

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 28, 2005

PAGE 1

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000 C000000 0000275694
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 N
000 H000000 N
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008 A000001 BABSON CAPITAL MANAGEMENT LLC
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012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
012 B000001 84-1817
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013 A000001 KPMG LLP
013 B010001 BOSTON
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013 B040001 2371
PAGE 2
015 A000001 CITIBANK, N.A.
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY
015 C030001 10043
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020 A000001 LAZARD FRERES AND CO.
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020 A000005 SPEAR LEADS MFN
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PAGE 3
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022 A000009 JEFFERIES & CO., INC.
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PAGE 4

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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.