

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 25, 2004

PAGE 1
000 B000000 12/31/2003
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
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002 D010000 01115
002 D020000 0001
003 000000 N
004 000000 N
005 000000 N
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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
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 LLP
013 B010001 NEW YORK
013 B020001 NY
013 B030001 10281
013 B040001 1414
015 A000001 CITIBANK, N.A.
PAGE 2
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY
015 C030001 10043
015 E010001 X
018 000000 Y

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019 A000000 Y
019 B000000 2
019 C000000 CIPIINVEST
020 A000001 FIRST BOSTON CORP.
020 B000001 13-5659485
020 C000001 10
020 A000002 S.C. BERNSTEIN
020 B000002 13-4132953
020 C000002 4
020 A000003 ALLEN & COMPANY INC.
020 B000003 13-6176976
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020 A000004 CHARLES SCHWAB
020 B000004 94-1737782
020 C000004 2
020 A000005 GOLDMAN, SACHS & CO.
020 B000005 13-5108880
020 C000005 1
020 A000006 WEEDEN & CO. LP
020 B000006 13-3364318
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020 A000007 FIRST ALBANY CORP.
020 B000007 14-1391446
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020 A000008 KNIGHT SECURITIES LP
020 B000008 22-3660471
020 C000008 1
020 A000009 WARBURG S.G. CO., INC.
020 B000009 13-3873456
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020 A000010 SALOMON SMITH BARNEY HOLD INC.
020 B000010 11-2418191
020 C000010 0
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022 A000001 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
022 B000001 13-5674085
022 C000001 164555
022 D000001 250
022 A000002 GOLDMAN, SACHS & CO.
022 B000002 13-5108880
022 C000002 141216
022 D000002 4597
022 A000003 J.P. MORGAN CHASE
022 B000003 13-4994650
022 C000003 95740
PAGE 3
022 D000003 4785
022 A000004 FIRST BOSTON CORP.
022 B000004 13-5659485
022 C000004 31251
022 D000004 4919
022 A000005 SHEARSON LEHMAN AMER EXP
022 B000005 13-2518466
022 C000005 15251
022 D000005 4511
022 A000006 FIRST CHICAGO CAPITAL MARKET
022 B000006 36-3595942
022 C000006 16373
022 D000006 0
022 A000007 JEFFERIES & CO., INC.
022 B000007 95-2622900
022 C000007 9273

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022 D000007 6542
022 A000008 SALOMON SMITH BARNEY HOLD INC.
022 B000008 11-2418191
022 C000008 8271
022 D000008 2148
022 A000009 MORGAN STANLEY AND CO.
022 B000009 13-2655998
022 C000009 3672
022 D000009 3011
022 A000010 SPEAR, LEEDS & KELLOGG, LP
022 B000010 13-5515460
022 C000010 866
022 D000010 4595
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PAGE 4

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054 I000000 N
054 J000000 Y
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054 O000000 Y
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PAGE 7
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071 D000000 56
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072 B000000 17731
072 C000000 353
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072 H000000 0
072 I000000 38
072 J000000 19
072 K000000 0
072 L000000 135
072 M000000 110
072 N000000 0
072 O000000 312
072 P000000 1516
072 Q000000 0
072 R000000 92
072 S000000 185
072 T000000 0
072 U000000 0
072 V000000 0
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072 X000000 5279
072 Y000000 0
072 Z000000 12805
072AA000000 23068
PAGE 8
072BB000000 18079
072CC010000 20090
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072DD010000 16293

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| 077 Q030000 | N |
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| 080 A000000 | NEW HAMPSHIRE INSURANCE COMPANY |
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| 084 B000000 | 0 |
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| 085 B000000 | N |
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086 A020000 1167
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086 B020000 0
086 C010000 0
086 C020000 0
086 D010000 0
086 D020000 0
086 E010000 0
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086 F010000 0
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 SEMI-ANNUAL PERIOD ENDED DECEMBER 31, 2003

| EXHIBIT NO. | DESCRIPTION |
|-------------|---|
| 77B | Accountant's Report on Internal Control |
| 77E | Legal Proceedings |
| 77K | Changes in Registrant's Certifying Accountant |
| 77Q1(a) | Information Called for by the Instruction to Sub-Item 77Q1(a) |
| 77Q2 | Information Called for by the Instruction to Sub-Item 77Q2 |