

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 28, 2003

PAGE 1
000 B000000 12/31/2002
000 C000000 0000275694
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 N
000 H000000 N
000 I000000 6.1
000 J000000 A
001 A000000 MASSMUTUAL CORPORATE INVESTORS
001 B000000 811-2183
001 C000000 4132261000
002 A000000 1500 MAIN STREET, SUITE 1100
002 B000000 SPRINGFIELD
002 C000000 MA
002 D010000 01115
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 01115
012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
012 B000001 84-1817
012 C010001 DENVER
012 C020001 CO
012 C030001 80231
013 A000001 DELOITTE & TOUCHE LLP
013 B010001 NEW YORK
013 B020001 NY
013 B030001 10281
013 B040001 1414
015 A000001 CITIBANK, N.A.
015 B000001 C
015 C010001 NEW YORK
PAGE 2
015 C020001 NY
015 C030001 10043
015 E010001 X
015 A000002 DELETE
018 000000 Y
019 A000000 Y

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019 B000000 2
 019 C000000 CIPIINVEST
 020 A000001 ALLEN & COMPANY INCORPORATED
 020 B000001 13-6176976
 020 C000001 5
 020 A000002 CIBC OPPENHEIMER
 020 B000002 13-2798343
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 020 A000003 SALOMON SMITH BARNEY HOLD INC.
 020 B000003 11-2418191
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 020 A000004 GOLDMAN, SACHS & CO.
 020 B000004 13-5108880
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 020 A000005 DUNLEVY & CO.
 020 B000005 13-2919975
 020 C000005 1
 020 A000006 FIRST BOSTON CORPORATION
 020 B000006 13-5659485
 020 C000006 1
 020 A000007 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
 020 B000007 13-5674085
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 020 A000008 TP WEISEL
 020 C000008 0
 020 C000009 0
 020 C000010 0
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 022 A000001 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
 022 B000001 13-5674085
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 022 D000001 5567
 022 A000002 GOLDMAN, SACHS & CO.
 022 B000002 13-5108880
 022 C000002 109284
 022 D000002 1724
 022 A000003 J.P. MORGAN CHASE
 022 B000003 13-4994650
 022 C000003 90493
 022 D000003 2583
 022 A000004 SALOMON SMITH BARNEY HOLD INC.
 022 B000004 11-2418191
 022 C000004 6637
 022 D000004 2228
 022 A000005 FIRST BOSTON CORPORATION
 PAGE 3
 022 B000005 13-5659485
 022 C000005 8559
 022 D000005 174
 022 A000006 FIRST CHICAGO
 022 B000006 36-3595942
 022 C000006 6044
 022 D000006 0
 022 A000007 MORGAN STANLEY AND CO.
 022 B000007 13-2655998
 022 C000007 2178
 022 D000007 1809
 022 A000008 BNP PARIBAS
 022 C000008 0
 022 D000008 2854
 022 A000009 GRANCHESTER
 022 C000009 981

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| | | |
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| 022 | D000009 | 1718 |
| 022 | A000010 | HKW & COMPANY |
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| 054 | J000000 | Y |
| 054 | K000000 | N |
| 054 | L000000 | N |
| 054 | M000000 | Y |
| 054 | N000000 | N |
| 054 | O000000 | Y |
| 055 | A000000 | Y |
| 055 | B000000 | N |

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| | | | |
|-----|---------|---|------|
| 056 | 000000 | Y | |
| 057 | 000000 | N | |
| 058 | A000000 | N | |
| 059 | 000000 | Y | |
| 060 | A000000 | Y | |
| 060 | B000000 | Y | |
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| 062 | C000000 | | 0.0 |
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| 062 | G000000 | | 0.0 |
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| 062 | R000000 | | 22.3 |
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| 064 | B000000 | Y | |
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| 066 | A000000 | Y | |
| 066 | B000000 | N | |
| 066 | C000000 | N | |
| 066 | D000000 | N | |
| 066 | E000000 | N | |
| 066 | F000000 | N | |
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| 070 | B010000 | N | |
| 070 | B020000 | N | |
| 070 | C010000 | N | |
| 070 | C020000 | N | |
| 070 | D010000 | N | |
| 070 | D020000 | N | |
| 070 | E010000 | N | |
| 070 | E020000 | N | |
| 070 | F010000 | N | |
| 070 | F020000 | N | |
| 070 | G010000 | N | |
| 070 | G020000 | N | |
| 070 | H010000 | N | |
| 070 | H020000 | N | |
| 070 | I010000 | N | |
| 070 | I020000 | N | |
| 070 | J010000 | Y | |
| 070 | J020000 | Y | |

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| | | | |
|-------|---------|----|--------|
| 070 | K010000 | N | |
| 070 | K020000 | N | |
| 070 | L010000 | Y | |
| 070 | L020000 | N | |
| 070 | M010000 | N | |
| | PAGE | 7 | |
| 070 | M020000 | N | |
| 070 | N010000 | N | |
| 070 | N020000 | N | |
| 070 | O010000 | Y | |
| 070 | O020000 | Y | |
| 070 | P010000 | N | |
| 070 | P020000 | N | |
| 070 | Q010000 | N | |
| 070 | Q020000 | N | |
| 070 | R010000 | N | |
| 070 | R020000 | N | |
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| 071 | C000000 | | 185138 |
| 071 | D000000 | | 34 |
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| 072 | B000000 | | 17709 |
| 072 | C000000 | | 529 |
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| 072 | G000000 | | 0 |
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| 072 | J000000 | | 22 |
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| 072 | M000000 | | 112 |
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| 072BB | 000000 | | 11269 |
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| 072CC | 020000 | | 2952 |
| 072DD | 010000 | | 12611 |
| 072DD | 020000 | | 0 |
| 072EE | 000000 | | 1615 |
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| | PAGE | 8 | |
| 073 | C000000 | | 0.0000 |
| 074 | A000000 | | 1051 |
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| | | |
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| 074 | D000000 | 140554 |
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| 074 | H000000 | 0 |
| 074 | I000000 | 10488 |
| 074 | J000000 | 1256 |
| 074 | K000000 | 0 |
| 074 | L000000 | 3318 |
| 074 | M000000 | 0 |
| 074 | N000000 | 195137 |
| 074 | O000000 | 0 |
| 074 | P000000 | 644 |
| 074 | Q000000 | 20000 |
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| 074 | R020000 | 0 |
| 074 | R030000 | 0 |
| 074 | R040000 | 3465 |
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| 074 | T000000 | 171028 |
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| 074 | X000000 | 2713 |
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| 075 | B000000 | 176440 |
| 076 | 000000 | 19.49 |
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| 077 | B000000 | Y |
| 077 | E000000 | Y |
| 077 | Q010000 | N |
| 077 | Q020000 | Y |
| 077 | Q030000 | Y |
| 078 | 000000 | N |
| 080 | A000000 | NEW HAMPSHIRE INSURANCE COMPANY |
| 080 | B000000 | NONE |
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| 086 | D010000 | 0 |
| 086 | D020000 | 0 |
| 086 | E010000 | 0 |
| 086 | E020000 | 0 |
| 086 | F010000 | 0 |

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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 V.P. AND C.F.O.

EXHIBIT INDEX TO FORM N-SAR
OF MASSMUTUAL CORPORATE INVESTORS
FOR YEAR ENDED DECEMBER 31, 2002

| EXHIBIT NO. | DESCRIPTION |
|-------------|---|
| 77B | ACCOUNTANT'S REPORT ON INTERNAL CONTROL |
| 77E | LEGAL PROCEEDINGS |
| 77Q(2) | INFORMATION CALLED FOR BY THE INSTRUCTIONS TO SUB-ITEM 77Q(2) |
| 77Q(3) | INFORMATION CALLED FOR BY THE INSTRUCTIONS TO SUB-ITEM 77Q(3) |