

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. | 01/22/0 |
| 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) | | | | 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. |
| Common Stock (B) | | | | 1 sh. |
| 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. | * |
|------------------|----------|---|

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 |
|--|---|------------------|
|--|---|------------------|

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)

MASSMUTUAL CORPORATE INVESTORS

| | | 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 |
|--|---|--|
| | ----- | ----- |
| 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

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

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.)
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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 ----- |
|---|---------------------------|---------------|
| 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.) MASSMUTUAL CORPORATE INVESTORS
March 31, 2007
(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Shares, Units, Warrants, Ownership or Principal Amount | Acquisit Date |
|---|---|------------------|
| | ----- | ----- |
| 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.)
March 31, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

| | 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 |
|--|---|------------------|
| | ----- | ----- |
| 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 |
|--------------------------|------------|---------|

SAVAGE SPORTS HOLDING, INC.

A manufacturer of sporting firearms.

| | | |
|---------------------------------------|--------------|---------|
| 12% Senior Subordinated Note due 2012 | \$ 1,538,793 | 09/10/0 |
|---------------------------------------|--------------|---------|

| | | |
|------------------|----------|---------|
| Common Stock (B) | 586 shs. | 09/10/0 |
|------------------|----------|---------|

| | | |
|--|----------|---------|
| 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.)

MASSMUTUAL CORPORATE INVESTORS

March 31, 2007

(Unaudited)

| | 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 |
|--|------------|---------|

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 |
|--|--------------|---------|

| | | |
|------------------|----------|---------|
| Common Stock (B) | 311 shs. | 08/01/0 |
|------------------|----------|---------|

| | | |
|--|----------|---------|
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 104 shs. | 08/01/0 |
|--|----------|---------|

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 |
|--|--------------|---------|

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 |
|------------------------------------|------------|---------|

| | | |
|--|-------------|---------|
| Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) | 86,780 shs. | 08/21/0 |
|--|-------------|---------|

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 |
|---------------------------------------|--------------|---------|

| | | |
|-----------------|------------|---------|
| 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.)
March 31, 2007
(Unaudited)

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.)
March 31, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

Shares, Units,
Warrants,
Ownership or Acquisit

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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount | Date |
|---|------------------|---------|
| | ----- | ----- |
| | | |
| 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.)
 March 31, 2007
 (Unaudited)

MASSMUTUAL CORPORATE INVESTORS

| CORPORATE RESTRICTED SECURITIES: (A) (CONTINUED) | Interest Rate | Due Date | Shares or Principal Amount | Cost |
|--|------------------|-------------|----------------------------------|---------------|
| | ----- | ----- | ----- | ----- |
| 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.)
 March 31, 2007
 (Unaudited)

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

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

MASSMUTUAL CORPORATE INVESTORS

| 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 |

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

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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.