	0
QORVO INC	COM	74736K101	2,744	41,196	SH	SOLE	1	41,196	0	0
QTS REALTY TRUST INC CL A	COM	74736A103	1,607	34,808	SH	SOLE	1	34,808	0	0
QUAD GRAPHICS INC	COM	747301109	156	19,761	SH	SOLE	1	19,761	0	0
QUAKER CHEMICAL CORP	COM	747316107	2,001	9,864	SH	SOLE	1	9,864	0	0
QUALCOMM INC	COM	747525103	39,776	522,885	SH	SOLE	1	522,885	0	0
QUALYS INC	COM	74758T303	2,217	25,461	SH	SOLE	1	25,461	0	0
QUANEX BUILDING PRODUCTS	COM	747619104	468	24,754	SH	SOLE	1	24,754	0	0

QUANTA SERVICES INC	COM	74762E102	1,883	49,312	SH	SOLE	1	49,312	0	0
QUANTERIX CORP	COM	74766Q101	205	6,055	SH	SOLE	1	6,055	0	0
QUEST DIAGNOSTICS INC	COM	74834L100	8,214	80,676	SH	SOLE	1	80,676	0	0
QUIDEL CORP	COM	74838J101	1,336	22,514	SH	SOLE	1	22,514	0	0
QUINSTREET INC	COM	74874Q100	527	33,260	SH	SOLE	1	33,260	0	0
QUOTIENT TECHNOLOGY INC	COM	749119103	541	50,379	SH	SOLE	1	50,379	0	0
QURATE RETAIL INC	COM	74915M100	79	6,391	SH	SOLE	1	6,391	0	0
R1 RCM INC	COM	749397105	819	65,089	SH	SOLE	1	65,089	0	0
RA PHARMACEUTICALS INC	COM	74933V108	599	19,911	SH	SOLE	1	19,911	0	0
RADIAN GROUP INC	COM	750236101	4,364	190,968	SH	SOLE	1	190,968	0	0
RADIANT LOGISTICS INC	COM	75025X100	153	24,854	SH	SOLE	1	24,854	0	0
RADIUS HEALTH INC	COM	750469207	698	28,654	SH	SOLE	1	28,654	0	0
RADNET INC	COM	750491102	368	26,720	SH	SOLE	1	26,720	0	0
RAFAEL HOLDINGS INC CLASS B	COM	75062E106	193	6,702	SH	SOLE	1	6,702	0	0
RALPH LAUREN CORP	COM	751212101	2,983	26,265	SH	SOLE	1	26,265	0	0
RAMACO RESOURCES INC	COM	75134P303	28	5,203	SH	SOLE	1	5,203	0	0
RAMBUS INC	COM	750917106	996	82,763	SH	SOLE	1	82,763	0	0
RANGE RESOURCES CORP	COM	75281A109	2,843	407,253	SH	SOLE	1	407,253	0	0
RAPID7 INC	COM	753422104	1,769	30,591	SH	SOLE	1	30,591	0	0
RAVEN INDUSTRIES INC	COM	754212108	966	26,915	SH	SOLE	1	26,915	0	0
RAYMOND JAMES FINANCIAL INC	COM	754730109	3,709	43,864	SH	SOLE	1	43,864	0	0
RAYONIER ADVANCED MATERIALS	COM	75508B104	238	36,705	SH	SOLE	1	36,705	0	0
RAYONIER INC	COM	754907103	7,674	253,276	SH	SOLE	1	253,276	0	0
RAYTHEON COMPANY	COM	755111507	15,716	90,384	SH	SOLE	1	90,384	0	0
RBB BANCORP	COM	74930B105	200	10,321	SH	SOLE	1	10,321	0	0
RBC BEARINGS INC	COM	75524B104	2,573	15,424	SH	SOLE	1	15,424	0	0
RCI HOSPITALITY HOLDINGS INC	COM	74934Q108	101	5,751	SH	SOLE	1	5,751	0	0
RE/MAX HOLDINGS INC CL A	COM	75524W108	412	13,390	SH	SOLE	1	13,390	0	0
READING INTERNATIONAL INC A	COM	755408101	140	10,794	SH	SOLE	1	10,794	0	0
READY CAPITAL CORP	COM	75574U101	296	19,834	SH	SOLE	1	19,834	0	0
REALOGY HOLDINGS CORP	COM	75605Y106	619	85,370	SH	SOLE	1	85,370	0	0
REALPAGE INC	COM	75606N109	114	1,940	SH	SOLE	1	1,940	0	0
REALTY INCOME CORP	COM	756109104	7,601	110,206	SH	SOLE	1	110,206	0	0
REATA PHARMACEUTICALS INC A	COM	75615P103	1,206	12,782	SH	SOLE	1	12,782	0	0
RECRO PHARMA INC	COM	75629F109	124	12,179	SH	SOLE	1	12,179	0	0
RED HAT INC	COM	756577102	12,798	68,163	SH	SOLE	1	68,163	0	0
RED LION HOTELS CORP	COM	756764106	107	15,085	SH	SOLE	1	15,085	0	0

RED RIVER BANCSHARES INC	COM	75686R202	21	443	SH	SOLE	1	443	0	0
RED ROBIN GOURMET BURGERS	COM	75689M101	297	9,727	SH	SOLE	1	9,727	0	0
RED ROCK RESORTS INC CLASS A	COM	75700L108	954	44,398	SH	SOLE	1	44,398	0	0
REDFIN CORP	COM	75737F108	1,009	56,141	SH	SOLE	1	56,141	0	0
REDWOOD TRUST INC	COM	758075402	1,193	72,181	SH	SOLE	1	72,181	0	0
REGAL BELOIT CORP	COM	758750103	6,835	83,653	SH	SOLE	1	83,653	0	0
REGENCY CENTERS CORP	COM	758849103	3,796	56,884	SH	SOLE	1	56,884	0	0
REGENERON PHARMACEUTICALS	COM	75886F107	11,261	35,979	SH	SOLE	1	35,979	0	0
REGENXBIO INC	COM	75901B107	1,270	24,731	SH	SOLE	1	24,731	0	0
REGIONAL MANAGEMENT CORP	COM	75902K106	156	5,900	SH	SOLE	1	5,900	0	0
REGIONS FINANCIAL CORP	COM	7591EP100	6,801	455,232	SH	SOLE	1	455,232	0	0
REGIS CORP	COM	758932107	357	21,489	SH	SOLE	1	21,489	0	0
REINSURANCE GROUP OF AMERICA	COM	759351604	19,071	122,227	SH	SOLE	1	122,227	0	0
RELIANCE STEEL & ALUMINUM	COM	759509102	13,643	144,182	SH	SOLE	1	144,182	0	0
RELIANT BANCORP INC	COM	75956B101	153	6,493	SH	SOLE	1	6,493	0	0
RENASANT CORP	COM	75970E107	1,303	36,251	SH	SOLE	1	36,251	0	0
RENEWABLE ENERGY GROUP INC	COM	75972A301	439	27,688	SH	SOLE	1	27,688	0	0
RENT A CENTER INC	COM	76009N100	961	36,086	SH	SOLE	1	36,086	0	0
REPLIGEN CORP	COM	759916109	3,003	34,939	SH	SOLE	1	34,939	0	0
REPLIMUNE GROUP INC	COM	76029N106	108	7,376	SH	SOLE	1	7,376	0	0
REPUBLIC BANCORP INC CLASS A	COM	760281204	307	6,163	SH	SOLE	1	6,163	0	0
REPUBLIC FIRST BANCORP INC	COM	760416107	136	27,771	SH	SOLE	1	27,771	0	0
REPUBLIC SERVICES INC	COM	760759100	7,566	87,325	SH	SOLE	1	87,325	0	0
RESIDEO TECHNOLOGIES INC	COM	76118Y104	5,255	239,733	SH	SOLE	1	239,733	0	0
RESMED INC	COM	761152107	6,424	52,642	SH	SOLE	1	52,642	0	0
RESOURCES CONNECTION INC	COM	76122Q105	366	22,873	SH	SOLE	1	22,873	0	0
RESTORBIO INC	COM	76133L103	97	9,509	SH	SOLE	1	9,509	0	0
RETAIL OPPORTUNITY INVESTMEN	COM	76131N101	1,450	84,638	SH	SOLE	1	84,638	0	0
RETAIL PROPERTIES OF AME A	COM	76131V202	41	3,450	SH	SOLE	1	3,450	0	0
RETAIL VALUE INC	COM	76133Q102	330	9,485	SH	SOLE	1	9,485	0	0
RETROPHIN INC	COM	761299106	529	26,329	SH	SOLE	1	26,329	0	0
REV GROUP INC	COM	749527107	249	17,270	SH	SOLE	1	17,270	0	0
REVANCE THERAPEUTICS INC	COM	761330109	363	28,000	SH	SOLE	1	28,000	0	0
REVLON INC CLASS A	COM	761525609	85	4,390	SH	SOLE	1	4,390	0	0
REX AMERICAN RESOURCES CORP	COM	761624105	307	4,208	SH	SOLE	1	4,208	0	0
REXFORD INDUSTRIAL REALTY IN	COM	76169C100	2,667	66,052	SH	SOLE	1	66,052	0	0
REXNORD CORP	COM	76169B102	2,024	66,961	SH	SOLE	1	66,961	0	0

RGC RESOURCES INC	COM	74955L103	146	4,782 SH	SOLE	1	4,782	0	0
RH	COM	74967X103	1,552	13,429 SH	SOLE	1	13,429	0	0
RHYTHM PHARMACEUTICALS INC	COM	76243J105	321	14,608 SH	SOLE	1	14,608	0	0
RIBBON COMMUNICATIONS INC	COM	762544104	186	37,947 SH	SOLE	1	37,947	0	0
RIGEL PHARMACEUTICALS INC	COM	766559603	279	106,961 SH	SOLE	1	106,961	0	0
RIGNET INC	COM	766582100	92	9,117 SH	SOLE	1	9,117	0	0
RIMINI STREET INC	COM	76674Q107	66	12,542 SH	SOLE	1	12,542	0	0
RING ENERGY INC	COM	76680V108	147	45,088 SH	SOLE	1	45,088	0	0
RINGCENTRAL INC CLASS A	COM	76680R206	197	1,711 SH	SOLE	1	1,711	0	0
RITE AID CORP	COM	767754872	276	34,457 SH	SOLE	1	34,457	0	0
RIVERVIEW BANCORP INC	COM	769397100	115	13,522 SH	SOLE	1	13,522	0	0
RLI CORP	COM	749607107	2,560	29,868 SH	SOLE	1	29,868	0	0
RLJ LODGING TRUST	COM	74965L101	1,943	109,517 SH	SOLE	1	109,517	0	0
RMR GROUP INC/THE A	COM	74967R106	214	4,545 SH	SOLE	1	4,545	0	0
ROADRUNNER TRANSPORTATION SY	COM	76973Q204	22	2,268 SH	SOLE	1	2,268	0	0
ROAN RESOURCES INC	COM	769755109	40	22,684 SH	SOLE	1	22,684	0	0
ROBERT HALF INTL INC	COM	770323103	2,351	41,239 SH	SOLE	1	41,239	0	0
ROCKET PHARMACEUTICALS INC	COM	77313F106	284	18,909 SH	SOLE	1	18,909	0	0
ROCKWELL AUTOMATION INC	COM	773903109	7,628	46,559 SH	SOLE	1	46,559	0	0
ROCKWELL MEDICAL INC	COM	774374102	107	35,471 SH	SOLE	1	35,471	0	0
ROCKY BRANDS INC	COM	774515100	120	4,409 SH	SOLE	1	4,409	0	0
ROGERS CORP	COM	775133101	2,395	13,880 SH	SOLE	1	13,880	0	0
ROKU INC	COM	77543R102	181	2,002 SH	SOLE	1	2,002	0	0
ROLLINS INC	COM	775711104	1,808	50,396 SH	SOLE	1	50,396	0	0
ROPER TECHNOLOGIES INC	COM	776696106	16,087	43,921 SH	SOLE	1	43,921	0	0
ROSEHILL RESOURCES INC	COM	777385105	25	6,634 SH	SOLE	1	6,634	0	0
ROSETTA STONE INC	COM	777780107	299	13,066 SH	SOLE	1	13,066	0	0
ROSS STORES INC	COM	778296103	15,299	154,351 SH	SOLE	1	154,351	0	0
ROYAL GOLD INC	COM	780287108	13,137	128,179 SH	SOLE	1	128,179	0	0
RPC INC	COM	749660106	267	36,933 SH	SOLE	1	36,933	0	0
RPM INTERNATIONAL INC	COM	749685103	15,659	256,236 SH	SOLE	1	256,236	0	0
RPT REALTY	COM	74971D101	712	58,819 SH	SOLE	1	58,819	0	0
RR DONNELLEY & SONS CO	COM	257867200	104	52,970 SH	SOLE	1	52,970	0	0
RTI SURGICAL HDS INC	COM	74975N105	154	36,119 SH	SOLE	1	36,119	0	0
RTW RETAILWINDS INC	COM	74980D100	33	19,291 SH	SOLE	1	19,291	0	0
RUBICON PROJECT INC/THE	COM	78112V102	194	30,473 SH	SOLE	1	30,473	0	0
RUBIUS THERAPEUTICS INC	COM	78116T103	349	22,218 SH	SOLE	1	22,218	0	0

RUDOLPH TECHNOLOGIES INC	COM	781270103	636	23,007	SH	SOLE	1	23,007	0	0
RUSH ENTERPRISES INC CL B	COM	781846308	108	2,934	SH	SOLE	1	2,934	0	0
RUSH ENTERPRISES INC CL A	COM	781846209	639	17,506	SH	SOLE	1	17,506	0	0
RUTH S HOSPITALITY GROUP INC	COM	783332109	485	21,373	SH	SOLE	1	21,373	0	0
RYDER SYSTEM INC	COM	783549108	6,070	104,114	SH	SOLE	1	104,114	0	0
RYERSON HOLDING CORP	COM	783754104	86	10,289	SH	SOLE	1	10,289	0	0
RYMAN HOSPITALITY PROPERTIES	COM	78377T107	2,367	29,187	SH	SOLE	1	29,187	0	0
S & T BANCORP INC	COM	783859101	951	25,381	SH	SOLE	1	25,381	0	0
S&P GLOBAL INC	COM	78409V104	22,281	97,814	SH	SOLE	1	97,814	0	0
SABRA HEALTH CARE REIT INC	COM	78573L106	9,089	461,614	SH	SOLE	1	461,614	0	0
SABRE CORP	COM	78573M104	11,924	537,124	SH	SOLE	1	537,124	0	0
SAFEGUARD SCIENTIFICS INC	COM	786449207	150	12,394	SH	SOLE	1	12,394	0	0
SAFEHOLD INC	COM	78645L100	143	4,734	SH	SOLE	1	4,734	0	0
SAFETY INSURANCE GROUP INC	COM	78648T100	1,052	11,056	SH	SOLE	1	11,056	0	0
SAGA COMMUNICATIONS INC CL A	COM	786598300	75	2,416	SH	SOLE	1	2,416	0	0
SAGE THERAPEUTICS INC	COM	78667J108	226	1,233	SH	SOLE	1	1,233	0	0
SAIA INC	COM	78709Y105	1,257	19,441	SH	SOLE	1	19,441	0	0
SAILPOINT TECHNOLOGIES HOLDI	COM	78781P105	1,093	54,527	SH	SOLE	1	54,527	0	0
SALESFORCE.COM INC	COM	79466L302	42,447	279,751	SH	SOLE	1	279,751	0	0
SALLY BEAUTY HOLDINGS INC	COM	79546E104	4,141	310,384	SH	SOLE	1	310,384	0	0
SANDERSON FARMS INC	COM	800013104	6,886	50,426	SH	SOLE	1	50,426	0	0
SANDRIDGE ENERGY INC	COM	80007P869	136	19,598	SH	SOLE	1	19,598	0	0
SANDY SPRING BANCORP INC	COM	800363103	780	22,363	SH	SOLE	1	22,363	0	0
SANGAMO THERAPEUTICS INC	COM	800677106	787	73,042	SH	SOLE	1	73,042	0	0
SANMINA CORP	COM	801056102	1,541	50,905	SH	SOLE	1	50,905	0	0
SANTANDER CONSUMER USA HOLDI	COM	80283M101	41	1,719	SH	SOLE	1	1,719	0	0
SAREPTA THERAPEUTICS INC	COM	803607100	262	1,725	SH	SOLE	1	1,725	0	0
SAUL CENTERS INC	COM	804395101	499	8,882	SH	SOLE	1	8,882	0	0
SAVARA INC	COM	805111101	48	20,199	SH	SOLE	1	20,199	0	0
SB ONE BANCORP	COM	78413T103	116	5,205	SH	SOLE	1	5,205	0	0
SBA COMMUNICATIONS CORP	COM	78410G104	9,235	41,074	SH	SOLE	1	41,074	0	0
SCANSOURCE INC	COM	806037107	630	19,353	SH	SOLE	1	19,353	0	0
SCHLUMBERGER LTD	COM	806857108	21,459	539,980	SH	SOLE	1	539,980	0	0
SCHNEIDER NATIONAL INC CL B	COM	80689H102	16	897	SH	SOLE	1	897	0	0
SCHNITZER STEEL INDS INC A	COM	806882106	428	16,337	SH	SOLE	1	16,337	0	0
SCHOLAR ROCK HOLDING CORP	COM	80706P103	156	9,858	SH	SOLE	1	9,858	0	0

SCHOLASTIC CORP	COM	807066105	706	21,250 SH	SOLE	1	21,250	0	0
SCHWAB (CHARLES) CORP	COM	808513105	18,503	460,386 SH	SOLE	1	460,386	0	0
SCHWEITZER MAUDUIT INTL INC	COM	808541106	768	23,157 SH	SOLE	1	23,157	0	0
SCIENCE APPLICATIONS INTE	COM	808625107	11,804	136,364 SH	SOLE	1	136,364	0	0
SCIENTIFIC GAMES CORP	COM	80874P109	2,844	143,500 SH	SOLE	1	143,500	0	0
SCOTTS MIRACLE GRO CO	COM	810186106	7,612	77,275 SH	SOLE	1	77,275	0	0
SEABOARD CORP	COM	811543107	17	4 SH	SOLE	1	4	0	0
SEACOAST BANKING CORP/FL	COM	811707801	966	37,959 SH	SOLE	1	37,959	0	0
SEACOR HOLDINGS INC	COM	811904101	620	13,046 SH	SOLE	1	13,046	0	0
SEACOR MARINE HOLDINGS INC	COM	78413P101	183	12,251 SH	SOLE	1	12,251	0	0
SEALED AIR CORP	COM	81211K100	2,304	53,847 SH	SOLE	1	53,847	0	0
SEASPINE HOLDINGS CORP	COM	81255T108	134	10,085 SH	SOLE	1	10,085	0	0
SEATTLE GENETICS INC	COM	812578102	185	2,668 SH	SOLE	1	2,668	0	0
SEAWORLD ENTERTAINMENT INC	COM	81282V100	995	32,094 SH	SOLE	1	32,094	0	0
SECUREWORKS CORP A	COM	81374A105	71	5,335 SH	SOLE	1	5,335	0	0
SEI INVESTMENTS COMPANY	COM	784117103	14,072	250,834 SH	SOLE	1	250,834	0	0
SELECT BANCORP INC	COM	81617L108	119	10,424 SH	SOLE	1	10,424	0	0
SELECT ENERGY SERVICES INC A	COM	81617J301	437	37,679 SH	SOLE	1	37,679	0	0
SELECT INTERIOR CONCEPTS A	COM	816120307	159	13,604 SH	SOLE	1	13,604	0	0
SELECT MEDICAL HOLDINGS CORP	COM	81619Q105	1,306	82,296 SH	SOLE	1	82,296	0	0
SELECTIVE INSURANCE GROUP	COM	816300107	3,293	43,969 SH	SOLE	1	43,969	0	0
SEMGROUP CORP CLASS A	COM	81663A105	606	50,495 SH	SOLE	1	50,495	0	0
SEMPRA ENERGY	COM	816851109	13,022	94,744 SH	SOLE	1	94,744	0	0
SEMTECH CORP	COM	816850101	8,221	171,101 SH	SOLE	1	171,101	0	0
SENECA FOODS CORP CL A	COM	817070501	141	5,065 SH	SOLE	1	5,065	0	0
SENIOR HOUSING PROP TRUST	COM	81721M109	5,056	611,178 SH	SOLE	1	611,178	0	0
SENSEONICS HOLDINGS INC	COM	81727U105	138	67,840 SH	SOLE	1	67,840	0	0
SENSIENT TECHNOLOGIES CORP	COM	81725T100	8,005	108,939 SH	SOLE	1	108,939	0	0
SERES THERAPEUTICS INC	COM	81750R102	44	13,634 SH	SOLE	1	13,634	0	0
SERITAGE GROWTH PROP A REIT	COM	81752R100	893	20,784 SH	SOLE	1	20,784	0	0
SERVICE CORP INTERNATIONAL	COM	817565104	16,677	356,506 SH	SOLE	1	356,506	0	0
SERVICEMASTER GLOBAL HOLDING	COM	81761R109	124	2,386 SH	SOLE	1	2,386	0	0
SERVISFIRST BANCSHARES INC	COM	81768T108	1,216	35,493 SH	SOLE	1	35,493	0	0
SHAKE SHACK INC CLASS A	COM	819047101	1,509	20,907 SH	SOLE	1	20,907	0	0

SHARPSRING INC	COM	820054104	71	5,448 SH	SOLE	1	5,448	0	0
SHENANDOAH TELECOMMUNICATION	COM	82312B106	1,175	30,491 SH	SOLE	1	30,491	0	0
SHERWIN WILLIAMS CO/THE	COM	824348106	12,005	26,196 SH	SOLE	1	26,196	0	0
SHOCKWAVE MEDICAL INC	COM	82489T104	240	4,204 SH	SOLE	1	4,204	0	0
SHOE CARNIVAL INC	COM	824889109	199	7,195 SH	SOLE	1	7,195	0	0
SHORE BANCSHARES INC	COM	825107105	131	8,040 SH	SOLE	1	8,040	0	0
SHOTSPOTTER INC	COM	82536T107	225	5,101 SH	SOLE	1	5,101	0	0
SHUTTERFLY INC	COM	82568P304	1,299	25,702 SH	SOLE	1	25,702	0	0
SHUTTERSTOCK INC	COM	825690100	559	14,266 SH	SOLE	1	14,266	0	0
SI BONE INC	COM	825704109	208	10,224 SH	SOLE	1	10,224	0	0
SIEBERT FINANCIAL CORP	COM	826176109	43	4,824 SH	SOLE	1	4,824	0	0
SIENTRA INC	COM	82621J105	89	14,529 SH	SOLE	1	14,529	0	0
SIERRA BANCORP	COM	82620P102	244	8,997 SH	SOLE	1	8,997	0	0
SIGA TECHNOLOGIES INC	COM	826917106	199	35,028 SH	SOLE	1	35,028	0	0
SIGNATURE BANK	COM	82669G104	13,032	107,846 SH	SOLE	1	107,846	0	0
SILGAN HOLDINGS INC	COM	827048109	4,651	152,002 SH	SOLE	1	152,002	0	0
SILICON LABORATORIES INC	COM	826919102	11,510	111,315 SH	SOLE	1	111,315	0	0
SILK ROAD MEDICAL INC	COM	82710M100	215	4,427 SH	SOLE	1	4,427	0	0
SILVERBOW RESOURCES INC	COM	82836G102	62	4,499 SH	SOLE	1	4,499	0	0
SILVERCREST ASSET MANAGEME A	COM	828359109	76	5,447 SH	SOLE	1	5,447	0	0
SIMMONS FIRST NATL CORP CL A	COM	828730200	1,597	68,655 SH	SOLE	1	68,655	0	0
SIMON PROPERTY GROUP INC	COM	828806109	20,287	126,983 SH	SOLE	1	126,983	0	0
SIMPLY GOOD FOODS CO/THE	COM	82900L102	1,086	45,106 SH	SOLE	1	45,106	0	0
SIMPSON MANUFACTURING CO INC	COM	829073105	2,197	33,065 SH	SOLE	1	33,065	0	0
SIMULATIONS PLUS INC	COM	829214105	217	7,596 SH	SOLE	1	7,596	0	0
SINCLAIR BROADCAST GROUP A	COM	829226109	77	1,439 SH	SOLE	1	1,439	0	0
SIRIUS XM HOLDINGS INC	COM	82968B103	1,758	315,026 SH	SOLE	1	315,026	0	0
SITE CENTERS CORP	COM	82981J109	30	2,263 SH	SOLE	1	2,263	0	0
SITEONE LANDSCAPE SUPPLY INC	COM	82982L103	1,801	25,988 SH	SOLE	1	25,988	0	0
SIX FLAGS ENTERTAINMENT CORP	COM	83001A102	6,999	140,889 SH	SOLE	1	140,889	0	0
SJW GROUP	COM	784305104	1,017	16,740 SH	SOLE	1	16,740	0	0
SKECHERS USA INC CL A	COM	830566105	8,279	262,903 SH	SOLE	1	262,903	0	0
SKYLINE CHAMPION CORP	COM	830830105	876	32,012 SH	SOLE	1	32,012	0	0
SKYWEST INC	COM	830879102	2,285	37,671 SH	SOLE	1	37,671	0	0
SKYWORKS SOLUTIONS INC	COM	83088M102	5,899	76,342 SH	SOLE	1	76,342	0	0
SL GREEN REALTY CORP	COM	78440X101	2,340	29,110 SH	SOLE	1	29,110	0	0
SLEEP NUMBER CORP	COM	83125X103	901	22,318 SH	SOLE	1	22,318	0	0

SLM CORP	COM	78442P106	8,209	844,548 SH	SOLE	1	844,548	0	0
SM ENERGY CO	COM	78454L100	3,398	271,343 SH	SOLE	1	271,343	0	0
SMART SAND INC	COM	83191H107	33	13,714 SH	SOLE	1	13,714	0	0
SMARTFINANCIAL INC	COM	83190L208	176	8,092 SH	SOLE	1	8,092	0	0
SMARTSHEET INC CLASS A	COM	83200N103	101	2,081 SH	SOLE	1	2,081	0	0
SMITH (A.O.) CORP	COM	831865209	2,305	48,874 SH	SOLE	1	48,874	0	0
SNAP ON INC	COM	833034101	15,291	92,316 SH	SOLE	1	92,316	0	0
SOLAREEDGE TECHNOLOGIES INC	COM	83417M104	318	5,085 SH	SOLE	1	5,085	0	0
SOLARIS OILFIELD INFRAST A	COM	83418M103	293	19,535 SH	SOLE	1	19,535	0	0
SOLARWINDS CORP	COM	83417Q105	15	834 SH	SOLE	1	834	0	0
SOLID BIOSCIENCES INC	COM	83422E105	55	9,621 SH	SOLE	1	9,621	0	0
SOLITON INC	COM	834251100	21	1,394 SH	SOLE	1	1,394	0	0
SONIC AUTOMOTIVE INC CLASS A	COM	83545G102	425	18,210 SH	SOLE	1	18,210	0	0
SONIM TECHNOLOGIES INC	COM	83548F101	29	2,291 SH	SOLE	1	2,291	0	0
SONOCO PRODUCTS CO	COM	835495102	12,771	195,456 SH	SOLE	1	195,456	0	0
SONOS INC	COM	83570H108	503	44,352 SH	SOLE	1	44,352	0	0
SORRENTO THERAPEUTICS INC	COM	83587F202	199	74,379 SH	SOLE	1	74,379	0	0
SOTHEBY S	COM	835898107	4,898	84,257 SH	SOLE	1	84,257	0	0
SOUTH JERSEY INDUSTRIES	COM	838518108	2,342	69,435 SH	SOLE	1	69,435	0	0
SOUTH PLAINS FINANCIAL INC	COM	83946P107	36	2,168 SH	SOLE	1	2,168	0	0
SOUTH STATE CORP	COM	840441109	1,643	22,308 SH	SOLE	1	22,308	0	0
SOUTHERN CO/THE	COM	842587107	18,933	342,498 SH	SOLE	1	342,498	0	0
SOUTHERN COPPER CORP	COM	84265V105	42	1,074 SH	SOLE	1	1,074	0	0
SOUTHERN FIRST BANCSHARES	COM	842873101	174	4,436 SH	SOLE	1	4,436	0	0
SOUTHERN MISSOURI BANCORP	COM	843380106	174	5,006 SH	SOLE	1	5,006	0	0
SOUTHERN NATL BANCORP OF VA	COM	843395104	192	12,534 SH	SOLE	1	12,534	0	0
SOUTHSIDE BANCSHARES INC	COM	84470P109	777	23,999 SH	SOLE	1	23,999	0	0
SOUTHWEST AIRLINES CO	COM	844741108	9,378	184,679 SH	SOLE	1	184,679	0	0
SOUTHWEST GAS HOLDINGS INC	COM	844895102	12,315	137,411 SH	SOLE	1	137,411	0	0
SOUTHWESTERN ENERGY CO	COM	845467109	4,406	1,394,239 SH	SOLE	1	1,394,239	0	0
SP PLUS CORP	COM	78469C103	463	14,504 SH	SOLE	1	14,504	0	0
SPARK ENERGY INC CLASS A	COM	846511103	83	7,401 SH	SOLE	1	7,401	0	0
SPARK THERAPEUTICS INC	COM	84652J103	2,238	21,859 SH	SOLE	1	21,859	0	0
SPARTAN MOTORS INC	COM	846819100	239	21,819 SH	SOLE	1	21,819	0	0
SPARTANNASH CO	COM	847215100	314	26,936 SH	SOLE	1	26,936	0	0
SPDR PORTFOLIO S&P 500 GROWTH	PRTFLO S&P500 GW	78464A409	10,320	266,460 SH	SOLE	1	266,460	0	0
SPDR S&P 500 ETF TRUST	TR UNIT	78462F103	75,741	258,500 SH	SOLE	1	258,500	0	0

SPDR S&P MIDCAP 400 ETF TRUST	UTSER1 S&PDCRP	78467Y107	9,609	27,100	SH	SOLE	1	27,100	0	0
SPECTRUM BRANDS HOLDINGS INC	COM	84790A105	31	571	SH	SOLE	1	571	0	0
SPECTRUM PHARMACEUTICALS INC	COM	84763A108	715	83,005	SH	SOLE	1	83,005	0	0
SPEEDWAY MOTORSPORTS INC	COM	847788106	134	7,237	SH	SOLE	1	7,237	0	0
SPERO THERAPEUTICS INC	COM	84833T103	75	6,514	SH	SOLE	1	6,514	0	0
SPIRE INC	COM	84857L101	10,905	129,944	SH	SOLE	1	129,944	0	0
SPIRIT AEROSYSTEMS HOLD CL A	COM	848574109	198	2,431	SH	SOLE	1	2,431	0	0
SPIRIT AIRLINES INC	COM	848577102	2,082	43,622	SH	SOLE	1	43,622	0	0
SPIRIT MTA REIT	COM	84861U105	229	27,419	SH	SOLE	1	27,419	0	0
SPIRIT OF TEXAS BANCSHARES I	COM	84861D103	168	7,470	SH	SOLE	1	7,470	0	0
SPIRIT REALTY CAPITAL INC	COM	84860W300	60	1,407	SH	SOLE	1	1,407	0	0
SPLUNK INC	COM	848637104	461	3,669	SH	SOLE	1	3,669	0	0
SPOK HOLDINGS INC	COM	84863T106	202	13,429	SH	SOLE	1	13,429	0	0
SPORTSMAN S WAREHOUSE HOLDIN	COM	84920Y106	102	26,982	SH	SOLE	1	26,982	0	0
SPRINT CORP	COM	85207U105	60	9,182	SH	SOLE	1	9,182	0	0
SPROUTS FARMERS MARKET INC	COM	85208M102	4,362	230,909	SH	SOLE	1	230,909	0	0
SPS COMMERCE INC	COM	78463M107	1,376	13,463	SH	SOLE	1	13,463	0	0
SPX CORP	COM	784635104	1,082	32,778	SH	SOLE	1	32,778	0	0
SPX FLOW INC	COM	78469X107	1,318	31,476	SH	SOLE	1	31,476	0	0
SQUARE INC A	COM	852234103	591	8,143	SH	SOLE	1	8,143	0	0
SRC ENERGY INC	COM	78470V108	901	181,637	SH	SOLE	1	181,637	0	0
SS&C TECHNOLOGIES HOLDINGS	COM	78467J100	302	5,236	SH	SOLE	1	5,236	0	0
ST JOE CO/THE	COM	790148100	372	21,515	SH	SOLE	1	21,515	0	0
STAAR SURGICAL CO	COM	852312305	830	28,259	SH	SOLE	1	28,259	0	0
STAG INDUSTRIAL INC	COM	85254J102	2,433	80,448	SH	SOLE	1	80,448	0	0
STAMPS.COM INC	COM	852857200	566	12,507	SH	SOLE	1	12,507	0	0
STANDARD MOTOR PRODS	COM	853666105	711	15,683	SH	SOLE	1	15,683	0	0
STANDEX INTERNATIONAL CORP	COM	854231107	689	9,423	SH	SOLE	1	9,423	0	0
STANLEY BLACK & DECKER INC	COM	854502101	8,493	58,730	SH	SOLE	1	58,730	0	0
STARBUCKS CORP	COM	855244109	44,501	530,845	SH	SOLE	1	530,845	0	0
STARTEK INC	COM	85569C107	85	10,334	SH	SOLE	1	10,334	0	0
STARWOOD PROPERTY TRUST INC	COM	85571B105	100	4,412	SH	SOLE	1	4,412	0	0
STATE AUTO FINANCIAL CORP	COM	855707105	383	10,945	SH	SOLE	1	10,945	0	0
STATE STREET CORP	COM	857477103	8,993	160,417	SH	SOLE	1	160,417	0	0
STEEL DYNAMICS INC	COM	858119100	13,148	435,360	SH	SOLE	1	435,360	0	0
STEELCASE INC CL A	COM	858155203	946	55,296	SH	SOLE	1	55,296	0	0

STEMLINE THERAPEUTICS INC	COM	85858C107	390	25,472	SH	SOLE	1	25,472	0	0
STEPAN CO	COM	858586100	1,410	15,336	SH	SOLE	1	15,336	0	0
STERICYCLE INC	COM	858912108	7,987	167,260	SH	SOLE	1	167,260	0	0
STERLING BANCORP INC/MI	COM	85917W102	108	10,791	SH	SOLE	1	10,791	0	0
STERLING BANCORP/DE	COM	85917A100	9,962	468,161	SH	SOLE	1	468,161	0	0
STERLING CONSTRUCTION CO	COM	859241101	223	16,602	SH	SOLE	1	16,602	0	0
STEVEN MADDEN LTD	COM	556269108	2,136	62,912	SH	SOLE	1	62,912	0	0
STEWART INFORMATION SERVICES	COM	860372101	713	17,612	SH	SOLE	1	17,612	0	0
STIFEL FINANCIAL CORP	COM	860630102	10,681	180,853	SH	SOLE	1	180,853	0	0
STITCH FIX INC CLASS A	COM	860897107	853	26,668	SH	SOLE	1	26,668	0	0
STOCK YARDS BANCORP INC	COM	861025104	466	12,886	SH	SOLE	1	12,886	0	0
STONERIDGE INC	COM	86183P102	556	17,632	SH	SOLE	1	17,632	0	0
STORE CAPITAL CORP	COM	862121100	111	3,356	SH	SOLE	1	3,356	0	0
STRATEGIC EDUCATION INC	COM	86272C103	2,859	16,061	SH	SOLE	1	16,061	0	0
STRATUS PROPERTIES INC	COM	863167201	121	3,733	SH	SOLE	1	3,733	0	0
STRYKER CORP	COM	863667101	24,096	117,209	SH	SOLE	1	117,209	0	0
STURM RUGER & CO INC	COM	864159108	688	12,622	SH	SOLE	1	12,622	0	0
SUMMIT FINANCIAL GROUP INC	COM	86606G101	189	7,035	SH	SOLE	1	7,035	0	0
SUMMIT HOTEL PROPERTIES INC	COM	866082100	892	77,806	SH	SOLE	1	77,806	0	0
SUMMIT MATERIALS INC CL A	COM	86614U100	1,378	71,561	SH	SOLE	1	71,561	0	0
SUN COMMUNITIES INC	COM	866674104	197	1,536	SH	SOLE	1	1,536	0	0
SUNCOKE ENERGY INC	COM	86722A103	586	65,981	SH	SOLE	1	65,981	0	0
SUNPOWER CORP	COM	867652406	428	39,999	SH	SOLE	1	39,999	0	0
SUNRUN INC	COM	86771W105	1,320	70,344	SH	SOLE	1	70,344	0	0
SUNSTONE HOTEL INVESTORS INC	COM	867892101	1,990	145,174	SH	SOLE	1	145,174	0	0
SUNTRUST BANKS INC	COM	867914103	11,796	187,679	SH	SOLE	1	187,679	0	0
SUPERIOR ENERGY SERVICES INC	COM	868157108	152	116,554	SH	SOLE	1	116,554	0	0
SUPERIOR GROUP OF COS INC	COM	868358102	116	6,772	SH	SOLE	1	6,772	0	0
SUPERIOR INDUSTRIES INTL	COM	868168105	9	2,631	SH	SOLE	1	2,631	0	0
SUPERNUS PHARMACEUTICALS INC	COM	868459108	1,235	37,321	SH	SOLE	1	37,321	0	0
SURGERY PARTNERS INC	COM	86881A100	124	15,283	SH	SOLE	1	15,283	0	0
SURMODICS INC	COM	868873100	426	9,859	SH	SOLE	1	9,859	0	0
SUTRO BIOPHARMA INC	COM	869367102	79	6,918	SH	SOLE	1	6,918	0	0
SVB FINANCIAL GROUP	COM	78486Q101	4,749	21,143	SH	SOLE	1	21,143	0	0
SVMK INC	COM	78489X103	881	53,355	SH	SOLE	1	53,355	0	0
SWITCH INC A	COM	87105L104	19	1,434	SH	SOLE	1	1,434	0	0
SYKES ENTERPRISES INC	COM	871237103	807	29,377	SH	SOLE	1	29,377	0	0
SYMANTEC CORP	COM	871503108	5,456	250,753	SH	SOLE	1	250,753	0	0

SYNALLOY CORP	COM	871565107	83	5,287 SH	SOLE	1	5,287	0	0
SYNAPTICS INC	COM	87157D109	2,593	88,972 SH	SOLE	1	88,972	0	0
SYNCHRONOSS TECHNOLOGIES INC	COM	87157B103	193	24,330 SH	SOLE	1	24,330	0	0
SYNCHRONY FINANCIAL	COM	87165B103	8,718	251,462 SH	SOLE	1	251,462	0	0
SYNDAX PHARMACEUTICALS INC	COM	87164F105	119	12,782 SH	SOLE	1	12,782	0	0
SYNEOS HEALTH INC	COM	87166B102	8,083	158,208 SH	SOLE	1	158,208	0	0
SYNOLOGIC INC	COM	87166L100	91	9,979 SH	SOLE	1	9,979	0	0
SYNNEX CORP	COM	87162W100	7,976	81,054 SH	SOLE	1	81,054	0	0
SYNOPSIS INC	COM	871607107	8,174	63,515 SH	SOLE	1	63,515	0	0
SYNOVUS FINANCIAL CORP	COM	87161C501	10,770	307,700 SH	SOLE	1	307,700	0	0
SYNTHORX INC	COM	87167A103	63	4,666 SH	SOLE	1	4,666	0	0
SYROS PHARMACEUTICALS INC	COM	87184Q107	204	22,034 SH	SOLE	1	22,034	0	0
SYSCO CORP	COM	871829107	10,780	152,433 SH	SOLE	1	152,433	0	0
SYSTEMAX INC	COM	871851101	174	7,865 SH	SOLE	1	7,865	0	0
T MOBILE US INC	COM	872590104	3,855	51,990 SH	SOLE	1	51,990	0	0
T ROWE PRICE GROUP INC	COM	74144T108	15,054	137,218 SH	SOLE	1	137,218	0	0
TABLEAU SOFTWARE INC CL A	COM	87336U105	308	1,856 SH	SOLE	1	1,856	0	0
TABULA RASA HEALTHCARE INC	COM	873379101	723	14,482 SH	SOLE	1	14,482	0	0
TACTILE SYSTEMS TECHNOLOGY I	COM	87357P100	768	13,498 SH	SOLE	1	13,498	0	0
TAILORED BRANDS INC	COM	87403A107	216	37,501 SH	SOLE	1	37,501	0	0
TAKE TWO INTERACTIVE SOFTWRE	COM	874054109	5,101	44,934 SH	SOLE	1	44,934	0	0
TAL EDUCATION GROUP ADR	ADR	874080104	189	4,963 SH	SOLE	1	4,963	0	0
TALOS ENERGY INC	COM	87484T108	308	12,800 SH	SOLE	1	12,800	0	0
TANDEM DIABETES CARE INC	COM	875372203	2,277	35,292 SH	SOLE	1	35,292	0	0
TANGER FACTORY OUTLET CENTER	COM	875465106	3,898	240,445 SH	SOLE	1	240,445	0	0
TAPESTRY INC	COM	876030107	3,632	114,459 SH	SOLE	1	114,459	0	0
TARGA RESOURCES CORP	COM	87612G101	146	3,708 SH	SOLE	1	3,708	0	0
TARGET CORP	COM	87612E106	14,601	168,589 SH	SOLE	1	168,589	0	0
TARGET HOSPITALITY CORP	COM	87615L107	191	20,998 SH	SOLE	1	20,998	0	0
TATA MOTORS LTD SPON ADR	ADR	876568502	10	824 SH	SOLE	1	824	0	0
TAUBMAN CENTERS INC	COM	876664103	4,878	119,461 SH	SOLE	1	119,461	0	0
TAYLOR MORRISON HOME CORP	COM	87724P106	1,430	68,238 SH	SOLE	1	68,238	0	0
TCF FINANCIAL CORP	COM	872275102	6,668	320,724 SH	SOLE	1	320,724	0	0
TCR2 THERAPEUTICS INC	COM	87808K106	16	1,129 SH	SOLE	1	1,129	0	0
TEAM INC	COM	878155100	343	22,385 SH	SOLE	1	22,385	0	0
TECH DATA CORP	COM	878237106	9,843	94,105 SH	SOLE	1	94,105	0	0
TECHTARGET	COM	87874R100	359	16,916 SH	SOLE	1	16,916	0	0
TEGNA INC	COM	87901J105	8,446	557,470 SH	SOLE	1	557,470	0	0

TEJON RANCH CO	COM	879080109	222	13,352 SH	SOLE	1	13,352	0	0
TELADOC HEALTH INC	COM	87918A105	3,016	45,422 SH	SOLE	1	45,422	0	0
TELARIA INC	COM	879181105	207	27,484 SH	SOLE	1	27,484	0	0
TELECOM ARGENTINA SA SP ADR	ADR	879273209	18	994 SH	SOLE	1	994	0	0
TELEDYNE TECHNOLOGIES INC	COM	879360105	19,387	70,790 SH	SOLE	1	70,790	0	0
TELEFLEX INC	COM	879369106	5,565	16,805 SH	SOLE	1	16,805	0	0
TELENAV INC	COM	879455103	161	20,121 SH	SOLE	1	20,121	0	0
TELEPHONE AND DATA SYSTEMS	COM	879433829	5,584	183,683 SH	SOLE	1	183,683	0	0
TELLURIAN INC	COM	87968A104	471	60,045 SH	SOLE	1	60,045	0	0
TEMPUR SEALY INTERNATIONAL I	COM	88023U101	6,618	90,199 SH	SOLE	1	90,199	0	0
TENABLE HOLDINGS INC	COM	88025T102	672	23,542 SH	SOLE	1	23,542	0	0
TENCENT MUSIC ENTERTAINM ADR	ADR	88034P109	15	1,000 SH	SOLE	1	1,000	0	0
TENET HEALTHCARE CORP	COM	88033G407	4,695	227,273 SH	SOLE	1	227,273	0	0
TENNANT CO	COM	880345103	827	13,510 SH	SOLE	1	13,510	0	0
TENNECO INC CLASS A	COM	880349105	358	32,269 SH	SOLE	1	32,269	0	0
TERADATA CORP	COM	88076W103	8,236	229,738 SH	SOLE	1	229,738	0	0
TERADYNE INC	COM	880770102	16,111	336,267 SH	SOLE	1	336,267	0	0
TEREX CORP	COM	880779103	5,078	161,701 SH	SOLE	1	161,701	0	0
TERRAFORM POWER INC A	COM	88104R209	665	46,478 SH	SOLE	1	46,478	0	0
TERRENO REALTY CORP	COM	88146M101	1,939	39,529 SH	SOLE	1	39,529	0	0
TERRITORIAL BANCORP INC	COM	88145X108	153	4,953 SH	SOLE	1	4,953	0	0
TESLA INC	COM	88160R101	2,411	10,788 SH	SOLE	1	10,788	0	0
TESSCO TECHNOLOGIES INC	COM	872386107	70	3,933 SH	SOLE	1	3,933	0	0
TETRA TECH INC	COM	88162G103	3,217	40,955 SH	SOLE	1	40,955	0	0
TETRA TECHNOLOGIES INC	COM	88162F105	149	91,365 SH	SOLE	1	91,365	0	0
TEVA PHARMACEUTICAL SP ADR	ADR	881624209	1,088	117,823 SH	SOLE	1	117,823	0	0
TEXAS CAPITAL BANCSHARES INC	COM	88224Q107	6,028	98,222 SH	SOLE	1	98,222	0	0
TEXAS INSTRUMENTS INC	COM	882508104	456,414	3,977,121 SH	SOLE	1	3,977,121	0	0
TEXAS ROADHOUSE INC	COM	882681109	9,274	172,800 SH	SOLE	1	172,800	0	0
TEXTRON INC	COM	883203101	4,263	80,369 SH	SOLE	1	80,369	0	0
TFS FINANCIAL CORP	COM	87240R107	14	788 SH	SOLE	1	788	0	0
TG THERAPEUTICS INC	COM	88322Q108	432	49,991 SH	SOLE	1	49,991	0	0
THE BANK OF PRINCETON	COM	064520109	107	3,571 SH	SOLE	1	3,571	0	0
THERAPEUTICSMD INC	COM	88338N107	326	125,255 SH	SOLE	1	125,255	0	0
THERMO FISHER SCIENTIFIC INC	COM	883556102	44,341	150,985 SH	SOLE	1	150,985	0	0
THERMON GROUP HOLDINGS INC	COM	88362T103	530	20,674 SH	SOLE	1	20,674	0	0
THOR INDUSTRIES INC	COM	885160101	6,311	107,981 SH	SOLE	1	107,981	0	0
TIDEWATER INC	COM	88642R109	563	23,972 SH	SOLE	1	23,972	0	0

TIDEWATER INC NEW	COM	88642R109	54,972	2,341,223	SH	SOLE	2	2,341,223	0	0
TIFFANY & CO	COM	886547108	3,613	38,580	SH	SOLE	1	38,580	0	0
TILE SHOP HLDGS INC	COM	88677Q109	117	29,198	SH	SOLE	1	29,198	0	0
TILLY S INC CLASS A SHRS	COM	886885102	105	13,815	SH	SOLE	1	13,815	0	0
TIMBERLAND BANCORP INC	COM	887098101	141	4,717	SH	SOLE	1	4,717	0	0
TIMKEN CO	COM	887389104	6,871	133,826	SH	SOLE	1	133,826	0	0
TIMKENSTEEL CORP	COM	887399103	245	30,077	SH	SOLE	1	30,077	0	0
TIPTREE INC	COM	88822Q103	100	15,814	SH	SOLE	1	15,814	0	0
TITAN INTERNATIONAL INC	COM	88830M102	184	37,631	SH	SOLE	1	37,631	0	0
TITAN MACHINERY INC	COM	88830R101	248	12,044	SH	SOLE	1	12,044	0	0
TIVITY HEALTH INC	COM	88870R102	586	35,617	SH	SOLE	1	35,617	0	0
TIVO CORP	COM	88870P106	680	92,208	SH	SOLE	1	92,208	0	0
TJX COMPANIES INC	COM	872540109	23,848	450,990	SH	SOLE	1	450,990	0	0
TOCAGEN INC	COM	888846102	90	13,491	SH	SOLE	1	13,491	0	0
TOLL BROTHERS INC	COM	889478103	9,471	258,639	SH	SOLE	1	258,639	0	0
TOMPKINS FINANCIAL CORP	COM	890110109	880	10,787	SH	SOLE	1	10,787	0	0
TOOTSIE ROLL INDS	COM	890516107	1,740	47,125	SH	SOLE	1	47,125	0	0
TOPBUILD CORP	COM	89055F103	2,110	25,501	SH	SOLE	1	25,501	0	0
TORCHMARK CORP	COM	891027104	3,091	34,555	SH	SOLE	1	34,555	0	0
TORO CO	COM	891092108	13,969	208,810	SH	SOLE	1	208,810	0	0
TOTAL SYSTEM SERVICES INC	COM	891906109	8,064	62,870	SH	SOLE	1	62,870	0	0
TOWER INTERNATIONAL INC	COM	891826109	248	12,699	SH	SOLE	1	12,699	0	0
TOWNE BANK	COM	89214P109	1,156	42,386	SH	SOLE	1	42,386	0	0
TPG RE FINANCE TRUST INC	COM	87266M107	608	31,525	SH	SOLE	1	31,525	0	0
TPI COMPOSITES INC	COM	87266J104	454	18,366	SH	SOLE	1	18,366	0	0
TRACTOR SUPPLY COMPANY	COM	892356106	4,500	41,363	SH	SOLE	1	41,363	0	0
TRADE DESK INC/THE CLASS A	COM	88339J105	211	926	SH	SOLE	1	926	0	0
TRANSCAT INC	COM	893529107	111	4,335	SH	SOLE	1	4,335	0	0
TRANSCONTINENTAL REALTY INV	COM	893617209	17	675	SH	SOLE	1	675	0	0
TRANSDIGM GROUP INC	COM	893641100	8,083	16,707	SH	SOLE	1	16,707	0	0
TRANSENERIX INC	COM	89366M201	159	117,027	SH	SOLE	1	117,027	0	0
TRANSLATE BIO INC	COM	89374L104	236	18,677	SH	SOLE	1	18,677	0	0
TRANSMEDICS GROUP INC	COM	89377M109	122	4,197	SH	SOLE	1	4,197	0	0
TRANSPORTADOR GAS SUR SP B	ADR	893870204	10	663	SH	SOLE	1	663	0	0
TRANSUNION	COM	89400J107	336	4,575	SH	SOLE	1	4,575	0	0
TRAVELERS COS INC/THE	COM	89417E109	19,776	132,265	SH	SOLE	1	132,265	0	0
TRAVELZOO	COM	89421Q205	52	3,381	SH	SOLE	1	3,381	0	0
TRECORA RESOURCES	COM	894648104	130	13,571	SH	SOLE	1	13,571	0	0
TREDEGAR CORP	COM	894650100	324	19,479	SH	SOLE	1	19,479	0	0

TREEHOUSE FOODS INC	COM	89469A104	5,937	109,750	SH	SOLE	1	109,750	0	0
TREX COMPANY INC	COM	89531P105	10,807	150,723	SH	SOLE	1	150,723	0	0
TRI POINTE GROUP INC	COM	87265H109	4,374	365,432	SH	SOLE	1	365,432	0	0
TRIBUNE MEDIA CO A	COM	896047503	66	1,420	SH	SOLE	1	1,420	0	0
TRIBUNE PUBLISHING CO	COM	89609W107	89	11,137	SH	SOLE	1	11,137	0	0
TRICIDA INC	COM	89610F101	548	13,882	SH	SOLE	1	13,882	0	0
TRICO BANCSHARES	COM	896095106	643	17,019	SH	SOLE	1	17,019	0	0
TRIMAS CORP	COM	896215209	895	28,911	SH	SOLE	1	28,911	0	0
TRIMBLE INC	COM	896239100	22,193	491,971	SH	SOLE	1	491,971	0	0
TRINET GROUP INC	COM	896288107	1,927	28,420	SH	SOLE	1	28,420	0	0
TRINITY INDUSTRIES INC	COM	896522109	5,256	253,295	SH	SOLE	1	253,295	0	0
TRIPADVISOR INC	COM	896945201	2,551	55,107	SH	SOLE	1	55,107	0	0
TRIPLE S MANAGEMENT CORP B	COM	896749108	330	13,852	SH	SOLE	1	13,852	0	0
TRISTATE CAPITAL HLDGS INC	COM	89678F100	331	15,532	SH	SOLE	1	15,532	0	0
TRIUMPH BANCORP INC	COM	89679E300	536	18,455	SH	SOLE	1	18,455	0	0
TRIUMPH GROUP INC	COM	896818101	852	37,225	SH	SOLE	1	37,225	0	0
TRUEBLUE INC	COM	89785X101	660	29,922	SH	SOLE	1	29,922	0	0
TRUECAR INC	COM	89785L107	360	65,857	SH	SOLE	1	65,857	0	0
TRUPANION INC	COM	898202106	653	18,079	SH	SOLE	1	18,079	0	0
TRUSTCO BANK CORP NY	COM	898349105	566	71,499	SH	SOLE	1	71,499	0	0
TRUSTMARK CORP	COM	898402102	5,531	166,349	SH	SOLE	1	166,349	0	0
TTEC HOLDINGS INC	COM	89854H102	498	10,689	SH	SOLE	1	10,689	0	0
TTM TECHNOLOGIES	COM	87305R109	752	73,678	SH	SOLE	1	73,678	0	0
TUCOWS INC CLASS A	COM	898697206	366	6,002	SH	SOLE	1	6,002	0	0
TUPPERWARE BRANDS CORP	COM	899896104	2,388	125,461	SH	SOLE	1	125,461	0	0
TURNING POINT BRANDS INC	COM	90041L105	258	5,262	SH	SOLE	1	5,262	0	0
TURNING POINT THERAPEUTICS I	COM	90041T108	172	4,223	SH	SOLE	1	4,223	0	0
TUTOR PERINI CORP	COM	901109108	352	25,365	SH	SOLE	1	25,365	0	0
TWILIO INC A	COM	90138F102	385	2,822	SH	SOLE	1	2,822	0	0
TWIN DISC INC	COM	901476101	98	6,490	SH	SOLE	1	6,490	0	0
TWIN RIVER WORLDWIDE HOLDING	COM	90171V204	396	13,315	SH	SOLE	1	13,315	0	0
TWIST BIOSCIENCE CORP	COM	90184D100	392	13,520	SH	SOLE	1	13,520	0	0
TWITTER INC	COM	90184L102	9,824	281,477	SH	SOLE	1	281,477	0	0
TWO HARBORS INVESTMENT CORP	COM	90187B408	56	4,396	SH	SOLE	1	4,396	0	0
TYLER TECHNOLOGIES INC	COM	902252105	16,247	75,212	SH	SOLE	1	75,212	0	0
TYME TECHNOLOGIES INC	COM	90238J103	46	37,532	SH	SOLE	1	37,532	0	0
TYSON FOODS INC CL A	COM	902494103	24,593	304,593	SH	SOLE	1	304,593	0	0
U.S. PHYSICAL THERAPY INC	COM	90337L108	1,158	9,445	SH	SOLE	1	9,445	0	0
UBIQUITI NETWORKS INC	COM	90347A100	48	368	SH	SOLE	1	368	0	0
UDR INC	COM	902653104	4,297	95,728	SH	SOLE	1	95,728	0	0

UFP TECHNOLOGIES INC	COM	902673102	179	4,296 SH	SOLE	1	4,296	0	0
UGI CORP	COM	902681105	18,176	340,310 SH	SOLE	1	340,310	0	0
ULTA BEAUTY INC	COM	90384S303	8,200	23,640 SH	SOLE	1	23,640	0	0
ULTRA CLEAN HOLDINGS INC	COM	90385V107	408	29,315 SH	SOLE	1	29,315	0	0
ULTRAGENYX PHARMACEUTICAL IN	COM	90400D108	2,206	34,747 SH	SOLE	1	34,747	0	0
UMB FINANCIAL CORP	COM	902788108	7,487	113,750 SH	SOLE	1	113,750	0	0
UMH PROPERTIES INC	COM	903002103	276	22,275 SH	SOLE	1	22,275	0	0
UMPQUA HOLDINGS CORP	COM	904214103	7,147	430,772 SH	SOLE	1	430,772	0	0
UNDER ARMOUR INC CLASS A	COM	904311107	1,638	64,632 SH	SOLE	1	64,632	0	0
UNDER ARMOUR INC CLASS C	COM	904311206	1,789	80,595 SH	SOLE	1	80,595	0	0
UNIFI INC	COM	904677200	197	10,827 SH	SOLE	1	10,827	0	0
UNIFIRST CORP/MA	COM	904708104	2,145	11,376 SH	SOLE	1	11,376	0	0
UNION BANKSHARES INC /VT	COM	905400107	92	2,475 SH	SOLE	1	2,475	0	0
UNION PACIFIC CORP	COM	907818108	38,117	225,400 SH	SOLE	1	225,400	0	0
UNISYS CORP	COM	909214306	372	38,288 SH	SOLE	1	38,288	0	0
UNIT CORP	COM	909218109	356	40,096 SH	SOLE	1	40,096	0	0
UNITED AIRLINES HOLDINGS INC	COM	910047109	9,181	104,870 SH	SOLE	1	104,870	0	0
UNITED BANKSHARES INC	COM	909907107	9,641	259,926 SH	SOLE	1	259,926	0	0
UNITED COMMUNITY BANKS/GA	COM	90984P303	1,688	59,101 SH	SOLE	1	59,101	0	0
UNITED COMMUNITY FINANCIAL	COM	909839102	291	30,378 SH	SOLE	1	30,378	0	0
UNITED FINANCIAL BANCORP INC	COM	910304104	458	32,284 SH	SOLE	1	32,284	0	0
UNITED FIRE GROUP INC	COM	910340108	771	15,908 SH	SOLE	1	15,908	0	0
UNITED INSURANCE HOLDINGS CO	COM	910710102	222	15,570 SH	SOLE	1	15,570	0	0
UNITED NATURAL FOODS INC	COM	911163103	344	38,318 SH	SOLE	1	38,318	0	0
UNITED PARCEL SERVICE CL B	COM	911312106	27,168	263,075 SH	SOLE	1	263,075	0	0
UNITED RENTALS INC	COM	911363109	4,001	30,165 SH	SOLE	1	30,165	0	0
UNITED SECURITY BANCSHARE/CA	COM	911460103	98	8,563 SH	SOLE	1	8,563	0	0
UNITED STATES LIME & MINERAL	COM	911922102	102	1,275 SH	SOLE	1	1,275	0	0
UNITED STATES STEEL CORP	COM	912909108	5,156	336,806 SH	SOLE	1	336,806	0	0
UNITED TECHNOLOGIES CORP	COM	913017109	47,036	361,262 SH	SOLE	1	361,262	0	0
UNITED THERAPEUTICS CORP	COM	91307C102	6,681	85,587 SH	SOLE	1	85,587	0	0
UNITEDHEALTH GROUP INC	COM	91324P102	76,307	312,721 SH	SOLE	1	312,721	0	0
UNITI GROUP INC	COM	91325V108	4,509	474,510 SH	SOLE	1	474,510	0	0
UNITIL CORP	COM	913259107	556	9,283 SH	SOLE	1	9,283	0	0
UNITY BANCORP INC	COM	913290102	114	5,015 SH	SOLE	1	5,015	0	0
UNITY BIOTECHNOLOGY INC	COM	91381U101	161	16,970 SH	SOLE	1	16,970	0	0

UNIVAR INC	COM	91336L107	56	2,556 SH	SOLE	1	2,556	0	0
UNIVERSAL CORP/VA	COM	913456109	1,122	18,455 SH	SOLE	1	18,455	0	0
UNIVERSAL DISPLAY CORP	COM	91347P105	15,678	83,366 SH	SOLE	1	83,366	0	0
UNIVERSAL ELECTRONICS INC	COM	913483103	415	10,124 SH	SOLE	1	10,124	0	0
UNIVERSAL FOREST PRODUCTS	COM	913543104	1,707	44,854 SH	SOLE	1	44,854	0	0
UNIVERSAL HEALTH RLTY INCOME	COM	91359E105	815	9,594 SH	SOLE	1	9,594	0	0
UNIVERSAL HEALTH SERVICES B	COM	913903100	3,661	28,080 SH	SOLE	1	28,080	0	0
UNIVERSAL INSURANCE HOLDINGS	COM	91359V107	651	23,350 SH	SOLE	1	23,350	0	0
UNIVERSAL LOGISTICS HOLDINGS	COM	91388P105	120	5,356 SH	SOLE	1	5,356	0	0
UNIVEST FINANCIAL CORP	COM	915271100	480	18,292 SH	SOLE	1	18,292	0	0
UNUM GROUP	COM	91529Y106	2,454	73,152 SH	SOLE	1	73,152	0	0
UPLAND SOFTWARE INC	COM	91544A109	651	14,291 SH	SOLE	1	14,291	0	0
UPWORK INC	COM	91688F104	562	34,921 SH	SOLE	1	34,921	0	0
URANIUM ENERGY CORP	COM	916896103	155	113,339 SH	SOLE	1	113,339	0	0
URBAN EDGE PROPERTIES	COM	91704F104	5,312	306,505 SH	SOLE	1	306,505	0	0
URBAN OUTFITTERS INC	COM	917047102	3,050	134,051 SH	SOLE	1	134,051	0	0
URSTADT BIDDLE CLASS A	COM	917286205	466	22,212 SH	SOLE	1	22,212	0	0
US BANCORP	COM	902973304	32,217	614,824 SH	SOLE	1	614,824	0	0
US CELLULAR CORP	COM	911684108	11	246 SH	SOLE	1	246	0	0
US CONCRETE INC	COM	90333L201	594	11,959 SH	SOLE	1	11,959	0	0
US ECOLOGY INC	COM	91732J102	985	16,545 SH	SOLE	1	16,545	0	0
US FOODS HOLDING CORP	COM	912008109	126	3,536 SH	SOLE	1	3,536	0	0
US SILICA HOLDINGS INC	COM	90346E103	703	54,992 SH	SOLE	1	54,992	0	0
US WELL SERVICES INC	COM	91274U101	62	12,761 SH	SOLE	1	12,761	0	0
US XPRESS ENTERPRISES INC A	COM	90338N202	71	13,884 SH	SOLE	1	13,884	0	0
USA TECHNOLOGIES INC	COM	90328S500	278	37,441 SH	SOLE	1	37,441	0	0
USANA HEALTH SCIENCES INC	COM	90328M107	803	10,113 SH	SOLE	1	10,113	0	0
UTAH MEDICAL PRODUCTS INC	COM	917488108	212	2,213 SH	SOLE	1	2,213	0	0
VAIL RESORTS INC	COM	91879Q109	211	947 SH	SOLE	1	947	0	0
VALERO ENERGY CORP	COM	91913Y100	14,767	172,486 SH	SOLE	1	172,486	0	0
VALHI INC	COM	918905100	55	18,415 SH	SOLE	1	18,415	0	0
VALLEY NATIONAL BANCORP	COM	919794107	9,155	849,228 SH	SOLE	1	849,228	0	0
VALMONT INDUSTRIES	COM	920253101	5,414	42,696 SH	SOLE	1	42,696	0	0
VALUE LINE INC	COM	920437100	19	674 SH	SOLE	1	674	0	0
VALVOLINE INC	COM	92047W101	7,181	367,693 SH	SOLE	1	367,693	0	0
VANDA PHARMACEUTICALS INC	COM	921659108	552	39,143 SH	SOLE	1	39,143	0	0
VAPOTHERM INC	COM	922107107	68	2,960 SH	SOLE	1	2,960	0	0
VAREX IMAGING CORP	COM	92214X106	868	28,304 SH	SOLE	1	28,304	0	0

VARIAN MEDICAL SYSTEMS INC	COM	92220P105	4,245	31,184	SH	SOLE	1	31,184	0	0
VARONIS SYSTEMS INC	COM	922280102	1,168	18,856	SH	SOLE	1	18,856	0	0
VBI VACCINES INC	COM	91822J103	63	53,353	SH	SOLE	1	53,353	0	0
VECTOR GROUP LTD	COM	92240M108	655	67,205	SH	SOLE	1	67,205	0	0
VECTRUS INC	COM	92242T101	291	7,180	SH	SOLE	1	7,180	0	0
VEDANTA LTD ADR	ADR	92242Y100	26	2,524	SH	SOLE	1	2,524	0	0
VEECO INSTRUMENTS INC	COM	922417100	442	36,157	SH	SOLE	1	36,157	0	0
VEEVA SYSTEMS INC CLASS A	COM	922475108	505	3,113	SH	SOLE	1	3,113	0	0
VENTAS INC	COM	92276F100	9,455	138,333	SH	SOLE	1	138,333	0	0
VERA BRADLEY INC	COM	92335C106	185	15,397	SH	SOLE	1	15,397	0	0
VERACYTE INC	COM	92337F107	845	29,622	SH	SOLE	1	29,622	0	0
VEREIT INC	COM	92339V100	142	15,783	SH	SOLE	1	15,783	0	0
VERICEL CORP	COM	92346J108	528	27,960	SH	SOLE	1	27,960	0	0
VERINT SYSTEMS INC	COM	92343X100	2,238	41,611	SH	SOLE	1	41,611	0	0
VERISIGN INC	COM	92343E102	9,891	47,290	SH	SOLE	1	47,290	0	0
VERISK ANALYTICS INC	COM	92345Y106	10,774	73,561	SH	SOLE	1	73,561	0	0
VERITEX HOLDINGS INC	COM	923451108	1,003	38,635	SH	SOLE	1	38,635	0	0
VERITIV CORP	COM	923454102	188	9,706	SH	SOLE	1	9,706	0	0
VERIZON COMMUNICATIONS INC	COM	92343V104	442,358	7,743,009	SH	SOLE	1	7,743,009	0	0
VERRA MOBILITY CORP	COM	92511U102	820	62,631	SH	SOLE	1	62,631	0	0
VERRICA PHARMACEUTICALS INC	COM	92511W108	95	8,198	SH	SOLE	1	8,198	0	0
VERSO CORP A	COM	92531L207	422	22,170	SH	SOLE	1	22,170	0	0
VERSUM MATERIALS INC	COM	92532W103	11,055	214,329	SH	SOLE	1	214,329	0	0
VERTEX PHARMACEUTICALS INC	COM	92532F100	19,981	108,961	SH	SOLE	1	108,961	0	0
VF CORP	COM	918204108	9,059	103,704	SH	SOLE	1	103,704	0	0
VIACOM INC CLASS A	COM	92553P102	6	162	SH	SOLE	1	162	0	0
VIACOM INC CLASS B	COM	92553P201	4,220	141,280	SH	SOLE	1	141,280	0	0
VIAD CORP	COM	92552R406	998	15,070	SH	SOLE	1	15,070	0	0
VIASAT INC	COM	92552V100	8,993	111,269	SH	SOLE	1	111,269	0	0
VIAVI SOLUTIONS INC	COM	925550105	2,289	172,242	SH	SOLE	1	172,242	0	0
VICI PROPERTIES INC	COM	925652109	160	7,238	SH	SOLE	1	7,238	0	0
VICOR CORP	COM	925815102	409	13,170	SH	SOLE	1	13,170	0	0
VIEWRAY INC	COM	92672L107	389	44,148	SH	SOLE	1	44,148	0	0
VIKING THERAPEUTICS INC	COM	92686J106	342	41,261	SH	SOLE	1	41,261	0	0
VILLAGE SUPER MARKET CLASS A	COM	927107409	139	5,247	SH	SOLE	1	5,247	0	0
VINCE HOLDING CORP	COM	92719W207	27	1,961	SH	SOLE	1	1,961	0	0
VIPSHOP HOLDINGS LTD ADR	ADR	92763W103	48	5,533	SH	SOLE	1	5,533	0	0
VIRNETX HOLDING CORP	COM	92823T108	239	38,535	SH	SOLE	1	38,535	0	0
VIRTU FINANCIAL INC CLASS A	COM	928254101	20	926	SH	SOLE	1	926	0	0
VIRTUS INVESTMENT PARTNERS	COM	92828Q109	540	5,028	SH	SOLE	1	5,028	0	0

VIRTUSA CORP	COM	92827P102	953	21,452 SH	SOLE	1	21,452	0	0
VISA INC CLASS A SHARES	COM	92826C839	111,332	641,499 SH	SOLE	1	641,499	0	0
VISHAY INTERTECHNOLOGY INC	COM	928298108	5,630	340,790 SH	SOLE	1	340,790	0	0
VISHAY PRECISION GROUP	COM	92835K103	269	6,632 SH	SOLE	1	6,632	0	0
VISTA OUTDOOR INC	COM	928377100	385	43,340 SH	SOLE	1	43,340	0	0
VISTEON CORP	COM	92839U206	4,262	72,744 SH	SOLE	1	72,744	0	0
VISTRA ENERGY CORP	COM	92840M102	153	6,740 SH	SOLE	1	6,740	0	0
VITAMIN SHOPPE INC	COM	92849E101	7	1,776 SH	SOLE	1	1,776	0	0
VIVINT SOLAR INC	COM	92854Q106	202	27,729 SH	SOLE	1	27,729	0	0
VOCERA COMMUNICATIONS INC	COM	92857F107	626	19,596 SH	SOLE	1	19,596	0	0
VONAGE HOLDINGS CORP	COM	92886T201	1,919	169,402 SH	SOLE	1	169,402	0	0
VORNADO REALTY TRUST	COM	929042109	3,781	58,983 SH	SOLE	1	58,983	0	0
VOYA FINANCIAL INC	COM	929089100	133	2,411 SH	SOLE	1	2,411	0	0
VOYAGER THERAPEUTICS INC	COM	92915B106	418	15,350 SH	SOLE	1	15,350	0	0
VSE CORP	COM	918284100	159	5,544 SH	SOLE	1	5,544	0	0
VULCAN MATERIALS CO	COM	929160109	7,344	53,486 SH	SOLE	1	53,486	0	0
W&T OFFSHORE INC	COM	92922P106	297	59,868 SH	SOLE	1	59,868	0	0
WABASH NATIONAL CORP	COM	929566107	668	41,051 SH	SOLE	1	41,051	0	0
WABCO HOLDINGS INC	COM	92927K102	157	1,181 SH	SOLE	1	1,181	0	0
WABTEC CORP	COM	929740108	4,457	62,105 SH	SOLE	1	62,105	0	0
WADDELL & REED FINANCIAL A	COM	930059100	929	55,705 SH	SOLE	1	55,705	0	0
WAGeworks INC	COM	930427109	1,523	29,981 SH	SOLE	1	29,981	0	0
WAITR HOLDINGS INC	COM	930752100	210	33,355 SH	SOLE	1	33,355	0	0
WALGREENS BOOTS ALLIANCE INC	COM	931427108	34,547	631,923 SH	SOLE	1	631,923	0	0
WALKER & DUNLOP INC	COM	93148P102	1,109	20,835 SH	SOLE	1	20,835	0	0
WALMART INC	COM	931142103	50,858	460,297 SH	SOLE	1	460,297	0	0
WALT DISNEY CO/THE	COM	254687106	93,291	668,079 SH	SOLE	1	668,079	0	0
WARRIOR MET COAL INC	COM	93627C101	859	32,873 SH	SOLE	1	32,873	0	0
WASHINGTON FEDERAL INC	COM	938824109	7,224	206,826 SH	SOLE	1	206,826	0	0
WASHINGTON PRIME GROUP INC	COM	93964W108	535	140,061 SH	SOLE	1	140,061	0	0
WASHINGTON REIT	COM	939653101	1,607	60,131 SH	SOLE	1	60,131	0	0
WASHINGTON TRUST BANCORP	COM	940610108	502	9,615 SH	SOLE	1	9,615	0	0
WASTE MANAGEMENT INC	COM	94106L109	17,351	150,393 SH	SOLE	1	150,393	0	0
WATERS CORP	COM	941848103	5,686	26,416 SH	SOLE	1	26,416	0	0
WATERSTONE FINANCIAL INC	COM	94188P101	264	15,468 SH	SOLE	1	15,468	0	0
WATSCO INC	COM	942622200	10,297	62,965 SH	SOLE	1	62,965	0	0
WATTS WATER TECHNOLOGIES A	COM	942749102	1,930	20,708 SH	SOLE	1	20,708	0	0
WAYFAIR INC CLASS A	COM	94419L101	219	1,503 SH	SOLE	1	1,503	0	0

WD 40 CO	COM	929236107	1,640	10,310 SH	SOLE	1	10,310	0	0
WEBSTER FINANCIAL CORP	COM	947890109	8,599	180,014 SH	SOLE	1	180,014	0	0
WEC ENERGY GROUP INC	COM	92939U106	13,753	164,960 SH	SOLE	1	164,960	0	0
WEIBO CORP SPON ADR	ADR	948596101	30	693 SH	SOLE	1	693	0	0
WEIGHT WATCHERS INTL INC	COM	948626106	2,006	105,010 SH	SOLE	1	105,010	0	0
WEINGARTEN REALTY INVESTORS	COM	948741103	6,410	233,773 SH	SOLE	1	233,773	0	0
WEIS MARKETS INC	COM	948849104	221	6,068 SH	SOLE	1	6,068	0	0
WELBILT INC	COM	949090104	1,380	82,585 SH	SOLE	1	82,585	0	0
WELLCARE HEALTH PLANS INC	COM	94946T106	8,514	29,866 SH	SOLE	1	29,866	0	0
WELLS FARGO & CO	COM	949746101	62,984	1,331,026 SH	SOLE	1	1,331,026	0	0
WELLTOWER INC	COM	95040Q104	12,601	154,557 SH	SOLE	1	154,557	0	0
WENDY S CO/THE	COM	95058W100	7,003	357,665 SH	SOLE	1	357,665	0	0
WERNER ENTERPRISES INC	COM	950755108	3,504	112,737 SH	SOLE	1	112,737	0	0
WESBANCO INC	COM	950810101	1,295	33,601 SH	SOLE	1	33,601	0	0
WESCO AIRCRAFT HOLDINGS INC	COM	950814103	376	33,863 SH	SOLE	1	33,863	0	0
WESCO INTERNATIONAL INC	COM	95082P105	37	724 SH	SOLE	1	724	0	0
WEST BANCORPORATION	COM	95123P106	216	10,170 SH	SOLE	1	10,170	0	0
WEST PHARMACEUTICAL SERVICES	COM	955306105	18,024	144,022 SH	SOLE	1	144,022	0	0
WESTAMERICA BANCORPORATION	COM	957090103	1,210	19,644 SH	SOLE	1	19,644	0	0
WESTERN ALLIANCE BANCORP	COM	957638109	74	1,652 SH	SOLE	1	1,652	0	0
WESTERN ASSET MORTGAGE CAPIT	COM	95790D105	299	29,949 SH	SOLE	1	29,949	0	0
WESTERN DIGITAL CORP	COM	958102105	316,676	6,659,862 SH	SOLE	1	6,659,862	0	0
WESTERN NEW ENGLAND BANCORP	COM	958892101	143	15,326 SH	SOLE	1	15,326	0	0
WESTERN UNION CO	COM	959802109	3,717	186,859 SH	SOLE	1	186,859	0	0
WESTLAKE CHEMICAL CORP	COM	960413102	40	572 SH	SOLE	1	572	0	0
WESTROCK CO	COM	96145D105	4,976	136,446 SH	SOLE	1	136,446	0	0
WESTWOOD HOLDINGS GROUP INC	COM	961765104	183	5,194 SH	SOLE	1	5,194	0	0
WEX INC	COM	96208T104	17,658	84,852 SH	SOLE	1	84,852	0	0
WEYCO GROUP INC	COM	962149100	104	3,904 SH	SOLE	1	3,904	0	0
WEYERHAEUSER CO	COM	962166104	7,317	277,802 SH	SOLE	1	277,802	0	0
WHIRLPOOL CORP	COM	963320106	395,813	2,780,365 SH	SOLE	1	2,780,365	0	0
WHITESTONE REIT	COM	966084204	364	28,659 SH	SOLE	1	28,659	0	0
WHITING PETROLEUM CORP	COM	966387409	1,276	68,253 SH	SOLE	1	68,253	0	0
WIDOPENWEST INC	COM	96758W101	114	15,667 SH	SOLE	1	15,667	0	0
WILEY (JOHN) & SONS CLASS A	COM	968223206	4,036	88,017 SH	SOLE	1	88,017	0	0
WILLDAN GROUP INC	COM	96924N100	235	6,321 SH	SOLE	1	6,321	0	0
WILLIAM LYON HOMES CL A	COM	552074700	437	23,964 SH	SOLE	1	23,964	0	0

WILLIAMS COS INC	COM	969457100	11,733	418,430 SH	SOLE	1	418,430	0	0
WILLIAMS SONOMA INC	COM	969904101	12,161	187,097 SH	SOLE	1	187,097	0	0
WILLIS LEASE FINANCE CORP	COM	970646105	108	1,856 SH	SOLE	1	1,856	0	0
WILLSCOT CORP	COM	971375126	494	32,844 SH	SOLE	1	32,844	0	0
WINGSTOP INC	COM	974155103	2,085	22,010 SH	SOLE	1	22,010	0	0
WINMARK CORP	COM	974250102	269	1,555 SH	SOLE	1	1,555	0	0
WINNEBAGO INDUSTRIES	COM	974637100	892	23,084 SH	SOLE	1	23,084	0	0
WINTRUST FINANCIAL CORP	COM	97650W108	8,099	110,699 SH	SOLE	1	110,699	0	0
WIPRO LTD ADR	ADR	97651M109	49	11,420 SH	SOLE	1	11,420	0	0
WISDOMTREE INVESTMENTS INC	COM	97717P104	606	98,177 SH	SOLE	1	98,177	0	0
WNS HOLDINGS LTD ADR	ADR	92932M101	39	651 SH	SOLE	1	651	0	0
WOLVERINE WORLD WIDE INC	COM	978097103	1,809	65,673 SH	SOLE	1	65,673	0	0
WOODWARD INC	COM	980745103	12,401	109,584 SH	SOLE	1	109,584	0	0
WORKDAY INC CLASS A	COM	98138H101	2,027	9,859 SH	SOLE	1	9,859	0	0
WORKIVA INC	COM	98139A105	1,295	22,287 SH	SOLE	1	22,287	0	0
WORLD ACCEPTANCE CORP	COM	981419104	813	4,955 SH	SOLE	1	4,955	0	0
WORLD FUEL SERVICES CORP	COM	981475106	6,203	172,504 SH	SOLE	1	172,504	0	0
WORLD WRESTLING ENTERTAIN A	COM	98156Q108	6,185	85,657 SH	SOLE	1	85,657	0	0
WORTHINGTON INDUSTRIES	COM	981811102	4,051	100,611 SH	SOLE	1	100,611	0	0
WP CAREY INC	COM	92936U109	222	2,740 SH	SOLE	1	2,740	0	0
WPX ENERGY INC	COM	98212B103	8,930	775,876 SH	SOLE	1	775,876	0	0
WR BERKLEY CORP	COM	084423102	18,634	282,627 SH	SOLE	1	282,627	0	0
WR GRACE & CO	COM	38388F108	106	1,397 SH	SOLE	1	1,397	0	0
WRAP TECHNOLOGIES INC	COM	98212N107	30	4,837 SH	SOLE	1	4,837	0	0
WSFS FINANCIAL CORP	COM	929328102	1,381	33,430 SH	SOLE	1	33,430	0	0
WW GRAINGER INC	COM	384802104	4,597	17,138 SH	SOLE	1	17,138	0	0
WYNDHAM DESTINATIONS INC	COM	98310W108	9,156	208,564 SH	SOLE	1	208,564	0	0
WYNDHAM HOTELS & RESORTS INC	COM	98311A105	10,607	190,300 SH	SOLE	1	190,300	0	0
WYNN RESORTS LTD	COM	983134107	5,045	40,690 SH	SOLE	1	40,690	0	0
X4 PHARMACEUTICALS INC	COM	98420X103	67	4,439 SH	SOLE	1	4,439	0	0
XBIOTECH INC	COM	98400H102	81	10,623 SH	SOLE	1	10,623	0	0
XCEL ENERGY INC	COM	98389B100	12,289	206,567 SH	SOLE	1	206,567	0	0
XENCOR INC	COM	98401F105	1,231	30,083 SH	SOLE	1	30,083	0	0
XENIA HOTELS & RESORTS INC	COM	984017103	1,771	84,921 SH	SOLE	1	84,921	0	0
XERIS PHARMACEUTICALS INC	COM	98422L107	194	16,954 SH	SOLE	1	16,954	0	0
XEROX CORP	COM	984121608	2,450	69,179 SH	SOLE	1	69,179	0	0
XILINX INC	COM	983919101	12,749	108,113 SH	SOLE	1	108,113	0	0
XPERI CORP	COM	98421B100	760	36,932 SH	SOLE	1	36,932	0	0
XPO LOGISTICS INC	COM	983793100	10,411	180,093 SH	SOLE	1	180,093	0	0

XYLEM INC	COM	98419M100	5,159	61,677	SH	SOLE	1	61,677	0	0
Y MABS THERAPEUTICS INC	COM	984241109	296	12,939	SH	SOLE	1	12,939	0	0
YELP INC	COM	985817105	6,348	185,723	SH	SOLE	1	185,723	0	0
YETI HOLDINGS INC	COM	98585X104	569	19,657	SH	SOLE	1	19,657	0	0
YEXT INC	COM	98585N106	1,187	59,107	SH	SOLE	1	59,107	0	0
YORK WATER CO	COM	987184108	293	8,211	SH	SOLE	1	8,211	0	0
YOUNGEVITY INTERNATIONAL INC	COM	987537206	30	5,249	SH	SOLE	1	5,249	0	0
YPF S.A. SPONSORED ADR	ADR	984245100	38	2,106	SH	SOLE	1	2,106	0	0
YRC WORLDWIDE INC	COM	984249607	85	21,206	SH	SOLE	1	21,206	0	0
YUM BRANDS INC	COM	988498101	14,130	127,675	SH	SOLE	1	127,675	0	0
YUM CHINA HOLDINGS INC	COM	98850P109	617	13,351	SH	SOLE	1	13,351	0	0
YY INC ADR	ADR	98426T106	46	656	SH	SOLE	1	656	0	0
ZAGG INC	COM	98884U108	124	17,837	SH	SOLE	1	17,837	0	0
ZAYO GROUP HOLDINGS INC	COM	98919V105	182	5,521	SH	SOLE	1	5,521	0	0
ZEBRA TECHNOLOGIES CORP CL A	COM	989207105	22,183	105,891	SH	SOLE	1	105,891	0	0
ZENDESK INC	COM	98936J101	235	2,639	SH	SOLE	1	2,639	0	0
ZILLOW GROUP INC A	COM	98954M101	42	913	SH	SOLE	1	913	0	0
ZILLOW GROUP INC C	COM	98954M200	93	2,001	SH	SOLE	1	2,001	0	0
ZIMMER BIOMET HOLDINGS INC	COM	98956P102	8,070	68,542	SH	SOLE	1	68,542	0	0
ZIONS BANCORP NA	COM	989701107	3,070	66,771	SH	SOLE	1	66,771	0	0
ZIOPHARM ONCOLOGY INC	COM	98973P101	595	102,064	SH	SOLE	1	102,064	0	0
ZIX CORP	COM	98974P100	309	33,988	SH	SOLE	1	33,988	0	0
ZOETIS INC	COM	98978V103	25,480	224,514	SH	SOLE	1	224,514	0	0
ZOGENIX INC	COM	98978L204	1,296	27,122	SH	SOLE	1	27,122	0	0
ZSCALER INC	COM	98980G102	115	1,502	SH	SOLE	1	1,502	0	0
ZTO EXPRESS CAYMAN INC ADR	ADR	98980A105	80	4,200	SH	SOLE	1	4,200	0	0
ZUMIEZ INC	COM	989817101	388	14,859	SH	SOLE	1	14,859	0	0
ZUORA INC CLASS A	COM	98983V106	831	54,203	SH	SOLE	1	54,203	0	0
ZYNERBA PHARMACEUTICALS INC	COM	98986X109	179	13,220	SH	SOLE	1	13,220	0	0
ZYNEX INC	COM	98986M103	89	9,901	SH	SOLE	1	9,901	0	0
ZYNGA INC CL A	COM	98986T108	94	15,259	SH	SOLE	1	15,259	0	0