

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 28, 2005

PAGE 1
000 B000000 12/31/2004
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
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001 B000000 811-2183
001 C000000 4132261000
002 A000000 1500 MAIN STREET, SUITE 600
002 B000000 SPRINGFIELD
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007 C010600 6
007 C010700 7
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007 C010900 9
007 C011000 10
008 A000001 BABSON CAPITAL MANAGEMENT LLC
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012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
012 B000001 84-1817
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012 C020001 CO
012 C030001 80217
012 C040001 3673
013 A000001 KPMG LLP
013 B010001 BOSTON
013 B020001 MA
013 B030001 02110
013 B040001 2371
PAGE 2
015 A000001 CITIBANK, N.A.
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY
015 C030001 10043
015 E010001 X

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020 A000001 LAZARD FRERES AND CO.
020 B000001 13-5545100
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020 A000003 ALLEN & CO.
020 B000003 13-4132953
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020 A000004 PRUDENTIAL SECURITIES INC.
020 B000004 22-2347336
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020 A000005 SPEAR LEADS MFN
020 B000005 13-2730828
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020 A000006 J.P. MORGAN CHASE
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PAGE 3
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022 A000007 SALOMON SMITH BARNEY HOLD 1
022 B000007 11-2418191

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022 C000007 15820
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022 A000008 KBC FINANCIAL SERVICES
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022 A000009 JEFFERIES & CO., INC.
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PAGE 4

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054 F000000 N
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| 074 T000000 | 218505 |
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| 074 V020000 | 0.00 |
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| 077 Q010000 | Y |
| | PAGE 9 |
| 077 Q020000 | Y |
| 077 Q030000 | N |
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| 080 A000000 | NAT. UNION FIRE INSURANCE CO OF PITTSBURGH PA |
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086 A020000 2433
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087 A020000 576292106
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SIGNATURE CHARLES C. MCCOBB, JR.
TITLE V.P. AND C.F.O.