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Number of Other Included Managers: 3
 Form 13F Information Table Entry Total: 1,349
 Form 13F Information Table Value Total: \$ 3,942,564
 (thousands)

List of Other Included Mangers:

Provide a numbered list of the name(s) and Form 13F file number(s) of all institutional investment managers with respect to which this report is filed, other than the manager filing this report.

[If there are no entries in this list, state "NONE" and omit the column headings and list entries.]

No.	Form 13F File Number	Name
01	28-7680	Marshall & Ilsley Trust Company N.A. (formerly known as M&I National Trust Company and successor to Marshall & Ilsley Trust Company, 13F file no. 28-273; Marshall & Ilsley Trust Company of Florida, 13F file no. 28-4318; and Marshall & Ilsley Trust Company of Arizona, SEC file no. 28-4316)
05	28-274	M&I Investment Management Corp.
06	28-6060	Attorney Harrold J. McComas

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCR		
						SHR (B)	OTHR (C)	OTHR MGRS
DEUTSCHE BANK AG NAMEN	ORD	D18190898	217	2,790	SH		X	1
ACE LTD	ORD	G0070K103	9,904	220,829	SH	X		1
ACE LTD	ORD	G0070K103	13	291	SH		X	1
AMDOCS LTD	ORD	G02602103	2,685	101,586	SH	X		1
ASSURED GUARANTY LTD	COM	G0585R106	4,198	179,718	SH	X		1
COOPER INDS LTD	CL A	G24182100	921	14,412	SH	X		1
COOPER INDS LTD	CL A	G24182100	11	174	SH		X	1
GLOBALSANTAFE CORP	SHS	G3930E101	5,379	131,827	SH	X		1
GLOBALSANTAFE CORP	SHS	G3930E101	460	11,270	SH		X	1 6
INGERSOLL-RAND COMPANY	CL A	G4776G101	464	6,507	SH	X		1
INGERSOLL-RAND COMPANY	CL A	G4776G101	59	831	SH		X	1
NABORS INDUSTRIES LTD	SHS	G6359F103	1,356	22,367	SH	X		1
NABORS INDUSTRIES LTD	SHS	G6359F103	14	223	SH		X	1

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NOBLE CORPORATION	SHS	G65422100	11,058	179,770	SH	X		1
NOBLE CORPORATION	SHS	G65422100	3	41	SH		X	1
ORIENT-EXPRESS HOTELS	CL A	G67743107	402	12,700	SH	X		1
PARTNERRE LTD	COM	G6852T105	12,251	190,175	SH	X		1
PARTNERRE LTD	COM	G6852T105	26	405	SH		X	1
RENAISSANCERE HOLDINGS	COM	G7496G103	4,878	99,062	SH	X		1
SEAGATE TECHNOLOGY	SHS	G7945J104	1,971	112,283	SH	X		1
TRANSOCEAN INC	ORD	G90078109	1,318	24,430	SH	X		1
TRANSOCEAN INC	ORD	G90078109	246	4,563	SH		X	1
UBS AG	NAMEN AKT	H8920M855	552	7,094	SH	X		1
UBS AG	NAMEN AKT	H8920M855	272	3,500	SH		X	1
CHECK POINT SFTWR TECH	ORD	M22465104	114	5,759	SH	X		1
CHECK POINT SFTWR TECH	ORD	M22465104	187	9,430	SH		X	1
LIPMAN ELECTRNC ENGRNG	ORD	M6772H101	2,401	78,033	SH	X		1
SYNERON MEDICAL LTD	ORD SHS	M87245102	2,284	62,426	SH	X		1
AAR CORP	COM	000361105	2,380	151,492	SH	X		1
AFLAC INC	COM	001055102	545	12,582	SH	X		1
AFLAC INC	COM	001055102	114	2,645	SH		X	1
AES CORP	COM	00130H105	649	39,642	SH	X		1
AES CORP	COM	00130H105	24	1,463	SH		X	1
AMDL INC	COM PAR \$0.001	00167K401	14	30,000	SH	X		1
AT&T CORP	COM NEW	001957505	2,006	105,339	SH	X		1
AT&T CORP	COM NEW	001957505	93	4,865	SH		X	1 6
ABBOTT LABS	COM	002824100	21,559	439,888	SH	X		1
ABBOTT LABS	COM	002824100	4,042	82,463	SH		X	1 6
ABERCROMBIE & FITCH CO	CL A	002896207	2,491	36,252	SH	X		1
ABERCROMBIE & FITCH CO	CL A	002896207	8	110	SH		X	1
ABERDEEN ASIA PACFC INC	COM	003009107	94	15,017	SH	X		1
ACACIA RESH CORP	ACACIA TCH COM	003881307	1,233	260,096	SH	X		1
ACTIVISION INC NEW	COM NEW	004930202	1,489	90,163	SH	X		1
ADESA INC	COM	00686U104	9,057	416,030	SH	X		1
ADESA INC	COM	00686U104	7	310	SH		X	1
ADOBE SYS INC	COM	00724F101	2,156	75,366	SH	X		1
ADOBE SYS INC	COM	00724F101	97	3,404	SH		X	1
ADTRAN INC	COM	00738A106	1,772	71,652	SH	X		1
ADVANCE AUTO PARTS INC	COM	00751Y106	2,651	41,075	SH	X		1
ADVANCED MICRO DEVICES	COM	007903107	1,608	92,728	SH	X		1
ADVANCED MICRO DEVICES	COM	007903107	1	43	SH		X	1
AEGON N V	ORD AMER REG	007924103	39	3,014	SH	X		1
AEGON N V	ORD AMER REG	007924103	157	12,221	SH		X	1
AETNA INC NEW	COM	00817Y108	3,557	42,944	SH	X		1
AETNA INC NEW	COM	00817Y108	786	9,485	SH		X	1
AFFILIATED CMPTR SRVCS	CL A	008190100	222	4,353	SH	X		1
AFFILIATED CMPTR SRVCS	CL A	008190100	6	115	SH		X	1
AFFILIATED MGRS GROUP	COM	008252108	5,598	81,929	SH	X		1
AFFILIATED MGRS GROUP	COM	008252108	5	66	SH		X	1
AIR PRODS & CHEMS INC	COM	009158106	622	10,309	SH	X		1
AIR PRODS & CHEMS INC	COM	009158106	1,162	19,276	SH		X	1
AIRGAS INC	COM	009363102	200	8,123	SH	X		1
AKAMAI TECHNOLOGIES	COM	00971T101	1,201	91,485	SH	X		1
ALBERTO CULVER CO	COM	013068101	255	5,896	SH	X		1
ALBERTO CULVER CO	COM	013068101	1	34	SH		X	1
ALBERTSONS INC	COM	013104104	861	41,656	SH	X		1
ALBERTSONS INC	COM	013104104	83	4,023	SH		X	1 6
ALCAN INC	COM	013716105	876	29,200	SH	X		1
ALCOA INC	COM	013817101	14,427	552,106	SH	X		1
ALCOA INC	COM	013817101	1,728	66,136	SH		X	1 6
ALLEGHENY ENERGY INC	COM	017361106	1,649	65,376	SH	X		1
ALLEGHENY ENERGY INC	COM	017361106	7	290	SH		X	1
ALLEGHENY TECHNOLOGIES	COM	01741R102	992	44,971	SH	X		1
ALLEGHENY TECHNOLOGIES	COM	01741R102	7	313	SH		X	1
ALLETE INC	COM NEW	018522300	195	3,916	SH	X		1

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ALLETE INC	COM NEW	018522300	24	486 SH		X	1
ALLIANT ENERGY CORP	COM	018802108	2,309	82,014 SH	X		1
ALLIANT ENERGY CORP	COM	018802108	200	7,115 SH		X	1
ALLSTATE CORP	COM	020002101	3,488	58,373 SH	X		1
ALLSTATE CORP	COM	020002101	843	14,108 SH		X	1
ALLTEL CORP	COM	020039103	11,788	189,275 SH	X		1
ALLTEL CORP	COM	020039103	57	909 SH		X	1
ALTERA CORP	COM	021441100	241	12,162 SH	X		1
ALTERA CORP	COM	021441100	7	348 SH		X	1
ALTRIA GROUP INC	COM	02209S103	40,334	623,790 SH	X		1
ALTRIA GROUP INC	COM	02209S103	12,334	190,752 SH		X	1
AMBAC FINL GROUP INC	COM	023139108	8,187	117,360 SH	X		1
AMBAC FINL GROUP INC	COM	023139108	9	124 SH		X	1
AMEDISYS INC	COM	023436108	1,929	52,447 SH	X		1
AMEDISYS INC	COM	023436108	6	162 SH		X	1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCR		
						SHR (B)	OTHR (C)	OTHR MGRS
AMEREN CORP	COM	023608102	262	4,739 SH	X			1
AMEREN CORP	COM	023608102	11	200 SH			X	1
AMCORE FINL INC	COM	023912108	457	15,297 SH			X	1
AMERICAN EAGLE OUTFTRS	COM	02553E106	942	30,755 SH	X			1
AMERICAN EAGLE OUTFTRS	COM	02553E106	18	590 SH			X	1
AMERICAN ELEC PWR INC	COM	025537101	6,628	179,755 SH	X			1
AMERICAN ELEC PWR INC	COM	025537101	150	4,063 SH			X	1 6
AMERICAN EXPRESS CO	COM	025816109	6,757	126,944 SH	X			1
AMERICAN EXPRESS CO	COM	025816109	1,406	26,421 SH			X	1 6
AMERICAN INTL GROUP	COM	026874107	18,234	313,831 SH	X			1
AMERICAN INTL GROUP	COM	026874107	2,675	46,039 SH			X	1 6
AMERICAN PWR CNVRSN	COM	029066107	284	12,048 SH	X			1
AMERICAN PWR CNVRSN	COM	029066107	9	385 SH			X	1
AMERICAN STD COS INC	COM	029712106	501	11,945 SH	X			1
AMERICAN STD COS INC	COM	029712106	19	448 SH			X	1
AMERICAN TECHN LGY CORP	COM NEW	030145205	58	10,000 SH			X	1
AMERUS GROUP CO	COM	03072M108	263	5,475 SH	X			1
AMERUS GROUP CO	COM	03072M108	8	163 SH			X	1
AMERISOURCEBERGEN CORP	COM	03073E105	19,092	276,089 SH	X			1
AMERISOURCEBERGEN CORP	COM	03073E105	164	2,378 SH			X	1 6
AMES NATL CORP	COM	031001100	2,117	19,145 SH	X			1
AMGEN INC	COM	031162100	17,770	293,915 SH	X			1
AMGEN INC	COM	031162100	2,700	44,661 SH			X	1
AMSOUTH BANCORPORATION	COM	032165102	2,652	102,004 SH	X			1
AMSOUTH BANCORPORATION	COM	032165102	30	1,141 SH			X	1 6
AMYLIN PHARMACEUTICALS	COM	032346108	4,523	216,086 SH	X			1
ANADARKO PETE CORP	COM	032511107	8,371	101,900 SH	X			1
ANADARKO PETE CORP	COM	032511107	1,279	15,565 SH			X	1 6
ANALOG DEVICES INC	COM	032654105	6,742	180,694 SH	X			1
ANALOG DEVICES INC	COM	032654105	438	11,727 SH			X	1 6

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ANCHOR BANCORP WIS INC	COM	032839102	3,310	109,393	SH	X		1
ANCHOR BANCORP WIS INC	COM	032839102	829	27,380	SH		X	1
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	49	1,378	SH	X		1
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	170	4,765	SH		X	1
ANHEUSER BUSCH COS INC	COM	035229103	3,443	75,250	SH	X		1
ANHEUSER BUSCH COS INC	COM	035229103	1,934	42,268	SH		X	1
AON CORP	COM	037389103	188	7,516	SH	X		1
AON CORP	COM	037389103	81	3,250	SH		X	1
APACHE CORP	COM	037411105	2,583	39,989	SH	X		1
APACHE CORP	COM	037411105	207	3,212	SH		X	1
APARTMENT INVT & MGMT	CL A	03748R101	1,372	33,519	SH	X		1
APARTMENT INVT & MGMT	CL A	03748R101	28	693	SH		X	1 6
APOLLO GROUP INC	CL A	037604105	633	8,091	SH	X		1
APOLLO GROUP INC	CL A	037604105	12	154	SH		X	1
APPLE COMPUTER INC	COM	037833100	9,761	265,175	SH	X		1
APPLE COMPUTER INC	COM	037833100	75	2,024	SH		X	1
APRIA HEALTHCARE GROUP	COM	037933108	13,971	403,314	SH	X		1
APPLIED MATLS INC	COM	038222105	6,208	383,681	SH	X		1
APPLIED MATLS INC	COM	038222105	639	39,495	SH		X	1 6
ARCH COAL INC	COM	039380100	7,107	130,480	SH	X		1
ARCHER DANIELS MIDLAND	COM	039483102	6,464	302,321	SH	X		1
ARCHER DANIELS MIDLAND	COM	039483102	52	2,431	SH		X	1
ARM HLDGS PLC	SPONSORED ADR	042068106	124	20,200	SH	X		1
ARRIS GROUP INC	COM	04269Q100	1,677	192,480	SH	X		1
ARVINMERITOR INC	COM	043353101	508	28,547	SH	X		1
ARVINMERITOR INC	COM	043353101	1	49	SH		X	1
ASHLAND INC	COM	044204105	1,044	14,530	SH	X		1
ASHLAND INC	COM	044204105	3	37	SH		X	1
ASSOCIATED BANC CORP	COM	045487105	8,387	249,761	SH	X		1
ASSOCIATED BANC CORP	COM	045487105	3,544	105,529	SH		X	1
AUTODESK INC	COM	052769106	6,930	201,796	SH	X		1
AUTODESK INC	COM	052769106	34	994	SH		X	1
AUTOLIV INC	COM	052800109	1,343	30,653	SH	X		1
AUTOLIV INC	COM	052800109	27	613	SH		X	1
AUTOMATIC DATA PRCSNG	COM	053015103	803	19,137	SH	X		1
AUTOMATIC DATA PRCSNG	COM	053015103	485	11,564	SH		X	1
AUTOZONE INC	COM	053332102	429	4,640	SH	X		1
AUTOZONE INC	COM	053332102	29	311	SH		X	1
AVAYA INC	COM	053499109	268	32,200	SH	X		1
AVAYA INC	COM	053499109	8	916	SH		X	1
AVERY DENNISON CORP	COM	053611109	110	2,083	SH	X		1
AVERY DENNISON CORP	COM	053611109	110	2,070	SH		X	1
AVON PRODS INC	COM	054303102	331	8,735	SH	X		1
AVON PRODS INC	COM	054303102	29	767	SH		X	1
BB&T CORP	COM	054937107	9,869	246,898	SH	X		1
BB&T CORP	COM	054937107	78	1,952	SH		X	1 6
BISYS GROUP INC	COM	055472104	10,950	732,935	SH	X		1
BISYS GROUP INC	COM	055472104	3	195	SH		X	1
BP PLC	SPONSORED ADR	055622104	11,080	177,625	SH	X		1
BP PLC	SPONSORED ADR	055622104	5,216	83,618	SH		X	1 6
BMC SOFTWARE INC	COM	055921100	8,703	484,827	SH	X		1
BMC SOFTWARE INC	COM	055921100	16	895	SH		X	1
BADGER METER INC	COM	056525108	25,056	606,690	SH	X		1
BADGER METER INC	COM	056525108	504	12,200	SH		X	1
BAKER HUGHES INC	COM	057224107	1,139	22,260	SH	X		1
BAKER HUGHES INC	COM	057224107	17	325	SH		X	1
BANCO SANTANDER CENT H	ADR	05964H105	135	11,630	SH	X		1
BANK OF AMERICA CORP	COM	060505104	45,607	999,945	SH	X		1
BANK OF AMERICA CORP	COM	060505104	3,392	74,376	SH		X	1 6
BANK MUTUAL CORP NEW	COM	063750103	237	21,398	SH	X		1

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MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCR				
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
BANK MUTUAL CORP NEW	COM	063750103	195	17,668	SH			X	1
BANK NEW YORK INC	COM	064057102	1,950	67,748	SH	X			1
BANK NEW YORK INC	COM	064057102	433	15,040	SH			X	1
BANTA CORP	COM	066821109	230	5,061	SH	X			1
BANTA CORP	COM	066821109	45	1,000	SH			X	1
BARD C R INC	COM	067383109	717	10,779	SH	X			1
BARD C R INC	COM	067383109	1,468	22,065	SH			X	1
BARRICK GOLD CORP	COM	067901108	489	19,530	SH			X	1
BAUSCH & LOMB INC	COM	071707103	12,525	150,899	SH	X			1
BAUSCH & LOMB INC	COM	071707103	9	110	SH			X	1
BAXTER INTL INC	COM	071813109	7,774	209,548	SH	X			1
BAXTER INTL INC	COM	071813109	594	15,998	SH			X	1
BE AEROSPACE INC	COM	073302101	2,277	145,662	SH	X			1
BEAR STEARNS COS INC	COM	073902108	348	3,351	SH	X			1
BEAR STEARNS COS INC	COM	073902108	13	125	SH			X	1
BECTON DICKINSON & CO	COM	075887109	386	7,361	SH	X			1
BECTON DICKINSON & CO	COM	075887109	6	108	SH			X	1
BED BATH & BEYOND INC	COM	075896100	509	12,188	SH	X			1
BED BATH & BEYOND INC	COM	075896100	286	6,854	SH			X	1
BELLSOUTH CORP	COM	079860102	13,655	513,912	SH	X			1
BELLSOUTH CORP	COM	079860102	1,733	65,224	SH			X	1 6
BEMIS INC	COM	081437105	210	7,899	SH	X			1
BEMIS INC	COM	081437105	8	320	SH			X	1
BERKLEY W R CORP	COM	084423102	948	26,556	SH	X			1
BERKLEY W R CORP	COM	084423102	11	310	SH			X	1
BERKSHIRE HATHAWAY INC	CL A	084670108	1,002	12	SH	X			1
BERKSHIRE HATHAWAY INC	CL A	084670108	1,169	14	SH			X	1
BERKSHIRE HATHAWAY INC	CL B	084670207	2,497	897	SH	X			1
BERKSHIRE HATHAWAY INC	CL B	084670207	1,152	414	SH			X	1
BEST BUY INC	COM	086516101	9,577	139,713	SH	X			1
BEST BUY INC	COM	086516101	1,820	26,551	SH			X	1 6
BIG LOTS INC	COM	089302103	185	14,000	SH	X			1
BIOMET INC	COM	090613100	674	19,466	SH	X			1
BIOMET INC	COM	090613100	75	2,158	SH			X	1
BIOGEN IDEC INC	COM	09062X103	52	1,514	SH	X			1
BIOGEN IDEC INC	COM	09062X103	210	6,082	SH			X	1
BLACK & DECKER CORP	COM	091797100	654	7,274	SH	X			1
BLACK & DECKER CORP	COM	091797100	21	233	SH			X	1
BLACKROCK FLA INSD MUN	COM	09247H106	184	11,954	SH	X			1
BLOCK H & R INC	COM	093671105	549	9,408	SH	X			1
BLOCK H & R INC	COM	093671105	91	1,551	SH			X	1
BOEING CO	COM	097023105	9,827	148,896	SH	X			1
BOEING CO	COM	097023105	839	12,718	SH			X	1 6
BORG WARNER INC	COM	099724106	520	9,682	SH	X			1
BORG WARNER INC	COM	099724106	11	210	SH			X	1
BOSTON SCIENTIFIC CORP	COM	101137107	762	28,207	SH	X			1
BOSTON SCIENTIFIC CORP	COM	101137107	32	1,195	SH			X	1

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BOWATER INC	COM	102183100	9,411	290,725	SH	X			1
BRADY CORP	CL A	104674106	107	3,454	SH	X			1
BRADY CORP	CL A	104674106	1,606	51,800	SH		X		1
BRIGGS & STRATTON CORP	COM	109043109	195	5,624	SH	X			1
BRIGGS & STRATTON CORP	COM	109043109	235	6,800	SH		X		1
BRISTOL MYERS SQUIBB	COM	110122108	15,300	612,477	SH	X			1
BRISTOL MYERS SQUIBB	COM	110122108	1,704	68,229	SH		X		1
BROADCOM CORP	CL A	111320107	1,201	33,808	SH	X			1
BROADCOM CORP	CL A	111320107	3	74	SH		X		1
BROWN FORMAN CORP	CL B	115637209	253	4,180	SH	X			1
BROWN FORMAN CORP	CL B	115637209	5	90	SH		X		1
BRUNSWICK CORP	COM	117043109	6,522	150,563	SH	X			1
BRUNSWICK CORP	COM	117043109	14	317	SH		X		1
BURLINGTN NRTN SNTA FE	COM	12189T104	3,883	82,475	SH	X			1
BURLINGTN NRTN SNTA FE	COM	12189T104	569	12,085	SH		X		1
BURLINGTON RES INC	COM	122014103	12,435	225,108	SH	X			1
BURLINGTON RES INC	COM	122014103	585	10,599	SH		X		1
CB RICHARD ELLIS GROUP	CL A	12497T101	3,194	72,831	SH	X			1
CIGNA CORP	COM	125509109	905	8,458	SH	X			1
CIGNA CORP	COM	125509109	59	551	SH		X		1
CSX CORP	COM	126408103	7,674	179,889	SH	X			1
CSX CORP	COM	126408103	33	768	SH		X		1
CVS CORP	COM	126650100	10,649	366,322	SH	X			1
CVS CORP	COM	126650100	146	5,016	SH		X		1
CV THERAPEUTICS INC	COM	126667104	1,746	77,865	SH	X			1
CAMECO CORP	COM	13321L108	255	5,700	SH	X			1
CAMECO CORP	COM	13321L108	40	885	SH		X		1
CAMPBELL SOUP CO	COM	134429109	471	15,295	SH	X			1
CAMPBELL SOUP CO	COM	134429109	31	998	SH		X		1
CANADIAN NAT RES LTD	COM	136385101	333	9,153	SH	X			1
CAPITAL ONE FINL CORP	COM	14040H105	1,233	15,412	SH	X			1
CAPITAL ONE FINL CORP	COM	14040H105	12	156	SH		X		1
CAPSTONE TURBINE CORP	COM	14067D102	19	15,000	SH	X			1
CARDINAL HEALTH INC	COM	14149Y108	2,380	41,342	SH	X			1
CARDINAL HEALTH INC	COM	14149Y108	331	5,744	SH		X		1
CAREMARK RX INC	COM	141705103	4,032	90,555	SH	X			1
CAREMARK RX INC	COM	141705103	106	2,372	SH		X		1
CARLISLE COS INC	COM	142339100	1,681	24,495	SH	X			1
CARMAX INC	COM	143130102	946	35,480	SH	X			1
CARNIVAL CORP	PAIRED CTF	143658300	1,631	29,891	SH	X			1
CARNIVAL CORP	PAIRED CTF	143658300	427	7,833	SH		X		1
CASH SYSTEMS INC	COM	14756B102	987	119,577	SH	X			1
CATERPILLAR INC DEL	COM	149123101	13,169	138,172	SH	X			1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCR			OTHER MGRS
						SHR (B)	OTHR (C)	OTHR	
CATERPILLAR INC DEL	COM	149123101	2,580	27,074	SH			X	1 6
CELGENE CORP	COM	151020104	1,452	35,667	SH	X			1

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CELGENE CORP	COM	151020104	7	160	SH		X	1
CENDANT CORP	COM	151313103	1,474	65,897	SH	X		1
CENDANT CORP	COM	151313103	19	870	SH		X	1
CENTENE CORP DEL	COM	15135B101	4,023	119,812	SH	X		1
CENTENE CORP DEL	COM	15135B101	6	184	SH		X	1
CENTERPOINT ENERGY INC	COM	15189T107	297	22,508	SH	X		1
CENTERPOINT ENERGY INC	COM	15189T107	8	619	SH		X	1
CENTEX CORP	COM	152312104	443	6,269	SH	X		1
CENTEX CORP	COM	152312104	12	171	SH		X	1
CENTRAL EUROPEAN DIST	COM	153435102	1,748	46,820	SH	X		1
CENTURY ALUM CO	COM	156431108	277	13,574	SH	X		1
CEPHALON INC	COM	156708109	908	22,811	SH	X		1
CHARLES & COLVARD LTD	COM	159765106	1,916	78,033	SH	X		1
CHECKPOINT SYS INC	COM	162825103	285	16,108	SH	X		1
CHEMICAL FINL CORP	COM	163731102	354	10,686	SH		X	1
CHESAPEAKE ENERGY CORP	COM	165167107	3,124	137,033	SH	X		1
CHESAPEAKE ENERGY CORP	COM	165167107	91	4,000	SH		X	1
CHEVRON CORP NEW	COM	166764100	45,546	814,477	SH	X		1
CHEVRON CORP NEW	COM	166764100	4,602	82,301	SH		X	1 6
CHICAGO BRIDGE & IRON	N Y REGISTRY SH	167250109	1,761	77,013	SH	X		1
CHICAGO BRIDGE & IRON	N Y REGISTRY SH	167250109	5	200	SH		X	1
CHICOS FAS INC	COM	168615102	1,069	31,184	SH	X		1
CHICOS FAS INC	COM	168615102	3	90	SH		X	1
CHILDRENS PL STORES	COM	168905107	4,104	87,930	SH	X		1
CHILDRENS PL STORES	COM	168905107	7	144	SH		X	1
CHUBB CORP	COM	171232101	16,976	198,300	SH	X		1
CHUBB CORP	COM	171232101	680	7,948	SH		X	1 6
CHUNGHWA TELECOM CO	SPONSORED ADR	17133Q205	240	11,203	SH		X	1
CINCINNATI FINL CORP	COM	172062101	200	5,059	SH	X		1
CINCINNATI FINL CORP	COM	172062101	10	263	SH		X	1
CINERGY CORP	COM	172474108	12,849	286,677	SH	X		1
CINERGY CORP	COM	172474108	55	1,224	SH		X	1 6
CISCO SYS INC	COM	17275R102	13,197	691,666	SH	X		1
CISCO SYS INC	COM	17275R102	1,830	95,890	SH		X	1 6
CINTAS CORP	COM	172908105	326	8,441	SH	X		1
CINTAS CORP	COM	172908105	121	3,132	SH		X	1
CITIGROUP INC	COM	172967101	65,468	1,416,135	SH	X		1
CITIGROUP INC	COM	172967101	4,838	104,654	SH		X	1 6
CITIZENS COMMUNICATNS	COM	17453B101	16,408	1,220,861	SH	X		1
CITIZENS COMMUNICATNS	COM	17453B101	33	2,438	SH		X	1 6
CITRIX SYS INC	COM	177376100	435	20,083	SH	X		1
CITRIX SYS INC	COM	177376100	9	399	SH		X	1
CLARCOR INC	COM	179895107	25	852	SH	X		1
CLARCOR INC	COM	179895107	410	14,000	SH		X	1
CLEAR CHANNEL CMMNCTNS	COM	184502102	592	19,140	SH	X		1
CLEAR CHANNEL CMMNCTNS	COM	184502102	13	423	SH		X	1
CLOROX CO DEL	COM	189054109	1,532	27,497	SH	X		1
CLOROX CO DEL	COM	189054109	76	1,365	SH		X	1
COACH INC	COM	189754104	2,540	75,654	SH	X		1
COACH INC	COM	189754104	13	392	SH		X	1
COCA COLA CO	COM	191216100	16,654	398,906	SH	X		1
COCA COLA CO	COM	191216100	4,075	97,597	SH		X	1 6
COCA COLA ENTERPRISES	COM	191219104	11,141	506,192	SH	X		1
COCA COLA ENTERPRISES	COM	191219104	2	77	SH		X	1
COGNIZANT TCHNLGY SOL	CL A	192446102	3,646	77,368	SH	X		1
COGNIZANT TCHNLGY SOL	CL A	192446102	14	295	SH		X	1
COLGATE PALMOLIVE CO	COM	194162103	8,901	178,336	SH	X		1
COLGATE PALMOLIVE CO	COM	194162103	1,849	37,053	SH		X	1 6
COMCAST CORP NEW	CL A	20030N101	9,226	300,809	SH	X		1
COMCAST CORP NEW	CL A	20030N101	307	10,024	SH		X	1 6
COMCAST CORP NEW	CL A SPL	20030N200	59	1,979	SH	X		1
COMCAST CORP NEW	CL A SPL	20030N200	357	11,935	SH		X	1

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COMERICA INC	COM	200340107	2,881	49,845	SH	X			1
COMERICA INC	COM	200340107	174	3,006	SH		X		1 6
COMMERCE BANCSHARES	COM	200525103	329	6,519	SH	X			1
COMMERCE BANCSHARES	COM	200525103	27	532	SH		X		1
COMMERCE GROUP INC	COM	200641108	229	3,690	SH		X		1
COMMUNITY HEALTH SYS	COM	203668108	4,300	113,793	SH	X			1
COMMUNITY HEALTH SYS	COM	203668108	7	180	SH		X		1
COMPUTER ASSOC INTL	COM	204912109	131	4,749	SH	X			1
COMPUTER ASSOC INTL	COM	204912109	121	4,407	SH		X		1
COMPUTER SCIENCES CORP	COM	205363104	12,445	284,782	SH	X			1
COMPUTER SCIENCES CORP	COM	205363104	8	175	SH		X		1
COMVERSE TECHNOLOGY	COM PAR \$0.10	205862402	2,683	113,561	SH	X			1
COMVERSE TECHNOLOGY	COM PAR \$0.10	205862402	95	4,000	SH		X		1
CONAGRA FOODS INC	COM	205887102	2,929	126,461	SH	X			1
CONAGRA FOODS INC	COM	205887102	79	3,419	SH		X		1 6
CONOCOPHILLIPS	COM	20825C104	18,448	320,897	SH	X			1
CONOCOPHILLIPS	COM	20825C104	353	6,144	SH		X		1
CONSOLIDATED EDISON	COM	209115104	1,854	39,574	SH	X			1
CONSOLIDATED EDISON	COM	209115104	113	2,405	SH		X		1 6
CONSTELLATION ENERGY	COM	210371100	14,548	252,179	SH	X			1
CONSTELLATION ENERGY	COM	210371100	15	256	SH		X		1
CONTANGO OIL & GAS CO	COM NEW	21075N204	1,868	203,087	SH	X			1
CONVERGYS CORP	COM	212485106	8,898	625,708	SH	X			1
CORNING INC	COM	219350105	3,075	185,009	SH	X			1
CORNING INC	COM	219350105	22	1,340	SH		X		1
COSI INC	COM	22122P101	1,220	176,875	SH	X			1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE SHR CALL (A)	INVESTMENT DISCR			
						SHR (B)	OTHR (C)	OTHR MGRS	
COSTCO WHSL CORP NEW	COM	22160K105	523	11,700	SH	X			1
COSTCO WHSL CORP NEW	COM	22160K105	282	6,314	SH		X		1
COSTAR GROUP INC	COM	22160N109	681	15,613	SH	X			1
COUNTRYWIDE FINANCIAL	COM	222372104	2,927	75,811	SH	X			1
COUNTRYWIDE FINANCIAL	COM	222372104	421	10,892	SH		X		1
COVANCE INC	COM	222816100	1,838	40,955	SH	X			1
COVANCE INC	COM	222816100	15	324	SH		X		1
CREE INC	COM	225447101	1,542	60,556	SH	X			1
CREE INC	COM	225447101	15	600	SH		X		1
CUMMINS INC	COM	231021106	4,329	58,018	SH	X			1
CUMMINS INC	COM	231021106	10	139	SH		X		1
CUTERA INC	COM	232109108	2,166	124,853	SH	X			1
DNP SELECT INCOME FD	COM	23325P104	1,361	117,781	SH	X			1
DNP SELECT INCOME FD	COM	23325P104	34	3,000	SH		X		1
D R HORTON INC	COM	23331A109	2,782	73,969	SH	X			1
DTE ENERGY CO	COM	233331107	4,013	85,806	SH	X			1
DTE ENERGY CO	COM	233331107	60	1,290	SH		X		1 6
DANA CORP	COM	235811106	1,134	75,517	SH	X			1
DANA CORP	COM	235811106	24	1,594	SH		X		1 6

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DANAHER CORP DEL	COM	235851102	464	8,873	SH	X		1
DANAHER CORP DEL	COM	235851102	13	246	SH		X	1
DAVE & BUSTERS INC	COM	23833N104	1,151	62,426	SH	X		1
DEAN FOODS CO NEW	COM	242370104	241	6,848	SH	X		1
DEAN FOODS CO NEW	COM	242370104	3	80	SH		X	1
DEERE & CO	COM	244199105	408	6,237	SH	X		1
DEERE & CO	COM	244199105	222	3,393	SH		X	1
DEL MONTE FOODS CO	COM	24522P103	11,521	1,069,732	SH	X		1
DELL INC	COM	24702R101	14,901	377,612	SH	X		1
DELL INC	COM	24702R101	2,371	60,077	SH		X	1 6
DENBURY RES INC	COM NEW	247916208	3,432	86,298	SH	X		1
DELUXE CORP	COM	248019101	2,482	61,145	SH	X		1
DENTSPLY INTL INC NEW	COM	249030107	158	2,917	SH	X		1
DENTSPLY INTL INC NEW	COM	249030107	43	800	SH		X	1
DESARROLLADORA HOMEX	SPONSORED ADR	25030W100	1,712	62,426	SH	X		1
DEVON ENERGY CORP NEW	COM	25179M103	1,578	31,142	SH	X		1
DEVON ENERGY CORP NEW	COM	25179M103	91	1,803	SH		X	1
DEXCOM INC	COM	252131107	903	72,831	SH	X		1
DIEBOLD INC	COM	253651103	52	1,154	SH	X		1
DIEBOLD INC	COM	253651103	280	6,200	SH		X	1
DISNEY WALT CO	COM DISNEY	254687106	19,066	757,191	SH	X		1
DISNEY WALT CO	COM DISNEY	254687106	1,368	54,339	SH		X	1
DOLLAR GEN CORP	COM	256669102	1,208	59,326	SH	X		1
DOLLAR GEN CORP	COM	256669102	24	1,163	SH		X	1
DOMINION RES INC	COM	25746U109	8,964	122,147	SH	X		1
DOMINION RES INC	COM	25746U109	125	1,701	SH		X	1 6
DONNELLEY R R & SONS	COM	257867101	18,080	523,901	SH	X		1
DONNELLEY R R & SONS	COM	257867101	77	2,243	SH		X	1 6
DOVER CORP	COM	260003108	35	974	SH	X		1
DOVER CORP	COM	260003108	236	6,490	SH		X	1
DOW CHEM CO	COM	260543103	17,478	392,500	SH	X		1
DOW CHEM CO	COM	260543103	856	19,227	SH		X	1 6
DOW JONES & CO INC	COM	260561105	643	18,142	SH	X		1
DOW JONES & CO INC	COM	260561105	16	442	SH		X	1
DU PONT E I DE NEMOURS	COM	263534109	13,226	307,521	SH	X		1
DU PONT E I DE NEMOURS	COM	263534109	1,278	29,704	SH		X	1 6
DUKE ENERGY CORP	COM	264399106	9,643	324,336	SH	X		1
DUKE ENERGY CORP	COM	264399106	223	7,498	SH		X	1 6
DUN & BRADSTREET CORP	COM	26483E100	240	3,896	SH	X		1
EDP ENERGIAS DE PORTGL	SPONSORED ADR	268353109	207	8,247	SH		X	1
E-LOAN INC	COM	26861P107	1,651	494,171	SH	X		1
E M C CORP MASS	COM	268648102	875	63,831	SH	X		1
E M C CORP MASS	COM	268648102	25	1,798	SH		X	1
ENSCO INTL INC	COM	26874Q100	21,228	593,793	SH	X		1
ENSCO INTL INC	COM	26874Q100	803	22,463	SH		X	1
ENI S P A	SPONSORED ADR	26874R108	5	38	SH	X		1
ENI S P A	SPONSORED ADR	26874R108	241	1,882	SH		X	1
EOG RES INC	COM	26875P101	1,491	26,249	SH	X		1
EOG RES INC	COM	26875P101	69	1,215	SH		X	1
EASTMAN CHEM CO	COM	277432100	1,326	24,044	SH	X		1
EASTMAN CHEM CO	COM	277432100	37	678	SH		X	1 6
EASTMAN KODAK CO	COM	277461109	7,733	288,019	SH	X		1
EASTMAN KODAK CO	COM	277461109	14	539	SH		X	1
EATON CORP	COM	278058102	400	6,671	SH	X		1
EATON CORP	COM	278058102	369	6,160	SH		X	1
EATON VANCE LTD DURTN	COM	27828H105	304	16,770	SH	X		1
EBAY INC	COM	278642103	1,155	34,994	SH	X		1
EBAY INC	COM	278642103	217	6,559	SH		X	1
ECOLAB INC	COM	278865100	868	26,819	SH	X		1
ECOLAB INC	COM	278865100	340	10,509	SH		X	1
EDISON INTL	COM	281020107	2,642	65,163	SH	X		1
EDISON INTL	COM	281020107	65	1,603	SH		X	1 6

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EDWARDS LIFESCIENCES	COM	28176E108	866	20,126	SH	X			1
EDWARDS LIFESCIENCES	COM	28176E108	34	785	SH			X	1
ELECTRONIC ARTS INC	COM	285512109	3,983	70,354	SH	X			1
ELECTRONIC ARTS INC	COM	285512109	128	2,263	SH			X	1 6
EMAGEON INC	COM	29076V109	1,164	83,236	SH	X			1
EMERSON ELEC CO	COM	291011104	9,568	152,772	SH	X			1
EMERSON ELEC CO	COM	291011104	2,751	43,923	SH			X	1 6
ENBRIDGE ENERGY PRTNRS	COM	29250R106	302	5,636	SH	X			1
ENBRIDGE ENERGY PRTNRS	COM	29250R106	5	100	SH			X	1

MARSHALL & ILSLEY TRUST CO N.A.
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- - - - COLUMN 1 - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCR			OTHER MGRS
						SHR (B)	OTHR (C)	OTHR	
ENCANA CORP	COM	292505104	12	300	SH	X			1
ENCANA CORP	COM	292505104	204	5,161	SH			X	1
ENERGIZER HLDGS INC	COM	29266R108	149	2,396	SH	X			1
ENERGIZER HLDGS INC	COM	29266R108	81	1,303	SH			X	1
ENGINEERED SUPPORT SYS	COM	292866100	196	5,457	SH	X			1
ENGINEERED SUPPORT SYS	COM	292866100	56	1,575	SH			X	1
ENTERGY CORP NEW	COM	29364G103	2,533	33,530	SH	X			1
ENTERGY CORP NEW	COM	29364G103	54	714	SH			X	1 6
ENTRUST INC	COM	293848107	1,545	322,563	SH	X			1
EQUIFAX INC	COM	294429105	513	14,366	SH	X			1
EQUIFAX INC	COM	294429105	17	463	SH			X	1
EQUITY INV FD UNIT	UT 1 EX SR-ATT	294700703	214	2,729	SH	X			1
EQUITY OFFICE PRPRTS	COM	294741103	3,394	102,538	SH	X			1
EQUITY OFFICE PRPRTS	COM	294741103	80	2,419	SH			X	1 6
EQUITY RESIDENTIAL	SH BEN INT	29476L107	6,012	163,271	SH	X			1
EQUITY RESIDENTIAL	SH BEN INT	29476L107	36	965	SH			X	1 6
ERICSSON L M TEL CO	ADR B SEK 10	294821608	5,596	175,162	SH	X			1
ERICSSON L M TEL CO	ADR B SEK 10	294821608	425	13,299	SH			X	1 6
EXELON CORP	COM	30161N101	5,707	111,175	SH	X			1
EXELON CORP	COM	30161N101	197	3,844	SH			X	1 6
EXPLORATION CO	COM NEW	302133202	1,663	385,033	SH	X			1
EXPRESS SCRIPTS INC	COM	302182100	199	3,978	SH	X			1
EXPRESS SCRIPTS INC	COM	302182100	7	138	SH			X	1
EXXON MOBIL CORP	COM	30231G102	85,731	1,491,756	SH	X			1
EXXON MOBIL CORP	COM	30231G102	21,040	366,099	SH			X	1 6
FLIR SYS INC	COM	302445101	2,193	73,503	SH	X			1
FPL GROUP INC	COM	302571104	3,613	85,904	SH	X			1
FPL GROUP INC	COM	302571104	608	14,454	SH			X	1 6
FAIR ISAAC CORP	COM	303250104	2,438	66,785	SH	X			1
FAMILY DLR STORES INC	COM	307000109	220	8,416	SH	X			1
FAMILY DLR STORES INC	COM	307000109	1	53	SH			X	1
FASTENAL CO	COM	311900104	985	16,089	SH	X			1
FASTENAL CO	COM	311900104	61	1,000	SH			X	1
FEDERAL HOME LN MTG	COM	313400301	15,288	234,371	SH	X			1
FEDERAL HOME LN MTG	COM	313400301	1,531	23,465	SH			X	1 6
FEDERAL NATL MTG ASSN	COM	313586109	6,706	114,830	SH	X			1

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FEDERAL NATL MTG ASSN	COM	313586109	1,115	19,087	SH		X	1
FEDERATED DEPT STORES	COM	31410H101	1,638	22,359	SH	X		1
FEDERATED DEPT STORES	COM	31410H101	80	1,085	SH		X	1
FEDEX CORP	COM	31428X106	5,047	62,297	SH	X		1
FEDEX CORP	COM	31428X106	955	11,784	SH		X	1 6
FIFTH THIRD BANCORP	COM	316773100	1,733	42,082	SH	X		1
FIFTH THIRD BANCORP	COM	316773100	692	16,818	SH		X	1
FIRST DATA CORP	COM	319963104	950	23,678	SH	X		1
FIRST DATA CORP	COM	319963104	409	10,191	SH		X	1
FIRST HORIZON NATL CORP	COM	320517105	1,662	39,389	SH	X		1
FIRST HORIZON NATL CORP	COM	320517105	151	3,576	SH		X	1 6
1ST SOURCE CORP	COM	336901103	1,127	49,140	SH		X	1
FISERV INC	COM	337738108	7,266	169,420	SH	X		1
FISERV INC	COM	337738108	494	11,526	SH		X	1
FIRSTENERGY CORP	COM	337932107	8,105	168,471	SH	X		1
FIRSTENERGY CORP	COM	337932107	60	1,239	SH		X	1 6
FISHER SCIENTIFIC INTL	COM NEW	338032204	4,460	68,718	SH	X		1
FISHER SCIENTIFIC INTL	COM NEW	338032204	8	123	SH		X	1
FORD MTR CO DEL	COM PAR \$0.01	345370860	622	60,719	SH	X		1
FORD MTR CO DEL	COM PAR \$0.01	345370860	346	33,796	SH		X	1
FOREST LABS INC	COM	345838106	144	3,718	SH	X		1
FOREST LABS INC	COM	345838106	424	10,910	SH		X	1
FORTUNE BRANDS INC	COM	349631101	5,238	58,983	SH	X		1
FORTUNE BRANDS INC	COM	349631101	536	6,034	SH		X	1
FRANKLIN RES INC	COM	354613101	339	4,410	SH	X		1
FRANKLIN RES INC	COM	354613101	58	755	SH		X	1
FRANKLIN TEMPLETON LTD	COM	35472T101	136	10,000	SH	X		1
FREEMPORT-MCMORAN COPPER	CL B	35671D857	227	6,066	SH	X		1
FREEMPORT-MCMORAN COPPER	CL B	35671D857	21	548	SH		X	1
FREESCALE SEMICONDUCTOR	CL B	35687M206	447	21,128	SH	X		1
FREESCALE SEMICONDUCTOR	CL B	35687M206	32	1,521	SH		X	1
FREIGHTCAR AMER INC	COM	357023100	1,236	62,340	SH	X		1
FREMONT GEN CORP	COM	357288109	955	39,270	SH	X		1
FUJI PHOTO FILM LTD	ADR	359586302	2	50	SH	X		1
FUJI PHOTO FILM LTD	ADR	359586302	227	6,952	SH		X	1
FURNITURE BRANDS INTL	COM	360921100	11,727	542,682	SH	X		1
GALLAHER GROUP PLC	SPONSORED ADR	363595109	398	6,706	SH	X		1
GALLAHER GROUP PLC	SPONSORED ADR	363595109	116	1,950	SH		X	1
GANNETT INC	COM	364730101	7,571	106,440	SH	X		1
GANNETT INC	COM	364730101	860	12,092	SH		X	1 6
GAP INC DEL	COM	364760108	333	16,850	SH	X		1
GAP INC DEL	COM	364760108	571	28,931	SH		X	1
GASCO ENERGY INC	COM	367220100	1,771	478,577	SH	X		1
GAYLORD ENTMT CO NEW	COM	367905106	46	1,000	SH	X		1
GAYLORD ENTMT CO NEW	COM	367905106	232	5,000	SH		X	1
GEHL CO	COM	368483103	623	16,000	SH		X	1
GENENTECH INC	COM NEW	368710406	2,441	30,401	SH	X		1
GENENTECH INC	COM NEW	368710406	624	7,778	SH		X	1
GENERAL COMMUNICATION	CL A	369385109	219	22,159	SH	X		1
GENERAL DYNAMICS CORP	COM	369550108	3,905	35,646	SH	X		1
GENERAL DYNAMICS CORP	COM	369550108	14	124	SH		X	1
GENERAL ELEC CO	COM	369604103	92,298	2,663,713	SH	X		1
GENERAL ELEC CO	COM	369604103	17,060	492,344	SH		X	1 6
GENERAL MLS INC	COM	370334104	2,160	46,155	SH	X		1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2005

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----- COLUMN 1 ----- COLUMN 2 ----- COLUMN 3 ----- COLUMN 4 ----- COLUMN 5 COLUMN 6 ----- COLUMN 7 -----									
NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET		INVESTMENT DISCR				
			VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
GENERAL MLS INC	COM	370334104	952	20,337	SH			X	1
GENERAL MTRS CORP	COM	370442105	1,090	32,059	SH	X			1
GENERAL MTRS CORP	COM	370442105	185	5,451	SH			X	1
GENUINE PARTS CO	COM	372460105	3,511	85,443	SH	X			1
GENUINE PARTS CO	COM	372460105	133	3,231	SH			X	1 6
GENZYME CORP	COM	372917104	1,482	24,658	SH	X			1
GENZYME CORP	COM	372917104	13	212	SH			X	1
GEORGIA PAC CORP	COM	373298108	312	9,804	SH	X			1
GEORGIA PAC CORP	COM	373298108	361	11,365	SH			X	1
GILEAD SCIENCES INC	COM	375558103	2,018	45,880	SH	X			1
GILEAD SCIENCES INC	COM	375558103	34	771	SH			X	1
GILLETTE CO	COM	375766102	13,971	275,934	SH	X			1
GILLETTE CO	COM	375766102	2,303	45,487	SH			X	1 6
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	951	19,598	SH	X			1
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	875	18,030	SH			X	1
GLENAYRE TECHNOLOGIES	COM	377899109	38	10,000	SH	X			1
GLOBAL PMTS INC	COM	37940X102	1,854	27,344	SH	X			1
GLOBAL PMTS INC	COM	37940X102	6	86	SH			X	1
GOLDEN WEST FINL CORP	COM	381317106	481	7,479	SH	X			1
GOLDEN WEST FINL CORP	COM	381317106	67	1,044	SH			X	1
GOLDMAN SACHS GROUP INC	COM	38141G104	23,388	229,249	SH	X			1
GOLDMAN SACHS GROUP INC	COM	38141G104	1,465	14,359	SH			X	1 6
GOODRICH CORP	COM	382388106	2,611	63,745	SH	X			1
GOODRICH CORP	COM	382388106	3	64	SH			X	1
GRAINGER W W INC	COM	384802104	9,221	168,296	SH	X			1
GRAINGER W W INC	COM	384802104	66	1,200	SH			X	1
GREAT PLAINS ENERGY INC	COM	391164100	1,311	41,105	SH	X			1
GREAT PLAINS ENERGY INC	COM	391164100	13	400	SH			X	1
GREATER BAY BANCORP	COM	391648102	10	364	SH	X			1
GREATER BAY BANCORP	COM	391648102	263	10,000	SH			X	1
GREENHILL & CO INC	COM	395259104	1,686	41,631	SH	X			1
GTECH HLDGS CORP	COM	400518106	3,827	130,884	SH	X			1
GTECH HLDGS CORP	COM	400518106	205	6,995	SH			X	1
GUIDANT CORP	COM	401698105	1,383	20,546	SH	X			1
GUIDANT CORP	COM	401698105	219	3,247	SH			X	1
HCA INC	COM	404119109	5,581	98,475	SH	X			1
HCA INC	COM	404119109	265	4,671	SH			X	1
HSBC HLDGS PLC	SPON ADR NEW	404280406	578	7,257	SH	X			1
HSBC HLDGS PLC	SPON ADR NEW	404280406	614	7,706	SH			X	1
HAEMONETICS CORP	COM	405024100	2,278	56,043	SH	X			1
HALLIBURTON CO	COM	406216101	1,611	33,696	SH	X			1
HALLIBURTON CO	COM	406216101	206	4,303	SH			X	1
HARLEY DAVIDSON INC	COM	412822108	11,805	238,002	SH	X			1
HARLEY DAVIDSON INC	COM	412822108	2,084	42,018	SH			X	1 6
HARMAN INTL INDS INC	COM	413086109	848	10,424	SH	X			1
HARRAHS ENTMT INC	COM	413619107	394	5,462	SH	X			1
HARRAHS ENTMT INC	COM	413619107	20	276	SH			X	1
HARRIS CORP DEL	COM	413875105	1,275	40,844	SH	X			1
HARRIS CORP DEL	COM	413875105	8	250	SH			X	1
HARTFORD FINL SVCS GRP	COM	416515104	3,068	41,024	SH	X			1
HARTFORD FINL SVCS GRP	COM	416515104	222	2,968	SH			X	1
HAWAIIAN ELEC INDSTRS	COM	419870100	258	9,617	SH	X			1
HEALTH MGMT ASSOC INC	CL A	421933102	172	6,584	SH	X			1

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HEALTH MGMT ASSOC INC	CL A	421933102	252	9,629	SH		X	1
HEALTHEXTRAS INC	COM	422211102	253	12,600	SH	X		1
HEARTLAND FINL USA INC	COM	42234Q102	234	11,979	SH	X		1
HEINZ H J CO	COM	423074103	4,393	124,012	SH	X		1
HEINZ H J CO	COM	423074103	511	14,413	SH		X	1 6
HERSHEY CO	COM	427866108	901	14,514	SH	X		1
HERSHEY CO	COM	427866108	239	3,841	SH		X	1
HEWLETT PACKARD CO	COM	428236103	4,229	179,890	SH	X		1
HEWLETT PACKARD CO	COM	428236103	851	36,200	SH		X	1
HIBERNIA CORP	CL A	428656102	250	7,549	SH	X		1
HILB ROGAL & HOBBS CO	COM	431294107	228	6,630	SH	X		1
HILTON HOTELS CORP	COM	432848109	2,163	90,706	SH	X		1
HILTON HOTELS CORP	COM	432848109	37	1,546	SH		X	1
HOME DEPOT INC	COM	437076102	15,311	393,587	SH	X		1
HOME DEPOT INC	COM	437076102	1,145	29,437	SH		X	1
HONEYWELL INTL INC	COM	438516106	1,185	32,350	SH	X		1
HONEYWELL INTL INC	COM	438516106	437	11,934	SH		X	1
HOSPIRA INC	COM	441060100	678	17,372	SH	X		1
HOSPIRA INC	COM	441060100	59	1,519	SH		X	1
HOUSTON EXPL CO	COM	442120101	371	7,000	SH	X		1
HOUSTON EXPL CO	COM	442120101	14	263	SH		X	1
HUBBELL INC	CL B	443510201	5,726	129,830	SH	X		1
HUDSON HIGHLAND GROUP	COM	443792106	1,702	109,151	SH	X		1
HUDSON UNITED BANCORP	COM	444165104	273	7,562	SH	X		1
HUMANA INC	COM	444859102	413	10,403	SH	X		1
HUMANA INC	COM	444859102	32	806	SH		X	1
HUNTINGTON BANCSHARES	COM	446150104	320	13,265	SH	X		1
HUNTINGTON BANCSHARES	COM	446150104	8	343	SH		X	1
HUTCHINSON TECHNOLOGY	COM	448407106	41	1,074	SH	X		1
HUTCHINSON TECHNOLOGY	COM	448407106	250	6,500	SH		X	1
I-FLOW CORP	COM NEW	449520303	2,597	156,066	SH	X		1
IMS HEALTH INC	COM	449934108	428	17,277	SH	X		1
IMS HEALTH INC	COM	449934108	88	3,568	SH		X	1
ITT EDUCATIONAL SRVCS	COM	45068B109	293	5,493	SH	X		1
ITT INDS INC IND	COM	450911102	500	5,120	SH	X		1
ITT INDS INC IND	COM	450911102	50	511	SH		X	1
IDENTIX INC	COM	451906101	1,518	301,736	SH	X		1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - - COLUMN 2 - - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCR		
						SHR (B)	OTHR (C)	OTHR MGRS
ILLINOIS TOOL WKS INC	COM	452308109	3,512	44,081	SH	X		1
ILLINOIS TOOL WKS INC	COM	452308109	2,229	27,979	SH		X	1
IMATION CORP	COM	45245A107	12,137	312,881	SH	X		1
IMATION CORP	COM	45245A107	4	100	SH		X	1
IMAX CORP	COM	45245E109	4,138	416,255	SH	X		1
INDUS INTL INC	COM	45578L100	197	80,000	SH	X		1
INFOSPACE INC	COM NEW	45678T201	3,388	102,893	SH	X		1
ING GROUP N V	SPONSORED ADR	456837103	130	4,629	SH	X		1

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ING GROUP N V	SPONSORED ADR	456837103	390	13,911	SH		X	1
INTEL CORP	COM	458140100	25,967	997,966	SH	X		1
INTEL CORP	COM	458140100	5,609	215,567	SH		X	1 6
INTRNTNL BUSINESS MACH	COM	459200101	21,594	291,027	SH	X		1
INTRNTNL BUSINESS MACH	COM	459200101	4,341	58,507	SH		X	1 6
INTRNTNL GAME TECH	COM	459902102	581	20,648	SH	X		1
INTRNTNL GAME TECH	COM	459902102	7	231	SH		X	1
INTL PAPER CO	COM	460146103	611	20,221	SH	X		1
INTL PAPER CO	COM	460146103	161	5,333	SH		X	1
INTERPUBLIC GROUP COS	COM	460690100	9,485	778,705	SH	X		1
INVITROGEN CORP	COM	46185R100	3,406	40,889	SH	X		1
ISHARES INC	MSCI JAPAN	464286848	635	62,656	SH	X		1
ISHARES TR	DJ SEL DIV INX	464287168	466	7,550	SH	X		1
ISHARES TR	DJ SEL DIV INX	464287168	192	3,110	SH		X	1
ISHARES TR	US TIPS BD FD	464287176	397	3,702	SH	X		1
ISHARES TR	S&P 500 INDEX	464287200	15,117	126,916	SH	X		1
ISHARES TR	S&P 500 INDEX	464287200	714	5,993	SH		X	1
ISHARES TR	S&P500/BAR GRW	464287309	1,289	22,820	SH	X		1
ISHARES TR	S&P500/BAR GRW	464287309	10	170	SH		X	1
ISHARES TR	S&P500/BAR VAL	464287408	1,223	19,619	SH	X		1
ISHARES TR	S&P500/BAR VAL	464287408	68	1,097	SH		X	1
ISHARES TR	MSCI EAFE IDX	464287465	15,437	294,649	SH	X		1
ISHARES TR	MSCI EAFE IDX	464287465	1,626	31,040	SH		X	1
ISHARES TR	S&P MIDCAP 400	464287507	9,796	143,012	SH	X		1
ISHARES TR	S&P MIDCAP 400	464287507	581	8,481	SH		X	1
ISHARES TR	RUSSELL1000VAL	464287598	2,481	37,197	SH	X		1
ISHARES TR	S&P MIDCP GROW	464287606	678	9,760	SH	X		1
ISHARES TR	RUSSELL1000GRW	464287614	2,593	54,030	SH	X		1
ISHARES TR	RUSSELL 1000	464287622	398	6,181	SH	X		1
ISHARES TR	RUSSELL 1000	464287622	7	108	SH		X	1
ISHARES TR	RUSL 2000 VALU	464287630	432	6,721	SH	X		1
ISHARES TR	RUSL 2000 VALU	464287630	13	204	SH		X	1
ISHARES TR	RUSL 2000 GROW	464287648	565	8,720	SH	X		1
ISHARES TR	RUSSELL 2000	464287655	8,758	137,492	SH	X		1
ISHARES TR	RUSSELL 2000	464287655	1,084	17,014	SH		X	1
ISHARES TR	S&P MIDCP VALU	464287705	3,893	58,306	SH	X		1
ISHARES TR	S&P MIDCP VALU	464287705	469	7,032	SH		X	1
ISHARES TR	DJ US TECH SEC	464287721	654	14,281	SH	X		1
ISHARES TR	DJ US TECH SEC	464287721	27	590	SH		X	1
ISHARES TR	DJ US REAL EST	464287739	254	4,000	SH		X	1
ISHARES TR	DJ US INDUSTRIAL	464287754	233	4,341	SH	X		1
ISHARES TR	DJ US HEALTHCR	464287762	1,376	22,519	SH	X		1
ISHARES TR	DJ US HEALTHCR	464287762	43	702	SH		X	1
ISHARES TR	DJ US FINL SEC	464287788	237	2,499	SH	X		1
ISHARES TR	DJ US FINL SEC	464287788	21	220	SH		X	1
ISHARES TR	DJ US ENERGY	464287796	267	3,466	SH	X		1
ISHARES TR	S&P SMLCAP 600	464287804	2,176	39,558	SH	X		1
ISHARES TR	S&P SMLCAP 600	464287804	144	2,625	SH		X	1
ISHARES TR	S&P EURO PLUS	464287861	174	2,334	SH	X		1
ISHARES TR	S&P EURO PLUS	464287861	39	519	SH		X	1
ISHARES TR	S&P SMLCP VALU	464287879	436	7,080	SH	X		1
IVAX CORP	COM	465823102	2,003	93,143	SH	X		1
JPMORGAN & CHASE & CO	COM	46625H100	31,836	901,350	SH	X		1
JPMORGAN & CHASE & CO	COM	46625H100	3,912	110,756	SH		X	1 6
J2 GLOBAL COMMUNICATNS	COM NEW	46626E205	3,054	88,683	SH	X		1
JABIL CIRCUIT INC	COM	466313103	2,419	78,729	SH	X		1
JABIL CIRCUIT INC	COM	466313103	7	223	SH		X	1
JACOBS ENGR GROUP INC	COM	469814107	2,881	51,201	SH	X		1
JARDEN CORP	COM	471109108	5,263	97,610	SH	X		1
JEFFERSON PILOT CORP	COM	475070108	340	6,734	SH	X		1
JEFFERSON PILOT CORP	COM	475070108	68	1,352	SH		X	1
JOHNSON & JOHNSON	COM	478160104	37,962	584,029	SH	X		1

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JOHNSON & JOHNSON	COM	478160104	7,748	119,194	SH		X	1	6
JOHNSON CTLS INC	COM	478366107	11,139	197,745	SH	X			1
JOHNSON CTLS INC	COM	478366107	1,241	22,032	SH			X	1
JONES APPAREL GROUP	COM	480074103	10,351	333,478	SH	X			1
JONES APPAREL GROUP	COM	480074103	0	10	SH			X	1
JOS A BANK CLOTHIERS	COM	480838101	2,100	48,505	SH	X			1
JOS A BANK CLOTHIERS	COM	480838101	22	501	SH			X	1
JOY GLOBAL INC	COM	481165108	1,747	52,022	SH	X			1
JUPITERMEDIA CORP	COM	48207D101	1,158	67,628	SH	X			1
KLA-TENCOR CORP	COM	482480100	311	7,115	SH	X			1
KT CORP	SPONSORED ADR	48268K101	2	70	SH	X			1
KT CORP	SPONSORED ADR	48268K101	317	14,759	SH			X	1
KAYNE ANDERSON MLP	COM	486606106	4,988	186,468	SH	X			1
KB HOME	COM	48666K109	476	6,247	SH	X			1
KB HOME	COM	48666K109	13	177	SH			X	1
KELLOGG CO	COM	487836108	1,568	35,276	SH	X			1
KELLOGG CO	COM	487836108	5,892	132,593	SH			X	1
KENNAMETAL INC	COM	489170100	1,929	42,063	SH	X			1
KENNAMETAL INC	COM	489170100	135	2,943	SH			X	1
KERR MCGEE CORP	COM	492386107	7,021	92,006	SH	X			1

MARSHALL & ILSLEY TRUST CO N.A.
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ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - - COLUMN 2 - - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCR					
						SHR (B)	OTHR (C)	OTHR MGRS			
KERR MCGEE CORP	COM	492386107	215	2,820	SH			X	1	6	
KEYCORP NEW	COM	493267108	3,809	114,911	SH	X				1	
KEYCORP NEW	COM	493267108	61	1,841	SH			X		1	6
KEYSPAN CORP	COM	49337W100	1,772	43,544	SH	X				1	
KEYSPAN CORP	COM	49337W100	64	1,577	SH			X		1	6
KIMBERLY CLARK CORP	COM	494368103	29,564	472,337	SH	X				1	
KIMBERLY CLARK CORP	COM	494368103	5,860	93,625	SH			X		1	6
KINDER MORGAN INC KANS	COM	49455P101	3,260	39,179	SH	X				1	
KINDER MORGAN INC KANS	COM	49455P101	30	358	SH			X		1	6
KINDER MORGAN MNGMNT	SHS	49455U100	5,581	121,318	SH	X				1	
KINDR MRGN ENRGY PRNTR	UT LTD PARTNER	494550106	795	15,604	SH	X				1	
KINDR MRGN ENRGY PRNTR	UT LTD PARTNER	494550106	317	6,226	SH			X		1	
KINETIC CONCEPTS INC	COM NEW	49460W208	1,827	30,453	SH	X				1	
KIRIN BREWERY LTD	SPONSORED ADR	497350306	232	23,927	SH			X		1	
KOHL'S CORP	COM	500255104	18,892	337,899	SH	X				1	
KOHL'S CORP	COM	500255104	3,097	55,392	SH			X		1	6
KROGER CO	COM	501044101	10,514	552,476	SH	X				1	
KROGER CO	COM	501044101	2	80	SH			X		1	
LHC GROUP INC	COM	50187A107	1,703	93,670	SH	X				1	
L-3 COMMUNICATNS HLDGS	COM	502424104	1,045	13,643	SH	X				1	
L-3 COMMUNICATNS HLDGS	COM	502424104	22	290	SH			X		1	
LAM RESEARCH CORP	COM	512807108	2,109	72,862	SH	X				1	
LAUDER ESTEE COS INC	CL A	518439104	4,950	126,496	SH	X				1	
LAUDER ESTEE COS INC	CL A	518439104	430	10,988	SH			X		1	
LAUREATE EDUCATION INC	COM	518613104	925	19,332	SH	X				1	

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LEE ENTERPRISES INC	COM	523768109	2,208	55,074	SH	X		1
LEGG MASON INC	COM	524901105	221	2,119	SH	X		1
LEGG MASON INC	COM	524901105	132	1,267	SH		X	1
LEHMAN BROS HLDGS INC	COM	524908100	1,504	15,149	SH	X		1
LEHMAN BROS HLDGS INC	COM	524908100	34	343	SH		X	1
LEXMARK INTL NEW	CL A	529771107	6,163	95,061	SH	X		1
LEXMARK INTL NEW	CL A	529771107	829	12,784	SH		X	1 6
LIBERTY MEDIA CORP NEW	COM SER A	530718105	52	5,077	SH	X		1
LIBERTY MEDIA CORP NEW	COM SER A	530718105	398	39,054	SH		X	1
LIFECCELL CORP	COM	531927101	822	51,961	SH	X		1
LIFE TIME FITNESS INC	COM	53217R207	2,560	78,019	SH	X		1
LILLY ELI & CO	COM	532457108	9,874	177,245	SH	X		1
LILLY ELI & CO	COM	532457108	1,879	33,724	SH		X	1
LIMITED BRANDS INC	COM	532716107	1,233	57,564	SH	X		1
LIMITED BRANDS INC	COM	532716107	6	294	SH		X	1
LINCOLN NATL CORP IND	COM	534187109	4,469	95,249	SH	X		1
LINCOLN NATL CORP IND	COM	534187109	527	11,232	SH		X	1 6
LINEAR TECHNOLOGY CORP	COM	535678106	366	9,968	SH	X		1
LINEAR TECHNOLOGY CORP	COM	535678106	11	308	SH		X	1
LIZ CLAIBORNE INC	COM	539320101	11,938	300,245	SH	X		1
LIZ CLAIBORNE INC	COM	539320101	318	8,002	SH		X	1
LOCKHEED MARTIN CORP	COM	539830109	742	11,439	SH	X		1
LOCKHEED MARTIN CORP	COM	539830109	345	5,321	SH		X	1
LONGVIEW FIBRE CO	COM	543213102	555	27,002	SH	X		1
LONGVIEW FIBRE CO	COM	543213102	4	179	SH		X	1
LOUISIANA PAC CORP	COM	546347105	273	11,096	SH	X		1
LOUISIANA PAC CORP	COM	546347105	9	357	SH		X	1
LOWES COS INC	COM	548661107	12,374	212,541	SH	X		1
LOWES COS INC	COM	548661107	1,194	20,503	SH		X	1 6
LUCENT TECHNOLOGIES	COM	549463107	103	35,261	SH	X		1
LUCENT TECHNOLOGIES	COM	549463107	150	51,532	SH		X	1
LYONDELL CHEMICAL CO	COM	552078107	3,226	122,122	SH	X		1
LYONDELL CHEMICAL CO	COM	552078107	4	140	SH		X	1
MAF BANCORP INC	COM	55261R108	155	3,642	SH	X		1
MAF BANCORP INC	COM	55261R108	101	2,370	SH		X	1
MBIA INC	COM	55262C100	284	4,784	SH	X		1
MBIA INC	COM	55262C100	302	5,086	SH		X	1
MBNA CORP	COM	55262L100	1,857	70,990	SH	X		1
MBNA CORP	COM	55262L100	782	29,884	SH		X	1
M D C HLDGS INC	COM	552676108	996	12,107	SH	X		1
M D C HLDGS INC	COM	552676108	15	180	SH		X	1
MDU RES GROUP INC	COM	552690109	3,139	111,441	SH	X		1
MDU RES GROUP INC	COM	552690109	211	7,478	SH		X	1
MGE ENERGY INC	COM	55277P104	2,466	67,786	SH	X		1
MGE ENERGY INC	COM	55277P104	192	5,271	SH		X	1
MGIC INVT CORP WIS	COM	552848103	12,233	187,558	SH	X		1
MGIC INVT CORP WIS	COM	552848103	627	9,621	SH		X	1
MGI PHARMA INC	COM	552880106	867	39,842	SH	X		1
MADISON CLAYMORE CVRD	COM	556582104	202	13,000	SH	X		1
MANITOWOC INC	COM	563571108	1,267	30,881	SH	X		1
MANPOWER INC	COM	56418H100	14,451	363,281	SH	X		1
MANPOWER INC	COM	56418H100	312	7,847	SH		X	1 6
MARATHON OIL CORP	COM	565849106	4,811	90,146	SH	X		1
MARATHON OIL CORP	COM	565849106	225	4,212	SH		X	1 6
MARCUS CORP	COM	566330106	10	486	SH	X		1
MARCUS CORP	COM	566330106	432	20,340	SH		X	1
MARSHALL & ILSLEY CORP	COM	571834100	187,424	4,216,517	SH	X		1
MARSHALL & ILSLEY CORP	COM	571834100	74,055	1,666,018	SH		X	1 6
MARRIOTT INTL INC NEW	CL A	571903202	1,879	27,548	SH	X		1
MARRIOTT INTL INC NEW	CL A	571903202	71	1,048	SH		X	1
MASCO CORP	COM	574599106	1,016	31,985	SH	X		1
MASCO CORP	COM	574599106	5	170	SH		X	1

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MATRIA HEALTHCARE INC	COM NEW	576817209	2,180	67,628 SH	X		1
MATSUSHITA ELEC INDL	ADR	576879209	2	148 SH	X		1
MATSUSHITA ELEC INDL	ADR	576879209	243	15,990 SH		X	1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCR			
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS
MATTEL INC	COM	577081102	10,721	585,852 SH	X			1
MAXIM INTEGRATED PRODS	COM	57772K101	215	5,632 SH	X			1
MAXIM INTEGRATED PRODS	COM	57772K101	15	403 SH			X	1
MCAFFEE INC	COM	579064106	1,989	75,985 SH	X			1
MCCORMICK & CO INC	COM NON VTG	579780206	324	9,913 SH	X			1
MCCORMICK & CO INC	COM NON VTG	579780206	9	275 SH			X	1
MCDONALDS CORP	COM	580135101	3,259	117,432 SH	X			1
MCDONALDS CORP	COM	580135101	1,584	57,064 SH			X	1
MCGRAW HILL COS INC	COM	580645109	4,266	96,404 SH	X			1
MCGRAW HILL COS INC	COM	580645109	367	8,290 SH			X	1
MEADWESTVACO CORP	COM	583334107	985	35,116 SH	X			1
MEADWESTVACO CORP	COM	583334107	558	19,907 SH			X	1
MEDCO HEALTH SOLUTIONS	COM	58405U102	1,984	37,175 SH	X			1
MEDCO HEALTH SOLUTIONS	COM	58405U102	201	3,773 SH			X	1
MEDIMMUNE INC	COM	584699102	4,251	159,096 SH	X			1
MEDIMMUNE INC	COM	584699102	463	17,318 SH			X	1
MEDTRONIC INC	COM	585055106	12,478	240,943 SH	X			1
MEDTRONIC INC	COM	585055106	1,249	24,123 SH			X	1 6
MELLON FINL CORP	COM	58551A108	183	6,395 SH	X			1
MELLON FINL CORP	COM	58551A108	35	1,212 SH			X	1
MERCANTILE BANKSHARES	COM	587405101	36	708 SH	X			1
MERCANTILE BANKSHARES	COM	587405101	515	10,000 SH			X	1
MERCK & CO INC	COM	589331107	27,849	904,194 SH	X			1
MERCK & CO INC	COM	589331107	3,459	112,299 SH			X	1 6
MEREDITH CORP	COM	589433101	353	7,189 SH	X			1
MEREDITH CORP	COM	589433101	16	317 SH			X	1
MERRILL LYNCH & CO INC	COM	590188108	6,015	109,348 SH	X			1
MERRILL LYNCH & CO INC	COM	590188108	94	1,704 SH			X	1
METLIFE INC	COM	59156R108	7,767	172,825 SH	X			1
METLIFE INC	COM	59156R108	78	1,732 SH			X	1
MICHAELS STORES INC	COM	594087108	2,613	63,154 SH	X			1
MICHAELS STORES INC	COM	594087108	9	215 SH			X	1
MICROSOFT CORP	COM	594918104	36,614	1,473,997 SH	X			1
MICROSOFT CORP	COM	594918104	6,344	255,413 SH			X	1 6
MICROSEMI CORP	COM	595137100	2,348	124,877 SH	X			1
MIDCAP SPDR TR	UNIT SER 1	595635103	7,207	57,543 SH	X			1
MIDCAP SPDR TR	UNIT SER 1	595635103	721	5,757 SH			X	1
MIKOHN GAMING CORP	COM	59862K108	1,532	104,044 SH	X			1
MODINE MFG CO	COM	607828100	23,743	729,195 SH	X			1
MODINE MFG CO	COM	607828100	620	19,050 SH			X	1
MOLSON COORS BREWING	CL B	60871R209	12,670	204,360 SH	X			1
MOLSON COORS BREWING	CL B	60871R209	435	7,022 SH			X	1 6

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MONSANTO CO NEW	COM	61166W101	2,895	46,047	SH	X		1
MONSANTO CO NEW	COM	61166W101	62	985	SH		X	1
MOODYS CORP	COM	615369105	792	17,623	SH	X		1
MOODYS CORP	COM	615369105	146	3,237	SH		X	1
MORGAN STANLEY	COM NEW	617446448	11,424	217,718	SH	X		1
MORGAN STANLEY	COM NEW	617446448	1,687	32,157	SH		X	1
MOTIVE INC	COM	61980V107	2,841	286,120	SH	X		1
MOTOROLA INC	COM	620076109	3,343	183,096	SH	X		1
MOTOROLA INC	COM	620076109	390	21,366	SH		X	1
MURPHY OIL CORP	COM	626717102	3,989	76,380	SH	X		1
MURPHY OIL CORP	COM	626717102	84	1,600	SH		X	1
NCR CORP NEW	COM	62886E108	188	5,349	SH	X		1
NCR CORP NEW	COM	62886E108	23	664	SH		X	1
NII HLDGS INC	CL B NEW	62913F201	2,596	40,601	SH	X		1
NII HLDGS INC	CL B NEW	62913F201	11	165	SH		X	1
NVR INC	COM	62944T105	1,051	1,298	SH	X		1
NASDAQ 100 TR	UNIT SER 1	631100104	1,051	28,573	SH	X		1
NASDAQ 100 TR	UNIT SER 1	631100104	124	3,380	SH		X	1
NATIONAL CITY CORP	COM	635405103	9,690	283,987	SH	X		1
NATIONAL CITY CORP	COM	635405103	89	2,623	SH		X	1
NATIONAL SEMICONDUCTOR	COM	637640103	6,646	301,669	SH	X		1
NATIONAL SEMICONDUCTOR	COM	637640103	346	15,708	SH		X	1
NATUS MEDICAL INC DEL	COM	639050103	1,346	119,650	SH	X		1
NETWORK APPLIANCE INC	COM	64120L104	1,599	56,576	SH	X		1
NETWORK APPLIANCE INC	COM	64120L104	10	364	SH		X	1
NEW YORK CMNTY BANCORP	COM	649445103	2,566	141,636	SH	X		1
NEWELL RUBBERMAID INC	COM	651229106	312	13,077	SH	X		1
NEWMONT MINING CORP	COM	651639106	362	9,282	SH	X		1
NEWMONT MINING CORP	COM	651639106	77	1,965	SH		X	1
NEWS CORP	CL A	65248E104	827	51,108	SH	X		1
NEWS CORP	CL A	65248E104	19	1,169	SH		X	1
NEXTEL COMMUNICATIONS	CL A	65332V103	1,207	37,362	SH	X		1
NEXTEL COMMUNICATIONS	CL A	65332V103	65	2,003	SH		X	1
NICHOLAS-APPLEGATE CV	COM	65370F101	308	20,000	SH	X		1
NIKE INC	CL B	654106103	5,985	69,107	SH	X		1
NIKE INC	CL B	654106103	261	3,015	SH		X	1
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	2	110	SH	X		1
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	241	11,242	SH		X	1
NISOURCE INC	COM	65473P105	244	9,857	SH	X		1
NISOURCE INC	COM	65473P105	29	1,172	SH		X	1
NOKIA CORP	SPONSORED ADR	654902204	610	36,671	SH	X		1
NOKIA CORP	SPONSORED ADR	654902204	415	24,945	SH		X	1
NOBLE ENERGY INC	COM	655044105	12,091	159,823	SH	X		1
NOBLE ENERGY INC	COM	655044105	108	1,425	SH		X	1
NORDSTROM INC	COM	655664100	4,844	71,274	SH	X		1
NORDSTROM INC	COM	655664100	33	484	SH		X	1
NORFOLK SOUTHERN CORP	COM	655844108	1,439	46,475	SH	X		1
NORFOLK SOUTHERN CORP	COM	655844108	27	875	SH		X	1

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2005

- - - - COLUMN 1 - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - COLUMN 5 COLUMN 6 - COLUMN 7 - - -

TITLE OF	MARKET VALUE	SHRS OR SH/PUT/SOLE	INVESTMENT DISCR		
			SHR	OTHR	OTHR

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NAME OF ISSUER	CLASS	CUSIP	(X\$1000)	PRN AMT	PRN CALL(A)	(B)	(C)	MGRS
NORTH FORK BANCORP	COM	659424105	2,120	75,468	SH	X		1
NORTH FORK BANCORP	COM	659424105	555	19,748	SH		X	1 6
NORTHERN TR CORP	COM	665859104	6,405	140,484	SH	X		1
NORTHERN TR CORP	COM	665859104	646	14,172	SH		X	1 6
NORTHROP GRUMMAN CORP	COM	666807102	17,414	315,181	SH	X		1
NORTHROP GRUMMAN CORP	COM	666807102	450	8,147	SH		X	1
NOVATEL WIRELESS INC	COM NEW	66987M604	1,103	88,470	SH	X		1
NUCOR CORP	COM	670346105	7,877	172,658	SH	X		1
NUCOR CORP	COM	670346105	14	310	SH		X	1
NUVEEN INSD QUALITY MUN	COM	67062N103	163	10,203	SH	X		1
NVIDIA CORP	COM	67066G104	2,952	110,475	SH	X		1
NVIDIA CORP	COM	67066G104	11	395	SH		X	1
NUVASIVE INC	COM	670704105	1,643	98,873	SH	X		1
OCCIDENTAL PETE CORP	COM	674599105	2,421	31,476	SH	X		1
OCCIDENTAL PETE CORP	COM	674599105	400	5,195	SH		X	1
OLD NATL BANCORP IND	COM	680033107	206	9,607	SH	X		1
OLD REP INTL CORP	COM	680223104	96	3,815	SH	X		1
OLD REP INTL CORP	COM	680223104	7,669	303,252	SH		X	1
OMNICARE INC	COM	681904108	13,219	311,537	SH	X		1
OMNICOM GROUP INC	COM	681919106	309	3,864	SH	X		1
OMNICOM GROUP INC	COM	681919106	9	112	SH		X	1
ONLINE RES CORP	COM	68273G101	1,353	119,633	SH	X		1
ORACLE CORP	COM	68389X105	3,725	282,227	SH	X		1
ORACLE CORP	COM	68389X105	216	16,359	SH		X	1
ORASURE TECHNOLOGIES	COM	68554V108	2,025	202,905	SH	X		1
OSHKOSH TRUCK CORP	COM	688239201	1,868	23,858	SH	X		1
OSHKOSH TRUCK CORP	COM	688239201	2,139	27,330	SH		X	1
OUTBACK STEAKHOUSE INC	COM	689899102	328	7,244	SH	X		1
OUTBACK STEAKHOUSE INC	COM	689899102	52	1,150	SH		X	1
PG&E CORP	COM	69331C108	410	10,918	SH	X		1
PG&E CORP	COM	69331C108	47	1,261	SH		X	1
PICO HLDGS INC	COM NEW	693366205	1,548	52,022	SH	X		1
PNC FINL SVCS GROUP INC	COM	693475105	9,343	171,551	SH	X		1
PNC FINL SVCS GROUP INC	COM	693475105	73	1,340	SH		X	1 6
PPG INDS INC	COM	693506107	2,543	40,522	SH	X		1
PPG INDS INC	COM	693506107	256	4,079	SH		X	1
PPL CORP	COM	69351T106	1,689	28,451	SH	X		1
PPL CORP	COM	69351T106	70	1,185	SH		X	1 6
PACCAR INC	COM	693718108	261	3,840	SH	X		1
PACCAR INC	COM	693718108	6	81	SH		X	1
PACKAGING CORP AMER	COM	695156109	8,865	421,152	SH	X		1
PARAMETRIC TECHNOLOGY	COM	699173100	115	17,984	SH	X		1
PARAMETRIC TECHNOLOGY	COM	699173100	3	485	SH		X	1
PARKER HANNIFIN CORP	COM	701094104	21,058	339,598	SH	X		1
PARKER HANNIFIN CORP	COM	701094104	665	10,727	SH		X	1 6
PATTERSON COMPANIES INC	COM	703395103	425	9,419	SH	X		1
PATTERSON COMPANIES INC	COM	703395103	7	160	SH		X	1
PATTERSON UTI ENERGY	COM	703481101	3,993	143,476	SH	X		1
PAYCHEX INC	COM	704326107	455	13,990	SH	X		1
PAYCHEX INC	COM	704326107	7	230	SH		X	1
PENNEY J C INC	COM	708160106	8,793	167,234	SH	X		1
PENNEY J C INC	COM	708160106	845	16,063	SH		X	1 6
PENTAIR INC	COM	709631105	2,657	62,066	SH	X		1
PENTAIR INC	COM	709631105	73	1,712	SH		X	1
PEOPLES ENERGY CORP	COM	711030106	1,293	29,758	SH	X		1
PEOPLES ENERGY CORP	COM	711030106	27	626	SH		X	1 6
PEOPLESUPPORT INC	COM	712714302	1,090	119,534	SH	X		1
PEPSICO INC	COM	713448108	18,075	335,162	SH	X		1
PEPSICO INC	COM	713448108	3,450	63,965	SH		X	1 6

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PERKINELMER INC COM 714046109 1,489 78,779 SH X