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PIONEER HIGH INCOME TRUST

Form NSAR-B

May 30, 2007

PAGE 1
000 B000000 03/31/2007
000 C000000 1166258
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 811-21043
001 C000000 6177427825
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010 A000001 PIONEER INVESTMENT MANAGEMENT, INC.
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010 A000002 PRINCETON ADMINISTRATORS, LLC
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010 C020002 NJ
010 C030002 08543
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011 A000001 MERRILL LYNCH & CO.
011 B000001 8-7221
011 C010001 NEW YORK
PAGE 2
011 C020001 NY
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011 A000002 UBS WARBURG
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011 C010002 STAMFORD

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011 C020002 CT
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011 A000003 RBC CAPITAL MARKETS
011 B000003 8-045411
011 C010003 MINNEAPOLIS
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011 A000004 ADVEST, INC.
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011 C010004 HARTFORD
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011 A000005 JANNEY MONTGOMERY SCOTT LLC
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011 C010005 PHILADELPHIA
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011 A000006 MCDONALD INVESTMENTS INC.
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011 C030006 44114
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012 A000001 PIONEER INV. MANGMT. SHAREHOLDER SERV, INC.
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012 A000002 AMERICAN STOCK TRANSFER & TRUST COMPANY
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012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF.)
012 B000003 85-00000
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013 A000001 ERNST & YOUNG LLP
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 071 B000000 152336

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071 C000000	570691
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087	B020000	72369H205
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SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	