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Number of Other Included Managers: 3
 Form 13F Information Table Entry Total: 1,294
 Form 13F Information Table Value Total: \$ 3,851,143
 (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 03/31/2005

- - - - 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
ACE LTD	ORD	G0070K103	9,112	220,802 SH	X			1
ACE LTD	ORD	G0070K103	10	238 SH			X	1
AMDOCS LTD	ORD	G02602103	3,172	111,701 SH	X			1
COOPER INDS LTD	CL A	G24182100	1,184	16,553 SH	X			1
COOPER INDS LTD	CL A	G24182100	14	189 SH			X	1
INGERSOLL-RAND COMPANY	CL A	G4776G101	4,705	59,069 SH	X			1
INGERSOLL-RAND COMPANY	CL A	G4776G101	67	838 SH			X	1
NABORS INDUSTRIES LTD	SHS	G6359F103	1,302	22,015 SH	X			1
NABORS INDUSTRIES LTD	SHS	G6359F103	13	223 SH			X	1
NOBLE CORPORATION	SHS	G65422100	10,058	178,936 SH	X			1
NOBLE CORPORATION	SHS	G65422100	9	161 SH			X	1
ORIENT-EXPRESS HOTELS	CL A	G67743107	331	12,700 SH	X			1
PARTNERRE LTD	COM	G6852T105	11,584	179,312 SH	X			1

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PARTNERRE LTD	COM	G6852T105	6	100	SH		X	1
RENAISSANCERE HOLDINGS	COM	G7496G103	4,618	98,876	SH	X		1
TRANSOCEAN INC	ORD	G90078109	1,331	25,870	SH	X		1
TRANSOCEAN INC	ORD	G90078109	223	4,338	SH		X	1
XL CAP LTD	CL A	G98255105	847	11,700	SH	X		1
UBS AG	NAMEN AKT	H8920M855	183	2,170	SH	X		1
UBS AG	NAMEN AKT	H8920M855	295	3,500	SH		X	1
AUDIOCODES LTD	ORD	M15342104	1,928	171,185	SH	X		1
LIPMAN ELECTRNC ENGRNG	ORD	M6772H101	1,493	51,875	SH	X		1
FLEXTRONICS INTL LTD	ORD	Y2573F102	209	17,328	SH	X		1
FLEXTRONICS INTL LTD	ORD	Y2573F102	9	740	SH		X	1
AAR CORP	COM	000361105	217	15,962	SH	X		1
ABBOTT LABS	COM	002824100	20,627	442,451	SH	X		1
ABBOTT LABS	COM	002824100	3,864	82,889	SH		X	1 6
ABERDEEN ASIA PFC INC	COM	003009107	78	13,017	SH	X		1
ACACIA RESH CORP	ACACIA TCH COM	003881307	1,348	238,578	SH	X		1
ACTIVISION INC NEW	COM NEW	004930202	3,593	242,798	SH	X		1
ADESA INC	COM	00686U104	9,693	414,959	SH	X		1
ADESA INC	COM	00686U104	34	1,460	SH		X	1
ADOBE SYS INC	COM	00724F101	625	9,311	SH	X		1
ADOBE SYS INC	COM	00724F101	105	1,562	SH		X	1
ADVANCE AUTO PARTS INC	COM	00751Y106	2,049	40,609	SH	X		1
ADVANCED MICRO DEVICES	COM	007903107	2,670	165,639	SH	X		1
ADVANCED MICRO DEVICES	COM	007903107	1	43	SH		X	1
AEGON N V	ORD AMER REG	007924103	35	2,569	SH	X		1
AEGON N V	ORD AMER REG	007924103	116	8,626	SH		X	1
AES CORP	COM	00130H105	597	36,440	SH	X		1
AES CORP	COM	00130H105	24	1,463	SH		X	1
AETNA INC NEW	COM	00817Y108	4,651	62,061	SH	X		1
AETNA INC NEW	COM	00817Y108	702	9,361	SH		X	1
AFFILIATED CMPTR SRVCS	CL A	008190100	290	5,449	SH	X		1
AFFILIATED CMPTR SRVCS	CL A	008190100	12	232	SH		X	1
AFFILIATED MGRS GROUP	COM	008252108	2,837	45,737	SH	X		1
AFFILIATED MGRS GROUP	COM	008252108	3	42	SH		X	1
AFLAC INC	COM	001055102	405	10,860	SH	X		1
AFLAC INC	COM	001055102	96	2,586	SH		X	1
AIR PRODS & CHEMS INC	COM	009158106	708	11,179	SH	X		1
AIR PRODS & CHEMS INC	COM	009158106	1,220	19,276	SH		X	1
ALBERTO CULVER CO	COM	013068101	248	5,183	SH	X		1
ALBERTO CULVER CO	COM	013068101	8	163	SH		X	1
ALBERTSONS INC	COM	013104104	681	32,965	SH	X		1
ALBERTSONS INC	COM	013104104	95	4,580	SH		X	1 6
ALCAN INC	COM	013716105	1,035	27,300	SH	X		1
ALCOA INC	COM	013817101	16,502	543,018	SH	X		1
ALCOA INC	COM	013817101	1,936	63,701	SH		X	1 6
ALLEGHENY ENERGY INC	COM	017361106	1,338	64,786	SH	X		1
ALLEGHENY ENERGY INC	COM	017361106	6	290	SH		X	1
ALLIANT ENERGY CORP	COM	018802108	2,120	79,153	SH	X		1
ALLIANT ENERGY CORP	COM	018802108	206	7,680	SH		X	1
ALLSTATE CORP	COM	020002101	3,092	57,190	SH	X		1
ALLSTATE CORP	COM	020002101	726	13,433	SH		X	1
ALLTEL CORP	COM	020039103	10,845	197,724	SH	X		1
ALLTEL CORP	COM	020039103	48	879	SH		X	1
ALTRIA GROUP INC	COM	02209S103	38,676	591,470	SH	X		1
ALTRIA GROUP INC	COM	02209S103	12,440	190,236	SH		X	1
AMBAC FINL GROUP INC	COM	023139108	272	3,635	SH	X		1
AMBAC FINL GROUP INC	COM	023139108	13	169	SH		X	1
AMCORE FINL INC	COM	023912108	230	8,142	SH	X		1
AMCORE FINL INC	COM	023912108	432	15,297	SH		X	1
AMDL INC	COM PAR \$0.001	00167K401	8	10,000	SH	X		1
AMEDISYS INC	COM	023436108	2,986	98,703	SH	X		1
AMEREN CORP	COM	023608102	285	5,813	SH	X		1

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AMEREN CORP	COM	023608102	10	200	SH			X	1
AMERICAN EAGLE OUTFTRS	COM	02553E106	1,099	37,192	SH	X			1
AMERICAN EAGLE OUTFTRS	COM	02553E106	14	490	SH			X	1
AMERICAN ELEC PWR INC	COM	025537101	3,141	92,219	SH	X			1
AMERICAN ELEC PWR INC	COM	025537101	138	4,054	SH			X	1 6
AMERICAN EXPRESS CO	COM	025816109	6,970	135,687	SH	X			1
AMERICAN EXPRESS CO	COM	025816109	1,504	29,282	SH			X	1 6
AMERICAN INTL GROUP	COM	026874107	22,917	413,589	SH	X			1
AMERICAN INTL GROUP	COM	026874107	2,786	50,286	SH			X	1 6
AMERICAN PWR CNVRSN	COM	029066107	254	9,697	SH	X			1
AMERICAN PWR CNVRSN	COM	029066107	11	435	SH			X	1
AMERICAN SELECT PRTFLO	COM	029570108	126	10,651	SH	X			1
AMERICAN STD COS INC	COM	029712106	499	10,728	SH	X			1
AMERICAN STD COS INC	COM	029712106	21	448	SH			X	1
AMERISOURCEBERGEN CORP	COM	03073E105	15,815	276,057	SH	X			1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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	
AMERISOURCEBERGEN CORP	COM	03073E105	2	31	SH			X	1
AMERUS GROUP CO	COM	03072M108	211	4,468	SH	X			1
AMERUS GROUP CO	COM	03072M108	5	107	SH			X	1
AMES NATL CORP	COM	031001100	1,950	20,745	SH	X			1
AMGEN INC	COM	031162100	16,854	289,533	SH	X			1
AMGEN INC	COM	031162100	2,762	47,447	SH			X	1 6
AMSOUTH BANCORPORATION	COM	032165102	2,438	93,966	SH	X			1
AMSOUTH BANCORPORATION	COM	032165102	27	1,028	SH			X	1 6
AMYLIN PHARMACEUTICALS	COM	032346108	3,408	194,852	SH	X			1
ANADARKO PETE CORP	COM	032511107	8,780	115,368	SH	X			1
ANADARKO PETE CORP	COM	032511107	1,217	15,995	SH			X	1 6
ANALOG DEVICES INC	COM	032654105	6,347	175,631	SH	X			1
ANALOG DEVICES INC	COM	032654105	422	11,665	SH			X	1 6
ANCHOR BANCORP WIS INC	COM	032839102	3,022	107,521	SH	X			1
ANCHOR BANCORP WIS INC	COM	032839102	770	27,380	SH			X	1
ANDREW CORP	COM	034425108	110	9,406	SH	X			1
ANDREW CORP	COM	034425108	7	602	SH			X	1
ANHEUSER BUSCH COS INC	COM	035229103	3,358	70,856	SH	X			1
ANHEUSER BUSCH COS INC	COM	035229103	2,036	42,968	SH			X	1
APACHE CORP	COM	037411105	930	15,195	SH	X			1
APACHE CORP	COM	037411105	197	3,212	SH			X	1
APARTMENT INVT & MGMT	CL A	03748R101	1,063	28,567	SH	X			1
APARTMENT INVT & MGMT	CL A	03748R101	22	580	SH			X	1 6
APOLLO GROUP INC	CL A	037604105	556	7,501	SH	X			1
APOLLO GROUP INC	CL A	037604105	14	195	SH			X	1
APPLE COMPUTER INC	COM	037833100	12,704	304,876	SH	X			1
APPLE COMPUTER INC	COM	037833100	75	1,794	SH			X	1
APPLIED MATLS INC	COM	038222105	6,365	391,667	SH	X			1
APPLIED MATLS INC	COM	038222105	649	39,959	SH			X	1 6
APRIA HEALTHCARE GROUP	INCCOM	037933108	11,518	358,829	SH	X			1

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ARCH COAL INC	COM	039380100	8,516	198,004	SH	X		1
ARCHER DANIELS MIDLAND	COM	039483102	5,800	235,983	SH	X		1
ARCHER DANIELS MIDLAND	COM	039483102	91	3,686	SH		X	1
ARM HLDGS PLC	SPONSORED ADR	042068106	121	20,200	SH	X		1
ARVINMERITOR INC	COM	043353101	442	28,547	SH	X		1
ARVINMERITOR INC	COM	043353101	1	49	SH		X	1
ASHLAND INC	COM	044204105	1,866	27,651	SH	X		1
ASHLAND INC	COM	044204105	2	37	SH		X	1
ASK JEEVES INC	COM	045174109	6,913	246,200	SH	X		1
ASSOCIATED BANC CORP	COM	045487105	7,662	245,333	SH	X		1
ASSOCIATED BANC CORP	COM	045487105	3,421	109,529	SH		X	1
AT&T CORP	COM NEW	001957505	1,740	92,777	SH	X		1
AT&T CORP	COM NEW	001957505	87	4,641	SH		X	1 6
ATI TECHNOLOGIES INC	COM	001941103	465	26,907	SH	X		1
AUTODESK INC	COM	052769106	7,371	247,684	SH	X		1
AUTODESK INC	COM	052769106	32	1,080	SH		X	1
AUTOLIV INC	COM	052800109	1,941	40,739	SH	X		1
AUTOLIV INC	COM	052800109	37	773	SH		X	1
AUTOMATIC DATA PRCSNG	COM	053015103	761	16,925	SH	X		1
AUTOMATIC DATA PRCSNG	COM	053015103	520	11,564	SH		X	1
AUTOZONE INC	COM	053332102	340	3,970	SH	X		1
AUTOZONE INC	COM	053332102	27	316	SH		X	1
AVAYA INC	COM	053499109	383	32,804	SH	X		1
AVAYA INC	COM	053499109	15	1,257	SH		X	1
AVERY DENNISON CORP	COM	053611109	103	1,668	SH	X		1
AVERY DENNISON CORP	COM	053611109	149	2,400	SH		X	1
AVID TECHNOLOGY INC	COM	05367P100	3,114	57,535	SH	X		1
AVID TECHNOLOGY INC	COM	05367P100	11	203	SH		X	1
AVON PRODS INC	COM	054303102	310	7,225	SH	X		1
AVON PRODS INC	COM	054303102	33	769	SH		X	1
BADGER METER INC	COM	056525108	16,759	632,410	SH	X		1
BADGER METER INC	COM	056525108	323	12,200	SH		X	1
BANCO SANTANDER CENT H	ADR	05964H105	140	11,550	SH	X		1
BANK MUTUAL CORP NEW	COM	063750103	253	21,398	SH	X		1
BANK MUTUAL CORP NEW	COM	063750103	209	17,668	SH		X	1
BANK NEW YORK INC	COM	064057102	1,088	37,447	SH	X		1
BANK NEW YORK INC	COM	064057102	446	15,370	SH		X	1
BANK OF AMERICA CORP	COM	060505104	35,185	797,844	SH	X		1
BANK OF AMERICA CORP	COM	060505104	3,186	72,236	SH		X	1 6
BANTA CORP	COM	066821109	211	4,921	SH	X		1
BANTA CORP	COM	066821109	43	1,000	SH		X	1
BARD C R INC	COM	067383109	690	10,140	SH	X		1
BARD C R INC	COM	067383109	1,502	22,065	SH		X	1
BARR PHARMACEUTICALS	COM	068306109	5,708	116,892	SH	X		1
BARRICK GOLD CORP	COM	067901108	1	53	SH	X		1
BARRICK GOLD CORP	COM	067901108	383	15,991	SH		X	1
BAUSCH & LOMB INC	COM	071707103	11,001	150,084	SH	X		1
BAUSCH & LOMB INC	COM	071707103	11	145	SH		X	1
BAXTER INTL INC	COM	071813109	6,800	200,125	SH	X		1
BAXTER INTL INC	COM	071813109	497	14,630	SH		X	1
BB&T CORP	COM	054937107	14,761	377,717	SH	X		1
BB&T CORP	COM	054937107	67	1,710	SH		X	1 6
BEAR STEARNS COS INC	COM	073902108	330	3,307	SH	X		1
BEAR STEARNS COS INC	COM	073902108	12	120	SH		X	1
BECTON DICKINSON & CO	COM	075887109	385	6,598	SH	X		1
BECTON DICKINSON & CO	COM	075887109	73	1,247	SH		X	1
BED BATH & BEYOND INC	COM	075896100	350	9,592	SH	X		1
BED BATH & BEYOND INC	COM	075896100	251	6,869	SH		X	1
BELLSOUTH CORP	COM	079860102	13,491	513,179	SH	X		1
BELLSOUTH CORP	COM	079860102	1,733	65,922	SH		X	1 6

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MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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
BEMIS INC	COM	081437105	246	7,908	SH	X		1
BEMIS INC	COM	081437105	6	200	SH		X	1
BERKLEY W R CORP	COM	084423102	897	18,086	SH	X		1
BERKLEY W R CORP	COM	084423102	4	80	SH		X	1
BERKSHIRE HATHAWAY INC	CL A	084670108	1,131	13	SH	X		1
BERKSHIRE HATHAWAY INC	CL A	084670108	1,218	14	SH		X	1
BERKSHIRE HATHAWAY INC	CL B	084670207	2,716	951	SH	X		1
BERKSHIRE HATHAWAY INC	CL B	084670207	1,088	381	SH		X	1
BEST BUY INC	COM	086516101	8,004	148,192	SH	X		1
BEST BUY INC	COM	086516101	1,284	23,779	SH		X	1
BIG LOTS INC	COM	089302103	168	14,000	SH	X		1
BIOGEN IDEC INC	COM	09062X103	87	2,529	SH	X		1
BIOGEN IDEC INC	COM	09062X103	211	6,109	SH		X	1
BIOMET INC	COM	090613100	745	20,511	SH	X		1
BIOMET INC	COM	090613100	92	2,524	SH		X	1
BISYS GROUP INC	COM	055472104	11,501	733,497	SH	X		1
BLACK & DECKER CORP	COM	091797100	512	6,482	SH	X		1
BLACK & DECKER CORP	COM	091797100	19	244	SH		X	1
BLACKROCK FL INSD MUN	COM	09247H106	185	11,954	SH	X		1
BLOCK H & R INC	COM	093671105	416	8,233	SH	X		1
BLOCK H & R INC	COM	093671105	79	1,560	SH		X	1
BMC SOFTWARE INC	COM	055921100	6,434	428,914	SH	X		1
BMC SOFTWARE INC	COM	055921100	29	1,965	SH		X	1
BOEING CO	COM	097023105	9,038	154,595	SH	X		1
BOEING CO	COM	097023105	704	12,047	SH		X	1 6
BOSTON SCIENTIFIC CORP	COM	101137107	879	30,000	SH	X		1
BOSTON SCIENTIFIC CORP	COM	101137107	37	1,273	SH		X	1
BOWATER INC	COM	102183100	8,536	226,587	SH	X		1
BP PLC	SPONSORED ADR	055622104	11,441	183,345	SH	X		1
BP PLC	SPONSORED ADR	055622104	5,903	94,595	SH		X	1 6
BRADY CORP	CL A	104674106	102	3,164	SH	X		1
BRADY CORP	CL A	104674106	1,676	51,800	SH		X	1
BRIGGS & STRATTON CORP	COM	109043109	211	5,786	SH	X		1
BRIGGS & STRATTON CORP	COM	109043109	248	6,800	SH		X	1
BRISTOL MYERS SQUIBB	COM	110122108	15,738	618,158	SH	X		1
BRISTOL MYERS SQUIBB	COM	110122108	1,773	69,649	SH		X	1
BRUNSWICK CORP	COM	117043109	7,990	170,541	SH	X		1
BRUNSWICK CORP	COM	117043109	9	192	SH		X	1
BURLINGTN NRTN SNTA FE	COM	12189T104	3,289	60,983	SH	X		1
BURLINGTN NRTN SNTA FE	COM	12189T104	632	11,710	SH		X	1
BURLINGTON RES INC	COM	122014103	12,291	245,479	SH	X		1
BURLINGTON RES INC	COM	122014103	501	9,999	SH		X	1
CSX CORP	COM	126408103	7,443	178,692	SH	X		1
CSX CORP	COM	126408103	32	763	SH		X	1
CV THERAPEUTICS INC	COM	126667104	1,900	93,317	SH	X		1
CVS CORP	COM	126650100	9,498	180,494	SH	X		1
CVS CORP	COM	126650100	154	2,928	SH		X	1

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CAMECO CORP	COM	13321L108	252	5,700	SH	X			1
CAMECO CORP	COM	13321L108	41	925	SH			X	1
CAMPBELL SOUP CO	COM	134429109	414	14,255	SH	X			1
CAMPBELL SOUP CO	COM	134429109	30	1,048	SH			X	1
CANADIAN SPRR ENRGY	COM	136644101	1,163	664,835	SH	X			1
CAPITAL ONE FINL CORP	COM	14040H105	1,108	14,819	SH	X			1
CAPITAL ONE FINL CORP	COM	14040H105	12	161	SH			X	1
CAPITALSOURCE INC	COM	14055X102	4,949	215,179	SH	X			1
CARDINAL HEALTH INC	COM	14149Y108	2,228	39,926	SH	X			1
CARDINAL HEALTH INC	COM	14149Y108	383	6,859	SH			X	1
CAREMARK RX INC	COM	141705103	4,401	110,643	SH	X			1
CAREMARK RX INC	COM	141705103	93	2,342	SH			X	1
CARLISLE COS INC	COM	142339100	1,336	19,150	SH	X			1
CARMAX INC	COM	143130102	873	27,729	SH	X			1
CARNIVAL CORP	PAIRED CTF	143658300	1,458	28,145	SH	X			1
CARNIVAL CORP	PAIRED CTF	143658300	406	7,833	SH			X	1
CATERPILLAR INC DEL	COM	149123101	11,415	124,834	SH	X			1
CATERPILLAR INC DEL	COM	149123101	2,444	26,724	SH			X	1 6
CB RICHARD ELLIS GROUP	CL A	12497T101	2,721	77,766	SH	X			1
CENDANT CORP	COM	151313103	870	42,365	SH	X			1
CENDANT CORP	COM	151313103	14	700	SH			X	1
CENTENE CORP DEL	COM	15135B101	6,194	206,519	SH	X			1
CENTENE CORP DEL	COM	15135B101	4	117	SH			X	1
CENTERPOINT ENERGY INC	COM	15189T107	233	19,380	SH	X			1
CENTERPOINT ENERGY INC	COM	15189T107	7	619	SH			X	1
CENTEX CORP	COM	152312104	318	5,550	SH	X			1
CENTEX CORP	COM	152312104	8	137	SH			X	1
CENTURY ALUM CO	COM	156431108	257	8,477	SH	X			1
CENTURY CASINOS INC	COM	156492100	2,539	279,960	SH	X			1
CEPHALON INC	COM	156708109	922	19,680	SH	X			1
CHECKPOINT SYS INC	COM	162825103	272	16,108	SH	X			1
CHEMICAL FINL CORP	COM	163731102	262	8,065	SH	X			1
CHEMICAL FINL CORP	COM	163731102	202	6,205	SH			X	1
CHESAPEAKE ENERGY CORP	COM	165167107	4,789	218,269	SH	X			1
CHESAPEAKE ENERGY CORP	COM	165167107	100	4,575	SH			X	1
CHEVRONTEXACO CORP	COM	166764100	52,255	896,161	SH	X			1
CHEVRONTEXACO CORP	COM	166764100	5,385	92,344	SH			X	1 6
CHICOS FAS INC	COM	168615102	1,078	38,129	SH	X			1
CHICOS FAS INC	COM	168615102	3	90	SH			X	1
CHILDRENS PL STORES	COM	168905107	6,871	143,905	SH	X			1
CHUBB CORP	COM	171232101	13,440	169,542	SH	X			1
CHUBB CORP	COM	171232101	672	8,478	SH			X	1 6
CIGNA CORP	COM	125509109	1,190	13,327	SH	X			1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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	
CIGNA CORP	COM	125509109	0	5	SH			X	1
CINCINNATI FINL CORP	COM	172062101	209	4,787	SH	X			1

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CINCINNATI FINL CORP	COM	172062101	12	278	SH		X	1
CINERGY CORP	COM	172474108	10,002	246,846	SH	X		1
CINERGY CORP	COM	172474108	74	1,825	SH		X	1 6
CINTAS CORP	COM	172908105	320	7,738	SH	X		1
CINTAS CORP	COM	172908105	129	3,132	SH		X	1
CISCO SYS INC	COM	17275R102	11,858	662,816	SH	X		1
CISCO SYS INC	COM	17275R102	1,689	94,419	SH		X	1 6
CITIGROUP INC	COM	172967101	68,006	1,513,260	SH	X		1
CITIGROUP INC	COM	172967101	4,517	100,502	SH		X	1 6
CITIZENS BKG CORP MICH	COM	174420109	141	4,791	SH	X		1
CITIZENS BKG CORP MICH	COM	174420109	137	4,662	SH		X	1
CITIZENS COMMUNICATNS	COM	17453B101	14,341	1,108,248	SH	X		1
CITIZENS COMMUNICATNS	COM	17453B101	29	2,269	SH		X	1 6
CITRIX SYS INC	COM	177376100	492	20,663	SH	X		1
CITRIX SYS INC	COM	177376100	10	399	SH		X	1
CLARCOR INC	COM	179895107	27	523	SH	X		1
CLARCOR INC	COM	179895107	364	7,000	SH		X	1
CLEAR CHANNEL CMMNCTNS	COM	184502102	525	15,222	SH	X		1
CLEAR CHANNEL CMMNCTNS	COM	184502102	49	1,428	SH		X	1
CLOROX CO DEL	COM	189054109	778	12,353	SH	X		1
CLOROX CO DEL	COM	189054109	112	1,780	SH		X	1
COACH INC	COM	189754104	314	5,542	SH	X		1
COACH INC	COM	189754104	11	196	SH		X	1
COCA COLA CO	COM	191216100	14,572	349,700	SH	X		1
COCA COLA CO	COM	191216100	4,094	98,241	SH		X	1 6
COCA COLA ENTERPRISES	COM	191219104	8,247	401,900	SH	X		1
COCA COLA ENTERPRISES	COM	191219104	1	70	SH		X	1
COGNIZANT TCHNLGY SOL	CL A	192446102	3,807	82,393	SH	X		1
COGNIZANT TCHNLGY SOL	CL A	192446102	14	295	SH		X	1
COGNOS INC	COM	19244C109	3,603	86,301	SH	X		1
COLGATE PALMOLIVE CO	COM	194162103	8,849	169,622	SH	X		1
COLGATE PALMOLIVE CO	COM	194162103	1,904	36,498	SH		X	1 6
COMCAST CORP NEW	CL A	20030N101	11,387	337,095	SH	X		1
COMCAST CORP NEW	CL A	20030N101	284	8,421	SH		X	1 6
COMCAST CORP NEW	CL A SPL	20030N200	62	1,849	SH	X		1
COMCAST CORP NEW	CL A SPL	20030N200	332	9,920	SH		X	1
COMERICA INC	COM	200340107	2,691	48,865	SH	X		1
COMERICA INC	COM	200340107	168	3,050	SH		X	1 6
COMMERCE BANCSHARES	COM	200525103	314	6,519	SH	X		1
COMMERCE BANCSHARES	COM	200525103	26	532	SH		X	1
COMMERCE GROUP INC	COM	200641108	229	3,690	SH		X	1
COMMERCIAL METALS CO	COM	201723103	257	7,590	SH	X		1
COMPUTER ASSOC INTL	COM	204912109	122	4,502	SH	X		1
COMPUTER ASSOC INTL	COM	204912109	121	4,457	SH		X	1
COMPUTER SCIENCES CORP	COM	205363104	10,100	220,287	SH	X		1
COMPUTER SCIENCES CORP	COM	205363104	9	194	SH		X	1
COMVERSE TECHNOLOGY	COM PAR \$0.10	205862402	4,135	163,948	SH	X		1
COMVERSE TECHNOLOGY	COM PAR \$0.10	205862402	101	4,000	SH		X	1
CONAGRA FOODS INC	COM	205887102	4,541	168,063	SH	X		1
CONAGRA FOODS INC	COM	205887102	85	3,163	SH		X	1 6
CONOCOPHILLIPS	COM	20825C104	22,251	206,331	SH	X		1
CONOCOPHILLIPS	COM	20825C104	363	3,363	SH		X	1
CONSOLIDATED EDISON	COM	209115104	1,520	36,031	SH	X		1
CONSOLIDATED EDISON	COM	209115104	95	2,246	SH		X	1 6
CONSTELLATION ENERGY	COM	210371100	11,452	221,504	SH	X		1
CONSTELLATION ENERGY	COM	210371100	14	271	SH		X	1
CONTANGO OIL & GAS CO	COM NEW	21075N204	3,659	438,170	SH	X		1
CONVERGYS CORP	COM	212485106	7,280	487,602	SH	X		1
COOPER COS INC	COM NEW	216648402	3,377	46,326	SH	X		1
COOPER COS INC	COM NEW	216648402	6	80	SH		X	1
CORNING INC	COM	219350105	287	25,753	SH	X		1
CORNING INC	COM	219350105	11	1,025	SH		X	1

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COSTCO WHSL CORP NEW	COM	22160K105	519	11,758	SH	X		1
COSTCO WHSL CORP NEW	COM	22160K105	251	5,679	SH		X	1
COUNTRYWIDE FINANCIAL	COM	222372104	4,877	150,235	SH	X		1
COUNTRYWIDE FINANCIAL	COM	222372104	477	14,702	SH		X	1
CREE INC	COM	225447101	2,275	104,576	SH	X		1
CREE INC	COM	225447101	21	945	SH		X	1
CUMMINS INC	COM	231021106	2,822	40,111	SH	X		1
CUMMINS INC	COM	231021106	9	133	SH		X	1
CUTERA INC	COM	232109108	4,298	222,909	SH	X		1
CYTYC CORP	COM	232946103	2,718	118,102	SH	X		1
CYTYC CORP	COM	232946103	7	325	SH		X	1
DNP SELECT INCOME FD	COM	23325P104	1,354	126,250	SH	X		1
D R HORTON INC	COM	23331A109	4,596	157,199	SH	X		1
DTE ENERGY CO	COM	233331107	2,831	62,247	SH	X		1
DTE ENERGY CO	COM	233331107	54	1,193	SH		X	1 6
DANA CORP	COM	235811106	1,851	144,711	SH	X		1
DANA CORP	COM	235811106	17	1,305	SH		X	1 6
DANAHER CORP DEL	COM	235851102	352	6,593	SH	X		1
DANAHER CORP DEL	COM	235851102	13	246	SH		X	1
DEAN FOODS CO NEW	COM	242370104	233	6,793	SH	X		1
DEAN FOODS CO NEW	COM	242370104	3	80	SH		X	1
DEERE & CO	COM	244199105	356	5,307	SH	X		1
DEERE & CO	COM	244199105	226	3,362	SH		X	1
DELL INC	COM	24702R101	14,175	368,951	SH	X		1
DELL INC	COM	24702R101	2,315	60,260	SH		X	1 6
DELUXE CORP	COM	248019101	1,696	42,560	SH	X		1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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
DENBURY RES INC	COM NEW	247916208	3,936	111,715	SH	X		1
DEVON ENERGY CORP NEW	COM	25179M103	1,448	30,315	SH	X		1
DEVON ENERGY CORP NEW	COM	25179M103	82	1,722	SH		X	1
DIAMONDCLUSTER INTL	COM	25278P106	2,755	171,137	SH	X		1
DIEBOLD INC	COM	253651103	35	634	SH	X		1
DIEBOLD INC	COM	253651103	340	6,200	SH		X	1
DISNEY WALT CO	COM DISNEY	254687106	13,799	480,291	SH	X		1
DISNEY WALT CO	COM DISNEY	254687106	1,575	54,835	SH		X	1
DOLLAR GEN CORP	COM	256669102	1,178	53,774	SH	X		1
DOLLAR GEN CORP	COM	256669102	25	1,163	SH		X	1
DOMINION RES INC VA	COM	25746U109	5,177	69,551	SH	X		1
DOMINION RES INC VA	COM	25746U109	120	1,614	SH		X	1 6
DONNELLEY R R & SONS	COM	257867101	20,476	647,569	SH	X		1
DONNELLEY R R & SONS	COM	257867101	65	2,051	SH		X	1 6
DOW CHEM CO	COM	260543103	19,174	384,633	SH	X		1
DOW CHEM CO	COM	260543103	1,017	20,404	SH		X	1 6
DOW JONES & CO INC	COM	260561105	700	18,725	SH	X		1
DOW JONES & CO INC	COM	260561105	2	65	SH		X	1
DU PONT E I DE NEMOURS	COM	263534109	15,665	305,725	SH	X		1

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DU PONT E I DE NEMOURS	COM	263534109	1,599	31,214	SH		X	1	6
DUKE ENERGY CORP	COM	264399106	8,158	291,266	SH	X			1
DUKE ENERGY CORP	COM	264399106	204	7,295	SH			X	1
DUN & BRADSTREET CORP	COM	26483E100	232	3,776	SH	X			1
DYNEGY INC NEW	CL A	26816Q101	806	206,175	SH	X			1
DYNEGY INC NEW	CL A	26816Q101	1	341	SH			X	1
E-LOAN INC	COM	26861P107	1,718	648,377	SH	X			1
E M C CORP MASS	COM	268648102	669	54,320	SH	X			1
E M C CORP MASS	COM	268648102	22	1,798	SH			X	1
EAST WEST BANCORP INC	COM	27579R104	976	26,437	SH	X			1
EASTMAN CHEM CO	COM	277432100	1,151	19,513	SH	X			1
EASTMAN CHEM CO	COM	277432100	35	597	SH			X	1
EASTMAN KODAK CO	COM	277461109	7,398	227,280	SH	X			1
EASTMAN KODAK CO	COM	277461109	23	712	SH			X	1
EATON CORP	COM	278058102	793	12,126	SH	X			1
EATON CORP	COM	278058102	400	6,120	SH			X	1
EBAY INC	COM	278642103	2,068	55,492	SH	X			1
EBAY INC	COM	278642103	223	5,995	SH			X	1
ECOLAB INC	COM	278865100	834	25,249	SH	X			1
ECOLAB INC	COM	278865100	347	10,509	SH			X	1
EDISON INTL	COM	281020107	1,954	56,268	SH	X			1
EDISON INTL	COM	281020107	52	1,495	SH			X	1
EDWARDS LIFESCIENCES	COM	28176E108	882	20,401	SH	X			1
EDWARDS LIFESCIENCES	COM	28176E108	21	490	SH			X	1
ELECTRONIC ARTS INC	COM	285512109	1,083	20,917	SH	X			1
ELECTRONIC ARTS INC	COM	285512109	40	769	SH			X	1
EMAGEON INC	COM	29076V109	3,539	197,054	SH	X			1
EMBARCADERO TECHNOLOGS	COM	290787100	1,300	197,205	SH	X			1
EMERSON ELEC CO	COM	291011104	9,488	146,123	SH	X			1
EMERSON ELEC CO	COM	291011104	2,832	43,621	SH			X	1
ENBRIDGE ENERGY PRTRNS	COM	29250R106	254	5,100	SH	X			1
ENBRIDGE ENERGY PRTRNS	COM	29250R106	5	100	SH			X	1
ENERGIZER HLDGS INC	COM	29266R108	131	2,192	SH	X			1
ENERGIZER HLDGS INC	COM	29266R108	84	1,408	SH			X	1
ENGINEERED SUPPORT SYS	INCCOM	292866100	189	3,537	SH	X			1
ENGINEERED SUPPORT SYS	INCCOM	292866100	50	931	SH			X	1
ENSCO INTL INC	COM	26874Q100	17,581	466,826	SH	X			1
ENSCO INTL INC	COM	26874Q100	826	21,944	SH			X	1
ENTERGY CORP NEW	COM	29364G103	2,074	29,353	SH	X			1
ENTERGY CORP NEW	COM	29364G103	43	609	SH			X	1
ENTRUST INC	COM	293848107	739	197,112	SH	X			1
EOG RES INC	COM	26875P101	1,398	28,683	SH	X			1
EOG RES INC	COM	26875P101	53	1,088	SH			X	1
EQUIFAX INC	COM	294429105	397	12,948	SH	X			1
EQUIFAX INC	COM	294429105	14	463	SH			X	1
EQUITY INCOME FUND	UT 1 EX SR-ATT	294700703	217	2,729	SH	X			1
EQUITY OFFICE PRPRTS	COM	294741103	2,946	97,764	SH	X			1
EQUITY OFFICE PRPRTS	COM	294741103	67	2,227	SH			X	1
EQUITY RESIDENTIAL	SH BEN INT	29476L107	2,984	92,640	SH	X			1
EQUITY RESIDENTIAL	SH BEN INT	29476L107	27	831	SH			X	1
ERICSSON L M TEL CO	ADR B SEK 10	294821608	5,023	178,131	SH	X			1
ERICSSON L M TEL CO	ADR B SEK 10	294821608	377	13,358	SH			X	1
EXELON CORP	COM	30161N101	4,574	99,663	SH	X			1
EXELON CORP	COM	30161N101	162	3,524	SH			X	1
EXPLORATION CO	COM NEW	302133202	3,575	622,445	SH	X			1
EXXON MOBIL CORP	COM	30231G102	93,165	1,563,170	SH	X			1
EXXON MOBIL CORP	COM	30231G102	22,137	371,420	SH			X	1
FAMILY DLR STORES INC	COM	307000109	438	14,424	SH	X			1
FAMILY DLR STORES INC	COM	307000109	3	97	SH			X	1
FASTENAL CO	COM	311900104	945	17,086	SH	X			1
FASTENAL CO	COM	311900104	55	1,000	SH			X	1
FEDERAL HOME LN MTG	COM	313400301	12,862	203,509	SH	X			1

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FEDERAL HOME LN MTG	COM	313400301	1,505	23,807	SH		X	1	6
FEDERAL NATL MTG ASSN	COM	313586109	12,846	235,919	SH	X			1
FEDERAL NATL MTG ASSN	COM	313586109	1,029	18,897	SH			X	1
FEDERATED DEPT STORES	COM	31410H101	1,224	19,231	SH	X			1
FEDERATED DEPT STORES	COM	31410H101	69	1,085	SH			X	1
FEDEX CORP	COM	31428X106	12,098	128,771	SH	X			1
FEDEX CORP	COM	31428X106	1,530	16,282	SH			X	1
FIFTH THIRD BANCORP	COM	316773100	1,922	44,707	SH	X			1
FIFTH THIRD BANCORP	COM	316773100	635	14,775	SH			X	1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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	
FIRST DATA CORP	COM	319963104	927	23,586	SH	X			1
FIRST DATA CORP	COM	319963104	357	9,071	SH			X	1
FIRST HORIZON NATL	COM	320517105	1,381	33,862	SH	X			1
FIRST HORIZON NATL	COM	320517105	124	3,035	SH			X	1
1ST SOURCE CORP	COM	336901103	1,048	49,140	SH			X	1
FIRSTENERGY CORP	COM	337932107	4,156	99,060	SH	X			1
FIRSTENERGY CORP	COM	337932107	45	1,081	SH			X	1
FISERV INC	COM	337738108	2,003	50,334	SH	X			1
FISERV INC	COM	337738108	561	14,102	SH			X	1
FISHER SCIENTIFIC INTL	COM NEW	338032204	3,529	62,008	SH	X			1
FISHER SCIENTIFIC INTL	COM NEW	338032204	10	169	SH			X	1
FLIR SYS INC	COM	302445101	5,604	184,952	SH	X			1
FLIR SYS INC	COM	302445101	5	165	SH			X	1
FORD MTR CO DEL	COM PAR \$0.01	345370860	876	77,325	SH	X			1
FORD MTR CO DEL	COM PAR \$0.01	345370860	394	34,750	SH			X	1
FOREST LABS INC	COM	345838106	217	5,883	SH	X			1
FOREST LABS INC	COM	345838106	405	10,957	SH			X	1
FORTUNE BRANDS INC	COM	349631101	4,058	50,329	SH	X			1
FORTUNE BRANDS INC	COM	349631101	576	7,144	SH			X	1
FPL GROUP INC	COM	302571104	3,144	78,314	SH	X			1
FPL GROUP INC	COM	302571104	574	14,288	SH			X	1
FRANKLIN RES INC	COM	354613101	261	3,802	SH	X			1
FRANKLIN RES INC	COM	354613101	32	468	SH			X	1
FREEMONT-MCMORAN COPPR	CL B	35671D857	235	5,941	SH	X			1
FREEMONT-MCMORAN COPPR	CL B	35671D857	22	549	SH			X	1
FREESCALE SEMICONDUCTR	CL B	35687M206	266	15,400	SH	X			1
FREESCALE SEMICONDUCTR	CL B	35687M206	26	1,501	SH			X	1
FREMONT GEN CORP	COM	357288109	885	40,240	SH	X			1
FURNITURE BRANDS INTL	COM	360921100	10,642	487,934	SH	X			1
GALLAHER GROUP PLC	SPONSORED ADR	363595109	366	6,422	SH	X			1
GALLAHER GROUP PLC	SPONSORED ADR	363595109	160	2,800	SH			X	1
GANNETT INC	COM	364730101	8,663	109,545	SH	X			1
GANNETT INC	COM	364730101	971	12,277	SH			X	1
GAP INC DEL	COM	364760108	291	13,304	SH	X			1
GAP INC DEL	COM	364760108	618	28,291	SH			X	1
GASCO ENERGY INC	COM	367220100	3,028	999,496	SH	X			1

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GATEWAY INC	COM	367626108	926	229,900	SH	X		1
GAYLORD ENTMT CO NEW	COM	367905106	40	1,000	SH	X		1
GAYLORD ENTMT CO NEW	COM	367905106	202	5,000	SH		X	1
GEHL CO	COM	368483103	704	26,000	SH		X	1
GENENTECH INC	COM NEW	368710406	2,152	38,013	SH	X		1
GENENTECH INC	COM NEW	368710406	512	9,048	SH		X	1
GENERAL COMMUNICATION	CL A	369385109	207	22,719	SH	X		1
GENERAL DYNAMICS CORP	COM	369550108	3,180	29,702	SH	X		1
GENERAL DYNAMICS CORP	COM	369550108	14	132	SH		X	1
GENERAL ELEC CO	COM	369604103	103,861	2,880,237	SH	X		1
GENERAL ELEC CO	COM	369604103	18,055	500,686	SH		X	1 6
GENERAL MLS INC	COM	370334104	2,281	46,399	SH	X		1
GENERAL MLS INC	COM	370334104	1,069	21,753	SH		X	1
GENERAL MTRS CORP	COM	370442105	3,106	105,673	SH	X		1
GENERAL MTRS CORP	COM	370442105	468	15,926	SH		X	1 6
GENUINE PARTS CO	COM	372460105	5,574	128,161	SH	X		1
GENUINE PARTS CO	COM	372460105	136	3,121	SH		X	1 6
GENZYME CORP	COM	372917104	210	3,668	SH	X		1
GENZYME CORP	COM	372917104	15	257	SH		X	1
GEORGIA PAC CORP	COM	373298108	347	9,766	SH	X		1
GEORGIA PAC CORP	COM	373298108	399	11,246	SH		X	1
GERDAU S A	SPONSORED ADR	373737105	198	12,000	SH	X		1
GERDAU S A	SPONSORED ADR	373737105	26	1,560	SH		X	1
GILEAD SCIENCES INC	COM	375558103	1,272	35,527	SH	X		1
GILEAD SCIENCES INC	COM	375558103	14	391	SH		X	1
GILLETTE CO	COM	375766102	14,029	277,914	SH	X		1
GILLETTE CO	COM	375766102	2,317	45,907	SH		X	1 6
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	891	19,407	SH	X		1
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	854	18,598	SH		X	1
GLENAYRE TECHNOLOGIES	COM	377899109	18	10,000	SH	X		1
GLOBAL PMTS INC	COM	37940X102	1,529	23,703	SH	X		1
GLOBAL PMTS INC	COM	37940X102	5	74	SH		X	1
GOLDEN WEST FINL CORP	COM	381317106	403	6,666	SH	X		1
GOLDEN WEST FINL CORP	COM	381317106	63	1,044	SH		X	1
GOLDMAN SACHS GROUP	COM	38141G104	16,635	151,241	SH	X		1
GOLDMAN SACHS GROUP	COM	38141G104	1,591	14,462	SH		X	1 6
GRAINGER W W INC	COM	384802104	8,918	143,223	SH	X		1
GRAINGER W W INC	COM	384802104	81	1,295	SH		X	1
GREAT PLAINS ENERGY	COM	391164100	2,981	97,478	SH	X		1
GREAT PLAINS ENERGY	COM	391164100	12	400	SH		X	1
GREAT WOLF RESORTS INC	COM	391523107	2,078	83,286	SH	X		1
GREATER BAY BANCORP	COM	391648102	13	514	SH	X		1
GREATER BAY BANCORP	COM	391648102	244	10,000	SH		X	1
GREENHILL & CO INC	COM	395259104	743	20,756	SH	X		1
GTECH HLDGS CORP	COM	400518106	3,149	133,815	SH	X		1
GTECH HLDGS CORP	COM	400518106	162	6,868	SH		X	1
GUIDANT CORP	COM	401698105	1,608	21,762	SH	X		1
GUIDANT CORP	COM	401698105	306	4,147	SH		X	1
HAEMONETICS CORP	COM	405024100	2,371	56,239	SH	X		1
HALLIBURTON CO	COM	406216101	1,303	30,122	SH	X		1
HALLIBURTON CO	COM	406216101	197	4,563	SH		X	1
HARLEY DAVIDSON INC	COM	412822108	13,629	235,967	SH	X		1
HARLEY DAVIDSON INC	COM	412822108	2,197	38,038	SH		X	1 6
HARMAN INTL INDS INC	COM	413086109	937	10,597	SH	X		1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

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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	
HARMAN INTL INDS INC	COM	413086109	6	65	SH			X	1
HARRIS CORP DEL	COM	413875105	5,152	157,804	SH	X			1
HARRIS CORP DEL	COM	413875105	8	250	SH			X	1
HARTFORD FINL SVCS GRP	COM	416515104	2,829	41,264	SH	X			1
HARTFORD FINL SVCS GRP	COM	416515104	224	3,270	SH			X	1
HARVEST NATURAL RSRCS	COM	41754V103	1,973	165,914	SH	X			1
HAWAIIAN ELEC INDSTRS	COM	419870100	286	11,217	SH	X			1
HCA INC	COM	404119109	4,813	89,837	SH	X			1
HCA INC	COM	404119109	156	2,915	SH			X	1
HEALTH MGMT ASSOC INC	CL A	421933102	200	7,652	SH	X			1
HEALTH MGMT ASSOC INC	CL A	421933102	214	8,189	SH			X	1
HEALTH EXTRAS INC	COM	422211102	210	12,600	SH	X			1
HEARTLAND FINL USA INC	COM	42234Q102	238	11,979	SH	X			1
HEINZ H J CO	COM	423074103	4,843	131,464	SH	X			1
HEINZ H J CO	COM	423074103	525	14,261	SH			X	1 6
HERSHEY FOODS CORP	COM	427866108	865	14,301	SH	X			1
HERSHEY FOODS CORP	COM	427866108	224	3,701	SH			X	1
HEWLETT PACKARD CO	COM	428236103	3,556	162,060	SH	X			1
HEWLETT PACKARD CO	COM	428236103	822	37,471	SH			X	1
HIBERNIA CORP	CL A	428656102	247	7,709	SH	X			1
HILB ROGAL & HOBBS CO	COM	431294107	236	6,590	SH	X			1
HILTON HOTELS CORP	COM	432848109	2,555	114,318	SH	X			1
HILTON HOTELS CORP	COM	432848109	22	976	SH			X	1
HOME DEPOT INC	COM	437076102	7,754	202,779	SH	X			1
HOME DEPOT INC	COM	437076102	1,161	30,368	SH			X	1
HONEYWELL INTL INC	COM	438516106	1,122	30,164	SH	X			1
HONEYWELL INTL INC	COM	438516106	442	11,879	SH			X	1
HOSPIRA INC	COM	441060100	544	16,845	SH	X			1
HOSPIRA INC	COM	441060100	38	1,182	SH			X	1
HOUSTON EXPL CO	COM	442120101	400	7,020	SH	X			1
HOUSTON EXPL CO	COM	442120101	9	155	SH			X	1
HSBC HLDGS PLC	SPON ADR NEW	404280406	584	7,353	SH	X			1
HSBC HLDGS PLC	SPON ADR NEW	404280406	607	7,641	SH			X	1
HUBBELL INC	CL B	443510201	6,617	129,490	SH	X			1
HUDSON HIGHLAND GROUP	COM	443792106	2,478	144,974	SH	X			1
HUDSON UNITED BANCORP	COM	444165104	272	7,716	SH	X			1
HUMANA INC	COM	444859102	284	8,893	SH	X			1
HUMANA INC	COM	444859102	22	676	SH			X	1
HUNTINGTON BANCSHARES	COM	446150104	314	13,120	SH	X			1
HUNTINGTON BANCSHARES	COM	446150104	11	443	SH			X	1
HUNTSMAN CORP	COM	447011107	2,604	111,676	SH	X			1
HURCO COMPANIES INC	COM	447324104	142	10,168	SH	X			1
HUTCHINSON TECHNOLOGY	COM	448407106	18	514	SH	X			1
HUTCHINSON TECHNOLOGY	COM	448407106	226	6,500	SH			X	1
HYPERION SOLUTIONS	COM	44914M104	2,534	57,458	SH	X			1
IDENTIX INC	COM	451906101	2,094	414,677	SH	X			1
I-FLOW CORP	COM NEW	449520303	2,051	129,571	SH	X			1
IKON OFFICE SOLUTIONS	COM	451713101	650	65,747	SH	X			1
ILLINOIS TOOL WKS INC	COM	452308109	3,898	43,541	SH	X			1
ILLINOIS TOOL WKS INC	COM	452308109	2,527	28,229	SH			X	1
IMATION CORP	COM	45245A107	10,841	311,977	SH	X			1
IMAX CORP	COM	45245E109	3,594	388,935	SH	X			1
IMMUCOR INC	COM	452526106	2,837	93,964	SH	X			1

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IMPCO TECHNOLOGIES INC	COM	45255W106	1,533	285,261	SH	X		1
IMS HEALTH INC	COM	449934108	367	15,039	SH	X		1
IMS HEALTH INC	COM	449934108	87	3,568	SH		X	1
INDUS INTL INC	COM	45578L100	195	80,000	SH	X		1
INFOSPACE INC	COM NEW	45678T201	4,811	117,839	SH	X		1
ING GROUP N V	SPONSORED ADR	456837103	140	4,629	SH	X		1
ING GROUP N V	SPONSORED ADR	456837103	421	13,911	SH		X	1
INTEL CORP	COM	458140100	22,142	953,167	SH	X		1
INTEL CORP	COM	458140100	4,937	212,522	SH		X	1 6
INTERPUBLIC GROUP COS	COM	460690100	7,444	606,168	SH	X		1
INTERPUBLIC GROUP COS	COM	460690100	12	1,000	SH		X	1
INTL PAPER CO	COM	460146103	909	24,707	SH	X		1
INTL PAPER CO	COM	460146103	201	5,462	SH		X	1
INTRNTNL BUSINESS MACH	COM	459200101	26,755	292,783	SH	X		1
INTRNTNL BUSINESS MACH	COM	459200101	8,185	89,575	SH		X	1 6
INTRNTNL GAME TECH	COM	459902102	548	20,543	SH	X		1
INTRNTNL GAME TECH	COM	459902102	10	371	SH		X	1
INTUIT	COM	461202103	24	549	SH	X		1
INTUIT	COM	461202103	247	5,640	SH		X	1
INVITROGEN CORP	COM	46185R100	2,814	40,661	SH	X		1
ISHARES INC	MSCI JAPAN	464286848	689	65,691	SH	X		1
ISHARES TR	DJ SEL DIV INX	464287168	305	5,090	SH	X		1
ISHARES TR	DJ SEL DIV INX	464287168	138	2,300	SH		X	1
ISHARES TR	US TIPS BD FD	464287176	390	3,702	SH	X		1
ISHARES TR	S&P 500 INDEX	464287200	15,058	127,805	SH	X		1
ISHARES TR	S&P 500 INDEX	464287200	560	4,754	SH		X	1
ISHARES TR	S&P500/BAR GRW	464287309	1,259	22,280	SH	X		1
ISHARES TR	S&P500/BAR GRW	464287309	10	170	SH		X	1
ISHARES TR	S&P500/BAR VAL	464287408	756	12,399	SH	X		1
ISHARES TR	S&P500/BAR VAL	464287408	124	2,027	SH		X	1
ISHARES TR	MSCI EAFE IDX	464287465	14,459	91,014	SH	X		1
ISHARES TR	MSCI EAFE IDX	464287465	1,945	12,244	SH		X	1
ISHARES TR	RUSSELL MCP VL	464287473	11,268	99,829	SH	X		1
ISHARES TR	RUSSELL MCP GR	464287481	276	3,330	SH	X		1
ISHARES TR	S&P MIDCAP 400	464287507	9,504	72,284	SH	X		1
ISHARES TR	S&P MIDCAP 400	464287507	450	3,422	SH		X	1
ISHARES TR	RUSSELL1000VAL	464287598	832	12,647	SH	X		1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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
ISHARES TR	S&P MIDCP GROW	464287606	580	4,330	SH	X		1
ISHARES TR	RUSSELL1000GRW	464287614	395	8,426	SH	X		1
ISHARES TR	RUSSELL 1000	464287622	446	7,031	SH	X		1
ISHARES TR	RUSSELL 1000	464287622	7	108	SH		X	1
ISHARES TR	RUSL 2000 VALU	464287630	322	1,745	SH	X		1
ISHARES TR	RUSL 2000 VALU	464287630	13	68	SH		X	1
ISHARES TR	RUSL 2000 GROW	464287648	540	8,630	SH	X		1
ISHARES TR	RUSSELL 2000	464287655	8,829	72,279	SH	X		1

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ISHARES TR	RUSSELL 2000	464287655	1,066	8,729	SH		X	1
ISHARES TR	S&P MIDCP VALU	464287705	3,578	28,123	SH	X		1
ISHARES TR	S&P MIDCP VALU	464287705	365	2,869	SH		X	1
ISHARES TR	DJ US TECH SEC	464287721	507	11,326	SH	X		1
ISHARES TR	DJ US REAL EST	464287739	224	2,000	SH		X	1
ISHARES TR	DJ US HEALTHCR	464287762	2,090	35,758	SH	X		1
ISHARES TR	DJ US HEALTHCR	464287762	65	1,104	SH		X	1
ISHARES TR	S&P SMLCAP 600	464287804	2,172	13,672	SH	X		1
ISHARES TR	S&P SMLCAP 600	464287804	139	875	SH		X	1
ISHARES TR	S&P EURO PLUS	464287861	178	2,359	SH	X		1
ISHARES TR	S&P EURO PLUS	464287861	39	519	SH		X	1
ISHARES TR	S&P SMLCP VALU	464287879	405	3,431	SH	X		1
ITT EDUCATIONAL SRVCS	COM	45068B109	250	5,158	SH	X		1
ITT INDS INC IND	COM	450911102	441	4,882	SH	X		1
ITT INDS INC IND	COM	450911102	45	501	SH		X	1
IXIA	COM	45071R109	1,920	108,634	SH	X		1
J2 GLOBAL COMMUNICATNS	COM NEW	45245E109	5,661	164,991	SH	X		1
JACOBS ENGR GROUP INC	COM	469814107	3,178	61,202	SH	X		1
JEFFERSON PILOT CORP	COM	475070108	6,091	124,188	SH	X		1
JEFFERSON PILOT CORP	COM	475070108	63	1,291	SH		X	1
JOHNSON & JOHNSON	COM	478160104	40,090	596,934	SH	X		1
JOHNSON & JOHNSON	COM	478160104	7,930	118,081	SH		X	1 6
JOHNSON CTLS INC	COM	478366107	8,726	156,487	SH	X		1
JOHNSON CTLS INC	COM	478366107	1,280	22,952	SH		X	1
JONES APPAREL GROUP	COM	480074103	11,165	333,376	SH	X		1
JONES APPAREL GROUP	COM	480074103	0	10	SH		X	1
JOS A BANK CLOTHIERS	COM	480838101	2,480	84,639	SH	X		1
JOS A BANK CLOTHIERS	COM	480838101	11	384	SH		X	1
JOY GLOBAL INC	COM	481165108	2,728	77,807	SH	X		1
JPMORGAN & CHASE & CO	COM	46625H100	33,878	979,138	SH	X		1
JPMORGAN & CHASE & CO	COM	46625H100	3,791	109,577	SH		X	1 6
KB HOME	COM	48666K109	351	2,985	SH	X		1
KB HOME	COM	48666K109	12	106	SH		X	1
KELLOGG CO	COM	487836108	1,510	34,908	SH	X		1
KELLOGG CO	COM	487836108	5,714	132,043	SH		X	1
KENNAMETAL INC	COM	489170100	5,544	116,735	SH	X		1
KENNAMETAL INC	COM	489170100	314	6,613	SH		X	1 6
KERR MCGEE CORP	COM	492386107	6,178	78,871	SH	X		1
KERR MCGEE CORP	COM	492386107	275	3,508	SH		X	1 6
KEYCORP NEW	COM	493267108	3,419	105,356	SH	X		1
KEYCORP NEW	COM	493267108	54	1,651	SH		X	1 6
KEYSPAN CORP	COM	49337W100	1,542	39,581	SH	X		1
KEYSPAN CORP	COM	49337W100	56	1,443	SH		X	1 6
KIMBERLY CLARK CORP	COM	494368103	31,280	475,889	SH	X		1
KIMBERLY CLARK CORP	COM	494368103	6,185	94,100	SH		X	1 6
KINDER MORGAN INC KANS	COM	49455P101	2,881	38,059	SH	X		1
KINDER MORGAN INC KANS	COM	49455P101	23	301	SH		X	1 6
KINDER MORGAN MANAGEMENT	LSHS	49455U100	2,728	67,215	SH	X		1
KINDR MRGN ENRGY PRNTR	UT LTD PARTNER	494550106	1,181	26,250	SH	X		1
KINDR MRGN ENRGY PRNTR	UT LTD PARTNER	494550106	204	4,526	SH		X	1
KINETIC CONCEPTS INC	COM NEW	49460W208	3,332	55,856	SH	X		1
KIRIN BREWERY LTD	SPONSORED ADR	497350306	174	17,733	SH		X	1
KLA-TENCOR CORP	COM	482480100	315	6,854	SH	X		1
KOHL'S CORP	COM	500255104	21,363	413,767	SH	X		1
KOHL'S CORP	COM	500255104	3,079	59,642	SH		X	1 6
KORN FERRY INTL	COM NEW	500643200	2,076	109,065	SH	X		1
KORN FERRY INTL	COM NEW	500643200	4	190	SH		X	1
KROGER CO	COM	501044101	8,167	509,489	SH	X		1
KROGER CO	COM	501044101	1	34	SH		X	1
KRONOS INC	COM	501052104	2,946	57,642	SH	X		1
KRONOS INC	COM	501052104	5	96	SH		X	1
KT CORP	SPONSORED ADR	48268K101	228	10,703	SH		X	1

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L-3 COMMUNICATNS HLDGS	COM	502424104	992	13,961	SH	X		1
L-3 COMMUNICATNS HLDGS	COM	502424104	22	305	SH		X	1
LAM RESEARCH CORP	COM	512807108	2,479	85,882	SH	X		1
LAUDER ESTEE COS INC	CL A	518439104	5,530	122,952	SH	X		1
LAUDER ESTEE COS INC	CL A	518439104	508	11,300	SH		X	1
LAUREATE EDUCATION INC	COM	518613104	953	22,262	SH	X		1
LEE ENTERPRISES INC	COM	523768109	21,145	487,215	SH	X		1
LEGG MASON INC	COM	524901105	151	1,934	SH	X		1
LEGG MASON INC	COM	524901105	99	1,267	SH		X	1
LEHMAN BROS HLDGS INC	COM	524908100	1,374	14,596	SH	X		1
LEHMAN BROS HLDGS INC	COM	524908100	34	358	SH		X	1
LEXMARK INTL NEW	CL A	529771107	7,508	93,880	SH	X		1
LEXMARK INTL NEW	CL A	529771107	1,030	12,879	SH		X	1 6
LIBERTY MEDIA CORP NEW	COM SER A	530718105	54	5,160	SH	X		1
LIBERTY MEDIA CORP NEW	COM SER A	530718105	352	33,921	SH		X	1
LIFE TIME FITNESS INC	COM	53217R207	2,098	77,766	SH	X		1
LILLY ELI & CO	COM	532457108	7,683	147,457	SH	X		1
LILLY ELI & CO	COM	532457108	1,794	34,442	SH		X	1
LIMITED BRANDS INC	COM	532716107	2,151	88,534	SH	X		1
LIMITED BRANDS INC	COM	532716107	10	406	SH		X	1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
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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			
						SHR (B)	OTHR (C)	OTHR MGRS	
LINCOLN NATL CORP IND	COM	534187109	7,945	175,997	SH	X		1	
LINCOLN NATL CORP IND	COM	534187109	503	11,138	SH			X	1 6
LINEAR TECHNOLOGY CORP	COM	535678106	331	8,650	SH	X		1	
LINEAR TECHNOLOGY CORP	COM	535678106	13	328	SH			X	1
LIZ CLAIBORNE INC	COM	539320101	10,092	251,479	SH	X		1	
LIZ CLAIBORNE INC	COM	539320101	258	6,427	SH			X	1
LOCKHEED MARTIN CORP	COM	539830109	629	10,302	SH	X		1	
LOCKHEED MARTIN CORP	COM	539830109	281	4,598	SH			X	1
LOEWS CORP	COM	540424108	173	2,352	SH	X		1	
LOEWS CORP	COM	540424108	40	543	SH			X	1
LONGVIEW FIBRE CO	COM	543213102	644	34,333	SH	X		1	
LOUISIANA PAC CORP	COM	546347105	1,080	42,970	SH	X		1	
LOUISIANA PAC CORP	COM	546347105	8	329	SH			X	1
LOWES COS INC	COM	548661107	11,968	209,640	SH	X		1	
LOWES COS INC	COM	548661107	1,164	20,384	SH			X	1 6
LUCENT TECHNOLOGIES	COM	549463107	133	48,434	SH	X		1	
LUCENT TECHNOLOGIES	COM	549463107	142	51,617	SH			X	1
LYONDELL CHEMICAL CO	COM	552078107	1,980	70,913	SH	X		1	
M D C HLDGS INC	COM	552676108	868	12,462	SH	X		1	
M D C HLDGS INC	COM	552676108	6	80	SH			X	1
MACROMEDIA INC	COM	556100105	6,035	180,159	SH	X		1	
MAF BANCORP INC	COM	55261R108	151	3,642	SH	X		1	
MAF BANCORP INC	COM	55261R108	98	2,370	SH			X	1
MANITOWOC INC	COM	563571108	1,251	30,966	SH	X		1	
MANPOWER INC	COM	56418H100	15,335	352,370	SH	X		1	

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MANPOWER INC	COM	56418H100	386	8,860	SH		X	1	6
MARATHON OIL CORP	COM	565849106	3,652	77,838	SH	X			1
MARATHON OIL CORP	COM	565849106	189	4,037	SH			X	1 6
MARCUS CORP	COM	566330106	10	506	SH	X			1
MARCUS CORP	COM	566330106	416	20,310	SH			X	1
MARRIOTT INTL INC NEW	CL A	571903202	2,465	36,864	SH	X			1
MARRIOTT INTL INC NEW	CL A	571903202	46	683	SH			X	1
MARSHALL & ILSLEY CORP	COM	571834100	185,209	4,436,140	SH	X			1
MARSHALL & ILSLEY CORP	COM	571834100	66,295	1,587,900	SH			X	1 6
MARTEN TRANS LTD	COM	573075108	1,216	56,993	SH	X			1
MASCO CORP	COM	574599106	1,016	29,303	SH	X			1
MASCO CORP	COM	574599106	44	1,267	SH			X	1
MATRIA HEALTHCARE INC	COM NEW	576817209	3,172	103,285	SH	X			1
MATSUSHITA ELEC INDL	ADR	576879209	0	23	SH	X			1
MATSUSHITA ELEC INDL	ADR	576879209	174	11,816	SH			X	1
MATTEL INC	COM	577081102	6,706	314,094	SH	X			1
MATTEL INC	COM	577081102	1	30	SH			X	1
MAXIM INTEGRATED PRODS	COM	57772K101	220	5,382	SH	X			1
MAXIM INTEGRATED PRODS	COM	57772K101	17	418	SH			X	1
MAYTAG CORP	COM	578592107	596	42,694	SH	X			1
MAYTAG CORP	COM	578592107	11	785	SH			X	1 6
MBIA INC	COM	55262C100	193	3,695	SH	X			1
MBIA INC	COM	55262C100	268	5,134	SH			X	1
MBNA CORP	COM	55262L100	1,681	68,475	SH	X			1
MBNA CORP	COM	55262L100	626	25,481	SH			X	1
MCAFEЕ INC	COM	579064106	2,678	118,699	SH	X			1
MCCORMICK & CO INC	COM NON VTG	579780206	283	8,218	SH	X			1
MCCORMICK & CO INC	COM NON VTG	579780206	20	594	SH			X	1
MCDONALDS CORP	COM	580135101	3,347	107,477	SH	X			1
MCDONALDS CORP	COM	580135101	1,766	56,705	SH			X	1
MCF CORP	COM	580395101	2,359	1,673,028	SH	X			1
MCGRAW HILL COS INC	COM	580645109	4,451	51,020	SH	X			1
MCGRAW HILL COS INC	COM	580645109	493	5,650	SH			X	1
MDU RES GROUP INC	COM	552690109	3,234	117,081	SH	X			1
MDU RES GROUP INC	COM	552690109	175	6,340	SH			X	1
MEADWESTVACO CORP	COM	583334107	1,116	35,079	SH	X			1
MEADWESTVACO CORP	COM	583334107	664	20,857	SH			X	1
MEDCO HEALTH SOLUTIONS	INCCOM	58405U102	858	17,312	SH	X			1
MEDCO HEALTH SOLUTIONS	INCCOM	58405U102	164	3,304	SH			X	1
MEDIMMUNE INC	COM	584699102	3,828	160,753	SH	X			1
MEDIMMUNE INC	COM	584699102	426	17,908	SH			X	1
MEDTRONIC INC	COM	585055106	8,054	158,071	SH	X			1
MEDTRONIC INC	COM	585055106	685	13,438	SH			X	1 6
MELLON FINL CORP	COM	58551A108	125	4,378	SH	X			1
MELLON FINL CORP	COM	58551A108	83	2,912	SH			X	1
MERCANTILE BANKSHARES	COM	587405101	16	323	SH	X			1
MERCANTILE BANKSHARES	COM	587405101	509	10,000	SH			X	1
MERCK & CO INC	COM	589331107	28,376	876,629	SH	X			1
MERCK & CO INC	COM	589331107	3,637	112,344	SH			X	1 6
MERCURY INTERACTIVE	COM	589405109	3,851	81,274	SH	X			1
MEREDITH CORP	COM	589433101	263	5,615	SH	X			1
MEREDITH CORP	COM	589433101	15	317	SH			X	1
MERRILL LYNCH & CO INC	COM	590188108	3,540	62,542	SH	X			1
MERRILL LYNCH & CO INC	COM	590188108	57	1,003	SH			X	1
METHANEX CORP	COM	59151K108	3,157	162,483	SH	X			1
METLIFE INC	COM	59156R108	2,681	68,570	SH	X			1
METLIFE INC	COM	59156R108	69	1,775	SH			X	1
METSO CORP	SPONSORED ADR	592671101	188	10,389	SH			X	1
MGE ENERGY INC	COM	55277P104	2,294	69,193	SH	X			1
MGE ENERGY INC	COM	55277P104	183	5,521	SH			X	1
MGI PHARMA INC	COM	552880106	853	33,737	SH	X			1
MGIC INVT CORP WIS	COM	552848103	10,436	169,230	SH	X			1

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MGIC INVT CORP WIS	COM	552848103	631	10,224	SH		X	1
MICHAELS STORES INC	COM	594087108	3,206	88,316	SH	X		1
MICROSOFT CORP	COM	594918104	34,218	1,415,717	SH	X		1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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
MICROSOFT CORP	COM	594918104	6,033	249,617	SH		X	1 6
MIDCAP SPDR TR	UNIT SER 1	595635103	6,787	56,368	SH	X		1
MIDCAP SPDR TR	UNIT SER 1	595635103	975	8,100	SH		X	1
MODINE MFG CO	COM	607828100	21,885	746,150	SH	X		1
MODINE MFG CO	COM	607828100	525	17,900	SH		X	1
MOHAWK INDS INC	COM	608190104	36	430	SH	X		1
MOHAWK INDS INC	COM	608190104	199	2,365	SH		X	1
MOLSON COORS BREWING	CL B	60871R209	6,836	88,584	SH	X		1
MOLSON COORS BREWING	CL B	60871R209	484	6,278	SH		X	1 6
MONSANTO CO NEW	COM	61166W101	3,570	55,350	SH	X		1
MONSANTO CO NEW	COM	61166W101	56	867	SH		X	1
MOODYS CORP	COM	615369105	661	8,174	SH	X		1
MOODYS CORP	COM	615369105	141	1,748	SH		X	1
MORGAN STANLEY	COM NEW	617446448	12,296	214,777	SH	X		1
MORGAN STANLEY	COM NEW	617446448	1,721	30,055	SH		X	1 6
MOTIVE INC	COM	61980V107	2,281	228,145	SH	X		1
MOTOROLA INC	COM	620076109	2,264	151,244	SH	X		1
MOTOROLA INC	COM	620076109	302	20,188	SH		X	1
MSC INDL DIRECT INC	CL A	553530106	4,074	133,316	SH	X		1
MURPHY OIL CORP	COM	626717102	3,747	37,954	SH	X		1
MURPHY OIL CORP	COM	626717102	80	810	SH		X	1 6
NASDAQ 100 TR	UNIT SER 1	631100104	1,173	32,073	SH	X		1
NASDAQ 100 TR	UNIT SER 1	631100104	124	3,380	SH		X	1
NATIONAL CITY CORP	COM	635405103	5,293	157,995	SH	X		1
NATIONAL CITY CORP	COM	635405103	79	2,353	SH		X	1 6
NATIONAL SEMICONDUCTOR	COM	637640103	5,897	286,112	SH	X		1
NATIONAL SEMICONDUCTOR	COM	637640103	328	15,933	SH		X	1
NAVIGANT CONSULTING	COM	63935N107	2,965	108,901	SH	X		1
NEENAH PAPER INC	COM	640079109	337	10,020	SH	X		1
NEENAH PAPER INC	COM	640079109	73	2,181	SH		X	1
NESS TECHNOLOGIES INC	COM	64104X108	2,237	186,700	SH	X		1
NETWORK APPLIANCE INC	COM	64120L104	257	9,301	SH	X		1
NETWORK APPLIANCE INC	COM	64120L104	10	364	SH		X	1
NEW FRONTIER MEDIA INC	COM	644398109	2,409	336,931	SH	X		1
NEW YORK CMNTY BANCORP	COM	649445103	2,570	141,526	SH	X		1
NEWELL RUBBERMAID INC	COM	651229106	293	13,342	SH	X		1
NEWELL RUBBERMAID INC	COM	651229106	22	1,000	SH		X	1
NEWMONT MINING CORP	COM	651639106	334	7,915	SH	X		1
NEWMONT MINING CORP	COM	651639106	87	2,055	SH		X	1
NEWS CORP	CL A	65248E104	759	44,854	SH	X		1
NEWS CORP	CL A	65248E104	30	1,772	SH		X	1
NEXTEL COMMUNICATIONS	CL A	65332V103	978	34,405	SH	X		1

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NEXTEL COMMUNICATIONS	CL A	65332V103	53	1,853	SH		X	1
NIKE INC	CL B	654106103	5,646	67,766	SH	X		1
NIKE INC	CL B	654106103	252	3,020	SH		X	1 6
NISOURCE INC	COM	65473P105	213	9,333	SH	X		1
NISOURCE INC	COM	65473P105	27	1,172	SH		X	1
NOBLE ENERGY INC	COM	655044105	10,871	159,816	SH	X		1
NOBLE ENERGY INC	COM	655044105	72	1,058	SH		X	1
NOKIA CORP	SPONSORED ADR	654902204	539	34,937	SH	X		1
NOKIA CORP	SPONSORED ADR	654902204	385	24,975	SH		X	1
NORDSTROM INC	COM	655664100	2,501	45,154	SH	X		1
NORDSTROM INC	COM	655664100	18	324	SH		X	1
NORFOLK SOUTHERN CORP	COM	655844108	3,410	92,034	SH	X		1
NORFOLK SOUTHERN CORP	COM	655844108	28	767	SH		X	1
NORTH FORK BANCORP	COM	659424105	1,825	65,786	SH	X		1
NORTH FORK BANCORP	COM	659424105	542	19,555	SH		X	1 6
NORTHERN TR CORP	COM	665859104	5,895	135,696	SH	X		1
NORTHERN TR CORP	COM	665859104	596	13,712	SH		X	1 6
NORTHROP GRUMMAN CORP	COM	666807102	14,737	273,017	SH	X		1
NORTHROP GRUMMAN CORP	COM	666807102	439	8,133	SH		X	1
NUCOR CORP	COM	670346105	9,842	170,985	SH	X		1
NUCOR CORP	COM	670346105	18	310	SH		X	1
NUVEEN FL INVT QLTY MUN	COM	670970102	269	18,550	SH	X		1
NUVEEN INSD QLTY MUN	COM	67062N103	151	10,203	SH	X		1
NVIDIA CORP	COM	67066G104	335	14,102	SH	X		1
NVIDIA CORP	COM	67066G104	11	470	SH		X	1
NVR INC	COM	62944T105	1,097	1,398	SH	X		1
OCCIDENTAL PETE CORP	COM	674599105	2,159	30,334	SH	X		1
OCCIDENTAL PETE CORP	COM	674599105	381	5,352	SH		X	1
OLD NATL BANCORP IND	COM	680033107	221	10,907	SH	X		1
OLD REP INTL CORP	COM	680223104	105	4,505	SH	X		1
OLD REP INTL CORP	COM	680223104	7,060	303,127	SH		X	1
OMNICARE INC	COM	681904108	9,157	258,295	SH	X		1
OMNICOM GROUP INC	COM	681919106	275	3,105	SH	X		1
OMNICOM GROUP INC	COM	681919106	8	89	SH		X	1
OPEN SOLUTIONS INC	COM	68371P102	2,674	134,823	SH	X		1
ORACLE CORP	COM	68389X105	3,294	263,944	SH	X		1
ORACLE CORP	COM	68389X105	255	20,458	SH		X	1
OSHKOSH TRUCK CORP	COM	688239201	6,593	80,409	SH	X		1
OSHKOSH TRUCK CORP	COM	688239201	2,236	27,270	SH		X	1
OSI PHARMACEUTICALS	COM	671040103	1,679	40,623	SH	X		1
OUTBACK STEAKHOUSE INC	COM	689899102	426	9,313	SH	X		1
OUTBACK STEAKHOUSE INC	COM	689899102	35	770	SH		X	1
PACCAR INC	COM	693718108	233	3,223	SH	X		1
PACCAR INC	COM	693718108	6	77	SH		X	1
PACIFIC SUNWEAR CALIF	COM	694873100	2,795	99,884	SH	X		1
PACKAGING CORP AMER	COM	695156109	9,218	379,482	SH	X		1
PARAMETRIC TECHNOLOGY	COM	699173100	1,216	217,585	SH	X		1
PARAMETRIC TECHNOLOGY	COM	699173100	3	485	SH		X	1

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 03/31/2005

- - - - 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
PARKER HANNIFIN CORP	COM	701094104	20,428	335,320	SH	X		1
PARKER HANNIFIN CORP	COM	701094104	677	11,114	SH		X	1 6
PATTERSON COMPANIES	COM	703395103	390	7,816	SH	X		1
PATTERSON COMPANIES	COM	703395103	28	560	SH		X	1
PATTERSON UTI ENERGY	COM	703481101	3,571	142,735	SH	X		1
PAYCHEX INC	COM	704326107	466	14,204	SH	X		1
PAYCHEX INC	COM	704326107	8	255	SH		X	1
PENNEY J C INC	COM	708160106	10,161	195,696	SH	X		1
PENNEY J C INC	COM	708160106	835	16,074	SH		X	1
PENTAIR INC	COM	709631105	3,015	77,312	SH	X		1
PENTAIR INC	COM	709631105	67	1,712	SH		X	1
PEOPLES ENERGY CORP	COM	711030106	1,084	25,861	SH	X		1
PEOPLES ENERGY CORP	COM	711030106	23	552	SH		X	1 6
PEPSICO INC	COM	713448108	19,811	373,575	SH	X		1
PEPSICO INC	COM	713448108	3,427	64,620	SH		X	1 6
PERKINELMER INC	COM	714046109	1,776	86,096	SH	X		1
PERKINELMER INC	COM	714046109	15	715	SH		X	1
PFIZER INC	COM	717081103	24,437	930,209	SH	X		1
PFIZER INC	COM	717081103	4,942	188,140	SH		X	1 6
PG&E CORP	COM	69331C108	338	9,903	SH	X		1
PG&E CORP	COM	69331C108	3	97	SH		X	1
PHELPS DODGE CORP	COM	717265102	2,866	28,175	SH	X		1
PHELPS DODGE CORP	COM	717265102	16	153	SH		X	1
PIER 1 IMPORTS INC	COM	720279108	8,997	493,545	SH	X		1
PINNACLE WEST CAP CORP	COM	723484101	706	16,619	SH	X		1
PINNACLE WEST CAP CORP	COM	723484101	23	536	SH		X	1
PIONEER DRILLING CO	COM	723655106	2,843	206,470	SH	X		1
PITNEY BOWES INC	COM	724479100	260	5,765	SH	X		1
PITNEY BOWES INC	COM	724479100	91	2,010	SH		X	1
PLUM CREEK TIMBER CO	COM	729251108	13,973	391,387	SH	X		1
PLUM CREEK TIMBER CO	COM	729251108	1,156	32,368	SH		X	1 6
PNC FINL SVCS GRP INC	COM	693475105	10,875	211,240	SH	X		1
PNC FINL SVCS GRP INC	COM	693475105	98	1,911	SH		X	1 6
POSCO	SPONSORED ADR	693483109	464	9,400	SH	X		1
POSCO	SPONSORED ADR	693483109	78	1,589	SH		X	1
POWELL INDS INC	COM	739128106	522	28,200	SH		X	1
PPG INDS INC	COM	693506107	4,033	56,386	SH	X		1
PPG INDS INC	COM	693506107	292	4,079	SH		X	1
PPL CORP	COM	69351T106	1,385	25,653	SH	X		1
PPL CORP	COM	69351T106	43	801	SH		X	1 6
PRAXAIR INC	COM	74005P104	757	15,813	SH	X		1
PRAXAIR INC	COM	74005P104	128	2,676	SH		X	1
PRECISION CASTPARTS	COM	740189105	3,953	51,328	SH	X		1
PRECISION CASTPARTS	COM	740189105	6	75	SH		X	1
PRICE T ROWE GROUP INC	COM	74144T108	241	4,054	SH	X		1
PRICE T ROWE GROUP INC	COM	74144T108	9	144	SH		X	1
PRINCIPAL FINANCL GRP	COM	74251V102	436	11,335	SH	X		1
PRINCIPAL FINANCL GRP	COM	74251V102	6	147	SH		X	1
PROCTER & GAMBLE CO	COM	742718109	26,971	508,889	SH	X		1
PROCTER & GAMBLE CO	COM	742718109	3,406	64,262	SH		X	1 6
PROGRESS ENERGY INC	COM	743263105	5,172	123,279	SH	X		1
PROGRESS ENERGY INC	COM	743263105	78	1,870	SH		X	1 6
PROGRESSIVE CORP OHIO	COM	743315103	657	7,164	SH	X		1
PROGRESSIVE CORP OHIO	COM	743315103	73	800	SH		X	1
PROLOGIS	SH BEN INT	743410102	1,004	27,061	SH	X		1
PROLOGIS	SH BEN INT	743410102	22	604	SH		X	1 6
PROQUEST COMPANY	COM	74346P102	11,861	328,094	SH	X		1
PROTECTIVE LIFE CORP	COM	743674103	10,157	258,442	SH	X		1
PROTECTIVE LIFE CORP	COM	743674103	7	170	SH		X	1

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PROVIDIAN FINL CORP	COM	74406A102	500	29,154	SH	X		1
PROVIDIAN FINL CORP	COM	74406A102	11	659	SH		X	1
PRUDENTIAL FINL INC	COM	744320102	1,929	33,603	SH	X		1
PRUDENTIAL FINL INC	COM	744320102	31	542	SH		X	1
PSYCHIATRIC SOLUTIONS	COM	74439H108	2,382	51,783	SH	X		1
PUBLIC SVC ENTRPRS GRP	COM	744573106	1,693	31,128	SH	X		1
PUBLIC SVC ENTRPRS GRP	COM	744573106	44	806	SH		X	1 6
PULTE HOMES INC	COM	745867101	356	4,840	SH	X		1
PULTE HOMES INC	COM	745867101	14	193	SH		X	1
QSOUND LABS INC	COM NEW	74728C307	694	155,240	SH	X		1
QUALCOMM INC	COM	747525103	2,350	64,166	SH	X		1
QUALCOMM INC	COM	747525103	503	13,721	SH		X	1
QUEST DIAGNOSTICS INC	COM	74834L100	252	2,397	SH	X		1
QUEST DIAGNOSTICS INC	COM	74834L100	45	425	SH		X	1
QUESTAR CORP	COM	748356102	195	3,298	SH	X		1
QUESTAR CORP	COM	748356102	47	800	SH		X	1
RADIAN GROUP INC	COM	750236101	863	18,071	SH	X		1
RADIAN GROUP INC	COM	750236101	63	1,314	SH		X	1
RADIOSHACK CORP	COM	750438103	445	18,181	SH	X		1
RADIOSHACK CORP	COM	750438103	10	418	SH		X	1
RANGE RES CORP	COM	75281A109	981	42,000	SH	X		1
RAYONIER INC	COM	754907103	1,530	30,885	SH	X		1
RAYONIER INC	COM	754907103	27	552	SH		X	1
RAYTHEON CO	COM NEW	755111507	267	6,911	SH	X		1
RAYTHEON CO	COM NEW	755111507	169	4,358	SH		X	1
REEBOK INTL LTD	COM	758110100	621	14,021	SH	X		1
REEBOK INTL LTD	COM	758110100	12	263	SH		X	1
REGAL BELOIT CORP	COM	758750103	16,637	577,882	SH	X		1
REGAL BELOIT CORP	COM	758750103	252	8,760	SH		X	1
REGIONS FINANCIAL CORP	COM	7591EP100	2,073	63,983	SH	X		1
REGIONS FINANCIAL CORP	COM	7591EP100	46	1,421	SH		X	1 6

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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 (C)	MGRS
REPUBLIC SVCS INC	COM	760759100	9,657	288,433	SH	X			1
REPUBLIC SVCS INC	COM	760759100	93	2,770	SH			X	1
RESMED INC	COM	761152107	327	5,806	SH	X			1
REYNOLDS AMERICAN INC	COM	761713106	1,180	14,648	SH	X			1
REYNOLDS AMERICAN INC	COM	761713106	11	133	SH			X	1
RIO TINTO PLC	SPONSORED ADR	767204100	234	1,800	SH	X			1
RIO TINTO PLC	SPONSORED ADR	767204100	130	1,001	SH			X	1
ROCKWELL AUTOMATION	COM	773903109	1,931	34,085	SH	X			1
ROCKWELL AUTOMATION	COM	773903109	283	4,991	SH			X	1
ROCKWELL COLLINS INC	COM	774341101	1,422	29,879	SH	X			1
ROCKWELL COLLINS INC	COM	774341101	113	2,365	SH			X	1
ROYAL DUTCH PETE CO	NY REG EUR .56	780257804	5,918	98,564	SH	X			1
ROYAL DUTCH PETE CO	NY REG EUR .56	780257804	1,335	22,231	SH			X	1 6
SAFECO CORP	COM	786429100	9,523	195,503	SH	X			1

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SAFECO CORP	COM	786429100	11	229	SH		X	1
SAKS INC	COM	79377W108	235	13,000	SH	X		1
SAKS INC	COM	79377W108	7	400	SH		X	1
SANTARUS INC	COM	802817304	1,512	311,108	SH	X		1
SANTARUS INC	COM	802817304	1	200	SH		X	1
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	214	5,335	SH	X		1
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	48	1,200	SH		X	1
SARA LEE CORP	COM	803111103	5,644	254,678	SH	X		1
SARA LEE CORP	COM	803111103	675	30,444	SH		X	1 6
SASOL LTD	SPONSORED ADR	803866300	4,114	172,512	SH	X		1
SBC COMMUNICATIONS INC	COM	78387G103	22,622	954,900	SH	X		1
SBC COMMUNICATIONS INC	COM	78387G103	3,853	162,658	SH		X	1 6
SCHERING PLOUGH CORP	COM	806605101	1,167	64,309	SH	X		1
SCHERING PLOUGH CORP	COM	806605101	428	23,569	SH		X	1
SCHLUMBERGER LTD	COM	806857108	3,302	46,850	SH	X		1
SCHLUMBERGER LTD	COM	806857108	823	11,680	SH		X	1 6
SCHOLASTIC CORP	COM	807066105	6,903	187,114	SH	X		1
SCIENTIFIC ATLANTA INC	COM	808655104	228	8,080	SH	X		1
SCIENTIFIC ATLANTA INC	COM	808655104	6	215	SH		X	1
SEI INVESTMENTS CO	COM	784117103	828	22,904	SH	X		1
SEI INVESTMENTS CO	COM	784117103	7	200	SH		X	1
SELECT SECTOR SPDR TR	SBI INT-ENERGY	81369Y506	556	12,980	SH	X		1
SELECT SECTOR SPDR TR	SBI INT-TECH	81369Y803	270	13,820	SH	X		1
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	221	7,595	SH	X		1
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	43	1,461	SH		X	1
SEMPRA ENERGY	COM	816851109	1,289	32,353	SH	X		1
SEMPRA ENERGY	COM	816851109	35	879	SH		X	1 6
SENSIENT TECHNOLOGIES	COM	81725T100	381	17,689	SH	X		1
SENSIENT TECHNOLOGIES	COM	81725T100	42	1,930	SH		X	1
SEPRACOR INC	COM	817315104	3,249	56,598	SH	X		1
7-ELEVEN INC	COM NEW	817826209	975	40,600	SH	X		1
SFBC INTL INC	COM	784121105	2,748	77,982	SH	X		1
SFBC INTL INC	COM	784121105	4	127	SH		X	1
SHELL TRANS & TRADING	ADR NY SHS NEW	822703609	61	1,125	SH	X		1
SHELL TRANS & TRADING	ADR NY SHS NEW	822703609	210	3,861	SH		X	1
SHERWIN WILLIAMS CO	COM	824348106	628	14,287	SH	X		1
SHERWIN WILLIAMS CO	COM	824348106	9	208	SH		X	1
SIEMENS A G	SPONSORED ADR	826197501	143	1,806	SH	X		1
SIEMENS A G	SPONSORED ADR	826197501	178	2,250	SH		X	1
SIGMA ALDRICH CORP	COM	826552101	1,046	17,076	SH	X		1
SIGMA ALDRICH CORP	COM	826552101	29	476	SH		X	1
SILICON LABORATORIES	COM	826919102	4,273	143,810	SH	X		1
SIMON PPTY GROUP INC	COM	828806109	3,130	51,662	SH	X		1
SIMON PPTY GROUP INC	COM	828806109	47	775	SH		X	1 6
SIRIUS SATELLITE RADIO	COM	82966U103	56	10,000	SH	X		1
SIRIUS SATELLITE RADIO	COM	82966U103	6	1,000	SH		X	1
SKYWORKS SOLUTIONS INC	COM	83088M102	104	16,416	SH	X		1
SLM CORP	COM	78442P106	438	8,795	SH	X		1
SLM CORP	COM	78442P106	12	244	SH		X	1
SMITH A O	COM	831865209	112	3,868	SH	X		1
SMITH A O	COM	831865209	231	8,000	SH		X	1
SMITHFIELD FOODS INC	COM	832248108	7,770	246,268	SH	X		1
SMUCKER J M CO	COM NEW	832696405	46	906	SH	X		1
SMUCKER J M CO	COM NEW	832696405	330	6,558	SH		X	1
SMURFIT-STONE CONTAINR	COM	832727101	955	61,709	SH	X		1
SNAP ON INC	COM	833034101	13,097	411,991	SH	X		1
SNAP ON INC	COM	833034101	269	8,460	SH		X	1 6
SOUTHERN CO	COM	842587107	5,076	159,477	SH	X		1
SOUTHERN CO	COM	842587107	504	15,847	SH		X	1 6
SOUTHWESTERN ENERGY CO	COM	845467109	441	7,766	SH	X		1
SOVEREIGN BANCORP INC	COM	845905108	665	29,988	SH	X		1
SOVEREIGN BANCORP INC	COM	845905108	4	180	SH		X	1

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SPDR TR	UNIT SER 1	78462F103	9,463	80,225 SH	X		1
SPDR TR	UNIT SER 1	78462F103	2,118	17,953 SH			X 1
SPRINT CORP	COM FON	852061100	8,291	364,419 SH	X		1
SPRINT CORP	COM FON	852061100	197	8,640 SH			X 1
ST JOE CO	COM	790148100	424	6,300 SH	X		1
ST JUDE MED INC	COM	790849103	1,016	28,232 SH	X		1
ST JUDE MED INC	COM	790849103	367	10,181 SH			X 1
ST PAUL TRAVELERS INC	COM	792860108	8,316	226,413 SH	X		1
ST PAUL TRAVELERS INC	COM	792860108	19	518 SH			X 1
STAPLES INC	COM	855030102	510	16,219 SH	X		1
STAPLES INC	COM	855030102	66	2,103 SH			X 1
STARBUCKS CORP	COM	855244109	1,493	28,891 SH	X		1
STARBUCKS CORP	COM	855244109	111	2,147 SH			X 1
STARWOOD HTLS & RSRTS	PAIRED CTF	85590A203	1,040	17,321 SH	X		1

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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
STARWOOD HTLS & RSRTS	PAIRED CTF	85590A203	11	184 SH			X	1
STATE STR CORP	COM	857477103	1,002	22,909 SH	X			1
STATE STR CORP	COM	857477103	18	401 SH			X	1
STORA ENSO CORP	SPON ADR REP R	86210M106	995	70,840 SH	X			1
STRYKER CORP	COM	863667101	2,265	50,781 SH	X			1
STRYKER CORP	COM	863667101	497	11,130 SH			X	1
SUN MICROSYSTEMS INC	COM	866810104	76	18,888 SH	X			1
SUN MICROSYSTEMS INC	COM	866810104	34	8,400 SH			X	1
SUNGARD DATA SYS INC	COM	867363103	16,448	476,744 SH	X			1
SUNGARD DATA SYS INC	COM	867363103	3	95 SH			X	1
SUNOCO INC	COM	86764P109	1,370	13,234 SH	X			1
SUNOCO INC	COM	86764P109	28	272 SH			X	1
SUNTRUST BKS INC	COM	867914103	3,692	51,224 SH	X			1
SUNTRUST BKS INC	COM	867914103	73	1,011 SH			X	1 6
SUPERVALU INC	COM	868536103	6,308	189,145 SH	X			1
SUPERVALU INC	COM	868536103	18	545 SH			X	1
SURMODICS INC	COM	868873100	325	10,170 SH	X			1
SWIFT TRANSN CO	COM	870756103	8,934	403,541 SH	X			1
SWISSCOM AG	SPONSORED ADR	871013108	201	5,465 SH			X	1
SYMANTEC CORP	COM	871503108	435	20,388 SH	X			1
SYMANTEC CORP	COM	871503108	16	733 SH			X	1
SYNOVUS FINL CORP	COM	87161C105	1,104	39,641 SH	X			1
SYNOVUS FINL CORP	COM	87161C105	5	189 SH			X	1
SYSCO CORP	COM	871829107	860	24,030 SH	X			1
SYSCO CORP	COM	871829107	216	6,024 SH			X	1
TAIWAN SEMICONDCR MFG	SPONSORED ADR	874039100	21	2,487 SH	X			1
TAIWAN SEMICONDCR MFG	SPONSORED ADR	874039100	159	18,793 SH			X	1
TARGET CORP	COM	87612E106	4,355	87,071 SH	X			1
TARGET CORP	COM	87612E106	1,900	37,988 SH			X	1
TCF FINL CORP	COM	872275102	1,359	50,050 SH	X			1
TCF FINL CORP	COM	872275102	48	1,760 SH			X	1

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TECO ENERGY INC	COM	872375100	3,757	239,609	SH	X		1
TECO ENERGY INC	COM	872375100	13	800	SH		X	1
TECUMSEH PRODS CO	CL A	878895200	205	5,170	SH		X	1
TEMPUR PEDIC INTL INC	COM	88023U101	6,893	369,421	SH	X		1
TEPPCO PARTNERS L P	UT LTD PARTNER	872384102	182	4,335	SH	X		1
TEPPCO PARTNERS L P	UT LTD PARTNER	872384102	42	1,000	SH		X	1
TEXAS INSTRS INC	COM	882508104	1,564	61,367	SH	X		1
TEXAS INSTRS INC	COM	882508104	591	23,178	SH		X	1
TEXTRON INC	COM	883203101	4,157	55,715	SH	X		1
TEXTRON INC	COM	883203101	3	34	SH		X	1
THERMO ELECTRON CORP	COM	883556102	205	8,106	SH	X		1
THERMO ELECTRON CORP	COM	883556102	10	393	SH		X	1
THIRD WAVE TECHNOLGS	COM	88428W108	9	1,500	SH	X		1
THIRD WAVE TECHNOLGS	COM	88428W108	219	38,000	SH		X	1
3M CO	COM	88579Y101	25,923	302,519	SH	X		1
3M CO	COM	88579Y101	5,376	62,739	SH		X	1 6
TIFFANY & CO NEW	COM	886547108	410	11,864	SH	X		1
TIFFANY & CO NEW	COM	886547108	1	24	SH		X	1
TIME WARNER INC	COM	887317105	8,947	509,774	SH	X		1
TIME WARNER INC	COM	887317105	842	47,967	SH		X	1 6
TJX COS INC NEW	COM	872540109	343	13,908	SH	X		1
TJX COS INC NEW	COM	872540109	34	1,377	SH		X	1
TORCHMARK CORP	COM	891027104	370	7,092	SH	X		1
TORCHMARK CORP	COM	891027104	13	257	SH		X	1
TOREADOR RES CORP	COM	891050106	2,166	119,328	SH	X		1
TRAMMELL CROW CO	COM	89288R106	2,240	108,875	SH	X		1
TRANSCANADA CORP	COM	89353D107	284	11,500	SH	X		1
TRIAD HOSPITALS INC	COM	89579K109	972	19,409	SH	X		1
TRIBUNE CO NEW	COM	896047107	138	3,463	SH	X		1
TRIBUNE CO NEW	COM	896047107	317	7,950	SH		X	1
TUPPERWARE CORP	COM	899896104	193	9,481	SH	X		1
TUPPERWARE CORP	COM	899896104	673	33,073	SH		X	1
TXU CORP	COM	873168108	2,323	29,169	SH	X		1
TXU CORP	COM	873168108	60	754	SH		X	1 6
TYCO INTL LTD NEW	COM	902124106	3,103	91,819	SH	X		1
TYCO INTL LTD NEW	COM	902124106	730	21,603	SH		X	1
UNION PAC CORP	COM	907818108	771	11,063	SH	X		1
UNION PAC CORP	COM	907818108	218	3,129	SH		X	1
UNITED PARCEL SERVICE	CL B	911312106	7,839	107,768	SH	X		1
UNITED PARCEL SERVICE	CL B	911312106	7,784	107,005	SH		X	1
UNITED TECHNOLOGIES	COM	913017109	5,779	56,849	SH	X		1
UNITED TECHNOLOGIES	COM	913017109	990	9,734	SH		X	1
UNITED UTILS PLC	SPONSORED ADR	91311Q105	205	8,495	SH		X	1
UNITEDHEALTH GROUP INC	COM	91324P102	4,980	52,215	SH	X		1
UNITEDHEALTH GROUP INC	COM	91324P102	180	1,886	SH		X	1
UNIVERSAL HLTH SVCS	CL B	913903100	13,082	249,654	SH	X		1
UNIVISION COMMUNICATNS	CL A	914906102	490	17,689	SH	X		1
UNIVISION COMMUNICATNS	CL A	914906102	7	250	SH		X	1
URBAN OUTFITTERS INC	COM	917047102	1,081	22,525	SH	X		1
URBAN OUTFITTERS INC	COM	917047102	9	195	SH		X	1
US BANCORP DEL	COM NEW	902973304	16,418	569,662	SH	X		1
US BANCORP DEL	COM NEW	902973304	3,048	105,753	SH		X	1 6
UST INC	COM	902911106	5,213	100,832	SH	X		1
UST INC	COM	902911106	122	2,353	SH		X	1
V F CORP	COM	918204108	1,184	20,024	SH	X		1
V F CORP	COM	918204108	4	63	SH		X	1
VALERO ENERGY CORP NEW	COM	91913Y100	1,358	18,535	SH	X		1
VALERO ENERGY CORP NEW	COM	91913Y100	157	2,137	SH		X	1
VAN KAMPEN MUN OPPTY	COM	920944105	142	11,095	SH	X		1

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MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 03/31/2005

- - - - 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
VARIAN MED SYS INC	COM	92220P105	2,659	77,555	SH	X		1
VARIAN MED SYS INC	COM	92220P105	21	610	SH		X	1
VASCO DATA SEC INTL	COM	92230Y104	749	119,335	SH	X		1
VERISIGN INC	COM	92343E102	3,498	121,873	SH	X		1
VERISIGN INC	COM	92343E102	9	305	SH		X	1
VERIZON COMMUNICATIONS	COM	92343V104	37,277	1,050,058	SH	X		1
VERIZON COMMUNICATIONS	COM	92343V104	2,787	78,502	SH		X	1 6
VIACOM INC	CL B	925524308	1,383	39,697	SH	X		1
VIACOM INC	CL B	925524308	507	14,546	SH		X	1
VODAFONE GROUP PLC NEW	SPONSORED ADR	92857W100	418	15,738	SH	X		1
VODAFONE GROUP PLC NEW	SPONSORED ADR	92857W100	103	3,860	SH		X	1
WACHOVIA CORP 2ND NEW	COM	929903102	13,590	266,938	SH	X		1
WACHOVIA CORP 2ND NEW	COM	929903102	492	9,672	SH		X	1 6
WACOAL CORP	ADR	930004205	200	3,015	SH		X	1
WAL MART STORES INC	COM	931142103	28,432	567,391	SH	X		1
WAL MART STORES INC	COM	931142103	4,081	81,439	SH		X	1 6
WALGREEN CO	COM	931422109	20,166	453,987	SH	X		1
WALGREEN CO	COM	931422109	7,069	159,143	SH		X	1 6
WASHINGTON MUT INC	COM	939322103	6,776	171,551	SH	X		1
WASHINGTON MUT INC	COM	939322103	105	2,670	SH		X	1 6
WASTE MGMT INC DEL	COM	94106L109	89	3,082	SH	X		1
WASTE MGMT INC DEL	COM	94106L109	296	10,255	SH		X	1
WATERS CORP	COM	941848103	320	8,954	SH	X		1
WATERS CORP	COM	941848103	13	376	SH		X	1
WATSON WYATT & CO	CL A	942712100	10,627	390,716	SH	X		1
WAUSAU-MOSINEE PAPER	COM	943315101	2,848	201,382	SH	X		1
WAUSAU-MOSINEE PAPER	COM	943315101	3,709	262,326	SH		X	1
WEINGARTEN RLTY INVS	SH BEN INT	948741103	116	3,375	SH	X		1
WEINGARTEN RLTY INVS	SH BEN INT	948741103	535	15,499	SH		X	1
WELLCARE HEALTH PLANS	COM	94946T106	2,512	82,458	SH	X		1
WELLPOINT INC	COM	94973V107	1,410	11,247	SH	X		1
WELLPOINT INC	COM	94973V107	40	316	SH		X	1
WELLS FARGO & CO NEW	COM	949746101	32,134	537,358	SH	X		1
WELLS FARGO & CO NEW	COM	949746101	3,606	60,298	SH		X	1 6
WESCO INTL INC	COM	95082P105	2,322	82,928	SH	X		1
WESTELL TECHNOLOGIES	CL A	957541105	2,000	362,997	SH	X		1
WEYERHAEUSER CO	COM	962166104	11,765	171,745	SH	X		1
WEYERHAEUSER CO	COM	962166104	1,967	28,715	SH		X	1 6
WHIRLPOOL CORP	COM	963320106	722	10,654	SH	X		1
WHIRLPOOL CORP	COM	963320106	206	3,045	SH		X	1
WHITEHALL JEWELLERS	COM	965063100	142	20,000	SH	X		1
WILLIAMS COS INC DEL	COM	969457100	337	17,932	SH	X		1
WILLIAMS COS INC DEL	COM	969457100	109	5,772	SH		X	1
WILLIAMS SONOMA INC	COM	969904101	981	26,683	SH	X		1
WILSONS LEATHER EXPRTS	COM	972463103	1,929	404,434	SH	X		1
WIND RIVER SYSTEMS INC	COM	973149107	2,910	192,969	SH	X		1
WIND RIVER SYSTEMS INC	COM	973149107	34	2,250	SH		X	1
WISCONSIN ENERGY CORP	COM	976657106	4,128	116,289	SH	X		1

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WISCONSIN ENERGY CORP	COM	976657106	1,274	35,889	SH		X	1
WITNESS SYS INC	COM	977424100	2,730	155,534	SH	X		1
WORTHINGTON INDS INC	COM	981811102	892	46,284	SH	X		1
WPS RESOURCES CORP	COM	92931B106	8,331	157,434	SH	X		1
WPS RESOURCES CORP	COM	92931B106	302	5,700	SH		X	1
WRIGLEY WM JR CO	COM	982526105	1,203	18,341	SH	X		1
WRIGLEY WM JR CO	COM	982526105	1,093	16,676	SH		X	1
WYETH	COM	983024100	8,445	200,221	SH	X		1
WYETH	COM	983024100	2,360	55,960	SH		X	1
XCEL ENERGY INC	COM	98389B100	9,463	550,793	SH	X		1
XCEL ENERGY INC	COM	98389B100	118	6,859	SH		X	1 6
XEROX CORP	COM	984121103	8,865	585,176	SH	X		1
XEROX CORP	COM	984121103	33	2,153	SH		X	1
XTO ENERGY INC	COM	98385X106	1,138	34,650	SH	X		1
XTO ENERGY INC	COM	98385X106	586	17,844	SH		X	1
YAHOO INC	COM	984332106	6,699	197,609	SH	X		1
YAHOO INC	COM	984332106	74	2,184	SH		X	1
YORK INTL CORP NEW	COM	986670107	3,586	91,517	SH	X		1
YUM BRANDS INC	COM	988498101	519	10,018	SH	X		1
YUM BRANDS INC	COM	988498101	145	2,802	SH		X	1
ZEBRA TECHNOLOGIES	CL A	989207105	73	1,541	SH	X		1
ZEBRA TECHNOLOGIES	CL A	989207105	131	2,767	SH		X	1
ZIMMER HLDGS INC	COM	98956P102	9,687	124,499	SH	X		1
ZIMMER HLDGS INC	COM	98956P102	1,159	14,891	SH		X	1 6
ZOLTEK COS INC	COM	98975W104	421	34,600	SH		X	1
FINAL TOTALS			3,823,675					

M&I INVESTMENT MANAGEMENT CORP.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 03/31/2005

- - - - 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
COOPER INDS LTD	CL A	G24182100	393	5,500	SH	X		5
ABBOTT LABS	COM	002824100	454	9,730	SH	X		5
ALCOA INC	COM	013817101	213	7,010	SH	X		5
ALTRIA GROUP INC	COM	02209S103	401	6,135	SH	X		5
ASSOCIATED BANC CORP	COM	045487105	300	9,600	SH	X		5
BB&T CORP	COM	054937107	393	10,069	SH	X		5
BANK OF AMERICA CORP	COM	060505104	830	18,812	SH	X		5
BELLSOUTH CORP	COM	079860102	359	13,650	SH	X		5
CHEVRONTEXACO CORP	COM	166764100	744	12,752	SH	X		5
CITIGROUP INC	COM	172967101	847	18,858	SH	X		5
DEVELOPERS DVRSFD RLTY	COM	251591103	393	9,910	SH	X		5
DOMINION RES INC VA	COM	25746U109	381	5,120	SH	X		5
DOW CHEM CO	COM	260543103	548	10,990	SH	X		5
DYNEGY INC.	CL A	26816Q101	39	10,135	SH	X		5
EASTMAN CHEM CO	COM	277432100	444	7,524	SH	X		5
ENTERPRISE PRDS PRTRNS	COM	293792107	312	12,124	SH	X		5
EXELON CORP	COM	30161N101	245	5,341	SH	X		5

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EXXON MOBIL CORP	COM	30231G102	724	12,150	SH	X	5
GENERAL ELEC CO	COM	369604103	868	24,060	SH	X	5
GENERAL GROWTH PPTYS	COM	370021107	388	11,390	SH	X	5
GILLETTE CO	COM	375766102	214	4,230	SH	X	5
ISTAR FINL INC	COM	45031U101	360	8,740	SH	X	5
INLAND REAL ESTATE	COM NEW	457461200	286	19,000	SH	X	5
INTEL CORP	COM	458140100	208	8,970	SH	X	5
ISHARES TR	RUSSELL MCP GR	464287481	3,814	46,000	SH	X	5
ISHARES TR	RUSL 2000 GROW	464287648	3,730	59,600	SH	X	5
JPMORGAN & CHASE & CO	COM	46625H100	530	15,308	SH	X	5
KERR MCGEE CORP	COM	492386107	490	6,250	SH	X	5
LOWES COS INC	COM	548661107	230	4,030	SH	X	5
MERCK & CO INC	COM	589331107	562	17,366	SH	X	5
MICROSOFT CORP	COM	594918104	279	11,551	SH	X	5
OCCIDENTAL PETE CORP	COM	674599105	534	7,500	SH	X	5
PPG INDS INC	COM	693506107	315	4,400	SH	X	5
PPL CORP	COM	69351T106	373	6,911	SH	X	5
PARKER HANNIFIN CORP	COM	701094104	207	3,400	SH	X	5
PITNEY BOWES INC	COM	724479100	293	6,500	SH	X	5
RPM INTL INC	COM	749685103	303	16,600	SH	X	5
SBC COMMUNICATIONS INC	COM	78387G103	493	20,819	SH	X	5
ST PAUL TRAVELERS INC	COM	792860108	261	7,100	SH	X	5
SIMON PPTY GROUP INC	COM	828806109	351	5,793	SH	X	5
STANLEY WKS	COM	854616109	335	7,400	SH	X	5
TEPPCO PARTNERS L P	UT LTD PARTNER	872384102	317	7,545	SH	X	5
US BANCORP DEL	COM NEW	902973304	472	16,367	SH	X	5
VALERO L P	COM UT LTD PRT	91913W104	353	5,865	SH	X	5
VERIZON COMMUNICATIONS	COM	92343V104	608	17,113	SH	X	5
VORNADO RLTY TR	SH BEN INT	929042109	393	5,670	SH	X	5
WACHOVIA CORP 2ND NEW	COM	929903102	275	5,398	SH	X	5
WAL MART STORES INC	COM	931142103	220	4,400	SH	X	5
WALGREEN CO	COM	931422109	249	5,624	SH	X	5
WASHINGTON MUT INC	COM	939322103	353	8,933	SH	X	5
WELLS FARGO & CO NEW	COM	949746101	784	13,114	SH	X	5

FINAL TOTALS

27,468
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