

MASSMUTUAL CORPORATE INVESTORS

Form N-Q

May 30, 2007

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM N-Q

Quarterly Schedule of Portfolio Holdings of
Registered Management Investment Company

Investment Company Act file number 811-02183

MassMutual Corporate Investors

(Exact name of registrant as specified in charter)

1500 Main Street, Suite 600, Springfield, MA 01115

(Address of principal executive offices) (Zip code)

Rodney J. Dillman, Vice President and Secretary,
1500 Main Street, Suite 2800, Springfield, MA 01115

(Name and address of agent for service)

Registrant's telephone number, including area code: 413-226-1000

Date of fiscal year end: 12/31

Date of reporting period: 03/31/07

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ITEM 1. SCHEDULE OF INVESTMENTS.

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CONSOLIDATED SCHEDULE OF INVESTMENTS
 March 31, 2007
 (Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES - 76.84%: (A)		
PRIVATE PLACEMENT INVESTMENTS - 70.31%		
A T I ACQUISITION COMPANY		
A for-profit post-secondary school serving students in Texas, Florida and Arizona.		
12% Senior Subordinated Note due 2012	\$ 2,125,000	04/08/0
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B)	2,323 shs.	04/08/0
Warrant, exercisable until 2012, to purchase preferred stock at \$.01 per share (B)	63,287 shs.	03/23/0
ADORN, INC.		
A manufacturer of wall panels, cabinets, moldings and countertops for houses and recreational vehicles.		
12.5% Subordinated Note due 2012	\$ 1,465,517	02/29/0
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B)	364 shs.	02/29/0
AERO HOLDINGS, INC.		
A provider of geospatial services to corporate and government clients.		
10.5% Senior Secured Term Note due 2014	\$ 1,627,500	03/09/0
14% Senior Subordinated Note due 2015	\$ 1,260,000	03/09/0
Common Stock (B)	262,500 shs.	03/09/0
Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	66,116 shs.	03/09/0
AMERCABLE, INC.		
A manufacturer of electric power, instrumentation and control cables, primarily for the mining and oil and gas industries.		
12% Senior Subordinated Note due 2013	\$ 1,101,852	04/08/0
Limited Partnership Interest (B)	0.36% int.	04/07/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	125 shs.	04/08/0
AMERICAN HOSPICE MANAGEMENT HOLDING LLC		
A for-profit hospice care provider in the United States.		
12% Senior Subordinated Note due 2010	\$ 2,125,000	01/22/0
Preferred Class A Unit (B)	3,223 uts.	
Common Class B Unit (B)	30,420 uts.	01/22/0
Common Class D Unit (B)	6,980 uts.	09/12/0

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ARROW TRU-LINE HOLDINGS, INC.

A manufacturer of hardware for residential and commercial overhead garage doors in North America.

12% Senior Subordinated Note due 2012	\$	1,627,660	05/18/0
Common Stock (B)		497 shs.	05/18/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)		130 shs.	05/18/0

*01/22/04 and 09/12/06.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
March 31, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

		Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
		-----	-----

CORPORATE RESTRICTED SECURITIES: (A) (Continued)

AUGUSTA SPORTSWEAR HOLDING CO.

A manufacturer and distributor of athletic apparel, activewear and team uniforms.

12% Senior Subordinated Note due 2012	\$	1,686,800	12/31/0
Common Stock (B)		520 shs.	
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)		137 shs.	12/31/0

BETA BRANDS LTD.

A manufacturer of hard candy and chocolate-coated products sold primarily to the Canadian market.

5% Promissory Note due 2009 (B)	\$	195,498	03/31/0
Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)		4,895 shs.	03/31/0

BRAVO SPORTS HOLDING CORPORATION

A designer and marketer of niche branded consumer products including canopies, trampolines, in-line skates, skateboards, and urethane wheels.

12.5% Senior Subordinated Note due 2014	\$	2,281,593	06/30/0
Preferred Stock Class A (B)		879 shs.	06/30/0
Common Stock (B)		1 sh.	06/30/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)		309 shs.	06/30/0

CAINS FOODS, L.P.

A producer of mayonnaise and sauce products for both the retail and food service markets.

Limited Partnership Interest (B)		3.69 % int.	09/29/9
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CAPEUCCESS LLC

A provider of diversified staffing services.

Preferred Membership Interests (B)	1,882 uts.	04/29/0
Common Membership Interests (B)	24,318 uts.	04/29/0

CAPITAL SPECIALTY PLASTICS, INC.

A producer of desiccant strips used for packaging pharmaceutical products.

Common Stock (B)	109 shs.	*
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COEUR, INC.

A producer of proprietary, disposable power injection syringes.

8.75% Senior Secured Term Note due 2010	\$ 462,862	04/30/0
11.5% Senior Subordinated Note due 2011	\$ 424,819	04/30/0
Common Stock (B)	126,812 shs.	04/30/0
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	87,672 shs.	04/30/0

*12/31/04, 03/31/05, and 05/02/06.

**12/30/97 and 05/29/99.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
March 31, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
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CORPORATE RESTRICTED SECURITIES: (A) (Continued)

COINING CORPORATION OF AMERICA LLC

A manufacturer of close tolerance parts and metal stampings.

10.6% Senior Secured Revolving Credit Facility due 2007 (C)	\$ 21,605	01/07/0
10.6% Senior Secured Tranche A Note due 2007 (C)	\$ 651,862	06/26/0
13% Senior Secured Tranche B Note due 2008	\$ 648,148	06/26/0
Limited Partnership Interest (B)	6.38% int.	06/26/0
Warrant, exercisable until 2008, to purchase common stock at \$.01 per share (B)	107,036 shs.	06/26/0

CONNECTICUT ELECTRIC, INC.

A supplier and distributor of electrical products sold into the retail and wholesale markets.

12% Senior Subordinated Note due 2014	\$ 2,393,954	01/12/0
Limited Liability Company Unit Class A (B)	156,046 uts.	01/12/0
Limited Liability Company Unit Class C (B)	112,873 uts.	01/12/0

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CONNOR SPORT COURT INTERNATIONAL, INC.

A designer and manufacturer of outdoor and indoor synthetic sports flooring and other temporary flooring products.

12% Senior Subordinated Note due 2012 (D)	\$	2,001,121	
Limited Partnership Interest (B)		7.74% int.	*
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)		174 shs.	

CONSOLIDATED FOUNDRIES HOLDINGS

A manufacturer of engineered cast metal components for the global aerospace and defense industries.

12% Senior Subordinated Note due 2013	\$	2,185,714	06/15/0
Common Stock (B)		509 shs.	**
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)		103 shs.	06/15/0

COREPHARMA LLC

A manufacturer of oral dose generic pharmaceuticals targeted at niche applications.

12% Senior Subordinated Note due 2013	\$	2,550,000	08/04/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)		20 shs.	08/04/0

DAVIS-STANDARD LLC

A manufacturer, assembler, and installer of a broad range of capital equipment that is used in the extrusion, conversion, and processing of plastic materials.

12% Senior Subordinated Note due 2014	\$	1,847,826	10/30/0
Limited Partnership Interest (B)		702,174 uts.	10/30/0
Warrant, exercisable until 2014, to purchase preferred stock at \$.01 per share (B)		50 shs.	10/30/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)		34 shs.	10/30/0

*08/12/04 and 01/18/05.

**08/12/04 and 01/14/05.

***06/15/05 and 05/22/06.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
 March 31, 2007
 (Unaudited)

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	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----

DELTACOM, INC.

A provider of integrated communications services in the

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southeastern United States.

13.88% Senior Secured Note due 2009 (C)	\$ 2,248,927	07/26/0
17.38% Senior Secured Note due 2009 (C)	\$ 368,300	07/26/0
Warrant, exercisable until 2009, to purchase convertible preferred stock at \$.03 per share (B)	102,884 shs.	07/26/0

DEXTER MAGNETICS TECHNOLOGIES, INC.

A designer, fabricator, assembler and distributor of industrial magnets and subassemblies in North America and Europe.

Common Stock (B)	585 shs.	07/19/0
Warrant, exercisable until 2007, to purchase common stock at \$.01 per share	297 shs.	07/19/0

DIRECTED ELECTRONICS, INC

A designer and distributor of brand name automotive security systems, audio products and installation accessories

Common Stock (B)	368,560 shs.	
Limited Partnership Interest (B)	8.70% int.	*

DIVERSCO, INC./DHI HOLDINGS, INC.

A contract provider of janitorial and equipment maintenance services and temporary production labor to industrial customers.

Membership Interests of MM/Lincap		
Diversco Investments Ltd. LLC (B)	27.19% int.	08/27/9
Preferred Stock (B)	3,278 shs.	12/14/0
Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B)	13,003 shs.	**

DUNCAN SYSTEMS, INC.

A distributor of windshields and side glass for the recreational vehicle market.

10% Senior Secured Term Note due 2013	\$ 540,000	11/01/0
13% Senior Subordinated Note due 2014	\$ 855,000	11/01/0
Common Stock (B)	180,000 shs.	11/01/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	56,514 shs.	11/01/0

DWYER GROUP, INC.

A franchiser of a variety of home repair services.

Common Stock (B)	6,906 shs.	***
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	2,034 shs.	10/30/0

*12/19/05 and 06/17/06.

**12/22/99 and 09/14/05.

***10/24/96 and 08/28/98.

****10/30/03 and 01/02/04.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
 March 31, 2007
 (Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
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E X C ACQUISITION CORPORATION		
A manufacturer of pre-filled syringes and pump systems used for intravenous drug delivery. Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	22 shs.	06/28/0
EAGLE PACK PET FOODS, INC.		
A manufacturer of premium pet food sold through independent pet stores. 12% Senior Subordinated Note due 2011 Warrant, exercisable until 2011, to purchase common stock at \$.02 per share (B)	\$ 1,517,857 4,085 shs.	09/24/0
ENZYMATIC THERAPY, INC.		
A manufacturer and distributor of branded natural medicines and nutritional supplements. Limited Partnership Interest (B) Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)	1.32% int. 29,117 shs.	03/30/0 03/30/0
EVANS CONSOLES, INC.		
A designer and manufacturer of consoles and control center systems. Common Stock	90,000 shs.	05/06/0
F H S HOLDINGS LLC		
A national provider of customized disease management services to large self-insured employers. 12% Senior Subordinated Note due 2014 Preferred Unit (B) Common Unit (B) Common Unit Class B (B)	\$ 2,390,625 158 uts. 1,594 uts. 1,386 uts.	06/01/0 06/01/0 06/01/0 06/01/0
FLUTES, INC.		
An independent manufacturer of micro fluted corrugated sheet material for the food and consumer products packaging industries. 10% Senior Secured Term Note due 2013 14% Senior Subordinated Note due 2014 Common Stock (B) Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	\$ 918,385 \$ 555,059 109,436 shs. 30,940 shs.	04/13/0 04/13/0 04/13/0 04/13/0

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FOWLER HOLDING, INC.

A provider of site development services to residential homebuilders and developers in the Raleigh/Durham region of North Carolina.

12% Senior Subordinated Note due 2013	\$	2,365,217	02/03/0
Common Stock (B)		185 shs.	02/03/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)		254 shs.	02/03/0

*09/24/04 and 4/20/06.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
 March 31, 2007
 (Unaudited)

MASSMUTUAL CORPORATE INVESTORS

		Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
		-----	-----

CORPORATE RESTRICTED SECURITIES: (A) (Continued)

FUEL SYSTEMS HOLDING CORPORATION

An independent North American supplier of fuel tanks for a wide variety of commercial vehicles.

12% Senior Subordinated Note due 2014	\$	2,337,500	01/31/0
Common Stock (B)		212,500 shs.	01/31/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)		138,408 shs.	01/31/0

H M HOLDING COMPANY

A designer, manufacturer, and importer of promotional and wood furniture.

12% Senior Subordinated Note due 2013	\$	2,210,000	02/10/0
Common Stock (B)		340 shs.	02/10/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)		126 shs.	02/10/0

HAWK PRECISION COMPONENTS GROUP, INC.

A manufacturer of powder metal and metal injection molded precision components used in industrial, consumer, and other applications.

12% Senior Subordinated Note due 2014	\$	1,530,000	02/02/0
Limited Partnership Interest of Saw Mill PCG Partners LLC (B)		1,020 uts.	02/02/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)		91 shs.	02/02/0

HIGHGATE CAPITAL LLC

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An acquirer of controlling or substantial interests in manufacturing and marketing entities.

Series A Preferred Units (B) 1.19% int. 07/21/9

HOME DECOR HOLDING COMPANY

A designer, manufacturer and marketer of framed art and wall decor products.

12.5% Senior Subordinated Note due 2012	\$	2,043,269	
Common Stock (B)		63 shs.	
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B)			200 shs.

INTEGRATION TECHNOLOGY SYSTEMS, INC.

A manufacturer of steel protective computer and network systems for the industrial and office environments

12% Senior Secured Note due 2008	\$	1,644,444	03/01/0
Common Stock (B)		228 shs.	06/01/0

JASON, INC.

A diversified manufacturing company serving various industrial markets.

13% Senior Subordinated Note due 2008	\$	963,687	08/04/0
14% Cumulative Redeemable Preferred Stock Series A (B)		289 shs.	08/04/0
Limited Partnership Interest of Saw Mill Capital Fund II, L.P. (B)			2.50% int. 08/03/0
Warrants, exercisable until 2008 and 2009, to purchase common stock at \$.01 per share (B)			50,870 shs. 08/04/0

*06/30/04 and 08/19/04.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
March 31, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

		Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)		-----	-----

JUSTRITE MANUFACTURING ACQUISITION CO.

A manufacturer of safety products such as storage cabinets and containers.

12% Senior Subordinated Note due 2011	\$	1,593,750	12/15/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)		1,121 shs.	12/15/0

K N B HOLDINGS CORPORATION

A designer, manufacturer and marketer of products for the custom framing market.

13.5% Senior Subordinated Note due 2013	\$	2,437,593	05/25/0
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Common Stock (B)	134,210 shs.	05/25/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	82,357 shs.	05/25/0
K W P I HOLDINGS CORPORATION		
A manufacturer and distributor of vinyl windows and patio doors throughout the northwestern United States.		
12% Senior Subordinated Note due 2014	\$ 2,318,000	03/14/0
Common Stock (B)	232 shs.	03/13/0
Warrant, exercisable until 2017, to purchase common stock at \$.01 per share (B)	167 shs.	03/14/0
KEEPSAKE QUILTING, INC.		
A seller of quilting fabrics, books, patterns, kits and notions to consumers.		
8.35% Senior Secured Revolving Note due 2007 (C)	\$ 146,771	06/16/0
8.35% Senior Secured Tranche A Note due 2007 (C)	\$ 68,799	07/19/0
12% Senior Secured Tranche B Note due 2008	\$ 550,392	06/16/0
Limited Partnership Interest of Riverside XVI Holding Company, L.P. (B)	5.29% int.	06/12/0
Warrant, exercisable until 2008, to purchase common stock at \$.01 per share (B)	1,108 shs.	06/12/0
KELE AND ASSOCIATES, INC.		
A distributor of building automation control products.		
12% Senior Subordinated Note due 2012	\$ 1,831,548	02/27/0
Preferred Stock (B)	23 shs.	11/24/0
Common Stock (B)	12 shs.	02/27/0
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B)	11 shs.	02/27/0
LIH INVESTORS, L.P.		
A manufacturer and marketer of a broad line of external accessories for new and used sport utility vehicles, trucks and vans.		
12.5% Senior Subordinated Note due 2008 (D)	\$ 3,845,000	
Common Stock (B)	5,800 shs.	
Warrant, exercisable until 2008, to purchase common stock at \$.11 per share (B)	15,572 shs.	

*12/23/98 and 01/28/99.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
March 31, 2007
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MASSMUTUAL CORPORATE INVESTORS

Shares, Units,
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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount -----	Date -----
MAGNATECH INTERNATIONAL, INC.		
A supplier of process equipment and related parts used in the manufacturing of medium and high-pressure reinforced hoses.		
12% Senior Subordinated Note due 2014	\$ 1,275,000	04/05/0
13% Preferred Stock (B)	565 shs.	04/05/0
Common Stock (B)	125 shs.	04/05/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	13 shs.	04/05/0
MAVERICK ACQUISITION COMPANY		
A manufacturer of capsules that cover the cork and neck of wine bottles.		
9.85% Senior Secured Tranche A Note due 2010 (C)	\$ 637,169	09/03/0
12% Senior Secured Tranche B Note due 2011	\$ 313,433	09/03/0
Limited Partnership Interest (B)	7.84% int.	09/03/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	425 shs.	09/03/0
MAXON CORPORATION		
A manufacturer of industrial combustion equipment and related shut-off valves and control valves.		
12% Senior Subordinated Note due 2012	\$ 962,215	09/30/0
8.75% Senior Subordinated Note due 2012	\$ 1,155,562	09/30/0
Common Stock (B)	381,672 shs.	09/30/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	153,572 shs.	09/30/0
MEDASSIST, INC.		
A provider of patient eligibility and accounts receivable management services to hospitals and physician practices.		
8% Preferred Stock (B)	84 shs.	10/28/0
Common Stock (B)	26,185 shs.	10/28/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	84,637 shs.	05/01/0
MICROGROUP, INC.		
A manufacturer of precision parts and assemblies, and a value-added supplier of metal tubing and bars.		
12% Senior Subordinated Note due 2013	\$ 2,685,614	
Common Stock (B)	450 shs.	
Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B)	164 shs.	
MOMENTUM HOLDING CO.		
A designer and supplier of upholstery fabric to commercial furniture manufacturers and architectural and design firms.		
12% Senior Subordinated Note due 2014	\$ 1,168,847	08/04/0
Limited Partnership Interest (B)	106,153 uts.	08/04/0

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Warrant, exercisable until 2014, to purchase
common stock at \$.01 per share (B)

1,107 shs. 08/04/0

*08/12/05 and 09/11/06.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----
 MONESSEN HOLDING CORPORATION		
A designer and manufacturer of a broad line of gas, wood, and electric hearth products and accessories.		
12% Senior Subordinated Note due 2014	\$ 2,550,000	03/31/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	152 shs.	03/31/0
 MORTON INDUSTRIAL GROUP, INC.		
A manufacturer of highly engineered metal fabricated components.		
12% Senior Subordinated Note due 2014	\$ 2,440,909	08/25/0
Common Stock (B)	109,091 shs.	08/25/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	173,633 shs.	08/25/0
 MOSS, INC.		
A manufacturer and distributor of large display and exhibit structures.		
Limited Partnership Interest of Riverside Capital Appreciation Fund I, L.P. (B)	33.59% int.	
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	214 shs.	12/21/0
 NABCO, INC.		
A producer of explosive containment vessels in the United States.		
12% Senior Subordinated Note due 2014	\$ 625,000	02/24/0
Limited Liability Company Unit (B)	650 uts.	02/24/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	48 shs.	02/24/0
 NAVIS GLOBAL		
A designer, manufacturer, seller and servicer of finishing machinery for the knit and woven segments of the global		

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textile industry.

12% Senior Subordinated Note due 2014	\$ 1,234,551	05/28/0
8.75% Senior Secured Note due 2011	\$ 716,292	05/28/0
Common Stock (B)	674,157 shs.	05/28/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	203,912 shs.	05/28/0

NONNI'S FOOD COMPANY

A producer and distributor of premium biscotti and bagel chips in North America.

12.25% Senior Subordinated Note due 2012	\$ 1,863,462	03/29/0
10% Preferred Stock (B)	255 shs.	03/29/0
Common Stock (B)	6,455 shs.	03/29/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	8,622 shs.	03/29/0

*09/20/00, 05/23/02, and 02/21/07.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
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	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)		

NYLONCRAFT, INC.

A supplier of engineered plastic components for the automotive industry.

9% Senior Secured Note due 2009	\$ 812,500	01/28/0
11.5% Senior Subordinated Note due 2012	\$ 1,500,000	01/28/0
Common Stock (B)	312,500 shs.	01/28/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	243,223 shs.	01/28/0

O R S NASCO HOLDING, INC.

A wholesale distributor of industrial supplies in North America.

13% Senior Subordinated Note due 2013	\$ 2,372,732	12/20/0
Common Stock (B)	177,268 shs.	12/20/0
Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	99,771 shs.	12/20/0

OAKRIVER TECHNOLOGY, INC.

Designs, engineers and assembles high precision automated process equipment for the medical device industry, with a focus on defibrillators and stents.

10% Senior Secured Note due 2012	\$ 565,452	01/03/0
13% Senior Subordinated Note due 2013	\$ 687,241	01/03/0

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Common Stock (B)	322,307 shs.	01/03/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	75,378 shs.	01/03/0
 OLYMPIC SALES, INC.		
A boat retailer in Washington state, Oregon, California and British Columbia.		
12% Senior Subordinated Note due 2008	\$ 1,606,000	08/07/9
12% Senior Subordinated Note due 2008	\$ 307,071	02/09/0
Limited Partnership Interest of Riverside VIII, VIII-A and VIII-B Holding Company, L.P.	20.57% int.	
Warrants, exercisable until 2007 and 2008, to purchase common stock at \$.01 per share (B)	28,648 shs.	*
 ONTARIO DRIVE & GEAR LTD.		
A manufacturer of all-wheel drive, off-road amphibious vehicles and related accessories.		
13% Senior Subordinated Note due 2013	\$ 1,977,885	01/17/0
Limited Liability Company Unit (B)	3,667 uts.	01/17/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	619 shs.	01/17/0
 OVERTON'S HOLDING COMPANY		
A marketer of marine and water sports accessories in the United States.		
12% Senior Subordinated Note due 2014	\$ 1,817,308	04/28/0
Common Stock (B)	95 shs.	04/28/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	94 shs.	04/28/0

*08/07/98, 02/23/99, 12/22/99 and 02/25/03.
**08/07/98 and 02/09/00.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
March 31, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----
 P A S HOLDCO LLC		
An independent provider of maintenance, repair and overhaul services to the aerospace gas turbine engine and airframe markets.		
14% Senior Subordinated Note due 2014	\$ 2,189,217	07/03/0
Preferred Unit (B)	382 uts.	07/03/0
Preferred Unit (B)	69 uts.	07/03/0
Common Unit Class I (B)	148 uts.	07/03/0

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Common Unit Class L (B) 31 uts. 07/03/0

P I I HOLDING CORPORATION

A manufacturer of plastic film and bags for the general industrial, medical, and food industries.

12% Senior Subordinated Note due 2013	\$	2,295,000	03/31/0
Preferred Stock (B)		36 shs.	03/31/0
Common Stock (B)		23 shs.	03/31/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)		13 shs.	03/31/0

PARADIGM PACKAGING, INC.

A manufacturer of plastic bottles and closures for the nutritional, pharmaceutical, personal care and food packaging markets.

12% Senior Subordinated Note due 2008	\$	2,125,000	12/19/0
Membership Interests of MM/Lincap PPI Investments, Inc., LLC (B)		2.42% int.	12/21/0

POSTLE ALUMINUM COMPANY LLC

A manufacturer and distributor of aluminum extruded products.

12% Senior Subordinated Note due 2014	\$	2,040,000	10/02/0
Limited Liability Company Unit (B)		1,384 uts.	10/02/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)		344 shs.	10/02/0

PROTEIN GENETICS, INC.

A producer of bovine artificial insemination products, related breeding and healthcare products and specialty genetics sold to the dairy and beef industries.

9.8% Redeemable Exchangeable Preferred Stock (B)		1,004 shs.	08/12/9
Common Stock (B)		2,600 shs.	

QUALIS AUTOMOTIVE LLC

A distributor of aftermarket automotive brake and chassis products.

12% Senior Subordinated Note due 2012	\$	1,770,833	05/28/0
Common Stock		354,166 shs.	05/28/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share		377,719 shs.	05/28/0

*11/14/01 and 08/12/94.

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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
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QUALSERV CORPORATION		
A provider of foodservice equipment and supplies to major restaurant chains and their franchisees.		
14% Senior Subordinated Note due 2012 (D)	\$ 1,893,563	07/09/0
Limited Partnership Interest (B)	9.26% int.	07/09/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	528 shs.	07/09/0
R A J MANUFACTURING HOLDINGS LLC		
A designer and manufacturer of women's swimwear sold under a variety of licensed brand names.		
12.5% Senior Subordinated Note due 2014	\$ 2,267,190	12/15/0
Limited Liability Company Unit (B)	2,828 uts.	12/15/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	3 shs.	12/15/0
RADIAC ABRASIVES, INC.		
A manufacturer of bonded abrasive and super abrasive grinding wheels in the United States.		
12% Senior Subordinated Note due 2014	\$ 2,260,638	02/10/0
Common Stock (B)	289,362 shs.	02/10/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	131,555 shs.	02/10/0
RIVER RANCH FRESH FOODS LLC		
A supplier of fresh produce to the retail and foodservice channels.		
13% Senior Subordinated Note due 2011 (D)	\$ 1,841,667	09/29/0
Limited Liability Company Unit (B)	40,610 uts.	09/29/0
18% Preferred Stock (B)	141,667 shs.	11/16/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	23,575 shs.	09/29/0
ROYAL BATHS MANUFACTURING COMPANY		
A manufacturer and distributor of acrylic and cultured marble bathroom products.		
12.5% Senior Subordinated Notes due 2011	\$ 1,062,500	11/14/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	140 shs.	11/14/0
SAFETY SPEED CUT MANUFACTURING COMPANY, INC.		
A manufacturer of vertical panel saws and routers for the wood working industry.		
8.85% Senior Secured Tranche A Note due 2007 (C)	\$ 141,332	06/02/9
12% Senior Secured Tranche B Note Due 2007	\$ 1,130,652	06/02/9

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Class B Common Stock (B)	1,480 shs.	06/02/9
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SAVAGE SPORTS HOLDING, INC.

A manufacturer of sporting firearms.

12% Senior Subordinated Note due 2012	\$ 1,538,793	09/10/0
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Common Stock (B)	586 shs.	09/10/0
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Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	134 shs.	09/10/0
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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
March 31, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
	-----	-----

CORPORATE RESTRICTED SECURITIES: (A) (Continued)

SPECIALTY FOODS GROUP, INC.

A manufacturer and distributor of branded meat products.

Limited Partnership Interest of MHD Holdings LLC	1.43% int.	08/29/0
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STANTON CARPET HOLDING CO.

A designer and marketer of high and mid-priced decorative carpets and rugs.

12.13% Senior Subordinated Note due 2014	\$ 2,239,024	08/01/0
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Common Stock (B)	311 shs.	08/01/0
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Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	104 shs.	08/01/0
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STRATEGIC EQUIPMENT & SUPPLY CORPORATION, INC.

A provider of kitchen and restaurant design, equipment fabrication and installation services.

Warrant, exercisable until 2008, to purchase common stock at \$.01 per share (B)	106,539 shs.	01/14/0
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SYNVENTIVE EQUITY LLC

A manufacturer of hot runner systems used in the plastic injection molding process.

Limited Liability Company Unit (B)	1.99% int.	08/20/0
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Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	86,780 shs.	08/21/0
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TANGENT RAIL CORPORATION

A manufacturer of rail ties and provides specialty services to the North American railroad industry.

13% Senior Subordinated Note due 2013	\$ 2,217,385	10/14/0
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Preferred Stock	1,324 shs.	10/14/0
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Common Stock (B)	2,203 shs.	10/14/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	1,167 shs.	10/14/0

TERRA RENEWAL SERVICES, INC.

A provider of wastewater residual management and required environmental reporting, permitting, nutrient management planning and record keeping to companies involved in poultry and food processing.

8.6% Senior Secured Tranche B Note due 2012 (C)	\$ 1,530,066	
12% Senior Subordinated Note due 2014	\$ 1,162,110	*
Limited Partnership Interest of Saw Mill Capital Fund V, L.P.	2.30% int.	03/01/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	72 shs.	04/28/0

TOTAL EQUIPMENT & SERVICE, INC.

A manufacturer of a wide variety of equipment used in the oil and gas industry.

10.5% Senior Secured Term Note due 2013	\$ 851,351	03/02/0
13% Senior Subordinated Note due 2014	\$ 598,450	03/02/0
Common Stock (B)	125,199 shs.	03/02/0
Warrant, exercisable until 2014 to purchase common stock at \$.01 per share (B)	34,533 shs.	03/02/0

*04/28/06 and 12/21/06.

**04/28/06 and 09/13/06.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
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MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----

THE TRANZONIC COMPANIES

A producer of commercial and industrial supplies, such as safety products, janitorial supplies, work apparel, washroom and restroom supplies and sanitary care products.

13% Senior Subordinated Note due 2009	\$ 2,712,000	02/05/9
Common Stock (B)	630 shs.	02/04/9
Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)	444 shs.	02/05/9

TRANSTAR HOLDING COMPANY

A distributor of aftermarket automotive transmission parts.

12% Senior Subordinated Note due 2013	\$ 1,734,000	08/31/0
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Common Stock (B)	816 shs.	08/31/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	86 shs.	08/31/0

TRONAIR, INC.

A designer, engineer and manufacturer of ground support equipment for the business, commuter and commercial aviation markets.

10.5% Senior Secured Term Note due 2008	\$ 395,108	01/20/0
12% Senior Subordinated Note due 2010	\$ 1,326,500	01/20/0
Common Stock (B)	227,400 shs.	01/20/0
Warrant, exercisable until 2010, to purchase common stock at \$1 per share (B)	260,563 shs.	01/20/0

TRUCK BODIES & EQUIPMENT INTERNATIONAL

A designer and manufacturer of accessories for heavy and medium duty trucks, primarily dump bodies, hoists, various forms of flat-bed bodies, landscape bodies and other accessories.

12% Senior Subordinated Note due 2013	\$ 2,309,541	
Common Stock (B)	742 shs.	
Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B)	153 shs.	

TRUSTILE DOORS, INC.

A manufacturer and distributor of interior doors.

12.5% Senior Subordinated Note due 2010	\$ 1,062,500	04/11/0
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	5,781 shs.	04/11/0

U S S HOLDINGS, INC.

A producer of high grade industrial and specialty silica sands.

14% Redeemable Preferred Stock (B)	997 shs.	09/30/9
Convertible Preferred Stock Series A and B, convertible into common stock at \$8.02 per share (B)	145,446 shs.	12/19/9
Common Stock (B)	20,027 shs.	09/30/9
Warrants, exercisable until 2010 to purchase common stock at \$.01 per share (B)	4,918 shs.	*

*07/19/05 and 12/22/05.

**12/19/96 and 09/30/99.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
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MASSMUTUAL CORPORATE INVESTORS

Shares, Units,
Warrants,
Ownership or Acquisit

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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount	Date
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U-LINE CORPORATION		
A manufacturer of high-end, built-in, undercounter ice making, wine storage and refrigeration appliances.		
12.5% Senior Subordinated Note due 2012	\$ 1,882,100	04/30/0
Common Stock (B)	182 shs.	04/30/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	230 shs.	04/30/0
VICTORY VENTURES LLC		
An acquirer of controlling or substantial interests in other entities.		
Series A Preferred Units (B)	0.15% int.	12/02/9
VITALITY FOODSERVICE, INC.		
A non-carbonated beverage dispensing company focused on the foodservice industry.		
15% Senior Subordinated Note due 2011	\$ 1,948,061	09/24/0
Common Stock (B)	26,456 shs.	
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	23,787 shs.	09/24/0
VITEX PACKAGING GROUP, INC.		
A manufacturer of specialty packaging, primarily envelopes and tags used on tea bags.		
12.5% Senior Subordinated Note due 2012	\$ 1,700,000	07/19/0
Limited Liability Company Unit Class A (B)	1.75% int.	07/19/0
Limited Liability Company Unit Class B (B)	0.77% int.	07/19/0
WALLS INDUSTRIES, INC.		
A provider of branded workwear and sporting goods apparel.		
12.35% Senior Subordinated Lien Note due 2009 (C)	\$ 652,413	07/12/0
14% Senior Subordinated Note due 2012	\$ 1,085,380	07/12/0
Limited Partnership Interest (B)	0.40% int.	07/12/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	4,029 shs.	07/12/0
WELLBORN FOREST HOLDING CO.		
A manufacturer of semi-custom kitchen and bath cabinetry.		
12.13% Senior Subordinated Note due 2014	\$ 1,721,250	11/30/0
Common Stock (B)	191 shs.	11/30/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	95 shs.	11/30/0
Total Private Placement Investments		
*09/24/04 and 12/22/06.		

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
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MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (CONTINUED)	Interest Rate	Due Date	Shares or Principal Amount	Cost
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RULE 144A SECURITIES - 6.53%:				
BONDS - 6.53%				
American Tire Distributor (C)	11.610%	04/01/12	\$ 1,000,000	\$ 950,000
Aramark Corporation	8.500	02/01/15	200,000	200,000
Aramark Corporation	8.860	02/01/15	200,000	200,000
Bombardier, Inc.	6.300	05/01/14	1,000,000	890,000
Calpine Corporation	8.750	07/15/13	500,000	465,000
Chaparral Energy, Inc.	8.875	02/01/17	1,500,000	1,491,780
Charter Communications Op LLC	8.000	04/30/12	250,000	249,370
Douglas Dynamics LLC	7.750	01/15/12	630,000	633,130
G F S I, Inc. (C)	11.500	06/01/11	750,000	682,540
H C A, Inc.	9.250	11/15/16	975,000	992,070
Hawker Beechcraft Acquisition Co.	9.750	04/01/17	50,000	50,000
Idearc, Inc.	8.000	11/15/16	600,000	600,000
Packaging Dynamics Corporation of America	10.000	05/01/16	1,250,000	1,256,710
Pregis Corporation	12.375	10/15/13	1,000,000	981,490
Rental Service Corporation	9.500	12/01/14	1,000,000	1,014,070
Sbarro, Inc.	10.375	02/01/15	1,000,000	1,019,850
Steel Dynamics, Inc.	6.750	04/01/15	200,000	200,000
Stewart & Stevenson LLC	10.000	07/15/14	1,500,000	1,540,280
Tekni-Plex, Inc.	9.750	11/15/13	650,000	655,600
Tenaska Alabama Partners LP	7.000	06/30/21	342,701	342,700
Titan International, Inc.	8.000	01/15/12	150,000	150,000
Tube City IMS Corporation	9.750	02/01/15	625,000	649,890
Tunica-Biloxi Gaming Authority	9.000	11/15/15	1,000,000	1,031,670
TOTAL BONDS				16,246,200
COMMON STOCK - 0.00%				
Jordan Telecom Products (B)			70	\$ 14,000
TOTAL COMMON STOCK				14,000
WARRANTS - 0.00%				
Winsloew Furniture, Inc. (B)			900	\$
TOTAL WARRANTS				
TOTAL RULE 144A SECURITIES				16,260,210
TOTAL CORPORATE RESTRICTED SECURITIES				\$197,007,340

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
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MASSMUTUAL CORPORATE INVESTORS

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CORPORATE PUBLIC SECURITIES - 27.16%: (A)	Interest Rate	Due Date	Principal Amount	Cost

BONDS - 25.87%				
A M C Entertainment, Inc.	11.000%	02/01/16	\$ 815,000	\$ 817,36
Activant Solutions, Inc.	9.500	05/01/16	150,000	150,00
Affinia Group, Inc.	9.000	11/30/14	1,010,000	936,12
Alamosa Delaware, Inc.	11.000	07/31/10	325,000	328,52
Alamosa Delaware, Inc.	8.500	01/31/12	400,000	400,00
ALH Fin LLC / ALH Fin Corporation	8.500	01/15/13	1,450,000	1,418,81
Allied Waste NA	7.875	04/15/13	1,000,000	1,021,45
Appleton Papers, Inc.	8.125	06/15/11	300,000	300,00
Atlas Pipeline Partners	8.125	12/15/15	200,000	200,00
Bally Total Fitness Holdings Corporation	9.875	10/15/07	135,000	128,92
Basic Energy Services	7.125	04/15/16	225,000	225,00
BCP Crystal US Holdings Corporation	9.625	06/15/14	485,000	485,00
Blockbuster, Inc. (C)	9.000	09/01/12	475,000	475,90
Brigham Exploration Co.	9.625	05/01/14	700,000	690,40
CCH I Holdings LLC	11.125	01/15/14	2,000,000	1,573,68
Cablevision Systems Corporation	8.000	04/15/12	1,000,000	1,013,07
Cenveo Corporation	7.875	12/01/13	1,100,000	1,100,00
Chemed Corporation	8.750	02/24/11	1,125,000	1,125,00
Cincinnati Bell, Inc.	8.375	01/15/14	1,100,000	1,007,50
Clayton Williams Energy, Inc.	7.750	08/01/13	800,000	800,00
Dave and Buster's, Inc.	11.250	03/15/14	1,500,000	1,537,56
Del Monte Corporation	8.625	12/15/12	225,000	225,00
Dynegy Holdings, Inc.	6.875	04/01/11	500,000	422,50
Dynegy Holdings, Inc.	8.375	05/01/16	330,000	330,00
Edison Mission Energy	7.750	06/15/16	55,000	55,00
Esterline Technologies	7.750	06/15/13	200,000	200,00
Flextronics International Ltd.	6.500	05/15/13	400,000	400,00
Ford Motor Credit Co.	7.375	10/28/09	1,250,000	1,246,87
Ford Motor Credit Co.	8.000	12/15/16	300,000	294,96
Freeport-McMoran Copper & Gold	8.375	04/01/17	385,000	385,00
Gencorp, Inc.	9.500	08/15/13	259,000	259,00
General Motors Acceptance Corporation	7.750	01/19/10	1,250,000	1,290,03
General Motors Corporation	8.250	07/15/23	1,000,000	920,00
Goodyear Tire & Rubber Co.	7.857	08/15/11	1,400,000	1,342,75
GulfMark Offshore, Inc.	7.750	07/15/14	565,000	562,59
Hawaiian Telcom Communications	12.500	05/01/15	1,425,000	1,567,97
Inergy LP	8.250	03/01/16	150,000	150,00
Insurance Auto Auctions, Inc.	11.000	04/01/13	1,000,000	1,008,74
Interline Brands, Inc.	8.125	06/15/14	325,000	322,67
Iron Mountain, Inc.	8.750	07/15/18	1,065,000	1,099,56
Koppers, Inc.	9.875	10/15/13	477,000	477,00
Land O'Lakes, Inc.	9.000	12/15/10	750,000	750,00
Lazard LLC	7.125	05/15/15	750,000	749,40
Leucadia National Corporation	7.000	08/15/13	650,000	660,69
Liberty Media Corporation	5.700	05/15/13	1,000,000	951,61
M G M Mirage, Inc.	6.000	10/01/09	375,000	378,01
Mac-Gray Corporation	7.625	08/15/15	600,000	600,00
Majestic Star Casino LLC	9.500	10/15/10	500,000	500,00
Manitowoc Company, Inc.	7.125	11/01/13	200,000	200,00
Markwest Energy Operating Co.	6.875	11/01/14	775,000	763,00
Mediacom Broadband LLC	8.500	10/15/15	1,000,000	1,021,84
Metaldyne Corporation	11.000	06/15/12	750,000	601,25
Metaldyne Corporation (C)	10.000	11/01/13	510,000	513,40
N R G Energy, Inc.	7.375	02/01/16	175,000	175,00
NTL Cable PLC	9.125	08/15/16	980,000	1,002,68
Nalco Co.	7.750	11/15/11	500,000	500,00
Neiman Marcus Group, Inc.	10.375	10/15/15	1,250,000	1,250,00

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Newark Group, Inc. 9.750 03/15/14 850,000 796,86

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Corporate Public Securities: (A) (Continued)	Interest Rate	Due Date	Principal Amount	Cost
BONDS, CONTINUED				
North American Energy Partners	8.750%	12/01/11	\$ 400,000	\$ 400,00
Nova Chemicals Corporation (C)	8.502	11/15/13	475,000	475,00
O E D Corp / Diamond Jo Company Guarantee	8.750	04/15/12	1,000,000	985,96
Offshore Logistics, Inc.	6.125	06/15/13	450,000	450,00
P Q Corporation	7.500	02/15/13	1,100,000	1,088,75
Pacific Energy Partners	7.125	06/15/14	500,000	503,62
Pacific Energy Partners	6.250	09/15/15	150,000	149,31
Petrohawk Energy Corp.	9.125	07/15/13	1,000,000	997,86
Pinnacle Foods Group	8.250	12/01/13	450,000	450,00
Pliant Corporation (C)	11.850	06/15/09	882,910	887,66
Primedia, Inc.	8.000	05/15/13	1,000,000	1,021,96
Quality Distribution LLC	9.000	11/15/10	1,030,000	1,001,57
Quality Distribution LLC (C)	9.860	01/15/12	325,000	323,37
Quicksilver Resources, Inc.	7.125	04/01/16	500,000	500,00
Rent-A-Center, Inc.	7.500	05/01/10	400,000	400,00
Rock-Tenn Co.	8.200	08/15/11	175,000	176,08
Service Corp International (C)	7.000	06/15/17	1,000,000	990,03
Sheridan Acquisition Corporation	10.250	08/15/11	375,000	370,00
Sierra Pacific Resources	6.750	08/15/17	635,000	638,10
Stanadyne Corporation	10.000	08/15/14	1,500,000	1,500,00
Stratos Global	9.875	02/15/13	575,000	578,58
Tekni-Plex, Inc.	12.750	06/15/10	1,000,000	960,12
Tenet Healthcare Corporation	9.875	07/01/14	500,000	488,37
Tenneco, Inc.	8.625	11/15/14	1,000,000	1,002,50
Tennessee Gas Pipeline Co.	7.000	03/15/27	500,000	523,65
Texas Industries, Inc.	7.250	07/15/13	70,000	70,00
Trimas Corporation	9.875	06/15/12	1,065,000	1,006,25
Triton PCS, Inc.	8.500	06/01/13	550,000	550,00
Unisys Corporation	8.000	10/15/12	190,000	190,00
United Components, Inc.	9.375	06/15/13	1,080,000	1,081,49
United Rentals, Inc.	7.750	11/15/13	625,000	625,00
United Rentals, Inc.	7.000	02/15/14	500,000	500,00
Universal City Florida (C)	10.110	05/01/10	200,000	200,00
Universal City Florida (C)	8.375	05/01/10	200,000	200,00
Vertis, Inc.	10.875	06/15/09	1,030,000	1,040,13
Vought Aircraft Industries	8.000	07/15/11	1,000,000	999,54
Warner Music Group Corporation	7.375	04/15/14	275,000	275,00
Waste Services, Inc.	9.500	04/15/14	1,100,000	1,123,63
TOTAL BONDS				64,431,40

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

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March 31, 2007
(Unaudited)

Corporate Public Securities: (A) (Continued)	Interest Rate	Due Date	Shares or Principal Amount	Cost
COMMON STOCK - 1.06%				
Bally Total Fitness Holdings Corporation (B)			600	\$ 5,52
PepsiAmericas, Inc.			92,145	2,006,36
Supreme Industries, Inc.			115,721	267,32
TOTAL COMMON STOCK				2,279,20
CONVERTIBLE BONDS - 0.23%				
Citadel Broadcasting Corporation	1.875%	02/15/11	\$ 700,000	\$ 543,37
TOTAL CONVERTIBLE BONDS				543,37
TOTAL CORPORATE PUBLIC SECURITIES				\$ 67,253,98
SHORT-TERM SECURITIES:				
COMMERCIAL PAPER - 2.01%				
Kraft Foods, Inc.	5.450%	04/02/07	\$ 5,187,000	\$ 5,185,42
TOTAL SHORT-TERM SECURITIES				\$ 5,185,42
TOTAL INVESTMENTS	106.01%			\$269,446,76
Other Assets	2.50			
Liabilities	(8.51)			
TOTAL NET ASSETS	100.00%			=====

- (A) In each of the convertible note, warrant, convertible preferred and common stock investments, provide certain registration rights.
 (B) Non-income producing security.
 (C) Variable rate security; rate indicated is as of 03/31/07.
 (D) Defaulted security; interest not accrued.
 * Effective yield at purchase

See Notes to Consolidated Financial Statements.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
 March 31, 2007
 (Unaudited)

MASSMUTUAL CORPORATE INVESTORS

INDUSTRY CLASSIFICATION: Fair Value/
 Market Value

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AEROSPACE - 2.76%

Consolidated Foundries Holdings	\$ 3,019,842
Esterline Technologies	205,500
Gencorp, Inc.	275,835
P A S Holdco LLC	2,637,286
Vought Aircraft Industries	980,000

7,118,463

AUTOMOBILE - 9.84%

American Tire Distributor	1,000,000
Ford Motor Credit Co.	1,536,683
Fuel Systems Holding Corporation	2,980,006
General Motors Acceptance Corporation	1,283,026
General Motors Corporation	900,000
Goodyear Tire & Rubber Co.	1,464,750
Jason, Inc.	1,780,340
LIH Investors, L.P.	1,922,500
Metaldyne Corporation	1,232,063
Nyloncraft, Inc.	1,521,875
Ontario Drive & Gear Ltd.	2,798,731
Qualis Automotive LLC	2,025,007
Tenneco, Inc.	1,042,500
Titan International, Inc.	154,313
Transtar Holding Company	2,625,174
United Components, Inc.	1,117,800

25,384,768

BEVERAGE, DRUG & FOOD - 5.73%

Aramark Corporation	412,750
Beta Brands Ltd.	--
Cains Foods, L.P.	308,863
Dave and Buster's, Inc.	1,530,000
Del Monte Corporation	234,000
Eagle Pack Pet Foods, Inc.	1,623,437
Land O'Lakes, Inc.	795,000
Nonni's Food Company	2,513,682
PepsiAmericas, Inc.	2,056,676
Pinnacle Foods Group	489,398
River Ranch Fresh Foods LLC	1,615,001
Sbarro, Inc.	1,040,000
Specialty Foods Group, Inc.	--
Vitality Foodservice, Inc.	2,164,198

14,783,005

BROADCASTING & ENTERTAINMENT - 2.63%

CCH I Holdings LLC	1,870,000
Cablevision Systems Corporation	1,015,000
Cenveo Corporation	1,078,000
Citadel Broadcasting Corporation	593,250
Charter Communications Op LLC	260,313
Liberty Media Corporation	958,770
Mediacom Broadband LLC	1,022,500

6,797,833

BUILDINGS & REAL ESTATE -
Adorn, Inc.
K W P I Holdings Corporati
Texas Industries, Inc.
TruStile Doors, Inc.

CHEMICAL, PLASTICS & RUBBER
BCP Crystal US Holdings Co
Capital Specialty Plastics
Koppers, Inc.
Nalco Co.
Nova Chemicals Corporation
P Q Corporation

CONSUMER PRODUCTS - 9.32%

Aero Holdings, Inc.
ALH Fin LLC/ALH Fin Corpor
Augusta Sportswear Holding
Bravo Sports Holding Corpo
G F S I, Inc.
K N B Holdings Corporation
Momentum Holding Co.
R A J Manufacturing Holdin
Royal Baths Manufacturing
The Tranzonic Companies
Walls Industries, Inc.
Winslow Furniture, Inc.

CONTAINERS, PACKAGING & GL
Flutes, Inc.
Maverick Acquisition Compa
P I I Holding Corporation
Packaging Dynamics Corpora
Paradigm Packaging, Inc.
Pliant Corporation
Pregis Corporation
Tekni-Plex, Inc.
Vitex Packaging, Inc.

DISTRIBUTION - 3.93%

Affina Group, Inc.
Duncan Systems, Inc.
Kele and Associates, Inc.
Magnatech International, I
O R S Nasco Holding, Inc.
Qualserv Corporation
Strategic Equipment & Supp

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
 March 31, 2007
 (Unaudited)

MASSMUTUAL CORPORATE INVESTORS

INDUSTRY CLASSIFICATION: (Cont.)	Fair Value/ Market Value -----	
DIVERSIFIED/CONGLOMERATE, MANUFACTURING - 7.92%		HEALTHCARE, EDUCATION & CHILD CARE - 3.65%
Activant Solutions, Inc.	\$ 147,750	A T I Acquisition Company
AmerCable, Inc.	1,660,953	American Hospice Management
Arrow Tru-Line Holdings, Inc.	2,199,226	F H S Holdings LLC
Bombardier, Inc.	950,000	H C A, Inc.
Coining Corporation of America LLC	2,674,835	MedAssist, Inc.
Dexter Magnetics Technologies, Inc.	1,429,484	Tenet Healthcare Corporation
Douglas Dynamics LLC	585,900	
Evans Consoles, Inc.	--	
Postle Aluminum Company LLC	2,536,437	HOME & OFFICE FURNISHINGS, AND DURABLE CONSUMER PRO
Radiac Abrasives, Inc.	2,590,199	Connor Sport Court Interna
Trimas Corporation	1,063,669	H M Holding Company
Truck Bodies & Equipment International	4,584,887	Home Decor Holding Company
	-----	Justrite Manufacturing Acq
	20,423,340	Monessen Holding Corporati
DIVERSIFIED/CONGLOMERATE, SERVICE - 3.67%		Stanton Carpet Holding Co.
Allied Waste NA	1,037,500	U-Line Corporation
CapeSuccess LLC	5,862	Wellborn Forest Holding Co
Chemed Corporation	1,170,000	
Diversco, Inc./DHI Holdings, Inc.	--	
Dwyer Group, Inc.	1,147,074	LEISURE, AMUSEMENT, ENTERTAINMENT - 4.01%
Fowler Holding, Inc.	2,563,180	A M C Entertainment, Inc.
Interline Brands, Inc.	335,563	Bally Total Fitness Holding
Iron Mountain, Inc.	1,144,875	Keepsake Quilting, Inc.
Mac-Gray Corporation	612,000	M G M Mirage, Inc.
Moss, Inc.	437,659	Majestic Star Casino LLC
Service Corporation International	1,007,500	O E D Corp/Diamond Jo Comp
	-----	Overton's Holding Company
	9,461,213	Savage Sports Holding, Inc
	-----	Tunica-Biloxi Gaming Autho
ELECTRONICS - 2.68%		Universal City Florida
Calpine Corporation	532,500	Warner Music Group Corpora
Connecticut Electric, Inc.	2,617,668	
Directed Electronics, Inc.	3,365,790	MACHINERY - 9.76%
Flextronics International Ltd.	396,000	Davis-Standard LLC
	-----	Hawk Precision Components
	6,911,958	Integration Technology Sys
	-----	Manitowoc Company, Inc.
FARMING & AGRICULTURE - 0.00%		Maxon Corporation
Protein Genetics, Inc.	--	Morton Industrial Group, I
	-----	Navis Global
FINANCIAL SERVICES - 0.58%		Safety Speed Cut Manufactu
Hawker Beechcraft Acquisition Co.	52,250	Stanadyne Corporation
Highgate Capital LLC	--	Stewart & Stevenson LLC
Lazard LLC	790,713	
Leucadia National Corporation	653,250	
Victory Ventures LLC	--	

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1,496,213

Supreme Industries, Inc.
Synventive Equity LLC
Tronair, Inc.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.) MASSMUTUAL CORPORATE INVESTORS
March 31, 2007
(Unaudited)

INDUSTRY CLASSIFICATION: (Cont.)	Fair Value/ Market Value	

MEDICAL DEVICES/BIOTECH - 2.48%		RETAIL STORES - 3.66%
Coeur, Inc.	\$ 1,439,600	Blockbuster, Inc.
E X C Acquisition Corporation	154,550	Insurance Auto Auctions, I
MicroGroup, Inc.	3,280,842	Neiman Marcus Group, Inc.
OakRiver Technology, Inc.	1,524,876	Olympic Sales, Inc.
	-----	Rent-A-Center, Inc.
	6,399,868	Rental Service Corporation
	-----	United Rentals, Inc.
MINING, STEEL, IRON & NON PRECIOUS METALS - 0.85%		TECHNOLOGY - 0.07%
Freeport-McMoran Copper & Gold	416,280	Unisys Corporation
Steel Dynamics, Inc.	200,500	
Tube City IMS Corporation	650,000	
U S S Holdings, Inc.	933,236	

	2,200,016	TELECOMMUNICATIONS - 3.34%
	-----	Alamosa Deleware, Inc.
NATURAL RESOURCES - 0.19%		Cincinnati Bell, Inc.
Appleton Papers, Inc.	308,250	DeltaCom, Inc.
Rock-Tenn Co.	185,500	Hawaiian Telecom Communica
	-----	Jordan Telecom Products
	493,750	NTL Cable PLC
	-----	Stratos Global
OIL AND GAS - 2.86%		Triton P C S, Inc.
Atlas Pipeline Partners	206,000	
Basic Energy Services	219,375	TRANSPORTATION - 2.13%
Brigham Exploration Co.	707,000	NABCO, Inc.
Chaparral Energy, Inc.	1,507,500	Quality Distribution LLC
Clayton Williams Energy, Inc.	752,000	Tangent Rail Corporation
GulfMark Offshore, Inc.	573,475	
North American Energy Partners	408,000	
Offshore Logistics, Inc.	428,625	
Quicksilver Resources, Inc.	492,500	
Tennessee Gas Pipeline Co.	534,035	
Total Equipment & Service, Inc.	1,545,947	
	-----	UTILITIES - 1.83%
	7,374,457	Dynegy Holdings, Inc.
	-----	Edison Mission Energy
PHARMACEUTICALS - 1.07%		Inergy LP
CorePharma LLC	2,645,242	Markwest Energy Operating
Enzymatic Therapy, Inc.	106,250	N R G Energy, Inc.
	-----	Pacific Energy Partners

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	2,751,492	
	-----	Petrohawk Energy Corporati
PUBLISHING/PRINTING - 1.54%		Sierra Pacific Resources
Idearc, Inc.	617,250	Tenaska Alabama Partners L
Newark Group, Inc.	886,125	
Primedia, Inc.	1,035,000	
Sheridan Acquisition Corporation	392,344	WASTE MANAGEMENT / POLLUTI
Vertis, Inc.	1,040,300	Terra Renewal Services, In
	-----	Waste Services, Inc.
	3,971,019	

		Total Corporate Restricted
		Public Securities - 104.00

See Notes to Consolidated Financial Statements.

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INCOME TAX INFORMATION

The aggregate cost of investments is substantially the same for financial reporting and federal income tax purposes as of March 31, 2007. The net unrealized appreciation of investments for financial reporting and federal tax purposes as of March 31, 2007 is \$4,054,254 and consists of \$27,948,172 appreciation and \$23,893,918 depreciation.

ITEM 2. CONTROLS AND PROCEDURES.

(a) The principal executive officer and principal financial officer of the Registrant evaluated the effectiveness of the Registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940 (the "Act")) as of a date within 90 days of the filing date of this report and based on that evaluation have concluded that such disclosure controls and procedures are effective to provide reasonable assurance that material information required to be disclosed by the Registrant on Form N-Q is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.

(b) There were no changes in the Registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act) that occurred during the Registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

Certifications pursuant to Rule 30a-2(a) under the Investment Company Act of 1940 (17 CFR 270.30a-2(a)) are attached hereto as an exhibit.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

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(Registrant) MassMutual Corporate Investors

By (Signature and Title)* /s/ Clifford M. Noreen

Clifford M. Noreen, President

Date May 30, 2007

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

By (Signature and Title)* /s/ Clifford M. Noreen

Clifford M. Noreen, President

Date May 30, 2007

By (Signature and Title)* /s/ James M. Roy

James M. Roy, Vice President and
Chief Financial Officer

Date May 30, 2007

* PRINT THE NAME AND TITLE OF EACH SIGNING OFFICER UNDER HIS OR HER SIGNATURE.