

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
002 C000000 MA
002 D010000 01115
002 D020000 0001
003 000000 N
004 000000 N
005 000000 N
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007 C010300 3
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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
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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
020 C000003 4
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 B000007 14-1391446
020 C000007 1
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
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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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PAGE 4

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054 O000000 Y
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077 Q030000	N
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PAGE 9	
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084 A000000	N
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086 A010000	56

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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