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PIONEER HIGH INCOME TRUST

Form NSAR-B

May 30, 2006

PAGE 1
000 B000000 03/31/2006
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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008 A000001 PIONEER INVESTMENT MANAGEMENT, INC.
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010 A000001 PIONEER INVESTMENT MANAGEMENT, INC.
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010 A000002 PRINCETON ADMINISTRATORS, L.P.
010 C010002 PRINCETON
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010 C040002 9095
011 A000001 MERRILL LYNCH & CO.
011 B000001 8-7221
011 C010001 NEW YORK
PAGE 2
011 C020001 NY
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011 C010002 STAMFORD

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011 C020002 CT
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011 A000003 RBC CAPITAL MARKETS
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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 C040006 2603
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012 A000001 PIONEER INVESTMENT SHAREHOLDER SERVICES, INC.
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012 A000002 MELLON INVESTOR SERVICES LLC (COMMON)
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013 A000001 ERNST & YOUNG LLP
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SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	