

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 27, 2001

PAGE 1  
000 B000000 12/31/2000  
000 C000000 0000275694  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 U  
001 A000000 MASSMUTUAL CORPORATE INVESTORS  
001 B000000 811-2183  
001 C000000 4137888411  
002 A000000 1295 STATE STREET  
002 B000000 SPRINGFIELD  
002 C000000 MA  
002 D010000 01111  
002 D020000 0001  
003 000000 N  
004 000000 N  
005 000000 N  
006 000000 N  
007 A000000 N  
007 B000000 0  
007 C010100 1  
007 C010200 2  
007 C010300 3  
007 C010400 4  
007 C010500 5  
007 C010600 6  
007 C010700 7  
007 C010800 8  
007 C010900 9  
007 C011000 10  
008 A000001 DAVID L. BABSON & COMPANY INC.  
008 B000001 A  
008 C000001 801-241  
008 D010001 SPRINGFIELD  
008 D020001 MA  
008 D030001 01111  
008 D040001 0001  
012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.  
012 B000001 84-1817  
012 C010001 DENVER  
012 C020001 CO  
012 C030001 80231  
013 A000001 DELOITTE & TOUCHE  
013 B010001 HARTFORD  
013 B020001 CT  
013 B030001 06103  
013 B040001 3402  
015 A000001 THE CHASE MANHATTAN BANK, N.A.  
PAGE 2  
015 B000001 C  
015 C010001 BROOKLYN  
015 C020001 NY  
015 C030001 11245  
015 E010001 X

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018 000000 Y  
019 A000000 Y  
019 B000000 2  
019 C000000 CIPIINVEST  
020 A000001 LAZARD FRERES AND CO.  
020 B000001 13-5545100  
020 C000001 11  
020 A000002 MORGAN STANLEY DEAN WITTER & CO.  
020 B000002 13-2655998  
020 C000002 10  
020 A000003 ALLEN & COMPANY INCORPORATED  
020 B000003 13-6176976  
020 C000003 10  
020 A000004 JANNEY MONTGOMERY SCOTT, INC.  
020 B000004 23-0731230  
020 C000004 10  
020 A000005 LADENBERG, THALMANN & CO. INC.  
020 B000005 13-2700032  
020 C000005 1  
020 A000006 LEHMAN BROTHERS INC.  
020 B000006 13-2518466  
020 C000006 1  
020 A000007 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.  
020 B000007 13-5674085  
020 C000007 1  
020 A000008 DUNLEVY & CO. INC.  
020 B000008 13-2919975  
020 C000008 0  
020 A000009 HAMBRECHT & QUIST, LLC  
020 B000009 94-3220292  
020 C000009 0  
020 A000010 CREDIT SUISSE FIRST BOSTON CORPORATION  
020 B000010 13-5659485  
020 C000010 0  
021 000000 48  
022 A000001 GOLDMAN, SACHS & CO  
022 B000001 13-5108880  
022 C000001 353625  
022 D000001 11691  
022 A000002 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.  
022 B000002 13-5674085  
022 C000002 172346  
022 D000002 11875  
022 A000003 BANCOSTON ROBERTSON STEPHENS  
022 B000003 94-2524501  
022 C000003 35954  
PAGE 3  
022 D000003 4102  
022 A000004 LEHMAN BROTHERS INC.  
022 B000004 13-2518466  
022 C000004 30002  
022 D000004 0  
022 A000005 MORGAN STANLEY DEAN WITTER & CO.  
022 B000005 13-2655998  
022 C000005 19321  
022 D000005 6351  
022 A000006 BANC ONE CAPITAL MARKET, INC.  
022 B000006 31-1017233  
022 C000006 20463  
022 D000006 1570  
022 A000007 DONALDSON, LUFKIN & JENRETTE SECURITIES CORP.  
022 B000007 13-2741729

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|     |         |  |
|-----|---------|--|
| 022 | C000007 | 6182   |
| 022 | D000007 | 6875   |
| 022 | A000008 | CREDIT SUISSE FIRST BOSTON CORPORATION       |
| 022 | B000008 | 13-5659485                                   |
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| 022 | A000009 | SALOMON SMITH BARNEY INC.                    |
| 022 | B000009 | 11-2418191                                   |
| 022 | C000009 | 5097   |
| 022 | D000009 | 3835   |
| 022 | A000010 | GRANTCHESTER DIVISION OF WASSERSTEIN PERELLA |
| 022 | B000010 | 13-3502273                                   |
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| 022 | D000010 | 5396   |
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| 042 | B000000 | 0     |
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| 042 | H000000 | 0     |
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| 046 | 000000  | N     |
| 047 | 000000  | N     |
|     | PAGE    | 5     |
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| 048 | C010000 | 0     |
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| 048 | H020000 | 0.000 |
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| 052 | 000000  | N     |
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| 054 | C000000 | Y     |
| 054 | D000000 | N     |
| 054 | E000000 | N     |
| 054 | F000000 | N     |
| 054 | G000000 | Y     |

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|     |         |   |      |
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| 054 | K000000 | N |      |
| 054 | L000000 | N |      |
| 054 | M000000 | Y |      |
| 054 | N000000 | N |      |
| 054 | O000000 | Y |      |
| 055 | A000000 | N |      |
| 055 | B000000 | N |      |
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| 060 | B000000 | N |      |
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| 062 | R000000 |   | 31.3 |
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| 066 | B000000 | N |      |
| 066 | C000000 | N |      |
| 066 | D000000 | N |      |
| 066 | E000000 | N |      |
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| 068 | B000000 | N |      |
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| 070 | B020000 | N |      |
| 070 | C010000 | N |      |
| 070 | C020000 | N |      |
| 070 | D010000 | N |      |
| 070 | D020000 | N |      |
| 070 | E010000 | N |      |
| 070 | E020000 | N |      |

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070 F010000 N  
070 F020000 N  
070 G010000 N  
070 G020000 N  
070 H010000 N  
070 H020000 N  
PAGE 7  
070 I010000 N  
070 I020000 N  
070 J010000 Y  
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070 K010000 N  
070 K020000 N  
070 L010000 Y  
070 L020000 Y  
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070 O010000 Y  
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070 R020000 N  
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071 C000000 210384  
071 D000000 60  
072 A000000 12  
072 B000000 20494  
072 C000000 418  
072 D000000 0  
072 E000000 0  
072 F000000 2411  
072 G000000 0  
072 H000000 0  
072 I000000 68  
072 J000000 0  
072 K000000 0  
072 L000000 94  
072 M000000 140  
072 N000000 0  
072 O000000 0  
072 P000000 1136  
072 Q000000 0  
072 R000000 30  
072 S000000 34  
072 T000000 0  
072 U000000 0  
072 V000000 0  
072 W000000 130  
072 X000000 4043  
072 Y000000 0  
072 Z000000 16869  
072AA000000 33034  
PAGE 8  
072BB000000 22842  
072CC010000 0  
072CC020000 13029

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|             |                                 |
|-------------|---------------------------------|
| 072DD010000 | 0                               |
| 072DD020000 | 0                               |
| 072EE000000 | 6879                            |
| 073 A010000 | 1.9600                          |
| 073 A020000 | 0.0000                          |
| 073 B000000 | 0.8000                          |
| 073 C000000 | 0.0000                          |
| 074 A000000 | 1078                            |
| 074 B000000 | 0                               |
| 074 C000000 | 6965                            |
| 074 D000000 | 143311                          |
| 074 E000000 | 10767                           |
| 074 F000000 | 31690                           |
| 074 G000000 | 0                               |
| 074 H000000 | 0                               |
| 074 I000000 | 13380                           |
| 074 J000000 | 1241                            |
| 074 K000000 | 0                               |
| 074 L000000 | 4601                            |
| 074 M000000 | 0                               |
| 074 N000000 | 213033                          |
| 074 O000000 | 726                             |
| 074 P000000 | 597                             |
| 074 Q000000 | 20000                           |
| 074 R010000 | 0                               |
| 074 R020000 | 0                               |
| 074 R030000 | 0                               |
| 074 R040000 | 13580                           |
| 074 S000000 | 0                               |
| 074 T000000 | 178130                          |
| 074 U010000 | 8587                            |
| 074 U020000 | 0                               |
| 074 V010000 | 20.74                           |
| 074 V020000 | 0.00                            |
| 074 W000000 | 0.0000                          |
| 074 X000000 | 3023                            |
| 074 Y000000 | 0                               |
| 075 A000000 | 0                               |
| 075 B000000 | 197128                          |
| 076 000000  | 22.00                           |
| 077 A000000 | Y                               |
| 077 B000000 | Y                               |
| 077 C000000 | N                               |
| 077 D000000 | N                               |
| 077 E000000 | N                               |
| 077 F000000 | N                               |
| 077 G000000 | N                               |
| 077 H000000 | N                               |
|             | PAGE 9                          |
| 077 I000000 | Y                               |
| 077 J000000 | N                               |
| 077 K000000 | N                               |
| 077 L000000 | N                               |
| 077 M000000 | N                               |
| 077 N000000 | N                               |
| 077 O000000 | N                               |
| 077 P000000 | N                               |
| 077 Q010000 | Y                               |
| 077 Q020000 | Y                               |
| 077 Q030000 | N                               |
| 078 000000  | N                               |
| 080 A000000 | NEW HAMPSHIRE INSURANCE COMPANY |

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|           |                        |               |  |
|-----------|------------------------|---------------|--|
| 080       | C000000                | 1200          |  |
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| 086       | F020000                | 0             |  |
| 087       | A010000                | COMMON SHARES |  |
| 087       | A020000                | 576292106     |  |
| 087       | A030000                | MCI           |  |
| 088       | A000000                | Y             |  |
| 088       | B000000                | N             |  |
| 088       | C000000                | N             |  |
| 088       | D000000                | N             |  |
| SIGNATURE | CHARLES C. MCCOBB, JR. |               |  |
| TITLE     | VICE PRESIDENT & CFO   |               |  |