

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

Report Summary:

Number of Other Included Managers: 3

Form 13F Information Table Entry Total: 1,416

Form 13F Information Table Value Total: \$ 4,079,463
(thousands)

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

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION				
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
DEUTSCHE BANK AG NAMEN	ORD	D18190898	228	2,433 SH				X	1
ACE LTD	ORD	G0070K103	10,517	223,441 SH	X				1
ACE LTD	ORD	G0070K103	19	396 SH				X	1
ASSURED GUARANTY LTD	COM	G0585R106	3,941	164,684 SH	X				1
COOPER INDS LTD	CL A	G24182100	1,070	15,482 SH	X				1
COOPER INDS LTD	CL A	G24182100	9	137 SH				X	1
GLOBALSANTAFE CORP	SHS	G3930E101	6,449	141,363 SH	X				1
GLOBALSANTAFE CORP	SHS	G3930E101	763	16,720 SH				X	1
INGERSOLL-RAND COMPANY	CL A	G4776G101	565	14,788 SH	X				1
INGERSOLL-RAND COMPANY	CL A	G4776G101	64	1,685 SH				X	1
NABORS INDUSTRIES LTD	SHS	G6359F103	1,598	22,252 SH	X				1
NABORS INDUSTRIES LTD	SHS	G6359F103	18	253 SH				X	1
NOBLE CORPORATION	SHS	G65422100	12,476	182,240 SH	X				1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

NOBLE CORPORATION	SHS	G65422100	3	41	SH		X	1
ORIENT-EXPRESS HOTELS	CL A	G67743107	361	12,700	SH	X		1
PARTNERRE LTD	COM	G6852T105	13,355	208,514	SH	X		1
PARTNERRE LTD	COM	G6852T105	43	665	SH		X	1
RENAISSANCERE HOLDINGS	COM	G7496G103	7,174	164,052	SH	X		1
RENAISSANCERE HOLDINGS	COM	G7496G103	103	2,355	SH		X	1
TRANSOCEAN INC	ORD	G90078109	1,499	24,457	SH	X		1
TRANSOCEAN INC	ORD	G90078109	220	3,588	SH		X	1
WILLIS GROUP HOLDINGS	SHS	G96655108	385	10,264	SH	X		1
WILLIS GROUP HOLDINGS	SHS	G96655108	176	4,695	SH		X	1
XL CAP LTD	CL A	G98255105	5,409	79,506	SH	X		1
XL CAP LTD	CL A	G98255105	265	3,894	SH		X	1 6
UBS AG	NAMEN AKT	H8920M855	581	6,799	SH	X		1
UBS AG	NAMEN AKT	H8920M855	305	3,570	SH		X	1
CHECK POINT SOFTWARE	ORD	M22465104	107	4,400	SH	X		1
CHECK POINT SOFTWARE	ORD	M22465104	259	10,635	SH		X	1
M SYS FLASH DISK PIONRS	ORD	M7061C100	1,402	46,872	SH	X		1
SYNERON MEDICAL LTD	ORD SHS	M87245102	1,631	44,700	SH	X		1
AAR CORP	COM	000361105	2,341	136,291	SH	X		1
A D C TELECOMMUNICATNS	COM NEW	000886309	1,153	50,432	SH	X		1
A D C TELECOMMUNICATNS	COM NEW	000886309	3	114	SH		X	1
AFLAC INC	COM	001055102	592	13,079	SH	X		1
AFLAC INC	COM	001055102	114	2,520	SH		X	1
AES CORP	COM	00130H105	583	35,493	SH	X		1
AES CORP	COM	00130H105	24	1,463	SH		X	1
AMDL INC	COM PAR \$0.001	00167K401	18	40,000	SH	X		1
AT&T CORP	COM NEW	001957505	2,306	116,452	SH	X		1
AT&T CORP	COM NEW	001957505	99	5,021	SH		X	1 6
ABBOTT LABS	COM	002824100	22,606	533,156	SH	X		1
ABBOTT LABS	COM	002824100	3,221	75,966	SH		X	1 6
ABERCROMBIE & FITCH CO	CL A	002896207	1,301	26,104	SH	X		1
ABERDEEN ASIA PACIFIC	COM	003009107	92	15,017	SH	X		1
ACACIA RESH CORP	ACACIA TCH COM	003881307	1,597	260,096	SH	X		1
ACTIVISION INC NEW	COM NEW	004930202	3,093	151,246	SH	X		1
ADESA INC	COM	00686U104	10,936	494,839	SH	X		1
ADESA INC	COM	00686U104	13	580	SH		X	1
ADEZA BIOMEDICAL CORP	COM	006864102	1,721	98,863	SH	X		1
ADOBE SYS INC	COM	00724F101	622	20,850	SH	X		1
ADOBE SYS INC	COM	00724F101	64	2,146	SH		X	1
ADTRAN INC	COM	00738A106	1,131	35,905	SH	X		1
ADVANCE AUTO PARTS INC	COM	00751Y106	1,981	51,208	SH	X		1
ADVANTAGE ENERGY INC FD	TR UNIT	00762L101	440	24,010	SH	X		1
ADVANCED MICRO DEVICES	COM	007903107	2,468	97,928	SH	X		1
ADVANCED MICRO DEVICES	COM	007903107	1	43	SH		X	1
AEGON N V	ORD AMER REG	007924103	41	2,769	SH	X		1
AEGON N V	ORD AMER REG	007924103	230	15,469	SH		X	1
AETNA INC NEW	COM	00817Y108	1,121	13,014	SH	X		1
AETNA INC NEW	COM	00817Y108	774	8,984	SH		X	1
AFFILIATED CMPTR SRVCS	CL A	008190100	312	5,708	SH	X		1
AFFILIATED CMPTR SRVCS	CL A	008190100	6	115	SH		X	1
AFFILIATED MGRS GROUP	COM	008252108	5,397	74,525	SH	X		1
AFFILIATED MGRS GROUP	COM	008252108	5	66	SH		X	1
AGILENT TECHNOLOGIES	COM	00846U101	1,469	44,856	SH	X		1
AGILENT TECHNOLOGIES	COM	00846U101	139	4,245	SH		X	1
AIR PRODS & CHEMS INC	COM	009158106	591	10,719	SH	X		1
AIR PRODS & CHEMS INC	COM	009158106	1,035	18,776	SH		X	1
AIRGAS INC	COM	009363102	243	8,196	SH	X		1
AKAMAI TECHNOLOGIES INC	COM	00971T101	4,214	264,228	SH	X		1
ALBERTO CULVER CO	COM	013068101	304	6,803	SH	X		1
ALBERTO CULVER CO	COM	013068101	2	34	SH		X	1
ALBERTSONS INC	COM	013104104	359	13,977	SH	X		1
ALBERTSONS INC	COM	013104104	69	2,688	SH		X	1 6

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ALCOA INC	COM	013817101	11,241	460,319	SH	X			1
ALCOA INC	COM	013817101	1,484	60,775	SH			X	1
ALLEGHENY ENERGY INC	COM	017361106	2,153	70,081	SH	X			1
ALLEGHENY ENERGY INC	COM	017361106	9	290	SH			X	1
ALLEGHENY TECHNOLOGIES	COM	01741R102	1,450	46,790	SH	X			1
ALLEGHENY TECHNOLOGIES	COM	01741R102	12	403	SH			X	1
ALLERGAN INC	COM	018490102	1,999	21,813	SH	X			1
ALLERGAN INC	COM	018490102	4	40	SH			X	1
ALLETE INC	COM NEW	018522300	179	3,916	SH	X			1
ALLETE INC	COM NEW	018522300	22	486	SH			X	1
ALLIANCE DATA SYSTEMS	COM	018581108	2,213	56,535	SH	X			1
ALLIANT ENERGY CORP	COM	018802108	2,284	78,422	SH	X			1
ALLIANT ENERGY CORP	COM	018802108	228	7,815	SH			X	1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - - 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	INVESTMENT DISCRETION			
						(A)	(B)	(C)	OTHR MGRS
ALLSTATE CORP	COM	020002101	2,996	54,192	SH	X			1
ALLSTATE CORP	COM	020002101	667	12,056	SH			X	1
ALLTEL CORP	COM	020039103	13,417	206,070	SH	X			1
ALLTEL CORP	COM	020039103	63	964	SH			X	1
ALTERA CORP	COM	021441100	186	9,756	SH	X			1
ALTERA CORP	COM	021441100	7	348	SH			X	1
ALTRIA GROUP INC	COM	02209S103	45,680	619,731	SH	X			1
ALTRIA GROUP INC	COM	02209S103	13,842	187,791	SH			X	1
ALUMINA LTD	SPONSORED ADR	022205108	217	11,509	SH			X	1
AMBAC FINL GROUP INC	COM	023139108	11,903	165,182	SH	X			1
AMBAC FINL GROUP INC	COM	023139108	14	189	SH			X	1
AMERADA HESS CORP	COM	023551104	279	2,031	SH	X			1
AMERADA HESS CORP	COM	023551104	7	54	SH			X	1
AMEREN CORP	COM	023608102	1,711	31,984	SH	X			1
AMEREN CORP	COM	023608102	46	865	SH			X	6
AMCORE FINL INC	COM	023912108	22	709	SH	X			1
AMCORE FINL INC	COM	023912108	477	15,297	SH			X	1
AMERICAN EAGLE OUTFTRS	COM	02553E106	729	30,965	SH	X			1
AMERICAN EAGLE OUTFTRS	COM	02553E106	12	530	SH			X	1
AMERICAN ECOLOGY CORP	COM NEW	025533407	2,197	111,959	SH	X			1
AMERICAN ELEC PWR INC	COM	025537101	7,021	176,854	SH	X			1
AMERICAN ELEC PWR INC	COM	025537101	163	4,107	SH			X	6
AMERICAN EXPRESS CO	COM	025816109	7,361	128,143	SH	X			1
AMERICAN EXPRESS CO	COM	025816109	1,339	23,310	SH			X	6
AMERICAN INTL GROUP INC	COM	026874107	20,210	326,185	SH	X			1
AMERICAN INTL GROUP INC	COM	026874107	2,779	44,844	SH			X	6
AMERICAN PWR CONVERSION	COM	029066107	314	12,105	SH	X			1
AMERICAN PWR CONVERSION	COM	029066107	10	385	SH			X	1
AMERICAN STD COS INC	COM	029712106	499	10,727	SH	X			1
AMERICAN STD COS INC	COM	029712106	19	408	SH			X	1
AMERICAN TOWER CORP	CL A	029912201	1,395	55,899	SH	X			1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

AMERICAN TOWER CORP	CL A	029912201	84	3,372	SH		X	1
AMERICAN TECHNOLOGY	COM NEW	030145205	51	10,000	SH		X	1
AMERUS GROUP CO	COM	03072M108	251	4,367	SH	X		1
AMERUS GROUP CO	COM	03072M108	10	173	SH		X	1
AMERISOURCEBERGEN CORP	COM	03073E105	25,185	325,813	SH	X		1
AMERISOURCEBERGEN CORP	COM	03073E105	224	2,902	SH		X	1
AMES NATL CORP	COM	031001100	1,522	55,129	SH	X		1
AMETEK INC NEW	COM	031100100	1,347	31,341	SH	X		1
AMETEK INC NEW	COM	031100100	17	400	SH		X	1
AMGEN INC	COM	031162100	25,222	316,579	SH	X		1
AMGEN INC	COM	031162100	3,439	43,169	SH		X	1
AMPHENOL CORP NEW	CL A	032095101	1,258	31,175	SH	X		1
AMPHENOL CORP NEW	CL A	032095101	10	240	SH		X	1
AMSOUTH BANCORPORATION	COM	032165102	5,332	211,087	SH	X		1
AMSOUTH BANCORPORATION	COM	032165102	31	1,235	SH		X	1
AMYLIN PHARMACEUTICALS	COM	032346108	1,061	30,490	SH	X		1
ANADARKO PETE CORP	COM	032511107	9,621	100,480	SH	X		1
ANADARKO PETE CORP	COM	032511107	1,356	14,163	SH		X	1
ANALOG DEVICES INC	COM	032654105	7,659	206,208	SH	X		1
ANALOG DEVICES INC	COM	032654105	448	12,062	SH		X	1
ANCHOR BANCORP WIS INC	COM	032839102	3,208	108,823	SH	X		1
ANCHOR BANCORP WIS INC	COM	032839102	807	27,380	SH		X	1
ANGLO AMERN PLC	ADR	03485P102	204	6,750	SH	X		1
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	58	1,378	SH	X		1
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	378	8,907	SH		X	1
ANHEUSER BUSCH COS INC	COM	035229103	3,145	73,075	SH	X		1
ANHEUSER BUSCH COS INC	COM	035229103	1,724	40,056	SH		X	1
AON CORP	COM	037389103	303	9,438	SH	X		1
AON CORP	COM	037389103	83	2,583	SH		X	1
APACHE CORP	COM	037411105	3,163	42,045	SH	X		1
APACHE CORP	COM	037411105	133	1,766	SH		X	1
APARTMENT INVT & MGMT	CL A	03748R101	1,440	37,121	SH	X		1
APARTMENT INVT & MGMT	CL A	03748R101	31	787	SH		X	1
APOLLO GROUP INC	CL A	037604105	596	8,970	SH	X		1
APOLLO GROUP INC	CL A	037604105	8	128	SH		X	1
APPLE COMPUTER INC	COM	037833100	8,931	166,585	SH	X		1
APPLE COMPUTER INC	COM	037833100	124	2,315	SH		X	1
APRIA HEALTHCARE GROUP	COM	037933108	12,909	404,555	SH	X		1
APPLIED MATLS INC	COM	038222105	6,682	393,967	SH	X		1
APPLIED MATLS INC	COM	038222105	657	38,738	SH		X	1
ARCHER DANIELS MIDLAND	COM	039483102	7,623	309,117	SH	X		1
ARCHER DANIELS MIDLAND	COM	039483102	60	2,431	SH		X	1
ARM HLDGS PLC	SPONSORED ADR	042068106	127	20,200	SH	X		1
ARRIS GROUP INC	COM	04269Q100	4,534	382,322	SH	X		1
ARVINMERITOR INC	COM	043353101	477	28,547	SH	X		1
ARVINMERITOR INC	COM	043353101	1	49	SH		X	1
ASHLAND INC NEW	COM	044209104	1,444	26,133	SH	X		1
ASHLAND INC NEW	COM	044209104	48	865	SH		X	1
ASSOCIATED BANC CORP	COM	045487105	7,593	249,107	SH	X		1
ASSOCIATED BANC CORP	COM	045487105	2,956	96,985	SH		X	1
ATRICURE INC	COM	04963C209	868	62,470	SH	X		1
AUTODESK INC	COM	052769106	7,468	160,809	SH	X		1
AUTODESK INC	COM	052769106	62	1,327	SH		X	1
AUTOMATIC DATA PRCSNG	COM	053015103	840	19,509	SH	X		1
AUTOMATIC DATA PRCSNG	COM	053015103	477	11,084	SH		X	1
AUTOZONE INC	COM	053332102	346	4,160	SH	X		1
AUTOZONE INC	COM	053332102	25	301	SH		X	1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 12/31/2005

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

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			OTHER MGRS
					SH/PUT/SOLE CALL (A)	SHR (B)	OTHR (C)	
AVAYA INC	COM	053499109	348	33,796 SH	X			1
AVAYA INC	COM	053499109	9	853 SH			X	1
AVERY DENNISON CORP	COM	053611109	93	1,771 SH	X			1
AVERY DENNISON CORP	COM	053611109	108	2,070 SH			X	1
AVON PRODS INC	COM	054303102	1,886	69,855 SH	X			1
AVON PRODS INC	COM	054303102	30	1,128 SH			X	1
BB&T CORP	COM	054937107	7,809	199,972 SH	X			1
BB&T CORP	COM	054937107	75	1,916 SH			X	1 6
BJ SVCS CO	COM	055482103	1,965	54,596 SH	X			1
BJ SVCS CO	COM	055482103	7	200 SH			X	1
BP PLC	SPONSORED ADR	055622104	12,330	174,031 SH	X			1
BP PLC	SPONSORED ADR	055622104	5,210	73,538 SH			X	1 6
BADGER METER INC	COM	056525108	22,642	575,536 SH	X			1
BADGER METER INC	COM	056525108	480	12,200 SH			X	1
BAKER HUGHES INC	COM	057224107	1,611	26,986 SH	X			1
BAKER HUGHES INC	COM	057224107	19	325 SH			X	1
BALL CORP	COM	058498106	1,226	33,378 SH	X			1
BALL CORP	COM	058498106	17	471 SH			X	1
BANCO SANTANDER CENT H	ADR	05964H105	152	11,550 SH	X			1
BANK OF AMERICA CORP	COM	060505104	37,461	889,800 SH	X			1
BANK OF AMERICA CORP	COM	060505104	3,099	73,614 SH			X	1 6
BANK MUTUAL CORP NEW	COM	063750103	277	25,801 SH	X			1
BANK MUTUAL CORP NEW	COM	063750103	189	17,668 SH			X	1
BANK NEW YORK INC	COM	064057102	6,048	205,628 SH	X			1
BANK NEW YORK INC	COM	064057102	429	14,590 SH			X	1
BANTA CORP	COM	066821109	258	5,061 SH	X			1
BANTA CORP	COM	066821109	51	1,000 SH			X	1
BARD C R INC	COM	067383109	746	11,302 SH	X			1
BARD C R INC	COM	067383109	1,459	22,100 SH			X	1
BARRICK GOLD CORP	COM	067901108	533	18,337 SH			X	1
BAUSCH & LOMB INC	COM	071707103	11,412	141,442 SH	X			1
BAUSCH & LOMB INC	COM	071707103	6	77 SH			X	1
BAXTER INTL INC	COM	071813109	8,347	209,359 SH	X			1
BAXTER INTL INC	COM	071813109	652	16,355 SH			X	1
BE AEROSPACE INC	COM	073302101	2,587	156,121 SH	X			1
BEAR STEARNS COS INC	COM	073902108	7,542	68,723 SH	X			1
BEAR STEARNS COS INC	COM	073902108	14	125 SH			X	1
BECTON DICKINSON & CO	COM	075887109	345	6,588 SH	X			1
BECTON DICKINSON & CO	COM	075887109	6	108 SH			X	1
BED BATH & BEYOND INC	COM	075896100	450	11,205 SH	X			1
BED BATH & BEYOND INC	COM	075896100	280	6,959 SH			X	1
BELLSOUTH CORP	COM	079860102	13,129	499,203 SH	X			1
BELLSOUTH CORP	COM	079860102	1,485	56,476 SH			X	1 6
BEMIS INC	COM	081437105	248	10,029 SH	X			1
BEMIS INC	COM	081437105	5	200 SH			X	1
BERKLEY W R CORP	COM	084423102	6,542	165,708 SH	X			1
BERKLEY W R CORP	COM	084423102	18	460 SH			X	1
BERKSHIRE HATHAWAY INC	CL A	084670108	1,066	13 SH	X			1
BERKSHIRE HATHAWAY INC	CL A	084670108	1,148	14 SH			X	1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

BERKSHIRE HATHAWAY INC	CL B	084670207	1,729	633 SH	X				1
BERKSHIRE HATHAWAY INC	CL B	084670207	1,071	392 SH			X		1
BEST BUY INC	COM	086516101	9,172	210,710 SH	X				1
BEST BUY INC	COM	086516101	1,790	41,110 SH			X		1 6
BIG LOTS INC	COM	089302103	154	14,000 SH	X				1
BIOMET INC	COM	090613100	714	20,581 SH	X				1
BIOMET INC	COM	090613100	85	2,436 SH			X		1
BLACK & DECKER CORP	COM	091797100	545	6,633 SH	X				1
BLACK & DECKER CORP	COM	091797100	11	133 SH			X		1
BLACKROCK FLA INSD MUN	COM	09247H106	183	11,954 SH	X				1
BLOCK H & R INC	COM	093671105	2,148	89,563 SH	X				1
BLOCK H & R INC	COM	093671105	73	3,042 SH			X		1
BOEING CO	COM	097023105	10,220	150,399 SH	X				1
BOEING CO	COM	097023105	932	13,722 SH			X		1 6
BORG WARNER INC	COM	099724106	547	9,682 SH	X				1
BORG WARNER INC	COM	099724106	10	170 SH			X		1
BOSTON SCIENTIFIC CORP	COM	101137107	537	22,963 SH	X				1
BOSTON SCIENTIFIC CORP	COM	101137107	45	1,943 SH			X		1
BOTTOMLINE TECH DEL INC	COM	101388106	1,571	104,141 SH	X				1
BRADY CORP	CL A	104674106	107	3,469 SH	X				1
BRADY CORP	CL A	104674106	1,603	51,800 SH			X		1
BRIGGS & STRATTON CORP	COM	109043109	179	5,162 SH	X				1
BRIGGS & STRATTON CORP	COM	109043109	235	6,800 SH			X		1
BRISTOL MYERS SQUIBB CO	COM	110122108	15,107	627,888 SH	X				1
BRISTOL MYERS SQUIBB CO	COM	110122108	1,857	77,181 SH			X		1
BROADCOM CORP	CL A	111320107	2,712	57,795 SH	X				1
BROADCOM CORP	CL A	111320107	1	24 SH			X		1
BROWN FORMAN CORP	CL B	115637209	4,642	77,958 SH	X				1
BROWN FORMAN CORP	CL B	115637209	5	90 SH			X		1
BRUNSWICK CORP	COM	117043109	9,309	246,735 SH	X				1
BRUNSWICK CORP	COM	117043109	14	362 SH			X		1
BURLINGTN NRTN SNTA FE	COM	12189T104	4,964	83,007 SH	X				1
BURLINGTN NRTN SNTA FE	COM	12189T104	620	10,375 SH			X		1
BURLINGTON RES INC	COM	122014103	1,169	14,371 SH	X				1
BURLINGTON RES INC	COM	122014103	832	10,234 SH			X		1
CB RICHARD ELLIS GROUP	CL A	12497T101	3,050	61,990 SH	X				1
CB RICHARD ELLIS GROUP	CL A	12497T101	10	200 SH			X		1
C H ROBINSON WORLDWIDE	COM	12541W100	1,139	17,767 SH	X				1
CIGNA CORP	COM	125509109	951	8,072 SH	X				1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION		
						SHR (B)	OTHR (C)	OTHR MGRS
CIGNA CORP	COM	125509109	80	676 SH			X	1
CIT GROUP INC	COM	125581108	3,389	75,011 SH	X			1
CMS ENERGY CORP	COM	125896100	2,763	167,977 SH	X			1
CSX CORP	COM	126408103	8,378	180,259 SH	X			1
CSX CORP	COM	126408103	24	516 SH			X	1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

CVS CORP	COM	126650100	3,043	104,895	SH	X		1
CVS CORP	COM	126650100	188	6,471	SH		X	1
CV THERAPEUTICS INC	COM	126667104	1,672	62,517	SH	X		1
CADENCE DESIGN SYSTEM	COM	127387108	6,872	425,220	SH	X		1
CALAMOS CONV OPP & INC	SH BEN INT	128117108	528	26,357	SH	X		1
CALAMOS STRATGC TL RTRN	COM SH BEN INT	128125101	202	14,400	SH	X		1
CAMECO CORP	COM	13321L108	305	5,700	SH	X		1
CAMECO CORP	COM	13321L108	40	740	SH		X	1
CAMPBELL SOUP CO	COM	134429109	435	14,614	SH	X		1
CAMPBELL SOUP CO	COM	134429109	12	398	SH		X	1
CANADIAN NAT RES LTD	COM	136385101	429	9,485	SH	X		1
CANADIAN NAT RES LTD	COM	136385101	7	156	SH		X	1
CAPITAL ONE FINL CORP	COM	14040H105	1,403	17,643	SH	X		1
CAPITAL ONE FINL CORP	COM	14040H105	18	226	SH		X	1
CARDINAL HEALTH INC	COM	14149Y108	4,124	64,999	SH	X		1
CARDINAL HEALTH INC	COM	14149Y108	256	4,029	SH		X	1
CAREER EDUCATION CORP	COM	141665109	1,656	46,565	SH	X		1
CAREMARK RX INC	COM	141705103	2,569	51,445	SH	X		1
CAREMARK RX INC	COM	141705103	56	1,127	SH		X	1
CARMAX INC	COM	143130102	1,109	35,480	SH	X		1
CARNIVAL CORP	PAIRED CTF	143658300	1,513	30,263	SH	X		1
CARNIVAL CORP	PAIRED CTF	143658300	393	7,873	SH		X	1
CATERPILLAR INC DEL	COM	149123101	16,371	278,649	SH	X		1
CATERPILLAR INC DEL	COM	149123101	3,264	55,562	SH		X	1
CELGENE CORP	COM	151020104	973	17,921	SH	X		1
CELGENE CORP	COM	151020104	18	325	SH		X	1
CENDANT CORP	COM	151313103	1,351	65,442	SH	X		1
CENDANT CORP	COM	151313103	18	870	SH		X	1
CENTENE CORP DEL	COM	15135B101	2,829	113,038	SH	X		1
CENTENE CORP DEL	COM	15135B101	5	184	SH		X	1
CENTERPOINT ENERGY INC	COM	15189T107	410	27,543	SH	X		1
CENTERPOINT ENERGY INC	COM	15189T107	9	619	SH		X	1
CENTEX CORP	COM	152312104	346	5,361	SH	X		1
CENTEX CORP	COM	152312104	10	156	SH		X	1
CENTRAL EUROPEAN DIST	COM	153435102	1,774	41,661	SH	X		1
CENTRAL EUROPE & RUSSIA	COM	153436100	276	5,900	SH	X		1
CEPHALON INC	COM	156708109	1,057	22,771	SH	X		1
CEPHALON INC	COM	156708109	10	210	SH		X	1
CHARLES & COLVARD LTD	COM	159765106	2,859	114,543	SH	X		1
CHARMING SHOPPES INC	COM	161133103	1,247	116,867	SH	X		1
CHECKPOINT SYS INC	COM	162825103	382	16,108	SH	X		1
CHEMICAL FINL CORP	COM	163731102	267	8,205	SH		X	1
CHESAPEAKE ENERGY CORP	COM	165167107	3,913	102,299	SH	X		1
CHESAPEAKE ENERGY CORP	COM	165167107	130	3,400	SH		X	1
CHEVRON CORP NEW	COM	166764100	50,613	781,903	SH	X		1
CHEVRON CORP NEW	COM	166764100	4,747	73,328	SH		X	1
CHICAGO BRIDGE & IRON	NY REGISTRY SH	167250109	2,395	77,029	SH	X		1
CHICAGO BRIDGE & IRON	NY REGISTRY SH	167250109	6	200	SH		X	1
CHICAGO MERCANTILE HLDG	CL A	167760107	1,045	3,099	SH	X		1
CHICAGO MERCANTILE HLDG	CL A	167760107	17	50	SH		X	1
CHICOS FAS INC	COM	168615102	3,040	82,615	SH	X		1
CHICOS FAS INC	COM	168615102	7	200	SH		X	1
CHUBB CORP	COM	171232101	14,515	162,092	SH	X		1
CHUBB CORP	COM	171232101	468	5,221	SH		X	1
CHUNGHWA TELECOM CO LTD	SPONSORED ADR	17133Q205	358	19,335	SH	X		1
CINCINNATI FINL CORP	COM	172062101	4,720	112,680	SH	X		1
CINCINNATI FINL CORP	COM	172062101	41	968	SH		X	1
CINERGY CORP	COM	172474108	7,096	159,784	SH	X		1
CINERGY CORP	COM	172474108	68	1,524	SH		X	1
CISCO SYS INC	COM	17275R102	12,343	688,791	SH	X		1
CISCO SYS INC	COM	17275R102	1,721	96,039	SH		X	1
CIRRUS LOGIC INC	COM	172755100	1,581	208,285	SH	X		1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

CINTAS CORP	COM	172908105	440	10,707	SH	X			1
CINTAS CORP	COM	172908105	123	2,997	SH			X	1
CITIGROUP INC	COM	172967101	59,007	1,296,286	SH	X			1
CITIGROUP INC	COM	172967101	4,769	104,761	SH			X	1 6
CITIZENS COMMUNICATIONS	COM	17453B101	16,423	1,212,045	SH	X			1
CITIZENS COMMUNICATIONS	COM	17453B101	29	2,120	SH			X	1 6
CITRIX SYS INC	COM	177376100	590	23,458	SH	X			1
CITRIX SYS INC	COM	177376100	8	329	SH			X	1
CLARCOR INC	COM	179895107	23	790	SH	X			1
CLARCOR INC	COM	179895107	402	14,000	SH			X	1
CLEAR CHANNEL CMMNCTNS	COM	184502102	12,110	368,205	SH	X			1
CLEAR CHANNEL CMMNCTNS	COM	184502102	18	546	SH			X	1
CLOROX CO DEL	COM	189054109	3,488	62,808	SH	X			1
CLOROX CO DEL	COM	189054109	80	1,440	SH			X	1
COACH INC	COM	189754104	3,551	113,242	SH	X			1
COACH INC	COM	189754104	13	407	SH			X	1
COCA COLA CO	COM	191216100	17,887	414,145	SH	X			1
COCA COLA CO	COM	191216100	3,492	80,860	SH			X	1 6
COCA COLA ENTERPRISES	COM	191219104	9,993	512,449	SH	X			1
COCA COLA ENTERPRISES	COM	191219104	3	137	SH			X	1
COGNIZANT TCHNLGY SOL	CL A	192446102	1,477	31,696	SH	X			1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION			OTHER MGRS
						SHR (B)	OTHR (C)	OTHR	
COGNIZANT TCHNLGY SOL	CL A	192446102	15	325	SH			X	1
COLDWATER CREEK INC	COM	193068103	2,597	102,986	SH	X			1
COLGATE PALMOLIVE CO	COM	194162103	9,769	185,049	SH	X			1
COLGATE PALMOLIVE CO	COM	194162103	1,977	37,443	SH			X	1 6
COMCAST CORP NEW	CL A	20030N101	8,676	295,319	SH	X			1
COMCAST CORP NEW	CL A	20030N101	276	9,408	SH			X	1
COMCAST CORP NEW	CL A SPL	20030N200	61	2,129	SH	X			1
COMCAST CORP NEW	CL A SPL	20030N200	431	14,965	SH			X	1
COMERICA INC	COM	200340107	3,064	52,020	SH	X			1
COMERICA INC	COM	200340107	155	2,626	SH			X	1 6
COMMERCE BANCSHARES INC	COM	200525103	309	6,000	SH	X			1
COMMERCE BANCSHARES INC	COM	200525103	27	532	SH			X	1
COMMERCE GROUP INC	COM	200641108	214	3,690	SH			X	1
COMMUNITY HEALTH SYS	COM	203668108	11,054	284,813	SH	X			1
COMMUNITY HEALTH SYS	COM	203668108	15	375	SH			X	1
COMPASS BANCSHARES INC	COM	20449H109	1,418	30,946	SH	X			1
COMPASS BANCSHARES INC	COM	20449H109	29	641	SH			X	1 6
COMPUTER ASSOC INTL INC	COM	204912109	173	6,215	SH	X			1
COMPUTER ASSOC INTL INC	COM	204912109	130	4,689	SH			X	1
COMPUTER SCIENCES CORP	COM	205363104	13,495	285,241	SH	X			1
COMPUTER SCIENCES CORP	COM	205363104	8	170	SH			X	1
COMPUWARE CORP	COM	205638109	2,067	217,540	SH	X			1
COMVERSE TECHNOLOGY INC	COM PAR \$0.10	205862402	2,639	100,451	SH	X			1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

COMVERSE TECHNOLOGY INC	COM PAR \$0.10	205862402	118	4,505	SH		X	1
CONAGRA FOODS INC	COM	205887102	2,084	84,210	SH	X		1
CONAGRA FOODS INC	COM	205887102	81	3,276	SH		X	1 6
CONOCOPHILLIPS	COM	20825C104	18,808	269,036	SH	X		1
CONOCOPHILLIPS	COM	20825C104	423	6,056	SH		X	1
CONSOLIDATED EDISON INC	COM	209115104	2,046	42,138	SH	X		1
CONSOLIDATED EDISON INC	COM	209115104	140	2,879	SH		X	1 6
CONSTELLATION ENERGY	COM	210371100	17,123	277,964	SH	X		1
CONSTELLATION ENERGY	COM	210371100	16	256	SH		X	1
CONTANGO OIL & GAS CO	COM NEW	21075N204	2,257	187,479	SH	X		1
CONVERGYS CORP	COM	212485106	9,013	627,213	SH	X		1
CORNING INC	COM	219350105	2,354	121,776	SH	X		1
CORNING INC	COM	219350105	91	4,685	SH		X	1
COSTCO WHSL CORP NEW	COM	22160K105	569	13,201	SH	X		1
COSTCO WHSL CORP NEW	COM	22160K105	285	6,614	SH		X	1
COSTAR GROUP INC	COM	22160N109	1,215	26,014	SH	X		1
COUNTRYWIDE FINANCIAL CORP	COM	222372104	2,289	69,411	SH	X		1
COUNTRYWIDE FINANCIAL CORP	COM	222372104	148	4,490	SH		X	1
COVANCE INC	COM	222816100	1,965	40,955	SH	X		1
COVANCE INC	COM	222816100	18	379	SH		X	1
COVENTRY HEALTH CARE INC	COM	222862104	180	2,095	SH	X		1
COVENTRY HEALTH CARE INC	COM	222862104	34	395	SH		X	1
CREE INC	COM	225447101	1,515	60,556	SH	X		1
CREE INC	COM	225447101	15	600	SH		X	1
CUMMINS INC	COM	231021106	1,958	22,257	SH	X		1
CUMMINS INC	COM	231021106	12	139	SH		X	1
CUTERA INC	COM	232109108	1,892	72,939	SH	X		1
CYBERONICS INC	COM	23251P102	682	22,847	SH	X		1
CYTYC CORP	COM	232946103	2,484	92,526	SH	X		1
DNP SELECT INCOME FD	COM	23325P104	794	73,899	SH	X		1
DNP SELECT INCOME FD	COM	23325P104	32	3,000	SH		X	1
D R HORTON INC	COM	23331A109	1,108	30,584	SH	X		1
DTE ENERGY CO	COM	233331107	217	4,731	SH	X		1
DTE ENERGY CO	COM	233331107	19	405	SH		X	1
DANAHER CORP DEL	COM	235851102	496	9,207	SH	X		1
DANAHER CORP DEL	COM	235851102	12	226	SH		X	1
DEAN FOODS CO NEW	COM	242370104	248	6,372	SH	X		1
DEAN FOODS CO NEW	COM	242370104	23	587	SH		X	1
DEERE & CO	COM	244199105	308	5,034	SH	X		1
DEERE & CO	COM	244199105	208	3,393	SH		X	1
DEL MONTE FOODS CO	COM	24522P103	11,515	1,073,152	SH	X		1
DELL INC	COM	24702R101	13,121	383,661	SH	X		1
DELL INC	COM	24702R101	2,086	60,995	SH		X	1 6
DENBURY RES INC	COM NEW	247916208	2,950	58,476	SH	X		1
DENTSPLY INTL INC NEW	COM	249030107	158	2,932	SH	X		1
DENTSPLY INTL INC NEW	COM	249030107	43	800	SH		X	1
DESARROLLADORA HOMEX	SPONSORED ADR	25030W100	2,696	87,794	SH	X		1
DEVON ENERGY CORP NEW	COM	25179M103	2,184	31,817	SH	X		1
DEVON ENERGY CORP NEW	COM	25179M103	117	1,703	SH		X	1
DEXCOM INC	COM	252131107	846	72,831	SH	X		1
DIEBOLD INC	COM	253651103	25	729	SH	X		1
DIEBOLD INC	COM	253651103	214	6,200	SH		X	1
DIGITAL INSIGHT CORP	COM	25385P106	1,357	52,077	SH	X		1
DIGITAL INSIGHT CORP	COM	25385P106	7	268	SH		X	1
DISNEY WALT CO	COM DISNEY	254687106	11,229	465,353	SH	X		1
DISNEY WALT CO	COM DISNEY	254687106	1,287	53,336	SH		X	1
DOLLAR GEN CORP	COM	256669102	1,127	61,427	SH	X		1
DOLLAR GEN CORP	COM	256669102	20	1,066	SH		X	1
DOMINION RES INC VA NEW	COM	25746U109	5,462	63,406	SH	X		1
DOMINION RES INC VA NEW	COM	25746U109	159	1,849	SH		X	1 6
DONNELLEY R R & SONS CO	COM	257867101	17,199	463,973	SH	X		1
DONNELLEY R R & SONS CO	COM	257867101	63	1,708	SH		X	1 6

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

DOVER CORP	COM	260003108	128	3,148 SH	X			1
DOVER CORP	COM	260003108	288	7,055 SH			X	1
DOW CHEM CO	COM	260543103	14,227	341,411 SH	X			1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 12/31/2005

- - - - 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 DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS
DOW CHEM CO	COM	260543103	769	18,447 SH			X	1 6
DOW JONES & CO INC	COM	260561105	690	18,059 SH	X			1
DOW JONES & CO INC	COM	260561105	19	498 SH			X	1
DU PONT E I DE NEMOURS	COM	263534109	9,060	231,292 SH	X			1
DU PONT E I DE NEMOURS	COM	263534109	1,134	28,963 SH			X	1 6
DUKE ENERGY CORP	COM	264399106	6,848	234,758 SH	X			1
DUKE ENERGY CORP	COM	264399106	232	7,937 SH			X	1 6
DUN & BRADSTREET CORP	COM	26483E100	251	3,811 SH	X			1
EDP ENERGIAS DE PORTGL	SPONSORED ADR	268353109	339	12,168 SH			X	1
E M C CORP MASS	COM	268648102	735	56,766 SH	X			1
E M C CORP MASS	COM	268648102	28	2,160 SH			X	1
ENSCO INTL INC	COM	26874Q100	10,469	224,712 SH	X			1
ENSCO INTL INC	COM	26874Q100	1,050	22,529 SH			X	1
ENI S P A	SPONSORED ADR	26874R108	4	30 SH	X			1
ENI S P A	SPONSORED ADR	26874R108	350	2,361 SH			X	1
EOG RES INC	COM	26875P101	3,014	40,246 SH	X			1
EOG RES INC	COM	26875P101	90	1,200 SH			X	1
E TRADE FINANCIAL CORP	COM	269246104	269	15,298 SH	X			1
E TRADE FINANCIAL CORP	COM	269246104	5	274 SH			X	1
EASTMAN CHEM CO	COM	277432100	2,019	42,976 SH	X			1
EASTMAN CHEM CO	COM	277432100	35	753 SH			X	1 6
EASTMAN KODAK CO	COM	277461109	2,176	89,428 SH	X			1
EASTMAN KODAK CO	COM	277461109	6	239 SH			X	1
EATON CORP	COM	278058102	457	7,188 SH	X			1
EATON CORP	COM	278058102	391	6,150 SH			X	1
EATON VANCE LTD DRTN	COM	27828H105	267	15,520 SH	X			1
EBAY INC	COM	278642103	1,489	36,139 SH	X			1
EBAY INC	COM	278642103	275	6,680 SH			X	1
ECOLAB INC	COM	278865100	921	28,830 SH	X			1
ECOLAB INC	COM	278865100	336	10,509 SH			X	1
EDISON INTL	COM	281020107	2,820	59,636 SH	X			1
EDISON INTL	COM	281020107	95	2,016 SH			X	1
EDWARDS LIFESCIENCES	COM	28176E108	862	19,403 SH	X			1
EDWARDS LIFESCIENCES	COM	28176E108	38	845 SH			X	1
EDWARDS AG INC	COM	281760108	1,203	27,463 SH	X			1
ELECTRONIC ARTS INC	COM	285512109	3,841	67,514 SH	X			1
ELECTRONIC ARTS INC	COM	285512109	230	4,046 SH			X	1 6
EMAGEON INC	COM	29076V109	1,129	83,236 SH	X			1
EMERSON ELEC CO	COM	291011104	4,930	68,663 SH	X			1
EMERSON ELEC CO	COM	291011104	3,143	43,772 SH			X	1 6
ENBRIDGE ENERGY PRNRS	COM	29250R106	252	4,536 SH	X			1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ENBRIDGE ENERGY PRTRNS	COM	29250R106	6	100	SH		X	1
ENCANA CORP	COM	292505104	47	800	SH	X		1
ENCANA CORP	COM	292505104	224	3,841	SH		X	1
ENCYSIVE PHARMACEUTICAL	COM	29256X107	796	67,546	SH	X		1
ENDEAVOUR INTL CORP	COM	29259G101	1,172	234,306	SH	X		1
ENERGY EAST CORP	COM	29266M109	1,522	60,430	SH	X		1
ENERGY EAST CORP	COM	29266M109	71	2,823	SH		X	1
ENERGIZER HLDGS INC	COM	29266R108	136	2,396	SH	X		1
ENERGIZER HLDGS INC	COM	29266R108	76	1,343	SH		X	1
ENGINEERED SUPPORT SYS	COM	292866100	226	5,519	SH	X		1
ENGINEERED SUPPORT SYS	COM	292866100	46	1,125	SH		X	1
ENTRUST INC	COM	293848107	1,195	213,477	SH	X		1
EQUIFAX INC	COM	294429105	447	12,801	SH	X		1
EQUIFAX INC	COM	294429105	16	463	SH		X	1
EQUITY INV FD	UT 1 EX SR-ATT	294700703	215	2,729	SH	X		1
EQUITY OFFICE PRPRTS	COM	294741103	2,093	63,993	SH	X		1
EQUITY OFFICE PRPRTS	COM	294741103	78	2,384	SH		X	1
EQUITY RESIDENTIAL	SH BEN INT	29476L107	1,807	47,729	SH	X		1
EQUITY RESIDENTIAL	SH BEN INT	29476L107	41	1,080	SH		X	1
ERICSSON L M TEL CO	ADR B SEK 10	294821608	6,524	177,088	SH	X		1
ERICSSON L M TEL CO	ADR B SEK 10	294821608	545	14,800	SH		X	1
EXELON CORP	COM	30161N101	6,413	119,997	SH	X		1
EXELON CORP	COM	30161N101	172	3,219	SH		X	1
EXPEDITORS INTL WASH	COM	302130109	221	3,890	SH	X		1
EXPLORATION CO	COM NEW	302133202	2,999	416,569	SH	X		1
EXPRESS SCRIPTS INC	COM	302182100	2,153	34,622	SH	X		1
EXPRESS SCRIPTS INC	COM	302182100	14	230	SH		X	1
EXXON MOBIL CORP	COM	30231G102	92,393	1,454,097	SH	X		1
EXXON MOBIL CORP	COM	30231G102	20,489	322,458	SH		X	1
FLIR SYS INC	COM	302445101	2,174	73,533	SH	X		1
FPL GROUP INC	COM	302571104	4,403	92,505	SH	X		1
FPL GROUP INC	COM	302571104	732	15,374	SH		X	1
FAIR ISAAC CORP	COM	303250104	2,424	54,110	SH	X		1
FALCONBRIDGE LTD NEW	COM	306104100	246	9,219	SH		X	1
FASTENAL CO	COM	311900104	984	16,104	SH	X		1
FASTENAL CO	COM	311900104	31	500	SH		X	1
FEDERAL HOME LN MTG	COM	313400301	13,000	230,255	SH	X		1
FEDERAL HOME LN MTG	COM	313400301	1,108	19,626	SH		X	1
FEDERAL NATL MTG ASSN	COM	313586109	2,441	54,459	SH	X		1
FEDERAL NATL MTG ASSN	COM	313586109	861	19,205	SH		X	1
FEDERATED DEPT STORES	COM	31410H101	1,293	19,335	SH	X		1
FEDERATED DEPT STORES	COM	31410H101	98	1,472	SH		X	1
FEDEX CORP	COM	31428X106	4,097	47,018	SH	X		1
FEDEX CORP	COM	31428X106	624	7,159	SH		X	1
FIFTH THIRD BANCORP	COM	316773100	4,230	115,097	SH	X		1
FIFTH THIRD BANCORP	COM	316773100	622	16,920	SH		X	1
FIRST DATA CORP	COM	319963104	925	23,136	SH	X		1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

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

INVESTMENT DISCRETION

TITLE OF MARKET VALUE SHRS OR SH/PUT/SOLE SHR OTHER OTHER

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

NAME OF ISSUER	CLASS	CUSIP	(X\$1000)	PRN	AMT	PRN CALL(A)	(B)	(C)	MGRS
FIRST DATA CORP	COM	319963104	395	9,881	SH			X	1
FIRST HORIZON NATL CORP	COM	320517105	5,605	154,201	SH	X			1
FIRST HORIZON NATL CORP	COM	320517105	141	3,878	SH			X	1
1ST SOURCE CORP	COM	336901103	1,138	49,140	SH			X	1
FISERV INC	COM	337738108	7,666	167,120	SH	X			1
FISERV INC	COM	337738108	516	11,244	SH			X	1
FIRSTENERGY CORP	COM	337932107	2,801	53,747	SH	X			1
FIRSTENERGY CORP	COM	337932107	62	1,194	SH			X	1
FISHER SCIENTIFIC INTL	COM NEW	338032204	3,117	50,235	SH	X			1
FISHER SCIENTIFIC INTL	COM NEW	338032204	8	123	SH			X	1
FORD MTR CO DEL	COM PAR \$0.01	345370860	2,017	204,600	SH	X			1
FORD MTR CO DEL	COM PAR \$0.01	345370860	320	32,496	SH			X	1
FOREST LABS INC	COM	345838106	1,488	38,179	SH	X			1
FOREST LABS INC	COM	345838106	425	10,910	SH			X	1
FORRESTER RESH INC	COM	346563109	1,681	80,720	SH	X			1
FORTUNE BRANDS INC	COM	349631101	2,987	36,721	SH	X			1
FORTUNE BRANDS INC	COM	349631101	383	4,714	SH			X	1
FRANKLIN RES INC	COM	354613101	317	3,770	SH	X			1
FRANKLIN RES INC	COM	354613101	157	1,865	SH			X	1
FREEPORT-MCMORAN COPPER	CL B	35671D857	2,212	45,528	SH	X			1
FREEPORT-MCMORAN COPPER	CL B	35671D857	27	548	SH			X	1
FREESCALE SEMICONDUCTOR	CL B	35687M206	6,933	294,023	SH	X			1
FREESCALE SEMICONDUCTOR	CL B	35687M206	36	1,512	SH			X	1
FREIGHTCAR AMER INC	COM	357023100	1,487	36,467	SH	X			1
FUJI PHOTO FILM LTD	ADR	359586302	306	9,233	SH			X	1
FURNITURE BRANDS INTL	COM	360921100	11,458	635,482	SH	X			1
GALLAHER GROUP PLC	SPONSORED ADR	363595109	324	5,220	SH	X			1
GALLAHER GROUP PLC	SPONSORED ADR	363595109	50	800	SH			X	1
GANNETT INC	COM	364730101	7,059	102,555	SH	X			1
GANNETT INC	COM	364730101	726	10,545	SH			X	1
GAP INC DEL	COM	364760108	875	50,196	SH	X			1
GAP INC DEL	COM	364760108	512	29,391	SH			X	1
GASCO ENERGY INC	COM	367220100	3,461	520,497	SH	X			1
GEHL CO	COM	368483103	669	24,000	SH			X	1
GEN-PROBE INC NEW	COM	36866T103	1,786	36,123	SH	X			1
GENENTECH INC	COM NEW	368710406	2,855	33,900	SH	X			1
GENENTECH INC	COM NEW	368710406	866	10,278	SH			X	1
GENERAL COMMUNICATION	CL A	369385109	219	22,159	SH	X			1
GENERAL DYNAMICS CORP	COM	369550108	804	6,726	SH	X			1
GENERAL DYNAMICS CORP	COM	369550108	15	124	SH			X	1
GENERAL ELEC CO	COM	369604103	78,613	2,334,804	SH	X			1
GENERAL ELEC CO	COM	369604103	15,523	461,031	SH			X	1
GENERAL MLS INC	COM	370334104	2,238	46,425	SH	X			1
GENERAL MLS INC	COM	370334104	829	17,198	SH			X	1
GENERAL MTRS CORP	COM	370442105	928	30,309	SH	X			1
GENERAL MTRS CORP	COM	370442105	161	5,263	SH			X	1
GENUINE PARTS CO	COM	372460105	1,557	36,287	SH	X			1
GENUINE PARTS CO	COM	372460105	113	2,633	SH			X	1
GENZYME CORP	COM	372917104	1,539	21,481	SH	X			1
GENZYME CORP	COM	372917104	13	187	SH			X	1
GEORGIA PAC CORP	COM	373298108	11,067	324,915	SH	X			1
GEORGIA PAC CORP	COM	373298108	389	11,425	SH			X	1
GILEAD SCIENCES INC	COM	375558103	4,115	84,400	SH	X			1
GILEAD SCIENCES INC	COM	375558103	34	691	SH			X	1
GILLETTE CO	COM	375766102	15,954	274,127	SH	X			1
GILLETTE CO	COM	375766102	2,235	38,410	SH			X	1
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	1,030	20,093	SH	X			1
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	883	17,213	SH			X	1
GLENAYRE TECHNOLOGIES	COM	377899109	36	10,000	SH	X			1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

GOLDEN WEST FINL CORP	COM	381317106	434	7,303	SH	X			1
GOLDEN WEST FINL CORP	COM	381317106	60	1,004	SH			X	1
GOLDMAN SACHS GROUP INC	COM	38141G104	24,058	197,878	SH	X			1
GOLDMAN SACHS GROUP INC	COM	38141G104	1,741	14,316	SH			X	1
GOODRICH CORP	COM	382388106	2,610	58,864	SH	X			1
GOODRICH CORP	COM	382388106	0	9	SH			X	1
GOODYEAR TIRE & RUBR CO	COM	382550101	1,082	69,374	SH	X			1
GRAINGER W W INC	COM	384802104	10,000	158,929	SH	X			1
GRAINGER W W INC	COM	384802104	76	1,200	SH			X	1
GREAT PLAINS ENERGY INC	COM	391164100	384	12,840	SH	X			1
GREAT PLAINS ENERGY INC	COM	391164100	12	400	SH			X	1
GREAT WOLF RESORTS INC	COM	391523107	3	300	SH	X			1
GREAT WOLF RESORTS INC	COM	391523107	103	10,000	SH			X	1
GREATER BAY BANCORP	COM	391648102	9	364	SH	X			1
GREATER BAY BANCORP	COM	391648102	246	10,000	SH			X	1
GREENHILL & CO INC	COM	395259104	1,510	36,224	SH	X			1
GTECH HLDGS CORP	COM	400518106	3,275	102,138	SH	X			1
GTECH HLDGS CORP	COM	400518106	212	6,628	SH			X	1
GUIDANT CORP	COM	401698105	1,197	17,373	SH	X			1
GUIDANT CORP	COM	401698105	201	2,922	SH			X	1
HCA INC	COM	404119109	5,183	108,161	SH	X			1
HCA INC	COM	404119109	272	5,667	SH			X	1
HNI CORP	COM	404251100	944	15,678	SH	X			1
HSBC HLDGS PLC	SPON ADR NEW	404280406	509	6,266	SH	X			1
HSBC HLDGS PLC	SPON ADR NEW	404280406	624	7,676	SH			X	1
HAEMONETICS CORP	COM	405024100	2,425	51,018	SH	X			1
HALLIBURTON CO	COM	406216101	2,427	35,421	SH	X			1
HALLIBURTON CO	COM	406216101	281	4,103	SH			X	1
HARLEY DAVIDSON INC	COM	412822108	12,134	250,488	SH	X			1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION			
						SHR (B)	OTHR (C)	OTHR MGRS	
HARLEY DAVIDSON INC	COM	412822108	2,136	44,096	SH			X	1
HARRAHS ENTMT INC	COM	413619107	1,628	24,978	SH	X			1
HARRAHS ENTMT INC	COM	413619107	21	316	SH			X	1
HARRIS CORP DEL	COM	413875105	590	14,118	SH	X			1
HARRIS CORP DEL	COM	413875105	15	350	SH			X	1
HARSCO CORP	COM	415864107	1,031	15,727	SH	X			1
HARTFORD FINL SVCS GRP	COM	416515104	3,232	41,878	SH	X			1
HARTFORD FINL SVCS GRP	COM	416515104	232	3,008	SH			X	1
HAWAIIAN ELEC INDSTRS	COM	419870100	225	8,067	SH	X			1
HEALTH MGMT ASSOC INC	CL A	421933102	157	6,675	SH	X			1
HEALTH MGMT ASSOC INC	CL A	421933102	245	10,419	SH			X	1
HEALTH EXTRAS INC	COM	422211102	269	12,600	SH	X			1
HEARTLAND FINL USA INC	COM	42234Q102	233	11,979	SH	X			1
HEARTLAND PMT SYS INC	COM	42235N108	745	31,240	SH	X			1
HEINZ H J CO	COM	423074103	3,394	92,897	SH	X			1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

HEINZ H J CO	COM	423074103	518	14,183	SH		X	1	6
HERCULES INC	COM	427056106	123	10,041	SH	X		1	
HERCULES INC	COM	427056106	5	373	SH		X	1	
HERSHEY CO	COM	427866108	856	15,209	SH	X		1	
HERSHEY CO	COM	427866108	157	2,781	SH		X	1	
HEWLETT PACKARD CO	COM	428236103	6,740	230,824	SH	X		1	
HEWLETT PACKARD CO	COM	428236103	995	34,069	SH		X	1	
HIBERNIA CORP	CL A	428656102	231	7,684	SH	X		1	
HILB ROGAL & HOBBS CO	COM	431294107	246	6,582	SH	X		1	
HILTON HOTELS CORP	COM	432848109	2,571	115,206	SH	X		1	
HILTON HOTELS CORP	COM	432848109	50	2,256	SH		X	1	
HOME DEPOT INC	COM	437076102	10,104	264,913	SH	X		1	
HOME DEPOT INC	COM	437076102	1,019	26,727	SH		X	1	
HOMESTORE INC	COM	437852106	1,405	322,944	SH	X		1	
HONEYWELL INTL INC	COM	438516106	1,264	33,716	SH	X		1	
HONEYWELL INTL INC	COM	438516106	425	11,337	SH		X	1	
HOSPIRA INC	COM	441060100	791	19,319	SH	X		1	
HOSPIRA INC	COM	441060100	42	1,015	SH		X	1	
HOUSTON EXPL CO	COM	442120101	471	7,000	SH	X		1	
HOUSTON EXPL CO	COM	442120101	24	351	SH		X	1	
HUBBELL INC	CL B	443510201	4,195	89,394	SH	X		1	
HUDSON HIGHLAND GROUP	COM	443792106	1,949	78,103	SH	X		1	
HUDSON UNITED BANCORP	COM	444165104	320	7,562	SH	X		1	
HUMANA INC	COM	444859102	2,795	58,379	SH	X		1	
HUMANA INC	COM	444859102	36	746	SH		X	1	
HUNT J B TRANS SVCS INC	COM	445658107	9,933	522,503	SH	X		1	
HUNT J B TRANS SVCS INC	COM	445658107	2	100	SH		X	1	
HUNTINGTON BANCSHARES	COM	446150104	1,519	67,597	SH	X		1	
HUNTINGTON BANCSHARES	COM	446150104	33	1,488	SH		X	1	6
I-FLOW CORP	COM NEW	449520303	1,179	85,970	SH	X		1	
IMS HEALTH INC	COM	449934108	360	14,285	SH	X		1	
IMS HEALTH INC	COM	449934108	87	3,448	SH		X	1	
ITT EDUCATIONAL SRVCS	COM	45068B109	264	5,357	SH	X		1	
ITT INDS INC IND	COM	450911102	2,013	17,718	SH	X		1	
ITT INDS INC IND	COM	450911102	60	526	SH		X	1	
ILLINOIS TOOL WKS INC	COM	452308109	2,633	31,975	SH	X		1	
ILLINOIS TOOL WKS INC	COM	452308109	2,242	27,229	SH		X	1	
IMATION CORP	COM	45245A107	10,326	240,876	SH	X		1	
IMAX CORP	COM	45245E109	3,152	302,193	SH	X		1	
INDUS INTL INC	COM	45578L100	214	80,000	SH	X		1	
ING GROEP N V	SPONSORED ADR	456837103	137	4,615	SH	X		1	
ING GROEP N V	SPONSORED ADR	456837103	414	13,911	SH		X	1	
INTEL CORP	COM	458140100	22,468	911,470	SH	X		1	
INTEL CORP	COM	458140100	5,302	215,101	SH		X	1	6
INTRNTNL BUSINESS MACH	COM	459200101	20,212	251,957	SH	X		1	
INTRNTNL BUSINESS MACH	COM	459200101	4,427	55,188	SH		X	1	6
INTRNTNL GAME TECH	COM	459902102	615	22,778	SH	X		1	
INTRNTNL GAME TECH	COM	459902102	9	331	SH		X	1	
INTL PAPER CO	COM	460146103	2,601	87,291	SH	X		1	
INTL PAPER CO	COM	460146103	200	6,723	SH		X	1	6
INTERNATIONAL RECTIFIER	COM	460254105	1,017	22,570	SH	X		1	
INTERPUBLIC GROUP COS	COM	460690100	10,548	906,184	SH	X		1	
INVITROGEN CORP	COM	46185R100	2,128	28,284	SH	X		1	
INVITROGEN CORP	COM	46185R100	17	224	SH		X	1	
ISHARES INC	MSCI JAPAN	464286848	1,115	91,496	SH	X		1	
ISHARES TR	DJ SEL DIV INX	464287168	1,376	22,095	SH	X		1	
ISHARES TR	DJ SEL DIV INX	464287168	321	5,150	SH		X	1	
ISHARES TR	S&P 500 INDEX	464287200	15,792	128,394	SH	X		1	
ISHARES TR	S&P 500 INDEX	464287200	624	5,073	SH		X	1	
ISHARES TR	S&P500/BAR GRW	464287309	2,456	41,920	SH	X		1	
ISHARES TR	S&P500/BAR GRW	464287309	28	470	SH		X	1	
ISHARES TR	S&P500/BAR VAL	464287408	1,292	20,148	SH	X		1	

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ISHARES TR	S&P500/BAR VAL	464287408	62	961 SH			X	1
ISHARES TR	MSCI EAFE IDX	464287465	18,164	312,632 SH	X			1
ISHARES TR	MSCI EAFE IDX	464287465	2,448	42,131 SH			X	1
ISHARES TR	S&P MIDCAP 400	464287507	11,367	158,274 SH	X			1
ISHARES TR	S&P MIDCAP 400	464287507	695	9,672 SH			X	1
ISHARES TR	RUSSELL1000VAL	464287598	2,991	43,448 SH	X			1
ISHARES TR	S&P MIDCP GROW	464287606	705	9,760 SH	X			1
ISHARES TR	RUSSELL1000GRW	464287614	2,907	58,400 SH	X			1
ISHARES TR	RUSSELL 1000	464287622	421	6,289 SH	X			1
ISHARES TR	RUSL 2000 VALU	464287630	530	8,041 SH	X			1
ISHARES TR	RUSL 2000 VALU	464287630	13	204 SH			X	1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 12/31/2005

- - - 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 DISCRETION				
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
ISHARES TR	RUSL 2000 GROW	464287648	579	8,420 SH	X				1
ISHARES TR	RUSSELL 2000	464287655	9,231	139,046 SH	X				1
ISHARES TR	RUSSELL 2000	464287655	1,146	17,265 SH			X		1
ISHARES TR	S&P MIDCP VALU	464287705	4,267	60,950 SH	X				1
ISHARES TR	S&P MIDCP VALU	464287705	458	6,536 SH			X		1
ISHARES TR	DJ US TECH SEC	464287721	1,752	36,011 SH	X				1
ISHARES TR	DJ US REAL EST	464287739	257	4,000 SH			X		1
ISHARES TR	DJ US INDUSTRI	464287754	327	5,860 SH	X				1
ISHARES TR	DJ US INDUSTRI	464287754	5	95 SH			X		1
ISHARES TR	DJ US HEALTHCR	464287762	1,956	31,452 SH	X				1
ISHARES TR	DJ US HEALTHCR	464287762	44	702 SH			X		1
ISHARES TR	DJ US FINL SVC	464287770	719	6,790 SH	X				1
ISHARES TR	DJ US FINL SVC	464287770	6	55 SH			X		1
ISHARES TR	DJ US ENERGY	464287796	344	3,772 SH	X				1
ISHARES TR	S&P SMLCAP 600	464287804	2,574	44,559 SH	X				1
ISHARES TR	S&P SMLCAP 600	464287804	171	2,955 SH			X		1
ISHARES TR	S&P SMLCP VALU	464287879	452	7,080 SH	X				1
JPMORGAN & CHASE & CO	COM	46625H100	32,806	966,885 SH	X				1
JPMORGAN & CHASE & CO	COM	46625H100	3,649	107,556 SH			X		1 6
JABIL CIRCUIT INC	COM	466313103	2,626	84,923 SH	X				1
JABIL CIRCUIT INC	COM	466313103	6	193 SH			X		1
JACOBS ENGR GROUP INC	COM	469814107	2,427	36,015 SH	X				1
JARDEN CORP	COM	471109108	4,225	102,863 SH	X				1
JEFFERSON PILOT CORP	COM	475070108	1,568	30,636 SH	X				1
JEFFERSON PILOT CORP	COM	475070108	94	1,837 SH			X		1 6
JOHNSON & JOHNSON	COM	478160104	36,762	580,934 SH	X				1
JOHNSON & JOHNSON	COM	478160104	7,161	113,170 SH			X		1 6
JOHNSON CTLS INC	COM	478366107	14,702	236,933 SH	X				1
JOHNSON CTLS INC	COM	478366107	1,367	22,032 SH			X		1
JOS A BANK CLOTHIERS	COM	480838101	1,649	38,154 SH	X				1
JOS A BANK CLOTHIERS	COM	480838101	22	510 SH			X		1
JOURNAL COMMUNICATIONS	CL A	481130102	574	38,500 SH	X				1
JOURNAL COMMUNICATIONS	CL A	481130102	4	300 SH			X		1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

JOY GLOBAL INC	COM	481165108	3,391	67,207	SH	X		1
JOY GLOBAL INC	COM	481165108	18	360	SH		X	1
KLA-TENCOR CORP	COM	482480100	319	6,552	SH	X		1
KLA-TENCOR CORP	COM	482480100	4	84	SH		X	1
KT CORP	SPONSORED ADR	48268K101	452	20,089	SH		X	1
KAYNE ANDERSON MLP	COM	486606106	5,311	189,288	SH	X		1
KB HOME	COM	48666K109	421	5,747	SH	X		1
KB HOME	COM	48666K109	22	305	SH		X	1
KELLOGG CO	COM	487836108	2,112	45,789	SH	X		1
KELLOGG CO	COM	487836108	5,564	120,618	SH		X	1
KENEXA CORP	COM	488879107	1,369	109,328	SH	X		1
KENNAMETAL INC	COM	489170100	1,560	31,816	SH	X		1
KENNAMETAL INC	COM	489170100	99	2,028	SH		X	1
KERR MCGEE CORP	COM	492386107	3,570	36,766	SH	X		1
KERR MCGEE CORP	COM	492386107	242	2,493	SH		X	1
KEYCORP NEW	COM	493267108	6,920	214,583	SH	X		1
KEYCORP NEW	COM	493267108	55	1,701	SH		X	1
KEYSPAN CORP	COM	49337W100	5,166	140,463	SH	X		1
KEYSPAN CORP	COM	49337W100	58	1,587	SH		X	1
KIMBERLY CLARK CORP	COM	494368103	31,958	536,839	SH	X		1
KIMBERLY CLARK CORP	COM	494368103	4,845	81,385	SH		X	1
KINDER MORGAN INC KANS	COM	49455P101	3,433	35,698	SH	X		1
KINDER MORGAN INC KANS	COM	49455P101	49	508	SH		X	1
KINDER MORGAN MNGMNT	SHS	49455U100	3,897	78,628	SH	X		1
KINDR MRGN ENRGY PRTRN	UT LTD PARTNER	494550106	830	15,704	SH	X		1
KINDR MRGN ENRGY PRTRN	UT LTD PARTNER	494550106	329	6,226	SH		X	1
KINETIC CONCEPTS INC	COM NEW	49460W208	1,732	30,501	SH	X		1
KIRIN BREWERY LTD	SPONSORED ADR	497350306	377	34,071	SH		X	1
KOHL'S CORP	COM	500255104	16,507	328,952	SH	X		1
KOHL'S CORP	COM	500255104	2,528	50,370	SH		X	1
KOMAG INC	COM NEW	500453204	832	26,038	SH	X		1
KOREA ELECTRIC PWR	SPONSORED ADR	500631106	222	12,508	SH		X	1
KROGER CO	COM	501044101	11,507	558,860	SH	X		1
KROGER CO	COM	501044101	2	80	SH		X	1
LHC GROUP INC	COM	50187A107	1,531	99,099	SH	X		1
L-3 COMMUNICATNS HLDGS	COM	502424104	5,534	69,993	SH	X		1
L-3 COMMUNICATNS HLDGS	COM	502424104	29	365	SH		X	1
LAM RESEARCH CORP	COM	512807108	3,694	121,222	SH	X		1
LAMAR ADVERTISING CO	CL A	512815101	923	20,359	SH	X		1
LAUDER ESTEE COS INC	CL A	518439104	5,857	168,169	SH	X		1
LAUDER ESTEE COS INC	CL A	518439104	703	20,187	SH		X	1
LAUREATE EDUCATION INC	COM	518613104	947	19,332	SH	X		1
LEE ENTERPRISES INC	COM	523768109	2,340	55,074	SH	X		1
LEGG MASON INC	COM	524901105	1,120	10,209	SH	X		1
LEGG MASON INC	COM	524901105	139	1,267	SH		X	1
LEHMAN BROS HLDGS INC	COM	524908100	10,911	93,671	SH	X		1
LEHMAN BROS HLDGS INC	COM	524908100	40	343	SH		X	1
LEXMARK INTL NEW	CL A	529771107	5,701	93,384	SH	X		1
LEXMARK INTL NEW	CL A	529771107	842	13,785	SH		X	1
LIBERTY MEDIA CORP NEW	COM SER A	530718105	41	5,077	SH	X		1
LIBERTY MEDIA CORP NEW	COM SER A	530718105	344	42,760	SH		X	1
LIFECCELL CORP	COM	531927101	1,352	62,485	SH	X		1
LIFE TIME FITNESS INC	COM	53217R207	2,586	78,019	SH	X		1
LILLY ELI & CO	COM	532457108	9,354	174,775	SH	X		1
LILLY ELI & CO	COM	532457108	1,632	30,491	SH		X	1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

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

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			OTHER MGRS
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	
LIMITED BRANDS INC	COM	532716107	1,538	75,292	SH	X		1
LIMITED BRANDS INC	COM	532716107	36	1,754	SH		X	1 6
LINCOLN NATL CORP IND	COM	534187109	2,342	45,029	SH	X		1
LINCOLN NATL CORP IND	COM	534187109	561	10,791	SH		X	1
LINEAR TECHNOLOGY CORP	COM	535678106	593	15,775	SH	X		1
LINEAR TECHNOLOGY CORP	COM	535678106	16	438	SH		X	1
LIZ CLAIBORNE INC	COM	539320101	11,922	303,209	SH	X		1
LIZ CLAIBORNE INC	COM	539320101	262	6,672	SH		X	1
LOCKHEED MARTIN CORP	COM	539830109	2,447	40,084	SH	X		1
LOCKHEED MARTIN CORP	COM	539830109	320	5,246	SH		X	1 6
LOEWS CORP	COM	540424108	262	2,833	SH	X		1
LOEWS CORP	COM	540424108	41	448	SH		X	1
LONGVIEW FIBRE CO	COM	543213102	526	27,002	SH	X		1
LOUISIANA PAC CORP	COM	546347105	317	11,460	SH	X		1
LOUISIANA PAC CORP	COM	546347105	10	357	SH		X	1
LOWES COS INC	COM	548661107	14,177	220,145	SH	X		1
LOWES COS INC	COM	548661107	1,548	24,037	SH		X	1 6
LUCENT TECHNOLOGIES INC	COM	549463107	53	16,199	SH	X		1
LUCENT TECHNOLOGIES INC	COM	549463107	42	12,920	SH		X	1
LYONDELL CHEMICAL CO	COM	552078107	4,636	161,982	SH	X		1
LYONDELL CHEMICAL CO	COM	552078107	6	215	SH		X	1
MBIA INC	COM	55262C100	222	3,666	SH	X		1
MBIA INC	COM	55262C100	306	5,053	SH		X	1
MBNA CORP	COM	55262L100	883	35,847	SH	X		1
MBNA CORP	COM	55262L100	424	17,192	SH		X	1
M D C HLDGS INC	COM	552676108	954	12,093	SH	X		1
M D C HLDGS INC	COM	552676108	17	220	SH		X	1
MDU RES GROUP INC	COM	552690109	3,946	110,700	SH	X		1
MDU RES GROUP INC	COM	552690109	238	6,678	SH		X	1
MEMC ELECTR MATLS INC	COM	552715104	1,196	52,495	SH	X		1
MEMC ELECTR MATLS INC	COM	552715104	12	505	SH		X	1
MGE ENERGY INC	COM	55277P104	2,455	67,248	SH	X		1
MGE ENERGY INC	COM	55277P104	153	4,185	SH		X	1
MGIC INVT CORP WIS	COM	552848103	11,948	186,110	SH	X		1
MGIC INVT CORP WIS	COM	552848103	515	8,026	SH		X	1
MADISON / CLAYMORE CVRD	COM	556582104	190	13,000	SH	X		1
MAIDENFORM BRANDS INC	COM	560305104	1,144	83,214	SH	X		1
MANITOWOC INC	COM	563571108	1,502	29,881	SH	X		1
MANPOWER INC	COM	56418H100	16,271	366,547	SH	X		1
MANPOWER INC	COM	56418H100	308	6,937	SH		X	1 6
MARATHON OIL CORP	COM	565849106	4,136	59,998	SH	X		1
MARATHON OIL CORP	COM	565849106	144	2,095	SH		X	1
MARCUS CORP	COM	566330106	12	586	SH	X		1
MARCUS CORP	COM	566330106	408	20,350	SH		X	1
MARSH & MCLENNAN COS	COM	571748102	232	7,633	SH	X		1
MARSH & MCLENNAN COS	COM	571748102	14	470	SH		X	1 6
MARSHALL & ILSLEY CORP	COM	571834100	181,274	4,166,270	SH	X		1
MARSHALL & ILSLEY CORP	COM	571834100	71,380	1,640,544	SH		X	1 6
MARRIOTT INTL INC NEW	CL A	571903202	1,056	16,769	SH	X		1
MARRIOTT INTL INC NEW	CL A	571903202	78	1,243	SH		X	1
MASCO CORP	COM	574599106	981	31,983	SH	X		1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

MASCO CORP	COM	574599106	4	139	SH			X	1
MATRIA HEALTHCARE INC	COM NEW	576817209	2,167	57,395	SH	X			1
MATSUSHITA ELEC INDL	ADR	576879209	0	23	SH	X			1
MATSUSHITA ELEC INDL	ADR	576879209	347	20,299	SH			X	1
MATTEL INC	COM	577081102	10,865	651,357	SH	X			1
MAXIM INTEGRATED PRODS	COM	57772K101	1,595	37,406	SH	X			1
MAXIM INTEGRATED PRODS	COM	57772K101	7	153	SH			X	1
MCAFEE INC	COM	579064106	2,387	75,970	SH	X			1
MCAFEE INC	COM	579064106	10	325	SH			X	1
MCCORMICK & CO INC	COM NON VTG	579780206	256	7,845	SH	X			1
MCCORMICK & CO INC	COM NON VTG	579780206	8	232	SH			X	1
MCDONALDS CORP	COM	580135101	3,999	119,423	SH	X			1
MCDONALDS CORP	COM	580135101	1,731	51,688	SH			X	1
MCGRAW HILL COS INC	COM	580645109	6,387	132,953	SH	X			1
MCGRAW HILL COS INC	COM	580645109	372	7,750	SH			X	1
MEADWESTVACO CORP	COM	583334107	963	34,879	SH	X			1
MEADWESTVACO CORP	COM	583334107	501	18,157	SH			X	1
MEDCO HEALTH SOLUTIONS	COM	58405U102	736	13,417	SH	X			1
MEDCO HEALTH SOLUTIONS	COM	58405U102	208	3,801	SH			X	1
MEDIMMUNE INC	COM	584699102	5,383	159,981	SH	X			1
MEDIMMUNE INC	COM	584699102	599	17,797	SH			X	1
MEDTRONIC INC	COM	585055106	13,334	248,679	SH	X			1
MEDTRONIC INC	COM	585055106	1,537	28,670	SH			X	1
MELLON FINL CORP	COM	58551A108	229	7,172	SH	X			1
MELLON FINL CORP	COM	58551A108	20	612	SH			X	1
MERCANTILE BANKSHARES	COM	587405101	32	603	SH	X			1
MERCANTILE BANKSHARES	COM	587405101	431	8,000	SH			X	1
MERCK & CO INC	COM	589331107	19,536	717,983	SH	X			1
MERCK & CO INC	COM	589331107	2,710	99,582	SH			X	1
MEREDITH CORP	COM	589433101	533	10,689	SH	X			1
MEREDITH CORP	COM	589433101	23	467	SH			X	1
MERRILL LYNCH & CO INC	COM	590188108	15,851	258,374	SH	X			1
MERRILL LYNCH & CO INC	COM	590188108	98	1,594	SH			X	1
METLIFE INC	COM	59156R108	3,006	60,331	SH	X			1
METLIFE INC	COM	59156R108	86	1,732	SH			X	1
MICHAELS STORES INC	COM	594087108	1,319	39,906	SH	X			1
MICHAELS STORES INC	COM	594087108	10	300	SH			X	1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - - 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 DISCRETION			
						SHR (B)	OTHR (C)	OTHR MGRS	
MICROSOFT CORP	COM	594918104	31,876	1,238,883	SH	X			1
MICROSOFT CORP	COM	594918104	6,555	254,773	SH			X	1
MICROCHIP TECHNOLOGY INC	COM	595017104	975	32,363	SH	X			1
MICROSEMI CORP	COM	595137100	3,655	143,104	SH	X			1
MIDCAP SPDR TR	UNIT SER 1	595635103	7,551	57,676	SH	X			1
MIDCAP SPDR TR	UNIT SER 1	595635103	916	6,994	SH			X	1
MIKOHN GAMING CORP	COM	59862K108	1,383	104,044	SH	X			1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

MILLIPORE CORP	COM	601073109	238	3,780	SH	X		1
MILLIPORE CORP	COM	601073109	3	47	SH		X	1
MODINE MFG CO	COM	607828100	26,749	729,250	SH	X		1
MODINE MFG CO	COM	607828100	699	19,050	SH		X	1
MOHAWK INDS INC	COM	608190104	43	538	SH	X		1
MOHAWK INDS INC	COM	608190104	166	2,070	SH		X	1
MOLSON COORS BREWING CO	CL B	60871R209	18,679	291,806	SH	X		1
MOLSON COORS BREWING CO	CL B	60871R209	595	9,288	SH		X	1
MONSANTO CO NEW	COM	61166W101	291	4,644	SH	X		1
MONSANTO CO NEW	COM	61166W101	19	300	SH		X	1
MOODYS CORP	COM	615369105	954	18,684	SH	X		1
MOODYS CORP	COM	615369105	189	3,697	SH		X	1
MORGAN STANLEY	COM NEW	617446448	17,814	330,251	SH	X		1
MORGAN STANLEY	COM NEW	617446448	1,746	32,361	SH		X	1 6
MOTOROLA INC	COM	620076109	2,194	99,589	SH	X		1
MOTOROLA INC	COM	620076109	520	23,623	SH		X	1
MURPHY OIL CORP	COM	626717102	5,030	100,868	SH	X		1
MURPHY OIL CORP	COM	626717102	220	4,416	SH		X	1 6
NII HLDGS INC	CL B NEW	62913F201	3,434	40,658	SH	X		1
NII HLDGS INC	CL B NEW	62913F201	19	230	SH		X	1
NVR INC	COM	62944T105	1,149	1,298	SH	X		1
NASDAQ 100 TR	UNIT SER 1	631100104	1,056	26,757	SH	X		1
NASDAQ 100 TR	UNIT SER 1	631100104	131	3,309	SH		X	1
NATIONAL CITY CORP	COM	635405103	8,199	245,198	SH	X		1
NATIONAL CITY CORP	COM	635405103	90	2,692	SH		X	1 6
NATIONAL FINL PARTNERS	COM	63607P208	1,058	23,442	SH	X		1
NATIONAL OILWELL VARCO	COM	637071101	1,117	16,978	SH	X		1
NATIONAL OILWELL VARCO	COM	637071101	92	1,396	SH		X	1
NATIONAL SEMICONDUCTOR	COM	637640103	8,469	323,253	SH	X		1
NATIONAL SEMICONDUCTOR	COM	637640103	609	23,250	SH		X	1
NATUS MEDICAL INC DEL	COM	639050103	1,933	158,862	SH	X		1
NEOWARE SYS INC	COM	64065P102	1,569	93,736	SH	X		1
NETWORK APPLIANCE INC	COM	64120L104	921	38,783	SH	X		1
NETWORK APPLIANCE INC	COM	64120L104	8	324	SH		X	1
NEWELL RUBBERMAID INC	COM	651229106	1,490	65,784	SH	X		1
NEWELL RUBBERMAID INC	COM	651229106	26	1,165	SH		X	1 6
NEWMONT MINING CORP	COM	651639106	498	10,554	SH	X		1
NEWMONT MINING CORP	COM	651639106	125	2,645	SH		X	1
NEWS CORP	CL A	65248E104	689	44,170	SH	X		1
NEWS CORP	CL A	65248E104	24	1,539	SH		X	1
NICHOLAS-APPLEGATE CONV	COM	65370F101	302	20,000	SH	X		1
NICOR INC	COM	654086107	1,431	34,043	SH	X		1
NICOR INC	COM	654086107	69	1,631	SH		X	1 6
NIKE INC	CL B	654106103	5,699	69,775	SH	X		1
NIKE INC	CL B	654106103	227	2,774	SH		X	1 6
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	0	10	SH	X		1
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	359	14,455	SH		X	1
NISOURCE INC	COM	65473P105	3,766	155,292	SH	X		1
NISOURCE INC	COM	65473P105	56	2,317	SH		X	1 6
NOKIA CORP	SPONSORED ADR	654902204	584	34,512	SH	X		1
NOKIA CORP	SPONSORED ADR	654902204	425	25,134	SH		X	1
NOBLE ENERGY INC	COM	655044105	11,343	241,848	SH	X		1
NOBLE ENERGY INC	COM	655044105	133	2,844	SH		X	1
NORDSTROM INC	COM	655664100	2,906	84,660	SH	X		1
NORDSTROM INC	COM	655664100	35	1,013	SH		X	1
NORFOLK SOUTHERN CORP	COM	655844108	3,373	83,155	SH	X		1
NORFOLK SOUTHERN CORP	COM	655844108	32	785	SH		X	1 6
NORTH FORK BANCORP	COM	659424105	2,093	82,098	SH	X		1
NORTH FORK BANCORP	COM	659424105	509	19,958	SH		X	1 6
NORTHERN TR CORP	COM	665859104	7,741	153,139	SH	X		1
NORTHERN TR CORP	COM	665859104	781	15,457	SH		X	1 6
NORTHROP GRUMMAN CORP	COM	666807102	17,510	322,178	SH	X		1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

NORTHROP GRUMMAN CORP	COM	666807102	431	7,923	SH			X	1
NOVARTIS A G	SPONSORED ADR	66987V109	3	60	SH	X			1
NOVARTIS A G	SPONSORED ADR	66987V109	318	6,235	SH			X	1
NOVELL INC	COM	670006105	128	17,238	SH	X			1
NUCOR CORP	COM	670346105	10,842	183,787	SH	X			1
NUCOR CORP	COM	670346105	12	195	SH			X	1
NUVEEN INSD QUALITY MUN	COM	67062N103	193	12,828	SH	X			1
NVIDIA CORP	COM	67066G104	5,797	169,103	SH	X			1
NVIDIA CORP	COM	67066G104	14	395	SH			X	1
NUVASIVE INC	COM	670704105	1,269	67,717	SH	X			1
NUVEEN INVTS INC	CL A	67090F106	3,943	100,103	SH	X			1
NUVEEN FLA INVT QLTY	COM	670970102	197	13,870	SH	X			1
NUVEEN INSURED FL PRM	COM	67101V108	352	22,850	SH			X	1
OCCIDENTAL PETE CORP	COM	674599105	2,401	28,106	SH	X			1
OCCIDENTAL PETE CORP	COM	674599105	450	5,265	SH			X	1
OFFICE DEPOT INC	COM	676220106	241	8,121	SH	X			1
OFFICE DEPOT INC	COM	676220106	4	148	SH			X	1
OLD REP INTL CORP	COM	680223104	102	3,835	SH	X			1
OLD REP INTL CORP	COM	680223104	8,074	302,722	SH			X	1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

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

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCRETION			
						SHR (B)	OTHR (C)	OTHR MGRS	
OMNICARE INC	COM	681904108	19,471	346,271	SH	X			1
OMNICOM GROUP INC	COM	681919106	327	3,909	SH	X			1
OMNICOM GROUP INC	COM	681919106	15	182	SH			X	1
ON ASSIGNMENT INC	COM	682159108	2,538	296,884	SH	X			1
ONLINE RES CORP	COM	68273G101	1,102	104,122	SH	X			1
ORACLE CORP	COM	68389X105	3,473	280,082	SH	X			1
ORACLE CORP	COM	68389X105	237	19,123	SH			X	1
ORASURE TECHNOLOGIES	COM	68554V108	1,772	187,507	SH	X			1
OSHKOSH TRUCK CORP	COM	688239201	307	7,106	SH	X			1
OSHKOSH TRUCK CORP	COM	688239201	2,122	49,160	SH			X	1
PG&E CORP	COM	69331C108	2,502	63,742	SH	X			1
PG&E CORP	COM	69331C108	119	3,036	SH			X	1
PICO HLDGS INC	COM NEW	693366205	1,830	52,077	SH	X			1
PNC FINL SVCS GROUP INC	COM	693475105	7,338	126,469	SH	X			1
PNC FINL SVCS GROUP INC	COM	693475105	55	949	SH			X	1
PPG INDS INC	COM	693506107	2,542	42,954	SH	X			1
PPG INDS INC	COM	693506107	272	4,594	SH			X	1
PPL CORP	COM	69351T106	6,044	186,951	SH	X			1
PPL CORP	COM	69351T106	91	2,800	SH			X	1
PACCAR INC	COM	693718108	233	3,426	SH	X			1
PACCAR INC	COM	693718108	4	66	SH			X	1
PACKAGING CORP AMER	COM	695156109	10,861	559,568	SH	X			1
PAR TECHNOLOGY CORP	COM	698884103	1,198	52,077	SH	X			1
PARAMETRIC TECHNOLOGY	COM	699173100	78	11,228	SH	X			1
PARAMETRIC TECHNOLOGY	COM	699173100	3	485	SH			X	1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

PARKER HANNIFIN CORP	COM	701094104	23,050	358,415	SH	X		1
PARKER HANNIFIN CORP	COM	701094104	653	10,159	SH		X	1
PATTERSON COMPANIES INC	COM	703395103	374	9,334	SH	X		1
PATTERSON UTI ENERGY	COM	703481101	13,853	383,949	SH	X		1
PATTERSON UTI ENERGY	COM	703481101	14	395	SH		X	1
PAYCHEX INC	COM	704326107	2,417	65,179	SH	X		1
PAYCHEX INC	COM	704326107	7	180	SH		X	1
PEABODY ENERGY CORP	COM	704549104	214	2,536	SH	X		1
PEABODY ENERGY CORP	COM	704549104	11	130	SH		X	1
PENNEY J C INC	COM	708160106	11,317	238,658	SH	X		1
PENNEY J C INC	COM	708160106	800	16,878	SH		X	1
PEOPLES CMNTY BANCORP	COM	71086E107	441	20,650	SH	X		1
PEOPLES ENERGY CORP	COM	711030106	1,235	31,361	SH	X		1
PEOPLES ENERGY CORP	COM	711030106	28	705	SH		X	1
PEPSICO INC	COM	713448108	19,007	335,165	SH	X		1
PEPSICO INC	COM	713448108	3,461	61,022	SH		X	1
PERKINELMER INC	COM	714046109	397	19,474	SH	X		1
PERKINELMER INC	COM	714046109	11	536	SH		X	1
PETROHAWK ENERGY CORP	COM	716495106	451	31,274	SH	X		1
PETROHAWK ENERGY CORP	COM	716495106	13	880	SH		X	1
PFIZER INC	COM	717081103	34,505	1,381,866	SH	X		1
PFIZER INC	COM	717081103	4,158	166,514	SH		X	1
PHASE FORWARD INC	COM	71721R406	854	78,117	SH	X		1
PHELPS DODGE CORP	COM	717265102	6,031	46,420	SH	X		1
PHELPS DODGE CORP	COM	717265102	20	153	SH		X	1
PIER 1 IMPORTS INC	COM	720279108	8,963	795,320	SH	X		1
PINNACLE WEST CAP CORP	COM	723484101	745	16,899	SH	X		1
PIONEER DRILLING CO	COM	723655106	2,036	104,280	SH	X		1
PIONEER NAT RES CO	COM	723787107	10,939	199,176	SH	X		1
PIONEER NAT RES CO	COM	723787107	24	433	SH		X	1
PITNEY BOWES INC	COM	724479100	1,626	38,958	SH	X		1
PITNEY BOWES INC	COM	724479100	112	2,676	SH		X	1
PLACER DOME INC	COM	725906101	340	19,804	SH		X	1
PLAINS EXPL& PRODTN CO	COM	726505100	5,455	127,386	SH	X		1
PLUM CREEK TIMBER CO	COM	729251108	2,996	79,033	SH	X		1
PLUM CREEK TIMBER CO	COM	729251108	837	22,072	SH		X	1
POWELL INDS INC	COM	739128106	617	28,200	SH		X	1
POWERWAVE TECHNOLOGIES	COM	739363109	4,015	309,103	SH	X		1
PRAXAIR INC	COM	74005P104	743	15,509	SH	X		1
PRAXAIR INC	COM	74005P104	128	2,680	SH		X	1
PRECISION CASTPARTS	COM	740189105	3,313	62,384	SH	X		1
PRECISION CASTPARTS	COM	740189105	17	325	SH		X	1
PRICE T ROWE GROUP INC	COM	74144T108	266	4,077	SH	X		1
PRICE T ROWE GROUP INC	COM	74144T108	10	154	SH		X	1
PRINCIPAL FINANCIAL GRP	COM	74251V102	693	14,630	SH	X		1
PRINCIPAL FINANCIAL GRP	COM	74251V102	7	147	SH		X	1
PROCTER & GAMBLE CO	COM	742718109	31,600	531,450	SH	X		1
PROCTER & GAMBLE CO	COM	742718109	3,769	63,389	SH		X	1
PROGRESS ENERGY INC	COM	743263105	5,274	117,855	SH	X		1
PROGRESS ENERGY INC	COM	743263105	83	1,847	SH		X	1
PROGRESSIVE CORP OHIO	COM	743315103	878	8,378	SH	X		1
PROGRESSIVE CORP OHIO	COM	743315103	86	820	SH		X	1
PROLIANCE INTL INC	COM	74340R104	786	143,468	SH	X		1
PROLIANCE INTL INC	COM	74340R104	6	1,099	SH		X	1
PROQUEST COMPANY	COM	74346P102	12,700	350,826	SH	X		1
PROTECTIVE LIFE CORP	COM	743674103	10,665	258,996	SH	X		1
PROTECTIVE LIFE CORP	COM	743674103	21	510	SH		X	1
PROTEIN DESIGN LABS INC	COM	74369L103	2,749	98,166	SH	X		1
PROVIDIAN FINL CORP	COM	74406A102	545	30,832	SH	X		1
PROVIDIAN FINL CORP	COM	74406A102	12	659	SH		X	1
PRUDENTIAL FINL INC	COM	744320102	7,004	103,677	SH	X		1
PRUDENTIAL FINL INC	COM	744320102	100	1,482	SH		X	1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

PSYCHIATRIC SOLUTIONS COM 74439H108 2,254 41,571 SH X 1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION		
					SH/PUT/SOLE PRN CALL (A)	SHR OTHR (B)	OTHR MGRS (C)
PUBLIC SVC ENTRPRS GRP	COM	744573106	2,492	38,718 SH	X		1
PUBLIC SVC ENTRPRS GRP	COM	744573106	72	1,113 SH		X	1 6
PULTE HOMES INC	COM	745867101	8,692	202,527 SH	X		1
PULTE HOMES INC	COM	745867101	12	288 SH		X	1
QSOUND LABS INC	COM NEW	74728C307	481	155,240 SH	X		1
QUALCOMM INC	COM	747525103	1,815	40,569 SH	X		1
QUALCOMM INC	COM	747525103	622	13,908 SH		X	1
QUEST DIAGNOSTICS INC	COM	74834L100	234	4,634 SH	X		1
QUEST DIAGNOSTICS INC	COM	74834L100	44	869 SH		X	1
QUESTAR CORP	COM	748356102	230	2,613 SH	X		1
QUESTAR CORP	COM	748356102	70	800 SH		X	1
RACKABLE SYS INC	COM	750077109	2,190	166,422 SH	X		1
RADIAN GROUP INC	COM	750236101	1,529	28,796 SH	X		1
RADIAN GROUP INC	COM	750236101	56	1,049 SH		X	1
RADIOSHACK CORP	COM	750438103	257	10,352 SH	X		1
RADIOSHACK CORP	COM	750438103	9	381 SH		X	1
RANGE RES CORP	COM	75281A109	1,622	42,000 SH	X		1
RAYONIER INC	COM	754907103	2,709	47,009 SH	X		1
RAYTHEON CO	COM NEW	755111507	364	9,567 SH	X		1
RAYTHEON CO	COM NEW	755111507	92	2,422 SH		X	1
REEBOK INTL LTD	COM	758110100	898	15,868 SH	X		1
REEBOK INTL LTD	COM	758110100	6	98 SH		X	1
REGAL BELOIT CORP	COM	758750103	18,199	560,998 SH	X		1
REGAL BELOIT CORP	COM	758750103	355	10,946 SH		X	1
REGIONS FINANCIAL CORP	COM	7591EP100	2,442	78,479 SH	X		1
REGIONS FINANCIAL CORP	COM	7591EP100	60	1,941 SH		X	1 6
REPUBLIC SVCS INC	COM	760759100	11,492	325,636 SH	X		1
REPUBLIC SVCS INC	COM	760759100	101	2,860 SH		X	1
RESMED INC	COM	761152107	4,586	57,573 SH	X		1
RESMED INC	COM	761152107	7	89 SH		X	1
RESPIRONICS INC	COM	761230101	2,915	69,102 SH	X		1
RESPIRONICS INC	COM	761230101	4	100 SH		X	1
REYNOLDS AMERICAN INC	COM	761713106	1,564	18,838 SH	X		1
REYNOLDS AMERICAN INC	COM	761713106	20	246 SH		X	1
RIGHTNOW TECHNOLOGIES	COM	76657R106	1,687	114,614 SH	X		1
ROCKWELL AUTOMATION INC	COM	773903109	1,786	33,770 SH	X		1
ROCKWELL AUTOMATION INC	COM	773903109	249	4,714 SH		X	1
ROCKWELL COLLINS INC	COM	774341101	1,444	29,879 SH	X		1
ROCKWELL COLLINS INC	COM	774341101	123	2,540 SH		X	1
ROGERS CORP	COM	775133101	240	6,209 SH	X		1
ROYAL DUTCH SHELL PLC	SPON ADR B	780259107	102	1,486 SH	X		1
ROYAL DUTCH SHELL PLC	SPON ADR B	780259107	335	4,858 SH		X	1 6
ROYAL DUTCH SHELL PLC	SPONS ADR A	780259206	6,281	95,682 SH	X		1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ROYAL DUTCH SHELL PLC	SPONS ADR A	780259206	1,019	15,521	SH		X	1
SBC COMMUNICATIONS INC	COM	78387G103	22,107	922,296	SH	X		1
SBC COMMUNICATIONS INC	COM	78387G103	3,165	132,049	SH		X	1
SCP POOL CORP	COM	784028102	3,362	96,247	SH	X		1
SEI INVESTMENTS CO	COM	784117103	955	25,407	SH	X		1
SEI INVESTMENTS CO	COM	784117103	11	280	SH		X	1
SFBC INTL INC	COM	784121105	2,213	49,863	SH	X		1
SFBC INTL INC	COM	784121105	9	206	SH		X	1
SLM CORP	COM	78442P106	596	11,119	SH	X		1
SLM CORP	COM	78442P106	18	344	SH		X	1
SPDR TR	UNIT SER 1	78462F103	9,334	75,864	SH	X		1
SPDR TR	UNIT SER 1	78462F103	2,919	23,721	SH		X	1
SVB FINL GROUP	COM	78486Q101	1,771	36,408	SH	X		1
SABRE HLDGS CORP	CL A	785905100	8,153	402,030	SH	X		1
SAFECO CORP	COM	786429100	7,153	134,030	SH	X		1
SAFECO CORP	COM	786429100	12	229	SH		X	1
ST JOE CO	COM	790148100	1,187	19,007	SH	X		1
ST JOE CO	COM	790148100	7	106	SH		X	1
ST JUDE MED INC	COM	790849103	3,576	76,401	SH	X		1
ST JUDE MED INC	COM	790849103	583	12,458	SH		X	1
ST PAUL TRAVELERS INC	COM	792860108	6,115	136,281	SH	X		1
ST PAUL TRAVELERS INC	COM	792860108	21	458	SH		X	1
SAKS INC	COM	79377W108	241	13,000	SH	X		1
SALESFORCE COM INC	COM	79466L302	2,793	120,812	SH	X		1
SALOMON BROS GLBL HGH	COM	79550G102	256	20,000	SH	X		1
SANDISK CORP	COM	80004C101	1,860	38,567	SH	X		1
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	175	4,030	SH	X		1
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	58	1,345	SH		X	1
SARA LEE CORP	COM	803111103	4,826	254,682	SH	X		1
SARA LEE CORP	COM	803111103	556	29,348	SH		X	1
SASOL LTD	SPONSORED ADR	803866300	2,064	53,352	SH	X		1
SCHERING PLOUGH CORP	COM	806605101	1,173	55,740	SH	X		1
SCHERING PLOUGH CORP	COM	806605101	355	16,869	SH		X	1
SCHLUMBERGER LTD	COM	806857108	4,304	51,004	SH	X		1
SCHLUMBERGER LTD	COM	806857108	742	8,796	SH		X	1
SCHOLASTIC CORP	COM	807066105	8,903	240,876	SH	X		1
SCHWAB CHARLES CORP NEW	COM	808513105	212	14,690	SH	X		1
SCIENTIFIC ATLANTA INC	COM	808655104	399	10,636	SH	X		1
SCIENTIFIC ATLANTA INC	COM	808655104	8	215	SH		X	1
SCIENTIFIC GAMES CORP	CL A	80874P109	2,521	81,331	SH	X		1
SCIENTIFIC GAMES CORP	CL A	80874P109	4	135	SH		X	1
SEARS HLDGS CORP	COM	812350106	432	3,468	SH	X		1
SEARS HLDGS CORP	COM	812350106	38	306	SH		X	1
SELECT SECTOR SPDR TR	SBI CONS STPLS	81369Y308	1,286	55,250	SH	X		1
SELECT SECTOR SPDR TR	SBI CONS STPLS	81369Y308	4	180	SH		X	1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - - 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 DISCRETION		
						SHR (B)	OTHR (C)	OTHR MGRS

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

SELECT SECTOR SPDR TR	SBI INT-TECH	81369Y803	316	15,125	SH	X		1
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	200	5,965	SH	X		1
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	49	1,461	SH		X	1
SEMPRA ENERGY	COM	816851109	193	4,094	SH	X		1
SEMPRA ENERGY	COM	816851109	53	1,134	SH		X	1
SENSIENT TECHNOLOGIES	COM	81725T100	237	12,518	SH	X		1
SENSIENT TECHNOLOGIES	COM	81725T100	37	1,930	SH		X	1
SEPRACOR INC	COM	817315104	1,090	18,478	SH	X		1
SHERWIN WILLIAMS CO	COM	824348106	11,551	262,100	SH	X		1
SHERWIN WILLIAMS CO	COM	824348106	19	428	SH		X	1
SIEMENS A G	SPONSORED ADR	826197501	148	1,916	SH	X		1
SIEMENS A G	SPONSORED ADR	826197501	290	3,750	SH		X	1
SIGMA ALDRICH CORP	COM	826552101	1,168	18,228	SH	X		1
SIGMA ALDRICH CORP	COM	826552101	35	542	SH		X	1
SIMON PPTY GROUP INC	COM	828806109	2,759	37,219	SH	X		1
SIMON PPTY GROUP INC	COM	828806109	63	854	SH		X	1
SIRIUS SATELLITE RADIO	COM	82966U103	69	10,500	SH	X		1
SIRIUS SATELLITE RADIO	COM	82966U103	7	1,000	SH		X	1
SIRF TECHNOLOGY HLDGS	COM	82967H101	2,943	97,676	SH	X		1
SKYWORKS SOLUTIONS INC	COM	83088M102	93	13,200	SH	X		1
SMITH A O	COM	831865209	125	4,383	SH	X		1
SMITH A O	COM	831865209	228	8,000	SH		X	1
SMITH MICRO SOFTWARE	COM	832154108	295	44,000	SH	X		1
SMUCKER J M CO	COM NEW	832696405	64	1,316	SH	X		1
SMUCKER J M CO	COM NEW	832696405	318	6,558	SH		X	1
SNAP ON INC	COM	833034101	20,240	560,352	SH	X		1
SNAP ON INC	COM	833034101	330	9,140	SH		X	1
SOMANETICS CORP	COM NEW	834445405	1,812	72,499	SH	X		1
SONOSITE INC	COM	83568G104	1,851	62,381	SH	X		1
SOUTHERN CO	COM	842587107	5,281	147,678	SH	X		1
SOUTHERN CO	COM	842587107	544	15,202	SH		X	1
SOUTHWESTERN ENERGY CO	COM	845467109	716	9,755	SH	X		1
SOVEREIGN BANCORP INC	COM	845905108	682	30,923	SH	X		1
SPORTSMANS GUIDE INC	COM NEW	848907200	218	8,000	SH	X		1
SPRINT NEXTEL CORP	COM FON	852061100	9,542	401,264	SH	X		1
SPRINT NEXTEL CORP	COM FON	852061100	296	12,456	SH		X	1
STAMPS COM INC	COM NEW	852857200	896	52,073	SH	X		1
STAPLES INC	COM	855030102	2,103	98,637	SH	X		1
STAPLES INC	COM	855030102	59	2,772	SH		X	1
STARBUCKS CORP	COM	855244109	1,436	28,663	SH	X		1
STARBUCKS CORP	COM	855244109	73	1,450	SH		X	1
STARWOOD HTLS & RSRTS	PAIRED CTF	85590A203	3,023	52,876	SH	X		1
STARWOOD HTLS & RSRTS	PAIRED CTF	85590A203	60	1,055	SH		X	1
STATE STR CORP	COM	857477103	9,699	198,257	SH	X		1
STATE STR CORP	COM	857477103	16	332	SH		X	1
STORA ENSO CORP	SPON ADR REP R	86210M106	1,035	74,840	SH	X		1
STORA ENSO CORP	SPON ADR REP R	86210M106	150	10,838	SH		X	1
STRYKER CORP	COM	863667101	561	11,342	SH	X		1
STRYKER CORP	COM	863667101	550	11,130	SH		X	1
SUN MICROSYSTEMS INC	COM	866810104	31	7,965	SH	X		1
SUN MICROSYSTEMS INC	COM	866810104	34	8,560	SH		X	1
SUNCOR ENERGY INC	COM	867229106	6	100	SH	X		1
SUNCOR ENERGY INC	COM	867229106	259	4,281	SH		X	1
SUNOCO INC	COM	86764P109	6,563	83,924	SH	X		1
SUNOCO INC	COM	86764P109	42	534	SH		X	1
SUNTRUST BKS INC	COM	867914103	4,054	58,374	SH	X		1
SUNTRUST BKS INC	COM	867914103	87	1,254	SH		X	1
SUPERVALU INC	COM	868536103	272	8,747	SH	X		1
SUPERVALU INC	COM	868536103	17	545	SH		X	1
SURMODICS INC	COM	868873100	269	6,965	SH	X		1
SWIFT TRANSN CO	COM	870756103	4,331	244,678	SH	X		1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

SWISSCOM AG	SPONSORED ADR	871013108	312	9,510	SH			X	1
SYMANTEC CORP	COM	871503108	668	29,480	SH	X			1
SYMANTEC CORP	COM	871503108	246	10,865	SH			X	1
SYMMETRY MED INC	COM	871546206	1,975	83,315	SH	X			1
SYNOVUS INC	COM	871607107	10,356	547,927	SH	X			1
SYNOVUS FINL CORP	COM	87161C105	1,911	68,945	SH	X			1
SYNOVUS FINL CORP	COM	87161C105	6	211	SH			X	1
SYSCO CORP	COM	871829107	702	22,379	SH	X			1
SYSCO CORP	COM	871829107	182	5,789	SH			X	1
TCF FINL CORP	COM	872275102	982	36,702	SH	X			1
TCF FINL CORP	COM	872275102	47	1,760	SH			X	1
TECO ENERGY INC	COM	872375100	1,572	87,225	SH	X			1
TECO ENERGY INC	COM	872375100	14	800	SH			X	1
TEPPCO PARTNERS L P	UT LTD PARTNER	872384102	170	4,185	SH	X			1
TEPPCO PARTNERS L P	UT LTD PARTNER	872384102	41	1,000	SH			X	1
TJX COS INC NEW	COM	872540109	342	16,723	SH	X			1
TJX COS INC NEW	COM	872540109	24	1,155	SH			X	1
TNT N V	SPONSORED ADR	87260W101	267	10,659	SH			X	1
TNS INC	COM	872960109	2,526	104,162	SH	X			1
TXU CORP	COM	873168108	777	6,881	SH	X			1
TXU CORP	COM	873168108	28	249	SH			X	1
TARGET CORP	COM	87612E106	4,492	86,502	SH	X			1
TARGET CORP	COM	87612E106	1,936	37,290	SH			X	1
TELECOM ITALIA S P A	SPON ADR SVGS	87927Y201	374	13,558	SH			X	1
TEXAS INSTRS INC	COM	882508104	2,403	70,893	SH	X			1
TEXAS INSTRS INC	COM	882508104	826	24,359	SH			X	1
TEXTRON INC	COM	883203101	2,169	30,245	SH	X			1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION			
						SHR (B)	OTHR (C)	OTHR MGRS	
TEXTRON INC	COM	883203101	12	169	SH			X	1
THERMO ELECTRON CORP	COM	883556102	284	9,180	SH	X			1
THERMO ELECTRON CORP	COM	883556102	10	326	SH			X	1
THIRD WAVE TECHNOLOGIES	COM	88428W108	7	1,500	SH	X			1
THIRD WAVE TECHNOLOGIES	COM	88428W108	188	38,000	SH			X	1
3M CO	COM	88579Y101	24,544	334,570	SH	X			1
3M CO	COM	88579Y101	4,543	61,930	SH			X	1 6
TIFFANY & CO NEW	COM	886547108	575	14,455	SH	X			1
TIFFANY & CO NEW	COM	886547108	8	198	SH			X	1
TIME WARNER INC	COM	887317105	11,533	636,809	SH	X			1
TIME WARNER INC	COM	887317105	835	46,129	SH			X	1 6
TOMKINS PLC	SPONSORED ADR	890030208	227	11,048	SH			X	1
TORCHMARK CORP	COM	891027104	364	6,889	SH	X			1
TORCHMARK CORP	COM	891027104	12	221	SH			X	1
TOREADOR RES CORP	COM	891050106	2,766	78,128	SH	X			1
TOWER GROUP INC	COM	891777104	1,890	125,014	SH	X			1
TOWER GROUP INC	COM	891777104	11	760	SH			X	1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

TRAMMELL CROW CO	COM	89288R106	1,544	62,560	SH	X		1
TRIAD HOSPITALS INC	COM	89579K109	785	17,333	SH	X		1
TRIBUNE CO NEW	COM	896047107	9,672	285,387	SH	X		1
TRIBUNE CO NEW	COM	896047107	268	7,904	SH		X	1
TUPPERWARE CORP	COM	899896104	186	8,182	SH	X		1
TUPPERWARE CORP	COM	899896104	617	27,073	SH		X	1
24/7 REAL MEDIA INC	COM NEW	901314203	1,284	182,337	SH	X		1
TYCO INTL LTD NEW	COM	902124106	4,611	165,574	SH	X		1
TYCO INTL LTD NEW	COM	902124106	513	18,414	SH		X	1
UST INC	COM	902911106	3,283	78,438	SH	X		1
UST INC	COM	902911106	105	2,516	SH		X	1
US BANCORP DEL	COM NEW	902973304	15,890	565,883	SH	X		1
US BANCORP DEL	COM NEW	902973304	2,936	104,548	SH		X	1 6
UNION PAC CORP	COM	907818108	744	10,379	SH	X		1
UNION PAC CORP	COM	907818108	189	2,634	SH		X	1
UNITED PARCEL SERVICE	CL B	911312106	10,592	153,213	SH	X		1
UNITED PARCEL SERVICE	CL B	911312106	424	6,136	SH		X	1
UNITED TECHNOLOGIES	COM	913017109	5,189	100,092	SH	X		1
UNITED TECHNOLOGIES	COM	913017109	1,011	19,508	SH		X	1
UNITED UTILS PLC	SPONSORED ADR	91311Q105	349	14,877	SH		X	1
UNITEDHEALTH GROUP INC	COM	91324P102	4,379	77,913	SH	X		1
UNITEDHEALTH GROUP INC	COM	91324P102	203	3,607	SH		X	1
UNITRIN INC	COM	913275103	724	15,256	SH	X		1
UNIVISION COMMUNICATNS	CL A	914906102	447	16,835	SH	X		1
UNIVISION COMMUNICATNS	CL A	914906102	7	250	SH		X	1
URBAN OUTFITTERS INC	COM	917047102	1,015	34,528	SH	X		1
V F CORP	COM	918204108	1,161	20,027	SH	X		1
V F CORP	COM	918204108	4	63	SH		X	1
VALERO ENERGY CORP NEW	COM	91913Y100	9,319	82,421	SH	X		1
VALERO ENERGY CORP NEW	COM	91913Y100	243	2,152	SH		X	1
VAN KAMPEN TR INVT GRD	COM	920929106	301	20,385	SH	X		1
VAN KAMPEN TR INVT GRD	COM	920929106	487	33,000	SH		X	1
VAN KAMPEN MUN OPPRTY	COM	920935103	320	21,895	SH	X		1
VAN KAMPEN MUN OPPRTY	COM	920935103	482	33,000	SH		X	1
VAN KAMPEN MUN OPPRTY	COM	920944105	189	13,678	SH	X		1
VASCO DATA SEC INTL INC	COM	92230Y104	1,181	130,233	SH	X		1
VECTREN CORP	COM	92240G101	203	7,169	SH	X		1
VECTREN CORP	COM	92240G101	6	200	SH		X	1
VANGUARD INDEX TR	STK MRK VIPERS	922908769	554	4,568	SH	X		1
VERISIGN INC	COM	92343E102	814	38,077	SH	X		1
VERISIGN INC	COM	92343E102	3	130	SH		X	1
VERIZON COMMUNICATIONS	COM	92343V104	36,095	1,104,164	SH	X		1
VERIZON COMMUNICATIONS	COM	92343V104	2,416	73,899	SH		X	1 6
VIACOM INC	CL B	925524308	1,281	38,801	SH	X		1
VIACOM INC	CL B	925524308	541	16,403	SH		X	1
VODAFONE GROUP PLC NEW	SPONSORED ADR	92857W100	386	14,858	SH	X		1
VODAFONE GROUP PLC NEW	SPONSORED ADR	92857W100	51	1,945	SH		X	1
WPS RESOURCES CORP	COM	92931B106	2,361	40,854	SH	X		1
WPS RESOURCES CORP	COM	92931B106	335	5,800	SH		X	1
WACHOVIA CORP 2ND NEW	COM	929903102	13,858	291,195	SH	X		1
WACHOVIA CORP 2ND NEW	COM	929903102	505	10,607	SH		X	1 6
WACOAL HOLDINGS CORP	ADR	930004205	295	4,487	SH		X	1
WAL MART STORES INC	COM	931142103	21,201	483,820	SH	X		1
WAL MART STORES INC	COM	931142103	3,104	70,824	SH		X	1 6
WALGREEN CO	COM	931422109	19,817	456,079	SH	X		1
WALGREEN CO	COM	931422109	6,513	149,890	SH		X	1 6
WASHINGTON MUT INC	COM	939322103	6,527	166,421	SH	X		1
WASHINGTON MUT INC	COM	939322103	132	3,369	SH		X	1 6
WASTE CONNECTIONS INC	COM	941053100	752	21,446	SH	X		1
WASTE MGMT INC DEL	COM	94106L109	221	7,741	SH	X		1
WASTE MGMT INC DEL	COM	94106L109	360	12,577	SH		X	1
WATERS CORP	COM	941848103	333	8,004	SH	X		1

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

WATERS CORP	COM	941848103	15	352 SH		X	1
WATSON WYATT & CO HLDGS	CL A	942712100	11,536	428,066 SH	X		1
WATSON WYATT & CO HLDGS	CL A	942712100	3	105 SH		X	1
WAUSAU PAPER CORP	COM	943315101	2,545	203,406 SH	X		1
WAUSAU PAPER CORP	COM	943315101	3,274	261,726 SH		X	1
WEBSIDESTORY INC	COM	947685103	1,192	67,283 SH	X		1
WEINGARTEN RLTY INVS	SH BEN INT	948741103	12	325 SH	X		1
WEINGARTEN RLTY INVS	SH BEN INT	948741103	587	15,499 SH		X	1
WELLCARE HEALTH PLANS	COM	94946T106	2,316	62,497 SH	X		1

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION				
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
WELLPOINT INC	COM	94973V107	11,044	145,659 SH	X			1	
WELLPOINT INC	COM	94973V107	48	632 SH			X	1	
WELLS FARGO & CO NEW	COM	949746101	44,490	759,611 SH	X			1	
WELLS FARGO & CO NEW	COM	949746101	3,564	60,858 SH			X	1 6	
WENDYS INTL INC	COM	950590109	852	18,877 SH	X			1	
WENDYS INTL INC	COM	950590109	2	36 SH			X	1	
WESCO INTL INC	COM	95082P105	1,411	41,662 SH	X			1	
WESCO INTL INC	COM	95082P105	6	186 SH			X	1	
WEYERHAEUSER CO	COM	962166104	17,684	257,228 SH	X			1	
WEYERHAEUSER CO	COM	962166104	1,975	28,726 SH			X	1 6	
WHIRLPOOL CORP	COM	963320106	452	5,967 SH	X			1	
WHIRLPOOL CORP	COM	963320106	384	5,071 SH			X	1	
WHITEHALL JEWELLERS INC	COM	965063100	34	20,000 SH	X			1	
WHOLE FOODS MKT INC	COM	966837106	2,626	19,529 SH	X			1	
WILLIAMS COS INC DEL	COM	969457100	572	22,835 SH	X			1	
WILLIAMS COS INC DEL	COM	969457100	143	5,699 SH			X	1	
WILLIAMS SONOMA INC	COM	969904101	898	23,403 SH	X			1	
WILSONS LEATHER EXPRTS	COM	972463103	2,033	333,222 SH	X			1	
WIND RIVER SYSTEMS INC	COM	973149107	2,733	211,341 SH	X			1	
WIND RIVER SYSTEMS INC	COM	973149107	29	2,250 SH			X	1	
WISCONSIN ENERGY CORP	COM	976657106	4,366	109,374 SH	X			1	
WISCONSIN ENERGY CORP	COM	976657106	1,440	36,083 SH			X	1	
WRIGLEY WM JR CO	COM	982526105	2,255	31,366 SH	X			1	
WRIGLEY WM JR CO	COM	982526105	1,976	27,488 SH			X	1	
WYETH	COM	983024100	10,940	236,443 SH	X			1	
WYETH	COM	983024100	2,330	50,348 SH			X	1	
XM SATELLITE RADIO HLDG	CL A	983759101	1,376	38,314 SH	X			1	
XM SATELLITE RADIO HLDG	CL A	983759101	13	360 SH			X	1	
XTO ENERGY INC	COM	98385X106	3,505	77,332 SH	X			1	
XTO ENERGY INC	COM	98385X106	369	8,139 SH			X	1	
XCEL ENERGY INC	COM	98389B100	10,980	559,913 SH	X			1	
XCEL ENERGY INC	COM	98389B100	134	6,808 SH			X	1 6	
XILINX INC	COM	983919101	217	7,807 SH	X			1	
XILINX INC	COM	983919101	6	208 SH			X	1	
XEROX CORP	COM	984121103	12,055	883,134 SH	X			1	

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

XEROX CORP	COM	984121103	1	41 SH		X	1
YAHOO INC	COM	984332106	5,571	164,617 SH		X	1
YAHOO INC	COM	984332106	95	2,795 SH			X 1
YUBET COM INC	COM	987413101	597	104,123 SH		X	1
YUM BRANDS INC	COM	988498101	503	10,389 SH		X	1
YUM BRANDS INC	COM	988498101	160	3,310 SH			X 1
ZIMMER HLDGS INC	COM	98956P102	3,492	50,686 SH		X	1
ZIMMER HLDGS INC	COM	98956P102	609	8,835 SH			X 1
ZIONS BANCORPORATION	COM	989701107	215	3,025 SH		X	1
ZIONS BANCORPORATION	COM	989701107	3	40 SH			X 1
ZOLTEK COS INC	COM	98975W104	455	34,600 SH			X 1
FINAL TOTALS			4,051,930				

REPORT PTR289 9W

M&I INVESTMENT MANAGEMENT CORP.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

- - - 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 DISCRETION		
						SHR (B)	OTHR (C)	OTHR MGRS
COOPER INDS LTD	CL A	G24182100	380	5,500 SH	X			5
XL CAP LTD	CL A	G98255105	363	5,330 SH	X			5
ABBOTT LABS	COM	002824100	386	9,110 SH	X			5
ALTRIA GROUP INC	COM	02209S103	377	5,110 SH	X			5
AMERISOURCEBERGEN CORP	COM	03073E105	267	3,450 SH	X			5
ASSOCIATED BANC CORP	COM	045487105	293	9,600 SH	X			5
BB&T CORP	COM	054937107	351	8,994 SH	X			5
BANK OF AMERICA CORP	COM	060505104	773	18,362 SH	X			5
BELLSOUTH CORP	COM	079860102	392	14,895 SH	X			5
CHEVRON CORP NEW	COM	166764100	899	14,057 SH	X			5
CITIGROUP INC	COM	172967101	784	17,228 SH	X			5
DEL MONTE FOODS CO	COM	24522P103	126	11,740 SH	X			5
DEVELOPERS DIVERSIFIED	COM	251591103	416	8,905 SH	X			5
DOMINION RES INC VA NEW	COM	25746U109	441	5,120 SH	X			5
DOW CHEM CO	COM	260543103	426	10,225 SH	X			5
EASTMAN CHEM CO	COM	277432100	353	7,524 SH	X			5
EXELON CORP	COM	30161N101	285	5,341 SH	X			5
EXXON MOBIL CORP	COM	30231G102	726	11,430 SH	X			5
GENERAL ELEC CO	COM	369604103	725	21,540 SH	X			5
GENERAL GROWTH PPTYS	COM	370021107	512	11,390 SH	X			5
GILLETTE CO	COM	375766102	210	3,600 SH	X			5
ISTAR FINL INC	COM	45031U101	353	8,740 SH	X			5
INLAND REAL ESTATE CORP	COM NEW	457461200	298	19,000 SH	X			5
ISHARES TR	RUSSELL MCP GR	464287481	3,429	37,620 SH	X			5
ISHARES TR	RUSL 2000 GROW	464287648	4,100	59,600 SH	X			5
JPMORGAN & CHASE & CO	COM	46625H100	659	19,413 SH	X			5
JOURNAL COMMUNICATIONS	CL A	481130102	178	11,914 SH	X			5
KERR MCGEE CORP	COM	492386107	650	6,755 SH	X			5
KINDER MORGAN INC KANS	COM	49455P101	220	2,289 SH	X			5
LOWES COS INC	COM	548661107	228	3,540 SH	X			5

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

MANPOWER INC	COM	56418H100	209	4,710	SH	X	5
MERCK & CO INC	COM	589331107	585	21,511	SH	X	5
MICROSOFT CORP	COM	594918104	260	10,101	SH	X	5
MOLSON COORS BREWING CO	CL B	60871R209	224	3,505	SH	X	5
PPG INDS INC	COM	693506107	279	4,720	SH	X	5
PPL CORP	COM	69351T106	447	13,822	SH	X	5
PARKER HANNIFIN CORP	COM	701094104	224	3,480	SH	X	5
PITNEY BOWES INC	COM	724479100	289	6,930	SH	X	5
PUBLIC SVC ENTRPRS GRP	COM	744573106	233	3,613	SH	X	5
RPM INTL INC	COM	749685103	305	16,600	SH	X	5
SBC COMMUNICATIONS INC	COM	78387G103	584	24,349	SH	X	5
ST PAUL TRAVELERS INC	COM	792860108	319	7,100	SH	X	5
SIMON PPTY GROUP INC	COM	828806109	416	5,608	SH	X	5
STANLEY WKS	COM	854616109	345	7,400	SH	X	5
US BANCORP DEL	COM NEW	902973304	448	15,937	SH	X	5
VERIZON COMMUNICATIONS	COM	92343V104	638	19,503	SH	X	5
VORNADO RLTY TR	SH BEN INT	929042109	491	5,670	SH	X	5
WACHOVIA CORP 2ND NEW	COM	929903102	546	11,468	SH	X	5
WASHINGTON MUT INC	COM	939322103	350	8,933	SH	X	5
WELLS FARGO & CO NEW	COM	949746101	741	12,644	SH	X	5
FINAL TOTALS				27,533	=====		

REPORT PTR289 7R

M&I NATIONAL TRUST
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 12/31/2005

----- 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 DISCRETION		
						SHR (B)	OTHR (C)	OTHR MGRS

NO REPORT RECORDS EXIST FOR THIS REQUEST