

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 |
| 022 | C000008 | 6833 |
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| 022 | A000009 | SALOMON SMITH BARNEY INC. |
| 022 | B000009 | 11-2418191 |
| 022 | C000009 | 5097 |
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| 022 | A000010 | GRANTCHESTER DIVISION OF WASSERSTEIN PERELLA |
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| 028 | G010000 | 0 |
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| 042 | H000000 | 0 |
| 043 | 000000 | 0 |
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| 047 | 000000 | N |
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| 048 | H020000 | 0.000 |
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| 048 | J020000 | 0.000 |
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| 048 | K020000 | 0.000 |
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| 054 | F000000 | N |
| 054 | G000000 | Y |

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| | | | |
|-----|---------|---|------|
| 054 | H000000 | Y | |
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| 054 | J000000 | Y | |
| 054 | K000000 | N | |
| 054 | L000000 | N | |
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| 054 | O000000 | Y | |
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| 057 | 000000 | N | |
| 058 | A000000 | N | |
| 059 | 000000 | Y | |
| 060 | A000000 | N | |
| 060 | B000000 | N | |
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| 066 | B000000 | N | |
| 066 | C000000 | N | |
| 066 | D000000 | N | |
| 066 | E000000 | N | |
| 066 | F000000 | N | |
| 066 | G000000 | Y | |
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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 | |

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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
 070 J020000 Y
 070 K010000 N
 070 K020000 N
 070 L010000 Y
 070 L020000 Y
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 070 N010000 Y
 070 N020000 N
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 071 B000000 136099
 071 C000000 210384
 071 D000000 60
 072 A000000 12
 072 B000000 20494
 072 C000000 418
 072 D000000 0
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 072 H000000 0
 072 I000000 68
 072 J000000 0
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 072 M000000 140
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 072 O000000 0
 072 P000000 1136
 072 Q000000 0
 072 R000000 30
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 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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| | |
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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 |
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| 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 |
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| 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 |
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| 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 |
| 081 | A000000 | Y |
| 081 | B000000 | 1 |
| 082 | A000000 | N |
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| 084 | B000000 | 0 |
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| 085 | B000000 | N |
| 086 | A010000 | 0 |
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| 086 | C010000 | 0 |
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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 | VICE PRESIDENT & CFO | |