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MARSHALL & ILSLEY CORP/WI/
Form 13F-HR
August 14, 2007

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D. C. 20549
Form 13F

Form 13F COVER PAGE

Report for the Calendar Year or Quarter Ended: 06/30/2007

Check here if Amendment []; Amendment Number:

This Amendment (Check only one.): [] is a restatement.

[] adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: Marshall & Ilsley Corporation
Address: 770 North Water Street
Milwaukee, WI 53202

Form 13F File Number: 28-272

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person Signing this Report on Behalf of Reporting Manager:

Name: Jeffrey O. Himstreet
Title: Vice President
Phone: 414-765-7809

Signature, Place, and Date of Signing:

/s/Jeffrey O. Himstreet

Milwaukee, WI

8/10/07

[Signature]

[City, State]

[Date]

Report Type (Check only one.):

- [X] 13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)
- [] 13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)
- [] 13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

Form 13F SUMMARY PAGE

Report Summary:

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Number of Other Included Managers: 3
 Form 13F Information Table Entry Total: 1,901
 Form 13F Information Table Value Total: \$ 5,737,632
 (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. |
| 10 | N/A | North Star Trust Company |

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MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ PRN CALL | INVESTMENT DISCRETION | | |
|-----------------------|----------------|-----------|------------------------|-----------------|-------------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| ACE LTD | ORD | G0070K103 | 11,134 | 178,084SH | X | | | |
| ACE LTD | ORD | G0070K103 | 10 | 157SH | | | | X |
| ASSURED GUARANTY LTD | COM | G0585R106 | 5,304 | 179,433SH | X | | | |
| ACCENTURE LTD BERMUDA | CL A | G1150G111 | 2,218 | 51,722SH | X | | | |
| ACCENTURE LTD BERMUDA | CL A | G1150G111 | 217 | 5,050SH | | | | X |
| COOPER INDS LTD | CL A | G24182100 | 542 | 9,488SH | X | | | |
| COOPER INDS LTD | CL A | G24182100 | 26 | 464SH | | | | X |
| FRONTLINE LTD | SHS | G3682E127 | 414 | 9,030SH | X | | | |
| GARMIN LTD | ORD | G37260109 | 918 | 12,413SH | X | | | |
| GARMIN LTD | ORD | G37260109 | 375 | 5,069SH | | | | X |
| GLOBALSANTAFE CORP | SHS | G3930E101 | 10,811 | 149,637SH | X | | | |
| GLOBALSANTAFE CORP | SHS | G3930E101 | 1,839 | 25,456SH | | | | X |

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| | | | | | | |
|-------------------------|----------|-----------|--------|-------------|---|---|
| INGERSOLL-RAND COMPANY | CL A | G4776G101 | 803 | 14,653SH | X | |
| INGERSOLL-RAND COMPANY | CL A | G4776G101 | 92 | 1,677SH | | X |
| MARVELL TECHNOLOGY GRP | ORD | G5876H105 | 1,734 | 95,210SH | X | |
| MARVELL TECHNOLOGY GRP | ORD | G5876H105 | 54 | 2,962SH | | X |
| MAX CAPITAL GROUP LTD | SHS | G6052F103 | 260 | 9,200SH | X | |
| MAX CAPITAL GROUP LTD | SHS | G6052F103 | 10 | 343SH | | X |
| NABORS INDUSTRIES LTD | SHS | G6359F103 | 405 | 12,133SH | X | |
| NABORS INDUSTRIES LTD | SHS | G6359F103 | 12 | 369SH | | X |
| NOBLE CORPORATION | SHS | G65422100 | 5,580 | 57,224SH | X | |
| NOBLE CORPORATION | SHS | G65422100 | 76 | 779SH | | X |
| ORIENT-EXPRESS HOTELS | CL A | G67743107 | 465 | 8,700SH | X | |
| PARTNERRE LTD | COM | G6852T105 | 13,484 | 173,991SH | X | |
| RENAISSANCERE HOLDINGS | COM | G7496G103 | 1,566 | 25,257SH | X | |
| RENAISSANCERE HOLDINGS | COM | G7496G103 | 338 | 5,460SH | | X |
| SEAGATE TECHNOLOGY | SHS | G7945J104 | 1,289 | 59,230SH | X | |
| SHIP FINANCE INTERNATNL | SHS | G81075106 | 1,118 | 37,663SH | X | |
| SHIP FINANCE INTERNATNL | SHS | G81075106 | 69 | 2,325SH | | X |
| SINA CORP | ORD | G81477104 | 5,316 | 126,995SH | X | |
| UTI WORLDWIDE INC | ORD | G87210103 | 321 | 12,000SH | X | |
| TRANSOCEAN INC | ORD | G90078109 | 7,803 | 73,629SH | X | |
| TRANSOCEAN INC | ORD | G90078109 | 298 | 2,810SH | | X |
| GOLAR LNG LTD BERMUDA | SHS | G9456A100 | 2,361 | 141,740SH | X | |
| WEATHERFORD INTERNTNL | COM | G95089101 | 618 | 11,182SH | X | |
| WEATHERFORD INTERNTNL | COM | G95089101 | 151 | 2,735SH | | X |
| WILLIS GROUP HOLDINGS | SHS | G96655108 | 2,956 | 67,097SH | X | |
| XL CAP LTD | CL A | G98255105 | 25,268 | 299,779SH | X | |
| XL CAP LTD | CL A | G98255105 | 1,601 | 18,991SH | | X |
| ALCON INC | COM SHS | H01301102 | 1,634 | 12,109SH | X | |
| ALCON INC | COM SHS | H01301102 | 145 | 1,075SH | | X |
| LOGITECH INTL S A | SHS | H50430232 | 495 | 18,753SH | X | |
| LOGITECH INTL S A | SHS | H50430232 | 98 | 3,714SH | | X |
| UBS AG | SHS NEW | H89231338 | 8,131 | 135,486SH | X | |
| UBS AG | SHS NEW | H89231338 | 938 | 15,639SH | | X |
| MILLICOM INTL CELLULAR | SHS NEW | L6388F110 | 3,704 | 40,423SH | X | |
| GILAT SATELLITE NETWRKS | SHS NEW | M51474118 | 2,263 | 234,961SH | X | |
| QUINTANA MARITIME LTD | SHS | Y7169G109 | 353 | 22,300SH | X | |
| AAR CORP | COM | 000361105 | 3,225 | 97,710SH | X | |
| ABB LTD | SPON ADR | 000375204 | 3,707 | 164,031SH | X | |
| ABB LTD | SPON ADR | 000375204 | 122 | 5,386SH | | X |
| ACCO BRANDS CORP | COM | 00081T108 | 619 | 26,839SH | X | |
| ACCO BRANDS CORP | COM | 00081T108 | 2 | 76SH | | X |
| ABN AMRO HLDG NV | SPON ADR | 000937102 | 240 | 5,237SH | X | |
| ABN AMRO HLDG NV | SPON ADR | 000937102 | 5 | 117SH | | X |
| AFC ENTERPRISES INC | COM | 00104Q107 | 226 | 13,050SH | X | |
| AFLAC INC | COM | 001055102 | 8,459 | 164,580SH | X | |
| AFLAC INC | COM | 001055102 | 667 | 12,969SH | | X |
| AES CORP | COM | 00130H105 | 887 | 40,531SH | X | |
| AES CORP | COM | 00130H105 | 108 | 4,951SH | | X |
| AMR CORP | COM | 001765106 | 292 | 11,077SH | X | |
| AMR CORP | COM | 001765106 | 6 | 220SH | | X |
| AT&T INC | COM | 00206R102 | 50,091 | 1,207,008SH | X | |
| AT&T INC | COM | 00206R102 | 8,430 | 203,136SH | | X |
| AVI BIOPHARMA INC | COM | 002346104 | 238 | 85,000SH | X | |
| ABBOTT LABS | COM | 002824100 | 25,897 | 483,601SH | X | |
| ABBOTT LABS | COM | 002824100 | 7,082 | 132,247SH | | X |
| ACACIA RESH CORP | COM | 003881307 | 3,733 | 230,981SH | X | |
| ACTIVISION INC NEW | COM NEW | 004930202 | 1,680 | 89,970SH | X | |
| ACTUANT CORP | CL A NEW | 00508X203 | 208 | 3,300SH | X | |
| ACTUANT CORP | CL A NEW | 00508X203 | 101 | 1,600SH | | X |
| ACUITY BRANDS INC | COM | 00508Y102 | 370 | 6,134SH | X | |
| ADOBE SYS INC | COM | 00724F101 | 3,359 | 83,662SH | X | |
| ADOBE SYS INC | COM | 00724F101 | 19 | 461SH | | X |

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|-------------------------|------------|-----------|--------|----------|---|---|
| ADVANTAGE ENERGY INC FD | TR UNIT | 00762L101 | 338 | 24,010SH | X | |
| ADVISORY BRD CO | COM | 00762W107 | 3,839 | 69,102SH | X | |
| AEROPOSTALE | COM | 007865108 | 1,683 | 40,375SH | X | |
| AEROPOSTALE | COM | 007865108 | 20 | 470SH | | X |
| AEGON N V | ORDAMERREG | 007924103 | 373 | 19,002SH | X | |
| AEGON N V | ORDAMERREG | 007924103 | 296 | 15,045SH | | X |
| AETNA INC NEW | COM | 00817Y108 | 704 | 14,242SH | X | |
| AETNA INC NEW | COM | 00817Y108 | 500 | 10,127SH | | X |
| AFFILIATED MANAGERS GRP | COM | 008252108 | 10,255 | 79,642SH | X | |
| AGRIUM INC | COM | 008916108 | 393 | 8,980SH | X | |
| AIR PRODS & CHEMS INC | COM | 009158106 | 3,766 | 46,856SH | X | |
| AIR PRODS & CHEMS INC | COM | 009158106 | 1,388 | 17,271SH | | X |
| AIRGAS INC | COM | 009363102 | 409 | 8,542SH | X | |
| AKAMAI TECHNOLOGIES INC | COM | 00971T101 | 4,503 | 92,577SH | X | |

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MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ PRN CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------------|-----------|------------------------------|--------------------|----------------------|--------------------------|------------|-----------------|
| | | | | | | SOLE (A) | SHR (B) | OTHR C (C) M |
| AKAMAI TECHNOLOGIES INC | COM | 00971T101 | 86 | 1,777SH | | | | X |
| AKZO NOBEL NV | SPON ADR | 010199305 | 307 | 3,579SH | | X | | |
| AKZO NOBEL NV | SPON ADR | 010199305 | 133 | 1,545SH | | | | X |
| ALBANY INTL CORP | CL A | 012348108 | 279 | 6,904SH | | X | | |
| ALCOA INC | COM | 013817101 | 5,268 | 129,978SH | | X | | |
| ALCOA INC | COM | 013817101 | 1,970 | 48,598SH | | | | X |
| ALCATEL-LUCENT | SPON ADR | 013904305 | 838 | 59,866SH | | X | | |
| ALCATEL-LUCENT | SPON ADR | 013904305 | 688 | 49,121SH | | | | X |
| ALEXION PHARMACEUTICALS | COM | 015351109 | 3,803 | 84,405SH | | X | | |
| ALLEGHENY ENERGY INC | COM | 017361106 | 926 | 17,906SH | | X | | |
| ALLEGHENY ENERGY INC | COM | 017361106 | 28 | 543SH | | | | X |
| ALLEGHENY TECHNOLOGIES | COM | 01741R102 | 1,081 | 10,310SH | | X | | |
| ALLEGHENY TECHNOLOGIES | COM | 01741R102 | 28 | 266SH | | | | X |
| ALLERGAN INC | COM | 018490102 | 4,075 | 70,696SH | | X | | |
| ALLERGAN INC | COM | 018490102 | 102 | 1,778SH | | | | X |
| ALLETE INC | COM NEW | 018522300 | 422 | 8,964SH | | X | | |
| ALLETE INC | COM NEW | 018522300 | 23 | 486SH | | | | X |
| ALLIANCE RES PARTNR LP | UT LP | 01877R108 | 210 | 5,000SH | | | | X |
| ALLIANT ENERGY CORP | COM | 018802108 | 2,665 | 68,586SH | | X | | |
| ALLIANT ENERGY CORP | COM | 018802108 | 319 | 8,211SH | | | | X |
| ALLIANT TECHSYSTEMS INC | COM | 018804104 | 13,323 | 134,370SH | | X | | |
| ALLIANZ SE | SP ADR | 018805101 | 149 | 6,408SH | | X | | |
| ALLIANZ SE | SP ADR | 018805101 | 124 | 5,325SH | | | | X |
| ALLIANCEBERNSTN INC FD | COM | 01881E101 | 84 | 10,215SH | | X | | |
| ALLIANCEBERNSTN INC FD | COM | 01881E101 | 20 | 2,403SH | | | | X |
| ALLIANCEBERNSTEIN HLDG | UNIT LP | 01881G106 | 31 | 357SH | | X | | |
| ALLIANCEBERNSTEIN HLDG | UNIT LP | 01881G106 | 540 | 6,200SH | | | | X |

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| | | | | | | |
|--------------------------|-------------|-----------|--------|-----------|---|---|
| ALLIED CAP CORP NEW | COM | 01903Q108 | 301 | 9,733SH | X | |
| ALLIED CAP CORP NEW | COM | 01903Q108 | 66 | 2,125SH | | X |
| ALLIED IRISH BKS P L C | SPON ADR | 019228402 | 324 | 5,900SH | X | |
| ALLIED IRISH BKS P L C | SPON ADR | 019228402 | 131 | 2,390SH | | X |
| ALLIED WASTE INDS INC | COM | 019589308 | 266 | 19,782SH | X | |
| ALLSTATE CORP | COM | 020002101 | 11,567 | 188,048SH | X | |
| ALLSTATE CORP | COM | 020002101 | 679 | 11,033SH | | X |
| ALLTEL CORP | COM | 020039103 | 8,511 | 125,989SH | X | |
| ALLTEL CORP | COM | 020039103 | 147 | 2,173SH | | X |
| ALTERA CORP | COM | 021441100 | 561 | 25,354SH | X | |
| ALTERA CORP | COM | 021441100 | 17 | 785SH | | X |
| ALTRIA GROUP INC | COM | 02209S103 | 41,736 | 595,042SH | X | |
| ALTRIA GROUP INC | COM | 02209S103 | 16,622 | 236,977SH | | X |
| ALUMINA LTD | SPON ADR | 022205108 | 478 | 17,992SH | | X |
| AMBAC FINL GROUP INC | COM | 023139108 | 15,360 | 176,170SH | X | |
| AMBAC FINL GROUP INC | COM | 023139108 | 61 | 702SH | | X |
| AMEREN CORP | COM | 023608102 | 8,477 | 172,964SH | X | |
| AMEREN CORP | COM | 023608102 | 304 | 6,193SH | | X |
| AMERICA MOVIL SAB DE CV | SPONADR LSH | 02364W105 | 3,169 | 51,166SH | X | |
| AMERICA MOVIL SAB DE CV | SPONADR LSH | 02364W105 | 416 | 6,725SH | | X |
| AMCORE FINL INC | COM | 023912108 | 138 | 4,759SH | X | |
| AMCORE FINL INC | COM | 023912108 | 443 | 15,297SH | | X |
| AMERICAN CAPITAL STRTGS | COM | 024937104 | 1,361 | 32,001SH | X | |
| AMERICAN CAPITAL STRTGS | COM | 024937104 | 91 | 2,140SH | | X |
| AMERICAN EAGLE OUTFTRS | COM | 02553E106 | 1,233 | 48,035SH | X | |
| AMERICAN EAGLE OUTFTRS | COM | 02553E106 | 20 | 797SH | | X |
| AMERICAN ELEC PWR INC | COM | 025537101 | 4,448 | 98,758SH | X | |
| AMERICAN ELEC PWR INC | COM | 025537101 | 174 | 3,866SH | | X |
| AMERICAN EXPRESS CO | COM | 025816109 | 10,914 | 178,384SH | X | |
| AMERICAN EXPRESS CO | COM | 025816109 | 2,442 | 39,922SH | | X |
| AMERICAN INTL GROUP INC | COM | 026874107 | 29,230 | 417,388SH | X | |
| AMERICAN INTL GROUP INC | COM | 026874107 | 3,401 | 48,565SH | | X |
| AMERICAN STD COS INC | COM | 029712106 | 812 | 13,768SH | X | |
| AMERICAN STD COS INC | COM | 029712106 | 16 | 279SH | | X |
| AMERICAN STS WTR CO | COM | 029899101 | 494 | 13,900SH | X | |
| AMERICAN TOWER CORP | CL A | 029912201 | 3,055 | 72,749SH | X | |
| AMERICAN TOWER CORP | CL A | 029912201 | 126 | 3,000SH | | X |
| AMERICAN TECHNOLOGY CORP | COM NEW | 030145205 | 38 | 10,000SH | | X |
| AMERISAFE INC | COM | 03071H100 | 3,201 | 163,078SH | X | |
| AMERON INTL INC | COM | 030710107 | 3,112 | 34,502SH | X | |
| AMERISOURCEBERGEN CORP | COM | 03073E105 | 14,562 | 294,361SH | X | |
| AMERISOURCEBERGEN CORP | COM | 03073E105 | 34 | 680SH | | X |
| AMERIPRISE FINL INC | COM | 03076C106 | 4,829 | 75,969SH | X | |
| AMERIPRISE FINL INC | COM | 03076C106 | 258 | 4,062SH | | X |
| AMETEK INC NEW | COM | 031100100 | 222 | 5,588SH | X | |
| AMETEK INC NEW | COM | 031100100 | 35 | 870SH | | X |
| AMGEN INC | COM | 031162100 | 11,779 | 213,048SH | X | |
| AMGEN INC | COM | 031162100 | 955 | 17,267SH | | X |
| AMPHENOL CORP NEW | CL A | 032095101 | 1,912 | 53,630SH | X | |
| AMPHENOL CORP NEW | CL A | 032095101 | 47 | 1,306SH | | X |
| ANADARKO PETE CORP | COM | 032511107 | 1,454 | 27,976SH | X | |
| ANADARKO PETE CORP | COM | 032511107 | 432 | 8,305SH | | X |
| ANADIGICS INC | COM | 032515108 | 2,404 | 174,324SH | X | |
| ANALOG DEVICES INC | COM | 032654105 | 2,622 | 69,657SH | X | |
| ANALOG DEVICES INC | COM | 032654105 | 238 | 6,328SH | | X |
| ANCHOR BANCORP WIS INC | COM | 032839102 | 288 | 11,011SH | X | |
| ANCHOR BANCORP WIS INC | COM | 032839102 | 599 | 22,880SH | | X |
| ANDREW CORP | COM | 034425108 | 1,162 | 80,460SH | X | |
| ANDREW CORP | COM | 034425108 | 1 | 100SH | | X |
| ANGLOGOLD ASHANTI LTD | SPONS ADR | 035128206 | 8 | 200SH | X | |
| ANGLOGOLD ASHANTI LTD | SPONS ADR | 035128206 | 467 | 12,354SH | | X |

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REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ PRN CALL | INVESTMENT DISCRETION | | |
|------------------------|----------------------|-----------|------------------------------|--------------------|----------------------|--------------------------|------------|-----------------|
| | | | | | | SOLE (A) | SHR (B) | OTHR O (C) M |
| ANHEUSER BUSCH COS INC | COM | 035229103 | 6,617 | 126,853SH | | X | | |
| ANHEUSER BUSCH COS INC | COM | 035229103 | 4,730 | 90,675SH | | | | X |
| ANSYS INC | COM | 03662Q105 | 4,220 | 159,230SH | | X | | |
| ANTHRACITE CAP INC | COM | 037023108 | 185 | 15,850SH | | X | | |
| AON CORP | COM | 037389103 | 538 | 12,630SH | | X | | |
| AON CORP | COM | 037389103 | 151 | 3,540SH | | | | X |
| APACHE CORP | COM | 037411105 | 15,410 | 188,874SH | | X | | |
| APACHE CORP | COM | 037411105 | 1,217 | 14,910SH | | | | X |
| APARTMENT INVT&MGMT CO | CL A | 03748R101 | 4,769 | 94,585SH | | X | | |
| APARTMENT INVT&MGMT CO | CL A | 03748R101 | 101 | 2,004SH | | | | X |
| APOGEE ENTERPRISES INC | COM | 037598109 | 4,840 | 173,982SH | | X | | |
| APOGEE ENTERPRISES INC | COM | 037598109 | 127 | 4,548SH | | | | X |
| APOLLO GROUP INC | CL A | 037604105 | 311 | 5,318SH | | X | | |
| APOLLO GROUP INC | CL A | 037604105 | 9 | 153SH | | | | X |
| APOLLO INVT CORP | COM | 03761U106 | 202 | 9,365SH | | X | | |
| APOLLO INVT CORP | COM | 03761U106 | 24 | 1,112SH | | | | X |
| APPLE INC | COM | 037833100 | 16,369 | 134,130SH | | X | | |
| APPLE INC | COM | 037833100 | 769 | 6,298SH | | | | X |
| APRIA HEALTHCARE GRP | COM | 037933108 | 245 | 8,513SH | | X | | |
| APPLERA CORP | COM | 038020103 | 920 | 30,139SH | | X | | |
| APPLERA CORP | COM | 038020103 | 3 | 100SH | | | | X |
| APPLIED MATLS INC | COM | 038222105 | 13,892 | 699,137SH | | X | | |
| APPLIED MATLS INC | COM | 038222105 | 751 | 37,819SH | | | | X |
| AQUILA INC | COM | 03840P102 | 114 | 27,836SH | | X | | |
| ARCELOR MITTAL | NY REG CLA | 03937E101 | 665 | 10,662SH | | X | | |
| ARCHER DANIELS MIDLAND | COM | 039483102 | 4,488 | 135,635SH | | X | | |
| ARCHER DANIELS MIDLAND | COM | 039483102 | 244 | 7,379SH | | | | X |
| ARCHSTONE SMITH TR | COM | 039583109 | 5,163 | 87,345SH | | X | | |
| ARCHSTONE SMITH TR | COM | 039583109 | 46 | 780SH | | | | X |
| ARENA RESOURCES INC | COM | 040049108 | 4,305 | 74,077SH | | X | | |
| ARROW ELECTRS INC | COM | 042735100 | 8,729 | 227,131SH | | X | | |
| ARUBA NETWORKS INC | COM | 043176106 | 2,957 | 147,127SH | | X | | |
| ARVINMERITOR INC | COM | 043353101 | 257 | 11,575SH | | X | | |
| ASHLAND INC NEW | COM | 044209104 | 260 | 4,071SH | | X | | |
| ASHLAND INC NEW | COM | 044209104 | 63 | 985SH | | | | X |
| ASSOCIATED BANC CORP | COM | 045487105 | 7,233 | 221,203SH | | X | | |
| ASSOCIATED BANC CORP | COM | 045487105 | 2,068 | 63,243SH | | | | X |
| ASTRAZENECA PLC | SPONS ADR | 046353108 | 98 | 1,831SH | | X | | |
| ASTRAZENECA PLC | SPONS ADR | 046353108 | 108 | 2,020SH | | | | X |
| AUTODESK INC | COM | 052769106 | 4,228 | 89,815SH | | X | | |
| AUTODESK INC | COM | 052769106 | 28 | 592SH | | | | X |
| AUTOLIV INC | COM | 052800109 | 10,278 | 180,730SH | | X | | |

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| | | | | | | | |
|-------------------------|-------------|-----------|--------|-----------|--|---|---|
| AUTOLIV INC | COM | 052800109 | 124 | 2,175SH | | | X |
| AUTOMATIC DATA PROCESSG | COM | 053015103 | 1,591 | 32,834SH | | X | |
| AUTOMATIC DATA PROCESSG | COM | 053015103 | 1,325 | 27,327SH | | | X |
| AUTONATION INC | COM | 05329W102 | 279 | 12,419SH | | X | |
| AUTONATION INC | COM | 05329W102 | 9 | 386SH | | | X |
| AUTOZONE INC | COM | 053332102 | 930 | 6,809SH | | X | |
| AUTOZONE INC | COM | 053332102 | 36 | 267SH | | | X |
| AVALONBAY CMNTYS INC | COM | 053484101 | 662 | 5,570SH | | X | |
| AVAYA INC | COM | 053499109 | 625 | 37,120SH | | X | |
| AVAYA INC | COM | 053499109 | 14 | 814SH | | | X |
| AVERY DENNISON CORP | COM | 053611109 | 2,635 | 39,630SH | | X | |
| AVERY DENNISON CORP | COM | 053611109 | 308 | 4,640SH | | | X |
| AVNET INC | COM | 053807103 | 1,074 | 27,095SH | | X | |
| AVNET INC | COM | 053807103 | 22 | 567SH | | | X |
| AVON PRODS INC | COM | 054303102 | 624 | 16,972SH | | X | |
| AVON PRODS INC | COM | 054303102 | 2 | 41SH | | | X |
| BB&T CORP | COM | 054937107 | 8,661 | 212,905SH | | X | |
| BB&T CORP | COM | 054937107 | 117 | 2,885SH | | | X |
| B & G FOODS INC NEW | UNIT | 05508R205 | 40 | 2,000SH | | X | |
| B & G FOODS INC NEW | UNIT | 05508R205 | 304 | 15,000SH | | | X |
| BJS WHOLESALE CLUB INC | COM | 05548J106 | 11,167 | 309,946SH | | X | |
| BJ SVCS CO | COM | 055482103 | 2,140 | 75,238SH | | X | |
| BJ SVCS CO | COM | 055482103 | 11 | 393SH | | | X |
| BP PLC | SPONS ADR | 055622104 | 14,363 | 199,095SH | | X | |
| BP PLC | SPONS ADR | 055622104 | 7,564 | 104,847SH | | | X |
| BPZ ENERGY INC | COM | 055639108 | 3,768 | 675,354SH | | X | |
| BMC SOFTWARE INC | COM | 055921100 | 1,418 | 46,783SH | | X | |
| BMC SOFTWARE INC | COM | 055921100 | 74 | 2,427SH | | | X |
| BADGER METER INC | COM | 056525108 | 27,135 | 960,193SH | | X | |
| BADGER METER INC | COM | 056525108 | 531 | 18,800SH | | | X |
| BAKER HUGHES INC | COM | 057224107 | 2,922 | 34,734SH | | X | |
| BAKER HUGHES INC | COM | 057224107 | 34 | 400SH | | | X |
| BALDOR ELEC CO | COM | 057741100 | 299 | 6,076SH | | X | |
| BALL CORP | COM | 058498106 | 2,283 | 42,935SH | | X | |
| BALL CORP | COM | 058498106 | 53 | 992SH | | | X |
| BANK OF AMERICA CORP | COM | 060505104 | 43,358 | 886,850SH | | X | |
| BANK OF AMERICA CORP | COM | 060505104 | 5,940 | 121,507SH | | | X |
| BANK MUTUAL CORP NEW | COM | 063750103 | 300 | 26,021SH | | X | |
| BANK MUTUAL CORP NEW | COM | 063750103 | 201 | 17,390SH | | | X |
| BANK NEW YORK INC COM | | 064057102 | 3,524 | 85,048SH | | X | |
| BANK NEW YORK INC COM | | 064057102 | 457 | 11,036SH | | | X |
| BANKUNITED FINL CORP | CL A | 06652B103 | 206 | 10,262SH | | X | |
| BANKUNITED FINL CORP | CL A | 06652B103 | 13 | 670SH | | | X |
| BARCLAYS BK PLC | DJAIGCMTY36 | 06738C778 | 516 | 10,158SH | | X | |
| BARCLAYS PLC | ADR | 06738E204 | 342 | 6,138SH | | X | |
| BARCLAYS PLC | ADR | 06738E204 | 8 | 150SH | | | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

INVESTMENT
DISCRETION

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| NAME OF ISSUER | TITLE | CUSIP | MARKET | SHRS OR PRN AMT | SH/ PUT/ CALL | SOLE (A) | SHR (B) | OTHR (C) | M |
|-------------------------|-------------|-----------|--------------------|--------------------|---------------------|-------------|------------|-------------|---|
| | OF CLASS | | VALUE (X\$1000) | | | | | | |
| BARD C R INC | COM | 067383109 | 2,872 | 34,760SH | | X | | | |
| BARD C R INC | COM | 067383109 | 1,813 | 21,940SH | | | | X | |
| BARRICK GOLD CORP | COM | 067901108 | 61 | 2,085SH | | X | | | |
| BARRICK GOLD CORP | COM | 067901108 | 1,243 | 42,750SH | | | | X | |
| BAXTER INTL INC | COM | 071813109 | 16,210 | 287,709SH | | X | | | |
| BAXTER INTL INC | COM | 071813109 | 1,320 | 23,434SH | | | | X | |
| BE AEROSPACE INC | COM | 073302101 | 5,220 | 126,392SH | | X | | | |
| BE AEROSPACE INC | COM | 073302101 | 23 | 555SH | | | | X | |
| BEAR STEARNS COS INC | COM | 073902108 | 8,264 | 59,030SH | | X | | | |
| BEAR STEARNS COS INC | COM | 073902108 | 159 | 1,138SH | | | | X | |
| BECTON DICKINSON & CO | COM | 075887109 | 1,719 | 23,068SH | | X | | | |
| BECTON DICKINSON & CO | COM | 075887109 | 14 | 193SH | | | | X | |
| BED BATH & BEYOND INC | COM | 075896100 | 242 | 6,713SH | | X | | | |
| BED BATH & BEYOND INC | COM | 075896100 | 4 | 99SH | | | | X | |
| BELDEN INC | COM | 077454106 | 632 | 11,417SH | | X | | | |
| BEMIS INC | COM | 081437105 | 567 | 17,098SH | | X | | | |
| BEMIS INC | COM | 081437105 | 8 | 245SH | | | | X | |
| BERKLEY W R CORP | COM | 084423102 | 2,419 | 74,341SH | | X | | | |
| BERKLEY W R CORP | COM | 084423102 | 32 | 980SH | | | | X | |
| BERKSHIRE HATHAWAY INC | CL A | 084670108 | 328 | 3SH | | X | | | |
| BERKSHIRE HATHAWAY INC | CL A | 084670108 | 1,861 | 17SH | | | | X | |
| BERKSHIRE HATHAWAY INC | CL B | 084670207 | 4,002 | 1,110SH | | X | | | |
| BERKSHIRE HATHAWAY INC | CL B | 084670207 | 1,597 | 443SH | | | | X | |
| BEST BUY INC | COM | 086516101 | 6,551 | 140,359SH | | X | | | |
| BEST BUY INC | COM | 086516101 | 1,453 | 31,135SH | | | | X | |
| BHP BILLITON LTD | SPON ADR | 088606108 | 168 | 2,806SH | | X | | | |
| BHP BILLITON LTD | SPON ADR | 088606108 | 735 | 12,300SH | | | | X | |
| BIG LOTS INC | COM | 089302103 | 897 | 30,500SH | | X | | | |
| BIG LOTS INC | COM | 089302103 | 5 | 155SH | | | | X | |
| BIO-REFERENCE LABS INC | COM | 09057G602 | 1,525 | 55,745SH | | X | | | |
| BIO RAD LABS INC | CL A | 090572207 | 304 | 4,025SH | | X | | | |
| BIOMARIN PHARMACEUTICAL | COM | 09061G101 | 4,090 | 227,998SH | | X | | | |
| BIOMET INC | COM | 090613100 | 216 | 4,731SH | | X | | | |
| BIOMET INC | COM | 090613100 | 94 | 2,046SH | | | | X | |
| BIOGEN IDEC INC | COM | 09062X103 | 2,487 | 46,492SH | | X | | | |
| BIOGEN IDEC INC | COM | 09062X103 | 49 | 920SH | | | | X | |
| BIOVAIL CORP | COM | 09067J109 | 9,669 | 380,374SH | | X | | | |
| BLACK & DECKER CORP | COM | 091797100 | 799 | 9,052SH | | X | | | |
| BLACK & DECKER CORP | COM | 091797100 | 6 | 73SH | | | | X | |
| BLACKROCK INC | COM | 09247X101 | 331 | 2,114SH | | X | | | |
| BLACKROCK INC | COM | 09247X101 | 7 | 45SH | | | | X | |
| BLOCK H & R INC | COM | 093671105 | 6,734 | 288,131SH | | X | | | |
| BLOCK H & R INC | COM | 093671105 | 124 | 5,315SH | | | | X | |
| BLUE COAT SYSTEMS INC | COM NEW | 09534T508 | 3,122 | 63,055SH | | X | | | |
| BOEING CO | COM | 097023105 | 26,322 | 273,731SH | | X | | | |
| BOEING CO | COM | 097023105 | 2,348 | 24,416SH | | | | X | |
| BORG WARNER INC | COM | 099724106 | 987 | 11,467SH | | X | | | |
| BOSTON PROPERTIES INC | COM | 101121101 | 1,915 | 18,746SH | | X | | | |
| BOSTON PROPERTIES INC | COM | 101121101 | 26 | 254SH | | | | X | |
| BOSTON SCIENTIFIC CORP | COM | 101137107 | 259 | 16,874SH | | X | | | |
| BOSTON SCIENTIFIC CORP | COM | 101137107 | 50 | 3,239SH | | | | X | |
| BRADY CORP | CL A | 104674106 | 112 | 3,012SH | | X | | | |
| BRADY CORP | CL A | 104674106 | 1,833 | 49,341SH | | | | X | |
| BRIGGS & STRATTON CORP | COM | 109043109 | 1,731 | 54,835SH | | X | | | |
| BRIGGS & STRATTON CORP | COM | 109043109 | 465 | 14,720SH | | | | X | |
| BRINKER INTL INC | COM | 109641100 | 1,690 | 57,737SH | | X | | | |
| BRINKS CO | COM | 109696104 | 279 | 4,511SH | | X | | | |

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| | | | | | | |
|-------------------------|------------|-----------|--------|-----------|---|---|
| BRISTOL MYERS SQUIBB CO | COM | 110122108 | 20,730 | 656,844SH | X | |
| BRISTOL MYERS SQUIBB CO | COM | 110122108 | 2,638 | 83,601SH | | X |
| BRITISH SKY BROADCASTNG | SPON ADR | 111013108 | 320 | 6,205SH | X | |
| BRITISH SKY BROADCASTNG | SPON ADR | 111013108 | 5 | 100SH | | X |
| BROADCOM CORP | CL A | 111320107 | 2,072 | 70,841SH | X | |
| BROADCOM CORP | CL A | 111320107 | 8 | 278SH | | X |
| BROOKFIELD ASSET MGMT | CL A VT SH | 112585104 | 181 | 4,545SH | X | |
| BROOKFIELD ASSET MGMT | CL A VT SH | 112585104 | 131 | 3,291SH | | X |
| BROWN FORMAN CORP | CL B | 115637209 | 280 | 3,831SH | X | |
| BROWN FORMAN CORP | CL B | 115637209 | 4 | 61SH | | X |
| BRUNSWICK CORP | COM | 117043109 | 1,184 | 36,294SH | X | |
| BRUNSWICK CORP | COM | 117043109 | 14 | 419SH | | X |
| BURLINGTN NRTHN SNTA FE | COM | 12189T104 | 3,507 | 41,195SH | X | |
| BURLINGTN NRTHN SNTA FE | COM | 12189T104 | 874 | 10,271SH | | X |
| CBS CORP NEW | CL B | 124857202 | 7,398 | 222,022SH | X | |
| CBS CORP NEW | CL B | 124857202 | 131 | 3,931SH | | X |
| CB RICHARD ELLIS GROUP | CL A | 12497T101 | 2,308 | 63,230SH | X | |
| CB RICHARD ELLIS GROUP | CL A | 12497T101 | 223 | 6,115SH | | X |
| C H ROBINSON WORLDWIDE | COM NEW | 12541W209 | 815 | 15,527SH | X | |
| C H ROBINSON WORLDWIDE | COM NEW | 12541W209 | 47 | 900SH | | X |
| CIGNA CORP | COM | 125509109 | 1,421 | 27,205SH | X | |
| CIGNA CORP | COM | 125509109 | 280 | 5,359SH | | X |
| CIT GROUP INC | COM | 125581108 | 12,041 | 219,612SH | X | |
| CIT GROUP INC | COM | 125581108 | 103 | 1,880SH | | X |
| CMS ENERGY CORP | COM | 125896100 | 9,530 | 554,081SH | X | |
| CMS ENERGY CORP | COM | 125896100 | 1 | 45SH | | X |
| CSX CORP | COM | 126408103 | 900 | 19,955SH | X | |
| CSX CORP | COM | 126408103 | 267 | 5,926SH | | X |
| CTC MEDIA INC | COM | 12642X106 | 6,091 | 224,423SH | X | |
| CVS CAREMARK CORP | COM | 126650100 | 7,239 | 198,603SH | X | |
| CVS CAREMARK CORP | COM | 126650100 | 346 | 9,493SH | | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|------------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| CA INC | COM | 12673P105 | 263 | 10,167SH | X | | | |
| CA INC | COM | 12673P105 | 178 | 6,873SH | | | | X |
| CABELAS INC | COM | 126804301 | 4,358 | 196,909SH | X | | | |
| CADENCE DESIGN SYSTEM | COM | 127387108 | 8,586 | 390,991SH | X | | | |
| CALAMOS STRATEGIC TOTAL | COM SH BEN | I128125101 | 153 | 10,116SH | X | | | |
| CALGON CARBON CORP | COM | 129603106 | 513 | 44,200SH | X | | | |
| CALGON CARBON CORP | COM | 129603106 | 2 | 200SH | | | | X |
| CAMECO CORP | COM | 13321L108 | 3,966 | 78,169SH | X | | | |
| CAMECO CORP | COM | 13321L108 | 604 | 11,900SH | | | | X |
| CAMPBELL SOUP CO | COM | 134429109 | 1,861 | 47,955SH | X | | | |

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| | | | | | | | |
|-------------------------|------------|-----------|--------|-------------|--|---|---|
| CAMPBELL SOUP CO | COM | 134429109 | 151 | 3,902SH | | | X |
| CANON INC | ADR | 138006309 | 779 | 13,282SH | | X | |
| CANON INC | ADR | 138006309 | 5 | 90SH | | | X |
| CAPITAL ONE FINL CORP | COM | 14040H105 | 454 | 5,786SH | | X | |
| CAPITAL ONE FINL CORP | COM | 14040H105 | 772 | 9,840SH | | | X |
| CAPSTONE TURBINE CORP | COM | 14067D102 | 16 | 15,000SH | | | X |
| CARDINAL HEALTH INC | COM | 14149Y108 | 7,763 | 109,889SH | | X | |
| CARDINAL HEALTH INC | COM | 14149Y108 | 827 | 11,702SH | | | X |
| CARNIVAL CORP | PAIRED CTF | 143658300 | 467 | 9,568SH | | X | |
| CARNIVAL CORP | PAIRED CTF | 143658300 | 379 | 7,775SH | | | X |
| CATERPILLAR INC DEL | COM | 149123101 | 6,859 | 87,596SH | | X | |
| CATERPILLAR INC DEL | COM | 149123101 | 3,790 | 48,408SH | | | X |
| CBEYOND INC | COM | 149847105 | 2,779 | 72,152SH | | X | |
| CELGENE CORP | COM | 151020104 | 4,360 | 76,053SH | | X | |
| CELGENE CORP | COM | 151020104 | 154 | 2,694SH | | | X |
| CEMEX SAB DE CV | SPON ADR | 151290889 | 622 | 16,843SH | | X | |
| CEMEX SAB DE CV | SPON ADR | 151290889 | 78 | 2,113SH | | | X |
| CENTERPOINT ENERGY INC | COM | 15189T107 | 4,515 | 259,505SH | | X | |
| CENTERPOINT ENERGY INC | COM | 15189T107 | 41 | 2,369SH | | | X |
| CENTERPLATE INC | UNIT | 15200E204 | 35 | 2,000SH | | X | |
| CENTERPLATE INC | UNIT | 15200E204 | 326 | 18,500SH | | | X |
| CENTRAL EUROPEAN DIST | COM | 153435102 | 5,497 | 158,777SH | | X | |
| CENTRAL FD CDA LTD | CL A | 153501101 | 91 | 10,000SH | | X | |
| CENTRAL FD CDA LTD | CL A | 153501101 | 2 | 200SH | | | X |
| CEPHEID | COM | 15670R107 | 3,198 | 219,040SH | | X | |
| CENVEO INC | COM | 15670S105 | 260 | 11,200SH | | X | |
| CENTURYTEL INC | COM | 156700106 | 185 | 3,776SH | | X | |
| CENTURYTEL INC | COM | 156700106 | 60 | 1,215SH | | | X |
| CEPHALON INC | COM | 156708109 | 3,162 | 39,336SH | | X | |
| CERNER CORP | COM | 156782104 | 2,038 | 36,732SH | | X | |
| CHARLES RIV LABS INTL | COM | 159864107 | 69 | 1,336SH | | X | |
| CHARLES RIV LABS INTL | COM | 159864107 | 239 | 4,630SH | | | X |
| CHECKPOINT SYS INC | COM | 162825103 | 401 | 15,878SH | | X | |
| CHESAPEAKE ENERGY CORP | COM | 165167107 | 3,480 | 100,571SH | | X | |
| CHESAPEAKE ENERGY CORP | COM | 165167107 | 148 | 4,290SH | | | X |
| CHEVRON CORP NEW | COM | 166764100 | 74,467 | 883,984SH | | X | |
| CHEVRON CORP NEW | COM | 166764100 | 7,370 | 87,487SH | | | X |
| CHICAGO BRDGE & IRON CO | N Y REG SH | 167250109 | 1,893 | 50,160SH | | X | |
| CHICAGO MERCANTILE HLDG | CL A | 167760107 | 3,594 | 6,725SH | | X | |
| CHICAGO MERCANTILE HLDG | CL A | 167760107 | 183 | 342SH | | | X |
| CHICOS FAS INC | COM | 168615102 | 7,072 | 290,559SH | | X | |
| CHICOS FAS INC | COM | 168615102 | 7 | 300SH | | | X |
| CHUBB CORP | COM | 171232101 | 9,869 | 182,287SH | | X | |
| CHUBB CORP | COM | 171232101 | 357 | 6,601SH | | | X |
| CHUNGHWA TELECOM CO LTD | SPON ADR | 17133Q205 | 815 | 43,208SH | | | X |
| CINCINNATI FINL CORP | COM | 172062101 | 5,877 | 135,408SH | | X | |
| CINCINNATI FINL CORP | COM | 172062101 | 82 | 1,893SH | | | X |
| CIRCOR INTL INC | COM | 17273K109 | 222 | 5,500SH | | X | |
| CISCO SYS INC | COM | 17275R102 | 37,667 | 1,352,478SH | | X | |
| CISCO SYS INC | COM | 17275R102 | 4,980 | 178,824SH | | | X |
| CITADEL BROADCSTNG CORP | COM | 17285T106 | 221 | 34,208SH | | X | |
| CITADEL BROADCSTNG CORP | COM | 17285T106 | 25 | 3,866SH | | | X |
| CINTAS CORP | COM | 172908105 | 952 | 24,151SH | | X | |
| CINTAS CORP | COM | 172908105 | 18 | 450SH | | | X |
| CITIGROUP INC | COM | 172967101 | 61,742 | 1,203,787SH | | X | |
| CITIGROUP INC | COM | 172967101 | 6,658 | 129,809SH | | | X |
| CITIZENS COMMUNICATIONS | COCOM | 17453B101 | 16,409 | 1,074,581SH | | X | |
| CITIZENS COMMUNICATIONS | COCOM | 17453B101 | 183 | 11,985SH | | | X |
| CITRIX SYS INC | COM | 177376100 | 593 | 17,617SH | | X | |
| CITRIX SYS INC | COM | 177376100 | 17 | 501SH | | | X |
| CITY NATL CORP | COM | 178566105 | 5,647 | 74,210SH | | X | |
| CLARCOR INC | COM | 179895107 | 52 | 1,383SH | | X | |

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| | | | | | | | | | | |
|--------------------------|---------|-----------|--------|-----------|--|---|--|--|--|---|
| CLARCOR INC | COM | 179895107 | 524 | 14,000SH | | | | | | X |
| CLEAR CHANNEL COMM | COM | 184502102 | 8,320 | 219,993SH | | X | | | | |
| CLEAR CHANNEL COMM | COM | 184502102 | 92 | 2,426SH | | | | | | X |
| CLOROX CO DEL | COM | 189054109 | 1,021 | 16,445SH | | X | | | | |
| CLOROX CO DEL | COM | 189054109 | 65 | 1,053SH | | | | | | X |
| COACH INC | COM | 189754104 | 8,406 | 177,388SH | | X | | | | |
| COACH INC | COM | 189754104 | 1,201 | 25,346SH | | | | | | X |
| COCA COLA CO | COM | 191216100 | 28,876 | 552,008SH | | X | | | | |
| COCA COLA CO | COM | 191216100 | 5,048 | 96,493SH | | | | | | X |
| COCA COLA ENTERPRISES | COM | 191219104 | 9,390 | 391,255SH | | X | | | | |
| COCA COLA ENTERPRISES | COM | 191219104 | 15 | 631SH | | | | | | X |
| COEUR D ALENE MINES CRP | COM | 192108108 | 39 | 11,000SH | | X | | | | |
| COGENT COMM GROUP INC | COM NEW | 19239V302 | 209 | 7,000SH | | X | | | | |
| COGNIZANT TECHNOLOGY SOL | CL A | 192446102 | 2,686 | 35,812SH | | X | | | | |
| COGNIZANT TECHNOLOGY SOL | CL A | 192446102 | 173 | 2,301SH | | | | | | X |
| COLGATE PALMOLIVE CO | COM | 194162103 | 18,564 | 286,260SH | | X | | | | |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | | | |
|-------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|--|---|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) | | |
| COLGATE PALMOLIVE CO | COM | 194162103 | 2,688 | 41,444SH | | | | | | X |
| COMCAST CORP NEW | CL A | 20030N101 | 19,382 | 689,266SH | | X | | | | |
| COMCAST CORP NEW | CL A | 20030N101 | 986 | 35,078SH | | | | | | X |
| COMCAST CORP NEW | CL A SPL | 20030N200 | 172 | 6,164SH | | X | | | | |
| COMCAST CORP NEW | CL A SPL | 20030N200 | 628 | 22,445SH | | | | | | X |
| COMERICA INC | COM | 200340107 | 6,245 | 105,003SH | | X | | | | |
| COMERICA INC | COM | 200340107 | 302 | 5,080SH | | | | | | X |
| COMMERCE BANCORP INC NJ | COM | 200519106 | 280 | 7,565SH | | X | | | | |
| COMMERCE BANCSHARES INC | COM | 200525103 | 3,461 | 76,406SH | | X | | | | |
| COMMERCE BANCSHARES INC | COM | 200525103 | 1,168 | 25,789SH | | | | | | X |
| COMMERCE GROUP INC MASS | COM | 200641108 | 39 | 1,124SH | | X | | | | |
| COMMERCE GROUP INC MASS | COM | 200641108 | 195 | 5,610SH | | | | | | X |
| COMPASS BANCSHARES INC | COM | 20449H109 | 820 | 11,885SH | | X | | | | |
| COMPASS BANCSHARES INC | COM | 20449H109 | 6 | 86SH | | | | | | X |
| COMPUTER SCIENCES CORP | COM | 205363104 | 1,759 | 29,740SH | | X | | | | |
| COMPUTER SCIENCES CORP | COM | 205363104 | 83 | 1,398SH | | | | | | X |
| COMPUWARE CORP | COM | 205638109 | 476 | 40,128SH | | X | | | | |
| COMPUWARE CORP | COM | 205638109 | 1 | 85SH | | | | | | X |
| CONAGRA FOODS INC | COM | 205887102 | 11,284 | 420,102SH | | X | | | | |
| CONAGRA FOODS INC | COM | 205887102 | 58 | 2,166SH | | | | | | X |
| CONOCOPHILLIPS | COM | 20825C104 | 28,796 | 366,833SH | | X | | | | |
| CONOCOPHILLIPS | COM | 20825C104 | 2,953 | 37,616SH | | | | | | X |
| CONSECO INC | COM NEW | 208464883 | 288 | 13,779SH | | X | | | | |
| CONSOL ENERGY INC | COM | 20854P109 | 205 | 4,450SH | | X | | | | |
| CONSOLIDATED COMM HLDGS | COM | 209034107 | 219 | 9,700SH | | | | | | X |

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| | | | | | | |
|-------------------------|----------|-----------|--------|-----------|---|---|
| CONSOLIDATED EDISON INC | COM | 209115104 | 9,303 | 206,179SH | X | |
| CONSOLIDATED EDISON INC | COM | 209115104 | 277 | 6,129SH | | X |
| CONSOLIDTD GRAPHICS INC | COM | 209341106 | 319 | 4,607SH | X | |
| CONSTELLATION BRNDS INC | CL A | 21036P108 | 230 | 9,471SH | X | |
| CONSTELLATION BRNDS INC | CL A | 21036P108 | 77 | 3,175SH | | X |
| CONSTELLATION ENRGY GRP | COM | 210371100 | 4,720 | 54,148SH | X | |
| CONSTELLATION ENRGY GRP | COM | 210371100 | 47 | 539SH | | X |
| CONTANGO OIL & GAS CO | COM NEW | 21075N204 | 5,406 | 148,955SH | X | |
| CONTINENTAL AIRLS INC | CL B | 210795308 | 3,207 | 94,678SH | X | |
| CONVERGYS CORP | COM | 212485106 | 1,181 | 48,706SH | X | |
| CONVERGYS CORP | COM | 212485106 | 17 | 719SH | | X |
| CORN PRODS INTL INC | COM | 219023108 | 370 | 8,135SH | X | |
| CORNING INC | COM | 219350105 | 2,089 | 81,779SH | X | |
| CORNING INC | COM | 219350105 | 97 | 3,815SH | | X |
| COSTCO WHSL CORP NEW | COM | 22160K105 | 1,068 | 18,249SH | X | |
| COSTCO WHSL CORP NEW | COM | 22160K105 | 396 | 6,775SH | | X |
| COUNTRYWIDE FIN CORP | COM | 222372104 | 1,552 | 42,687SH | X | |
| COUNTRYWIDE FIN CORP | COM | 222372104 | 265 | 7,279SH | | X |
| COVANCE INC | COM | 222816100 | 2,203 | 32,136SH | X | |
| COVENTRY HLTH CARE INC | COM | 222862104 | 447 | 7,746SH | X | |
| COVENTRY HLTH CARE INC | COM | 222862104 | 3 | 45SH | | X |
| COX RADIO INC | CL A | 224051102 | 159 | 11,194SH | X | |
| CREDIT SUISSE GROUP | SPON ADR | 225401108 | 271 | 3,822SH | X | |
| CREDIT SUISSE GROUP | SPON ADR | 225401108 | 6 | 80SH | | X |
| CROWN CASTLE INTL CORP | COM | 228227104 | 2,176 | 59,998SH | X | |
| CROWN CASTLE INTL CORP | COM | 228227104 | 73 | 2,000SH | | X |
| CUMMINS INC | COM | 231021106 | 2,671 | 26,392SH | X | |
| CUMMINS INC | COM | 231021106 | 25 | 243SH | | X |
| CYNOSURE INC | CL A | 232577205 | 2,866 | 78,678SH | X | |
| CYTEC INDS INC | COM | 232820100 | 272 | 4,261SH | X | |
| CYTEC INDS INC | COM | 232820100 | 20 | 311SH | | X |
| DNP SELECT INCOME FD | COM | 23325P104 | 772 | 70,974SH | X | |
| DNP SELECT INCOME FD | COM | 23325P104 | 32 | 3,000SH | | X |
| DRS TECHNOLOGIES INC | COM | 23330X100 | 518 | 9,038SH | X | |
| DST SYS INC DEL | COM | 233326107 | 2,347 | 29,629SH | X | |
| DTE ENERGY CO | COM | 233331107 | 6,040 | 125,258SH | X | |
| DTE ENERGY CO | COM | 233331107 | 146 | 3,018SH | | X |
| DANAHER CORP DEL | COM | 235851102 | 2,777 | 36,788SH | X | |
| DANAHER CORP DEL | COM | 235851102 | 169 | 2,241SH | | X |
| DARDEN RESTAURANTS INC | COM | 237194105 | 403 | 9,157SH | X | |
| DARDEN RESTAURANTS INC | COM | 237194105 | 9 | 200SH | | X |
| DAVITA INC | COM | 23918K108 | 5,096 | 94,576SH | X | |
| DAVITA INC | COM | 23918K108 | 63 | 1,165SH | | X |
| DEAN FOODS CO NEW | COM | 242370104 | 221 | 6,930SH | X | |
| DEERE & CO | COM | 244199105 | 12,032 | 99,649SH | X | |
| DEERE & CO | COM | 244199105 | 957 | 7,927SH | | X |
| DEL MONTE FOODS CO | COM | 24522P103 | 7,787 | 640,360SH | X | |
| DEL MONTE FOODS CO | COM | 24522P103 | 34 | 2,815SH | | X |
| DELL INC | COM | 24702R101 | 12,560 | 439,926SH | X | |
| DELL INC | COM | 24702R101 | 857 | 30,027SH | | X |
| DENBURY RES INC | COM NEW | 247916208 | 3,139 | 83,696SH | X | |
| DENNYS CORP | COM | 24869P104 | 200 | 45,000SH | X | |
| DENTSPLY INTL INC NEW | COM | 249030107 | 9,348 | 244,318SH | X | |
| DENTSPLY INTL INC NEW | COM | 249030107 | 77 | 2,021SH | | X |
| DEUTSCHE TELEKOM AG | SPON ADR | 251566105 | 233 | 12,650SH | X | |
| DEUTSCHE TELEKOM AG | SPON ADR | 251566105 | 12 | 675SH | | X |
| DEVON ENERGY CORP NEW | COM | 25179M103 | 4,801 | 61,317SH | X | |
| DEVON ENERGY CORP NEW | COM | 25179M103 | 254 | 3,247SH | | X |
| DEVRY INC DEL | COM | 251893103 | 5,517 | 162,177SH | X | |
| DIAGEO P L C | SPON ADR | 25243Q205 | 846 | 10,157SH | X | |
| DIAGEO P L C | SPON ADR | 25243Q205 | 157 | 1,885SH | | X |
| DIAMOND OFFSHORE DRILNG | COM | 25271C102 | 1,330 | 13,094SH | X | |

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DIAMONDS TR UNIT SER 1 252787106 2,481 18,487SH X

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| DIAMONDS TR | UNIT SER 1 | 252787106 | 1,783 | 13,286SH | | | | X |
| DICKS SPORTNG GOODS INC | COM | 253393102 | 1,681 | 28,903SH | | X | | |
| DICKS SPORTNG GOODS INC | COM | 253393102 | 20 | 352SH | | | | X |
| DIGITAL RIV INC | COM | 25388B104 | 2,425 | 53,599SH | | X | | |
| DIGITAL RIV INC | COM | 25388B104 | 17 | 378SH | | | | X |
| DILLARDS INC | CL A | 254067101 | 541 | 15,063SH | | X | | |
| DIRECTV GROUP INC | COM | 25459L106 | 2,238 | 96,836SH | | X | | |
| DIRECTV GROUP INC | COM | 25459L106 | 181 | 7,832SH | | | | X |
| DISNEY WALT CO | COM | 254687106 | 20,797 | 609,158SH | | X | | |
| DISNEY WALT CO | COM | 254687106 | 1,864 | 54,612SH | | | | X |
| DOLLAR GEN CORP COM | | 256669102 | 182 | 8,306SH | | X | | |
| DOLLAR GEN CORP COM | | 256669102 | 19 | 853SH | | | | X |
| DOMINION RES INC VA NEW | COM | 25746U109 | 2,467 | 28,582SH | | X | | |
| DOMINION RES INC VA NEW | COM | 25746U109 | 107 | 1,240SH | | | | X |
| DONNELLEY R R & SONS CO | COM | 257867101 | 13,525 | 310,852SH | | X | | |
| DONNELLEY R R & SONS CO | COM | 257867101 | 86 | 1,977SH | | | | X |
| DOUBLE-TAKE SFTWARE INC | COM | 258598101 | 2,677 | 163,156SH | | X | | |
| DOVER CORP | COM | 260003108 | 226 | 4,422SH | | X | | |
| DOVER CORP | COM | 260003108 | 324 | 6,325SH | | | | X |
| DOW CHEM CO | COM | 260543103 | 14,863 | 336,118SH | | X | | |
| DOW CHEM CO | COM | 260543103 | 1,401 | 31,677SH | | | | X |
| DOW JONES & CO INC | COM | 260561105 | 2,070 | 36,024SH | | X | | |
| DOW JONES & CO INC | COM | 260561105 | 100 | 1,745SH | | | | X |
| DU PONT E I DE NEMOURS | COM | 263534109 | 10,062 | 197,924SH | | X | | |
| DU PONT E I DE NEMOURS | COM | 263534109 | 1,232 | 24,230SH | | | | X |
| DUKE ENERGY CORP NEW | COM | 26441C105 | 6,805 | 371,861SH | | X | | |
| DUKE ENERGY CORP NEW | COM | 26441C105 | 180 | 9,832SH | | | | X |
| DUKE REALTY CORP | COM NEW | 264411505 | 401 | 11,240SH | | X | | |
| DUKE REALTY CORP | COM NEW | 264411505 | 77 | 2,151SH | | | | X |
| DUN & BRADSTREET CORP | COM | 26483E100 | 2,658 | 25,812SH | | X | | |
| DYNEGY INC DEL | CL A | 26817G102 | 167 | 17,651SH | | X | | |
| DYNEGY INC DEL | CL A | 26817G102 | 4 | 431SH | | | | X |
| EGL INC | COM | 268484102 | 299 | 6,428SH | | X | | |
| E M C CORP MASS | COM | 268648102 | 4,732 | 261,446SH | | X | | |
| E M C CORP MASS | COM | 268648102 | 56 | 3,094SH | | | | X |
| ENSCO INTL INC | COM | 26874Q100 | 1,671 | 27,397SH | | X | | |
| ENSCO INTL INC | COM | 26874Q100 | 226 | 3,711SH | | | | X |
| ENI S P A | SPON ADR | 26874R108 | 26 | 365SH | | X | | |
| ENI S P A | SPON ADR | 26874R108 | 576 | 7,956SH | | | | X |
| EOG RES INC | COM | 26875P101 | 835 | 11,430SH | | X | | |

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| | | | | | | | |
|-------------------------|-----------|-----------|--------|-----------|--|---|---|
| EOG RES INC | COM | 26875P101 | 167 | 2,289SH | | | X |
| E TRADE FINANCIAL CORP | COM | 269246104 | 723 | 32,747SH | | X | |
| E TRADE FINANCIAL CORP | COM | 269246104 | 107 | 4,831SH | | | X |
| EASTMAN CHEM CO | COM | 277432100 | 1,685 | 26,189SH | | X | |
| EASTMAN CHEM CO | COM | 277432100 | 54 | 834SH | | | X |
| EASTMAN KODAK CO | COM | 277461109 | 1,093 | 39,292SH | | X | |
| EASTMAN KODAK CO | COM | 277461109 | 94 | 3,394SH | | | X |
| EATON CORP | COM | 278058102 | 11,823 | 127,131SH | | X | |
| EATON CORP | COM | 278058102 | 439 | 4,716SH | | | X |
| EATON VANCE LTD DRTN | COM | 27828H105 | 268 | 15,000SH | | X | |
| EATON VANCE LTD DRTN | COM | 27828H105 | 9 | 520SH | | | X |
| EBAY INC | COM | 278642103 | 1,234 | 38,344SH | | X | |
| EBAY INC | COM | 278642103 | 90 | 2,797SH | | | X |
| ECOLAB INC | COM | 278865100 | 1,187 | 27,787SH | | X | |
| ECOLAB INC | COM | 278865100 | 461 | 10,799SH | | | X |
| EDISON INTL | COM | 281020107 | 14,348 | 255,669SH | | X | |
| EDISON INTL | COM | 281020107 | 74 | 1,311SH | | | X |
| EDWARDS LIFESCIENCES | COM | 28176E108 | 940 | 19,049SH | | X | |
| EDWARDS LIFESCIENCES | COM | 28176E108 | 18 | 360SH | | | X |
| EDWARDS AG INC | COM | 281760108 | 3,694 | 43,696SH | | X | |
| EINSTEIN NOAH REST GRP | COM | 28257U104 | 1,376 | 81,439SH | | X | |
| ELECTRONIC ARTS INC | COM | 285512109 | 7,189 | 151,919SH | | X | |
| ELECTRONIC ARTS INC | COM | 285512109 | 549 | 11,596SH | | | X |
| ELECTRONIC DATA SYS NEW | COM | 285661104 | 283 | 10,216SH | | X | |
| ELECTRONIC DATA SYS NEW | COM | 285661104 | 26 | 933SH | | | X |
| ELECTRONICS FOR IMAGING | COM | 286082102 | 9,148 | 324,156SH | | X | |
| ELECTRONICS FOR IMAGING | COM | 286082102 | 17 | 600SH | | | X |
| EMBARQ CORP | COM | 29078E105 | 16,165 | 255,094SH | | X | |
| EMBARQ CORP | COM | 29078E105 | 169 | 2,663SH | | | X |
| EMBRAER-EMPRESA | SPON ADR | 29081M102 | 1,231 | 25,540SH | | X | |
| EMERSON ELEC CO | COM | 291011104 | 15,917 | 340,098SH | | X | |
| EMERSON ELEC CO | COM | 291011104 | 5,217 | 111,482SH | | | X |
| EMPIRE DIST ELEC CO | COM | 291641108 | 1,021 | 45,649SH | | X | |
| EMPIRE DIST ELEC CO | COM | 291641108 | 16 | 700SH | | | X |
| ENCANA CORP | COM | 292505104 | 366 | 5,960SH | | X | |
| ENCANA CORP | COM | 292505104 | 224 | 3,641SH | | | X |
| ENDESA S A | SPON ADR | 29258N107 | 4 | 70SH | | X | |
| ENDESA S A | SPON ADR | 29258N107 | 412 | 7,800SH | | | X |
| ENERGEN CORP | COM | 29265N108 | 240 | 4,375SH | | X | |
| ENEL SOCIETA PER AZIONI | ADR | 29265W108 | 307 | 5,712SH | | | X |
| ENERGIZER HLDGS INC | COM | 29266R108 | 6,147 | 61,719SH | | X | |
| ENERGIZER HLDGS INC | COM | 29266R108 | 4,530 | 45,479SH | | | X |
| ENGY TRANSFER PRTNRS LP | UNIT LP | 29273R109 | 143 | 2,318SH | | X | |
| ENGY TRANSFER PRTNRS LP | UNIT LP | 29273R109 | 136 | 2,200SH | | | X |
| ENERPLUS RES FD | UNIT TR G | 29274D604 | 83 | 1,760SH | | X | |
| ENERPLUS RES FD | UNIT TR G | 29274D604 | 330 | 7,000SH | | | X |
| ENTERGY CORP NEW | COM | 29364G103 | 13,606 | 126,742SH | | X | |
| ENTERGY CORP NEW | COM | 29364G103 | 8 | 72SH | | | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

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| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN | AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-------------|-----|---------------|-----------------------|---------|----------|
| | | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| ENTERPRISE PRODS PRNRS | COM | 293792107 | 377 | 11,843 | SH | | X | | |
| ENTERPRISE PRODS PRNRS | COM | 293792107 | 22 | 700 | SH | | | | X |
| EQUIFAX INC | COM | 294429105 | 730 | 16,431 | SH | | X | | |
| EQUIFAX INC | COM | 294429105 | 18 | 397 | SH | | | | X |
| EQUINIX INC | COM NEW | 29444U502 | 6,203 | 67,811 | SH | | X | | |
| EQUITABLE RES INC | COM | 294549100 | 1,827 | 36,855 | SH | | X | | |
| EQUITY RESIDENTIAL | SH BEN INT | 29476L107 | 4,129 | 90,484 | SH | | X | | |
| EQUITY RESIDENTIAL | SH BEN INT | 29476L107 | 88 | 1,931 | SH | | | | X |
| ERICSSON L M TEL CO | ADR B | 294821608 | 3,056 | 76,602 | SH | | X | | |
| ERICSSON L M TEL CO | ADR B | 294821608 | 833 | 20,885 | SH | | | | X |
| EXELON CORP | COM | 30161N101 | 9,696 | 133,551 | SH | | X | | |
| EXELON CORP | COM | 30161N101 | 605 | 8,339 | SH | | | | X |
| EXPEDITORS INTL WASH | COM | 302130109 | 349 | 8,443 | SH | | X | | |
| EXPEDITORS INTL WASH | COM | 302130109 | 3 | 75 | SH | | | | X |
| EXPRESS SCRIPTS INC | COM | 302182100 | 3,499 | 69,971 | SH | | X | | |
| EXPRESS SCRIPTS INC | COM | 302182100 | 68 | 1,366 | SH | | | | X |
| EXXON MOBIL CORP | COM | 30231G102 | 104,164 | 1,241,825 | SH | | X | | |
| EXXON MOBIL CORP | COM | 30231G102 | 26,397 | 314,703 | SH | | | | X |
| FEI CO | COM | 30241L109 | 3,213 | 98,993 | SH | | X | | |
| FNB CORP PA | COM | 302520101 | 545 | 32,552 | SH | | X | | |
| FPL GROUP INC | COM | 302571104 | 2,395 | 42,217 | SH | | X | | |
| FPL GROUP INC | COM | 302571104 | 608 | 10,715 | SH | | | | X |
| FTI CONSULTING INC | COM | 302941109 | 236 | 6,200 | SH | | X | | |
| FAIR ISAAC CORP | COM | 303250104 | 3,702 | 92,263 | SH | | X | | |
| FALCONSTOR SOFTWARE INC | COM | 306137100 | 3,647 | 345,644 | SH | | X | | |
| FAMILY DLR STORES INC | COM | 307000109 | 555 | 16,163 | SH | | X | | |
| FAMILY DLR STORES INC | COM | 307000109 | 1 | 25 | SH | | | | X |
| FASTENAL CO | COM | 311900104 | 906 | 21,648 | SH | | X | | |
| FASTENAL CO | COM | 311900104 | 14 | 345 | SH | | | | X |
| FED HOME LN MTG CORP | COM | 313400301 | 9,291 | 153,064 | SH | | X | | |
| FED HOME LN MTG CORP | COM | 313400301 | 970 | 15,981 | SH | | | | X |
| FEDERAL NATL MTG ASSN | COM | 313586109 | 3,444 | 52,723 | SH | | X | | |
| FEDERAL NATL MTG ASSN | COM | 313586109 | 931 | 14,246 | SH | | | | X |
| FEDERAL SIGNAL CORP | COM | 313855108 | 1,065 | 67,154 | SH | | X | | |
| FEDERAL SIGNAL CORP | COM | 313855108 | 24 | 1,500 | SH | | | | X |
| FEDERATED INVS INC PA | CL B | 314211103 | 639 | 16,670 | SH | | X | | |
| FEDERATED INVS INC PA | CL B | 314211103 | 4 | 107 | SH | | | | X |
| FEDEX CORP | COM | 31428X106 | 2,202 | 19,841 | SH | | X | | |
| FEDEX CORP | COM | 31428X106 | 439 | 3,955 | SH | | | | X |
| FERRELLGAS PARTNERS LP | UNIT LP | 315293100 | 338 | 14,000 | SH | | X | | |
| F5 NETWORKS INC | COM | 315616102 | 1,473 | 18,273 | SH | | X | | |
| FIDELITY NATL INFO SV | COM | 31620M106 | 2,512 | 46,285 | SH | | X | | |
| FIFTH THIRD BANCORP | COM | 316773100 | 7,695 | 193,482 | SH | | X | | |
| FIFTH THIRD BANCORP | COM | 316773100 | 453 | 11,391 | SH | | | | X |
| FIRST DATA CORP | COM | 319963104 | 1,589 | 48,633 | SH | | X | | |
| FIRST DATA CORP | COM | 319963104 | 159 | 4,881 | SH | | | | X |
| FIRST HORIZON NATL CORP | COM | 320517105 | 4,912 | 125,950 | SH | | X | | |
| FIRST HORIZON NATL CORP | COM | 320517105 | 103 | 2,643 | SH | | | | X |
| FIRST IND CORP | COM | 32054R108 | 63 | 2,832 | SH | | X | | |
| FIRST IND CORP | COM | 32054R108 | 406 | 18,361 | SH | | | | X |
| FIRST NIAGARA FINL GP | COM | 33582V108 | 157 | 12,021 | SH | | X | | |
| FIRST PL FINL CORP | COM | 33610T109 | 284 | 13,457 | SH | | X | | |
| 1ST SOURCE CORP | COM | 336901103 | 146 | 5,873 | SH | | X | | |
| 1ST SOURCE CORP | COM | 336901103 | 1,026 | 41,163 | SH | | | | X |
| FISERV INC | COM | 337738108 | 14,558 | 256,295 | SH | | X | | |

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| | | | | | | | | | |
|--------------------------|-----------|-----------|-------|-----------|---|--|--|--|---|
| FISERV INC | COM | 337738108 | 489 | 8,609SH | | | | | X |
| FIRSTENERGY CORP | COM | 337932107 | 4,661 | 72,000SH | X | | | | |
| FIRSTENERGY CORP | COM | 337932107 | 13 | 204SH | | | | | X |
| FLORIDA EAST COAST INDS | COM | 340632108 | 332 | 4,000SH | X | | | | |
| FLUOR CORP NEW | COM | 343412102 | 2,958 | 26,562SH | X | | | | |
| FLUOR CORP NEW | COM | 343412102 | 10 | 88SH | | | | | X |
| FOCUS MEDIA HLDG LTD | SPON ADR | 34415V109 | 2,850 | 56,446SH | X | | | | |
| FORD MTR CO DEL | COM | 345370860 | 1,382 | 146,682SH | X | | | | |
| FORD MTR CO DEL | COM | 345370860 | 202 | 21,489SH | | | | | X |
| FOREST LABS INC | COM | 345838106 | 2,154 | 47,177SH | X | | | | |
| FOREST LABS INC | COM | 345838106 | 489 | 10,712SH | | | | | X |
| FOREST OIL CORP | COM | 346091705 | 384 | 9,085SH | X | | | | |
| FORTUNE BRANDS INC | COM | 349631101 | 2,358 | 28,631SH | X | | | | |
| FORTUNE BRANDS INC | COM | 349631101 | 1,279 | 15,529SH | | | | | X |
| FRANCE TELECOM | SPON ADR | 35177Q105 | 213 | 7,750SH | X | | | | |
| FRANCE TELECOM | SPON ADR | 35177Q105 | 8 | 275SH | | | | | X |
| FRANKLIN RES INC | COM | 354613101 | 4,737 | 35,759SH | X | | | | |
| FRANKLIN RES INC | COM | 354613101 | 28 | 210SH | | | | | X |
| FRANKLIN TEMPLETON LTD | COM | 35472T101 | 158 | 12,000SH | X | | | | |
| FREEMPORT-MCMORAN COPPER | COM | 35671D857 | 8,434 | 101,836SH | X | | | | |
| FREEMPORT-MCMORAN COPPER | COM | 35671D857 | 146 | 1,765SH | | | | | X |
| FUJIFILM HLDGS CORP | ADR 2 ORD | 35958N107 | 132 | 2,960SH | X | | | | |
| FUJIFILM HLDGS CORP | ADR 2 ORD | 35958N107 | 849 | 19,029SH | | | | | X |
| GATX CORP | COM | 361448103 | 2,587 | 52,532SH | X | | | | |
| GFI GROUP INC | COM | 361652209 | 4,663 | 64,330SH | X | | | | |
| GAFISA S A | SPONS ADR | 362607301 | 5,990 | 191,995SH | X | | | | |
| GALLAGHER ARTHUR J & CO | COM | 363576109 | 127 | 4,546SH | X | | | | |
| GALLAGHER ARTHUR J & CO | COM | 363576109 | 75 | 2,685SH | | | | | X |
| GAMESTOP CORP NEW | CL A | 36467W109 | 5,772 | 147,631SH | X | | | | |
| GANNETT INC | COM | 364730101 | 1,833 | 33,349SH | X | | | | |
| GANNETT INC | COM | 364730101 | 130 | 2,368SH | | | | | X |
| GAP INC DEL | COM | 364760108 | 925 | 48,439SH | X | | | | |
| GAP INC DEL | COM | 364760108 | 97 | 5,103SH | | | | | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-----------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| GARTNER INC | COM | 366651107 | 253 | 10,302SH | | X | | |
| GEHL CO | COM | 368483103 | 729 | 24,000SH | | | | X |
| GEN-PROBE INC NEW | COM | 36866T103 | 1,973 | 32,657SH | | X | | |
| GENENTECH INC | COM NEW | 368710406 | 8,773 | 115,959SH | | X | | |
| GENENTECH INC | COM NEW | 368710406 | 1,779 | 23,513SH | | | | X |
| GENERAL CABLE CORP | COM | 369300108 | 559 | 7,380SH | | X | | |
| GENERAL CABLE CORP | COM | 369300108 | 26 | 349SH | | | | X |
| GENERAL COMMUNICATION | CL A | 369385109 | 281 | 21,917SH | | X | | |

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| | | | | | | |
|-------------------------|-----------|-----------|--------|-------------|---|---|
| GENERAL DYNAMICS CORP | COM | 369550108 | 5,332 | 68,164SH | X | |
| GENERAL DYNAMICS CORP | COM | 369550108 | 159 | 2,038SH | | X |
| GENERAL ELECTRIC CO | COM | 369604103 | 99,907 | 2,609,911SH | X | |
| GENERAL ELECTRIC CO | COM | 369604103 | 21,897 | 572,029SH | | X |
| GENERAL MLS INC | COM | 370334104 | 5,628 | 96,332SH | X | |
| GENERAL MLS INC | COM | 370334104 | 1,045 | 17,883SH | | X |
| GENERAL MTRS CORP | COM | 370442105 | 1,960 | 51,839SH | X | |
| GENERAL MTRS CORP | COM | 370442105 | 130 | 3,432SH | | X |
| GENUINE PARTS CO | COM | 372460105 | 2,789 | 56,227SH | X | |
| GENUINE PARTS CO | COM | 372460105 | 182 | 3,668SH | | X |
| GENWORTH FINL INC | COM CL A | 37247D106 | 347 | 10,083SH | X | |
| GENWORTH FINL INC | COM CL A | 37247D106 | 167 | 4,869SH | | X |
| GENZYME CORP | COM | 372917104 | 3,161 | 49,084SH | X | |
| GENZYME CORP | COM | 372917104 | 183 | 2,843SH | | X |
| GILEAD SCIENCES INC | COM | 375558103 | 11,451 | 295,121SH | X | |
| GILEAD SCIENCES INC | COM | 375558103 | 582 | 14,992SH | | X |
| GLAXOSMITHKLINE PLC | SPON ADR | 37733W105 | 2,929 | 55,938SH | X | |
| GLAXOSMITHKLINE PLC | SPON ADR | 37733W105 | 884 | 16,884SH | | X |
| GOLD FIELDS LTD NEW | SPON ADR | 38059T106 | 236 | 15,000SH | X | |
| GOLD FIELDS LTD NEW | SPON ADR | 38059T106 | 305 | 19,401SH | | X |
| GOLDMAN SACHS GROUP INC | COM | 38141G104 | 28,874 | 133,214SH | X | |
| GOLDMAN SACHS GROUP INC | COM | 38141G104 | 3,086 | 14,236SH | | X |
| GOODRICH CORP | COM | 382388106 | 1,367 | 22,958SH | X | |
| GOODRICH CORP | COM | 382388106 | 1 | 19SH | | X |
| GOODMAN GLOBAL INC | COM | 38239A100 | 2,402 | 108,091SH | X | |
| GOODYEAR TIRE & RUBR CO | COM | 382550101 | 260 | 7,482SH | X | |
| GOODYEAR TIRE & RUBR CO | COM | 382550101 | 23 | 654SH | | X |
| GOOGLE INC | CL A | 38259P508 | 13,434 | 25,701SH | X | |
| GOOGLE INC | CL A | 38259P508 | 980 | 1,874SH | | X |
| GRAINGER W W INC | COM | 384802104 | 1,702 | 18,291SH | X | |
| GRAINGER W W INC | COM | 384802104 | 169 | 1,815SH | | X |
| GRANT PRIDECO INC | COM | 38821G101 | 5,063 | 94,061SH | X | |
| GREAT PLAINS ENERGY INC | COM | 391164100 | 1,488 | 51,099SH | X | |
| GREAT PLAINS ENERGY INC | COM | 391164100 | 66 | 2,270SH | | X |
| GREENFIELD ONLINE INC | COM | 395150105 | 1,611 | 101,258SH | X | |
| HCC INS HLDGS INC | COM | 404132102 | 3,035 | 90,842SH | X | |
| HCC INS HLDGS INC | COM | 404132102 | 37 | 1,110SH | | X |
| HMS HLDGS CORP | COM | 40425J101 | 2,561 | 133,804SH | X | |
| HSBC HLDGS PLC | SPON ADR | 404280406 | 481 | 5,236SH | X | |
| HSBC HLDGS PLC | SPON ADR | 404280406 | 1,055 | 11,494SH | | X |
| HALLIBURTON CO | COM | 406216101 | 1,940 | 56,241SH | X | |
| HALLIBURTON CO | COM | 406216101 | 375 | 10,865SH | | X |
| HANESBRANDS INC | COM | 410345102 | 166 | 6,153SH | X | |
| HANESBRANDS INC | COM | 410345102 | 45 | 1,676SH | | X |
| HARLEY DAVIDSON INC | COM | 412822108 | 5,560 | 93,268SH | X | |
| HARLEY DAVIDSON INC | COM | 412822108 | 1,537 | 25,778SH | | X |
| HARMAN INTL INDS INC | COM | 413086109 | 464 | 3,976SH | X | |
| HARMAN INTL INDS INC | COM | 413086109 | 5 | 45SH | | X |
| HARRAHS ENTMT INC | COM | 413619107 | 248 | 2,904SH | X | |
| HARRAHS ENTMT INC | COM | 413619107 | 287 | 3,365SH | | X |
| HARRIS CORP DEL | COM | 413875105 | 188 | 3,444SH | X | |
| HARRIS CORP DEL | COM | 413875105 | 35 | 650SH | | X |
| HARSCO CORP | COM | 415864107 | 2,867 | 55,125SH | X | |
| HARSCO CORP | COM | 415864107 | 30 | 568SH | | X |
| HARTE-HANKS INC | COM | 416196103 | 9,767 | 380,344SH | X | |
| HARTFORD FINL SVCS GRP | COM | 416515104 | 6,108 | 62,002SH | X | |
| HARTFORD FINL SVCS GRP | COM | 416515104 | 989 | 10,042SH | | X |
| HASBRO INC | COM | 418056107 | 262 | 8,335SH | X | |
| HASBRO INC | COM | 418056107 | 19 | 605SH | | X |
| HAWAIIAN ELEC INDUST | COM | 419870100 | 238 | 10,067SH | X | |
| HEAD N V | NY REG SH | 422070102 | 313 | 76,595SH | X | |
| HEAD N V | NY REG SH | 422070102 | 4 | 1,000SH | | X |

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| | | | | | | | |
|------------------------|-----|-----------|--------|-----------|---|--|---|
| HEALTH NET INC | COM | 42222G108 | 191 | 3,620SH | X | | |
| HEALTH NET INC | COM | 42222G108 | 34 | 639SH | | | X |
| HEINZ H J CO | COM | 423074103 | 4,698 | 98,964SH | X | | |
| HEINZ H J CO | COM | 423074103 | 638 | 13,442SH | | | X |
| HELIX ENERGY SOLUTIONS | COM | 42330P107 | 304 | 7,615SH | X | | |
| HELIX ENERGY SOLUTIONS | COM | 42330P107 | 2 | 43SH | | | X |
| HENRY JACK & ASSOC INC | COM | 426281101 | 35 | 1,343SH | X | | |
| HENRY JACK & ASSOC INC | COM | 426281101 | 361 | 14,000SH | | | X |
| HERCULES INC | COM | 427056106 | 1,252 | 63,738SH | X | | |
| HERCULES INC | COM | 427056106 | 25 | 1,272SH | | | X |
| HERSHEY CO | COM | 427866108 | 1,907 | 37,674SH | X | | |
| HERSHEY CO | COM | 427866108 | 367 | 7,250SH | | | X |
| HESS CORP | COM | 42809H107 | 12,913 | 219,010SH | X | | |
| HESS CORP | COM | 42809H107 | 53 | 896SH | | | X |
| HEWLETT PACKARD CO | COM | 428236103 | 24,437 | 547,678SH | X | | |
| HEWLETT PACKARD CO | COM | 428236103 | 2,607 | 58,427SH | | | X |
| HILB ROGAL & HOBBS CO | COM | 431294107 | 305 | 7,115SH | X | | |
| HILTON HOTELS CORP | COM | 432848109 | 2,734 | 81,687SH | X | | |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| HILTON HOTELS CORP | COM | 432848109 | 65 | 1,931SH | | | | X |
| HITACHI LIMITED | ADR 10 COM | 433578507 | 307 | 4,344SH | | X | | |
| HOME DEPOT INC | COM | 437076102 | 10,413 | 264,619SH | | X | | |
| HOME DEPOT INC | COM | 437076102 | 473 | 12,028SH | | | | X |
| HONEYWELL INTL INC | COM | 438516106 | 6,958 | 123,626SH | | X | | |
| HONEYWELL INTL INC | COM | 438516106 | 759 | 13,478SH | | | | X |
| HOSPIRA INC | COM | 441060100 | 2,919 | 74,771SH | | X | | |
| HOSPIRA INC | COM | 441060100 | 125 | 3,200SH | | | | X |
| HOST HOTELS & RESORTS | COM | 44107P104 | 388 | 16,794SH | | X | | |
| HOST HOTELS & RESORTS | COM | 44107P104 | 11 | 490SH | | | | X |
| HUBBELL INC | CL A | 443510102 | 216 | 4,000SH | | X | | |
| HUMANA INC | COM | 444859102 | 1,149 | 18,856SH | | X | | |
| HUMANA INC | COM | 444859102 | 63 | 1,036SH | | | | X |
| HUNT J B TRANS SVCS INC | COM | 445658107 | 7,933 | 270,572SH | | X | | |
| HUNTINGTON BANCSHARES | COM | 446150104 | 8,076 | 355,158SH | | X | | |
| HUNTINGTON BANCSHARES | COM | 446150104 | 95 | 4,175SH | | | | X |
| HURCO COMPANIES INC | COM | 447324104 | 350 | 7,000SH | | X | | |
| IMS HEALTH INC | COM | 449934108 | 13,553 | 421,829SH | | X | | |
| IMS HEALTH INC | COM | 449934108 | 105 | 3,258SH | | | | X |
| ISTAR FINL INC | COM | 45031U101 | 804 | 18,129SH | | X | | |
| ITT EDUCATIONAL SRVCS | COM | 45068B109 | 703 | 5,992SH | | X | | |
| ITT EDUCATIONAL SRVCS | COM | 45068B109 | 17 | 148SH | | | | X |
| ITT CORP NEW | COM | 450911102 | 15,727 | 230,333SH | | X | | |

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| | | | | | | |
|-------------------------|--------------|-----------|--------|-----------|---|---|
| ITT CORP NEW | COM | 450911102 | 120 | 1,762SH | | X |
| ICON PUB LTD CO | SPON ADR | 45103T107 | 2,920 | 66,765SH | X | |
| ICONIX BRAND GROUP INC | COM | 451055107 | 3,008 | 135,393SH | X | |
| ILLINOIS TOOL WKS INC | COM | 452308109 | 7,022 | 129,581SH | X | |
| ILLINOIS TOOL WKS INC | COM | 452308109 | 2,286 | 42,188SH | | X |
| INFINEON TECHNOLOGIES | SPON ADR | 45662N103 | 193 | 11,700SH | X | |
| INFINEON TECHNOLOGIES | SPON ADR | 45662N103 | 5 | 305SH | | X |
| ING GROUP N V | SPON ADR | 456837103 | 63 | 1,427SH | X | |
| ING GROUP N V | SPON ADR | 456837103 | 709 | 16,117SH | | X |
| INGRAM MICRO INC | CL A | 457153104 | 4,106 | 189,145SH | X | |
| INSITUFORM TECHNOLOGIES | CL A | 457667103 | 589 | 27,010SH | X | |
| INSITUFORM TECHNOLOGIES | CL A | 457667103 | 2 | 100SH | | X |
| INNERWORKINGS INC | COM | 45773Y105 | 2,574 | 160,701SH | X | |
| INTEL CORP | COM | 458140100 | 20,347 | 857,075SH | X | |
| INTEL CORP | COM | 458140100 | 3,015 | 127,016SH | | X |
| INTEGRYS ENERGY GROUP | COM | 45822P105 | 2,109 | 41,575SH | X | |
| INTEGRYS ENERGY GROUP | COM | 45822P105 | 366 | 7,223SH | | X |
| INTERCONTINENTALEXCHANG | COM | 45865V100 | 1,199 | 8,108SH | X | |
| INTERCONTINENTALEXCHANG | COM | 45865V100 | 26 | 179SH | | X |
| INTL BUSINESS MACHS | COM | 459200101 | 39,878 | 378,884SH | X | |
| INTL BUSINESS MACHS | COM | 459200101 | 5,549 | 52,720SH | | X |
| INTL GAME TECHNOLOGY | COM | 459902102 | 3,080 | 77,574SH | X | |
| INTL GAME TECHNOLOGY | COM | 459902102 | 22 | 557SH | | X |
| INTL PAPER CO | COM | 460146103 | 3,387 | 86,742SH | X | |
| INTL PAPER CO | COM | 460146103 | 515 | 13,193SH | | X |
| INTERNET CAP GROUP INC | COM NEW | 46059C205 | 1,572 | 126,811SH | X | |
| INTERSIL CORP | CL A | 46069S109 | 4,231 | 134,486SH | X | |
| INTERPUBLIC GRP COS INC | COM | 460690100 | 8,737 | 766,390SH | X | |
| INVERNESS MED INNVTNS | COM | 46126P106 | 5,905 | 115,743SH | X | |
| IPASS INC | COM | 46261V108 | 537 | 99,025SH | X | |
| ISHARES INC | MSCI SING | 464286673 | 886 | 64,950SH | X | |
| ISHARES INC | MSCI JAPAN | 464286848 | 639 | 44,040SH | X | |
| ISHARES TR | LRGEGRW INX | 464287119 | 293 | 4,256SH | X | |
| ISHARES TR | DJSELDIVINX | 464287168 | 20,428 | 284,157SH | X | |
| ISHARES TR | DJSELDIVINX | 464287168 | 662 | 9,211SH | | X |
| ISHARES TR | USTIPSBDFD | 464287176 | 342 | 3,460SH | X | |
| ISHARES TR | FTSEXNHUAIX | 464287184 | 978 | 7,589SH | X | |
| ISHARES TR | FTSEXNHUAID | 464287184 | 376 | 2,916SH | | X |
| ISHARES TR | S&P500INDX | 464287200 | 28,637 | 190,265SH | X | |
| ISHARES TR | S&P500INDX | 464287200 | 1,208 | 8,024SH | | X |
| ISHARES TR | LEHMNAGGBND | 464287226 | 972 | 9,880SH | X | |
| ISHARES TR | MSCIEMRGMKT | 464287234 | 11,135 | 84,577SH | X | |
| ISHARES TR | MSCIEMRGMKT | 464287234 | 2,860 | 21,727SH | | X |
| ISHARES TR | IBOXINVCBPD | 464287242 | 4,586 | 43,850SH | X | |
| ISHARES TR | IBOXINVCBPD | 464287242 | 255 | 2,440SH | | X |
| ISHARES TR | S&P500GRW | 464287309 | 4,687 | 68,241SH | X | |
| ISHARES TR | S&P500GRW | 464287309 | 136 | 1,985SH | | X |
| ISHARES TR | S&P500VAL | 464287408 | 4,330 | 53,004SH | X | |
| ISHARES TR | S&P500VAL | 464287408 | 546 | 6,689SH | | X |
| ISHARES TR | 7-10YRTRSBD | 464287440 | 288 | 3,550SH | X | |
| ISHARES TR | 1-3YRTRSBD | 464287457 | 265 | 3,307SH | X | |
| ISHARES TR | MSCIEAFEIDX | 464287465 | 50,089 | 620,146SH | X | |
| ISHARES TR | MSCIEAFEIDX | 464287465 | 6,658 | 82,431SH | | X |
| ISHARES TR | RUSSMCPVL | 464287473 | 4,851 | 30,808SH | X | |
| ISHARES TR | RUSSMCPVL | 464287473 | 761 | 4,834SH | | X |
| ISHARES TR | RUSSELL MCP | 464287481 | 3,042 | 26,707SH | X | |
| ISHARES TR | RUSSELL MCP | 464287481 | 107 | 943SH | | X |
| ISHARES TR | RUSSELL MIDC | 464287499 | 2,657 | 24,395SH | X | |
| ISHARES TR | S&P MIDCAP | 464287507 | 16,104 | 180,377SH | X | |
| ISHARES TR | S&P MIDCAP | 464287507 | 2,659 | 29,779SH | | X |
| ISHARES TR | COHEN&ST RLT | 464287564 | 1,455 | 16,090SH | X | |
| ISHARES TR | RUSSELL1000V | 464287598 | 951 | 10,962SH | X | |

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| | | | | | |
|------------|-------------|-----------|-------|----------|---|
| ISHARES TR | S&PMC400GRW | 464287606 | 1,426 | 15,822SH | X |
| ISHARES TR | RUSL1000GRW | 464287614 | 2,468 | 41,674SH | X |
| ISHARES TR | RUSL1000 | 464287622 | 1,597 | 19,559SH | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|----------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| ISHARES TR | RUSL2000VAL | 464287630 | 7,721 | 93,744SH | | X | | |
| ISHARES TR | RUSL2000VAL | 464287630 | 821 | 9,971SH | | | | X |
| ISHARES TR | RUSL2000GR | 464287648 | 943 | 10,984SH | | X | | |
| ISHARES TR | RUSL2000GR | 464287648 | 92 | 1,076SH | | | | X |
| ISHARES TR | RUSL2000 | 464287655 | 16,173 | 194,953SH | | X | | |
| ISHARES TR | RUSL2000 | 464287655 | 1,471 | 17,732SH | | | | X |
| ISHARES TR | S&PMIDCPVAL | 464287705 | 15,091 | 174,241SH | | X | | |
| ISHARES TR | S&PMIDCPVAL | 464287705 | 5,168 | 59,665SH | | | | X |
| ISHARES TR | DJUSTELECOM | 464287713 | 367 | 10,895SH | | X | | |
| ISHARES TR | DJUSTECHSEC | 464287721 | 1,752 | 29,442SH | | X | | |
| ISHARES TR | DJUSTECHSEC | 464287721 | 92 | 1,545SH | | | | X |
| ISHARES TR | DJUSREALEST | 464287739 | 59 | 760SH | | X | | |
| ISHARES TR | DJUSREALEST | 464287739 | 310 | 4,000SH | | | | X |
| ISHARES TR | DJUSINDSTR | 464287754 | 368 | 5,006SH | | X | | |
| ISHARES TR | DJUSHELTHCR | 464287762 | 1,117 | 16,065SH | | X | | |
| ISHARES TR | DJUSHELTHCR | 464287762 | 64 | 925SH | | | | X |
| ISHARES TR | DJUSFINLSEC | 464287788 | 255 | 2,215SH | | X | | |
| ISHARES TR | DJUSENERGY | 464287796 | 513 | 4,277SH | | X | | |
| ISHARES TR | S&PSMLCP600 | 464287804 | 2,803 | 39,425SH | | X | | |
| ISHARES TR | S&PSMLCP600 | 464287804 | 1,531 | 21,530SH | | | | X |
| ISHARES TR | S&PEUROPLUS | 464287861 | 535 | 4,577SH | | X | | |
| ISHARES TR | S&PSMLCPVAL | 464287879 | 7,200 | 90,681SH | | X | | |
| ISHARES TR | S&PSMLCPVAL | 464287879 | 672 | 8,465SH | | | | X |
| ISHARES TR | LARGEVALINX | 464288109 | 549 | 6,265SH | | X | | |
| ISHARES TR | MIDCOREIDX | 464288208 | 256 | 2,825SH | | X | | |
| ISHARES TR | MIDGRWINDX | 464288307 | 500 | 5,218SH | | X | | |
| ISHARES TR | MIDVALINDX | 464288406 | 1,705 | 18,579SH | | X | | |
| ISHARES TR | MIDVALINDX | 464288406 | 241 | 2,625SH | | | | X |
| ISHARES TR | SMLLCOREIDX | 464288505 | 296 | 3,185SH | | X | | |
| ISHARES TR | SMLLGRWIDX | 464288604 | 253 | 3,107SH | | X | | |
| ISHARES TR | SMLLVALINDX | 464288703 | 6,654 | 78,536SH | | X | | |
| ISHARES TR | MSCIVALIDX | 464288877 | 1,806 | 23,058SH | | X | | |
| ISHARES TR | MSCIVALIDX | 464288877 | 24 | 300SH | | | | X |
| ISHARES TR | MSCIGRWIDX | 464288885 | 524 | 6,903SH | | X | | |
| ISHARES TR | MSCIGRWIDX | 464288885 | 103 | 1,362SH | | | | X |
| IVANHOE MINES LTD | COM | 46579N103 | 17 | 1,209SH | | X | | |
| IVANHOE MINES LTD | COM | 46579N103 | 264 | 18,522SH | | | | X |
| JP MORGAN CHASE & CO | COM | 46625H100 | 49,284 | 1,017,221SH | | X | | |

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| | | | | | | | |
|--------------------------|------------|-----------|--------|-----------|---|---|---|
| JP MORGAN CHASE & CO | COM | 46625H100 | 11,917 | 245,956SH | | | X |
| JABIL CIRCUIT INC | COM | 466313103 | 3,251 | 147,312SH | X | | |
| JABIL CIRCUIT INC | COM | 466313103 | 3 | 119SH | | | X |
| JACOBS ENGR GRP INC | COM | 469814107 | 2,461 | 42,787SH | X | | |
| JACOBS ENGR GRP INC | COM | 469814107 | 12 | 200SH | | | X |
| JANUS CAP GROUP INC | COM | 47102X105 | 956 | 34,355SH | X | | |
| JANUS CAP GROUP INC | COM | 47102X105 | 8 | 270SH | | | X |
| JAPAN EQUITY FD INC | COM | 471057109 | 203 | 24,084SH | X | | |
| JAPAN EQUITY FD INC | COM | 471057109 | 4 | 500SH | | X | |
| JOHNSON & JOHNSON | COM | 478160104 | 47,482 | 770,560SH | X | | |
| JOHNSON & JOHNSON | COM | 478160104 | 6,783 | 110,072SH | | | X |
| JOHNSON CTLS INC | COM | 478366107 | 26,344 | 227,556SH | X | | |
| JOHNSON CTLS INC | COM | 478366107 | 3,551 | 30,673SH | | | X |
| JUNIPER NETWORKS INC | COM | 48203R104 | 5,614 | 223,058SH | X | | |
| JUNIPER NETWORKS INC | COM | 48203R104 | 28 | 1,131SH | | | X |
| KKR FINANCIAL HLDGS LLC | COM | 48248A306 | 168 | 6,746SH | X | | |
| KKR FINANCIAL HLDGS LLC | COM | 48248A306 | 52 | 2,105SH | | | X |
| KT CORP | SPON ADR | 48268K101 | 65 | 2,775SH | X | | |
| KT CORP | SPON ADR | 48268K101 | 718 | 30,620SH | | | X |
| K2 INC | COM | 482732104 | 191 | 12,574SH | X | | |
| K V PHARMACEUTICAL CO | CL A | 482740206 | 2,539 | 93,194SH | X | | |
| KAYDON CORP | COM | 486587108 | 2,026 | 38,872SH | X | | |
| KAYNE ANDERSON MLP INVNT | COM | 486606106 | 235 | 7,076SH | X | | |
| KB HOME | COM | 48666K109 | 208 | 5,272SH | X | | |
| KB HOME | COM | 48666K109 | 9 | 217SH | | | X |
| KELLOGG CO | COM | 487836108 | 13,339 | 257,564SH | X | | |
| KELLOGG CO | COM | 487836108 | 7,302 | 140,997SH | | | X |
| KELLWOOD CO | COM | 488044108 | 377 | 13,406SH | X | | |
| KENEXA CORP | COM | 488879107 | 2,634 | 69,856SH | X | | |
| KENEXA CORP | COM | 488879107 | 16 | 420SH | | | X |
| KEYCORP NEW | COM | 493267108 | 4,839 | 140,949SH | X | | |
| KEYCORP NEW | COM | 493267108 | 296 | 8,610SH | | | X |
| KEYSPAN CORP | COM | 49337W100 | 395 | 9,408SH | X | | |
| KEYSPAN CORP | COM | 49337W100 | 56 | 1,324SH | | | X |
| KIMBERLY CLARK CORP | COM | 494368103 | 14,784 | 221,024SH | X | | |
| KIMBERLY CLARK CORP | COM | 494368103 | 4,783 | 71,503SH | | | X |
| KIMCO REALTY CORP | COM | 49446R109 | 2,480 | 65,138SH | X | | |
| KIMCO REALTY CORP | COM | 49446R109 | 111 | 2,906SH | | | X |
| KINDER MORGAN ENERGY | UT LP | 494550106 | 456 | 8,269SH | X | | |
| KINDER MORGAN ENERGY | UT LP | 494550106 | 515 | 9,327SH | | | X |
| KINDRED HEALTHCARE INC | COM | 494580103 | 2,280 | 74,216SH | X | | |
| KINROSS GOLD CORP | COM NO PAR | 496902404 | 584 | 50,000SH | X | | |
| KINROSS GOLD CORP | COM NO PAR | 496902404 | 96 | 8,215SH | | | X |
| KOHL'S CORP | COM | 500255104 | 19,080 | 268,620SH | X | | |
| KOHL'S CORP | COM | 500255104 | 2,752 | 38,751SH | | | X |
| KONINKLIJKE AHOLD N V | SPON ADR | 500467303 | 301 | 24,040SH | X | | |
| KONINKLIJKE AHOLD N V | SPON ADR | 500467303 | 7 | 530SH | | | X |
| KOREA ELECTRIC PWR | SPON ADR | 500631106 | 207 | 9,463SH | X | | |
| KOREA ELECTRIC PWR | SPON ADR | 500631106 | 439 | 20,039SH | | | X |
| KRAFT FOODS INC | CL A | 50075N104 | 13,669 | 387,777SH | X | | |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2007

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| ----- COLUMN 1 ----- COLUMN 2 ----- COLUMN 3 - COLUMN 4 - COLUMN 5 ----- COLUMN 6 ----- COL | | | | | | | | | | |
|---|----------------------|-----------|------------------------------|--------------------|------------|--------------|--------------------------|------------|---------------|---|
| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PRN | PUT/ CALL | INVESTMENT DISCRETION | | | |
| | | | | | | | SOLE (A) | SHR (B) | OTHR O (C) | |
| KRAFT FOODS INC | CL A | 50075N104 | 5,438 | 154,267SH | | | | | | X |
| KROGER CO | COM | 501044101 | 11,497 | 408,701SH | | | X | | | |
| KROGER CO | COM | 501044101 | 97 | 3,441SH | | | | | | X |
| KULICKE & SOFFA INDS | COM | 501242101 | 285 | 27,258SH | | | X | | | |
| KYPHON INC | COM | 501577100 | 3,958 | 82,193SH | | | X | | | |
| LSI CORPORATION | COM | 502161102 | 76 | 10,055SH | | | X | | | |
| LSI CORPORATION | COM | 502161102 | 15 | 2,018SH | | | | | | X |
| L-3 COMMUNICATNS HLDGS | COM | 502424104 | 632 | 6,494SH | | | X | | | |
| L-3 COMMUNICATNS HLDGS | COM | 502424104 | 53 | 548SH | | | | | | X |
| LAB CORP AMER HLDGS | COM NEW | 50540R409 | 2,646 | 33,813SH | | | X | | | |
| LAB CORP AMER HLDGS | COM NEW | 50540R409 | 270 | 3,455SH | | | | | | X |
| LAM RESEARCH CORP | COM | 512807108 | 3,515 | 68,378SH | | | X | | | |
| LAM RESEARCH CORP | COM | 512807108 | 25 | 490SH | | | | | | X |
| LAUDER ESTEE COS INC | CL A | 518439104 | 6,269 | 137,744SH | | | X | | | |
| LAUDER ESTEE COS INC | CL A | 518439104 | 418 | 9,194SH | | | | | | X |
| LAWSON SOFTWARE INC NEW | COM | 52078P102 | 3,700 | 374,084SH | | | X | | | |
| LEAP WIRELESS INTL INC | COM NEW | 521863308 | 1,218 | 14,418SH | | | X | | | |
| LEGGETT & PLATT INC | COM | 524660107 | 1,650 | 74,843SH | | | X | | | |
| LEGGETT & PLATT INC | COM | 524660107 | 35 | 1,605SH | | | | | | X |
| LEGG MASON INC | COM | 524901105 | 525 | 5,337SH | | | X | | | |
| LEGG MASON INC | COM | 524901105 | 451 | 4,582SH | | | | | | X |
| LEHMAN BROS HLDGS INC | COM | 524908100 | 11,805 | 155,748SH | | | X | | | |
| LEHMAN BROS HLDGS INC | COM | 524908100 | 360 | 4,754SH | | | | | | X |
| LENNAR CORP | CL A | 526057104 | 5,983 | 163,645SH | | | X | | | |
| LENNAR CORP | CL A | 526057104 | 1 | 15SH | | | | | | X |
| LIBERTY MEDIA HLDG CORP | COM SER A | 53071M104 | 1,868 | 83,648SH | | | X | | | |
| LIBERTY MEDIA HLDG CORP | COM SER A | 53071M104 | 184 | 8,249SH | | | | | | X |
| LIBERTY MEDIA HLDG CORP | COM SER A | 53071M302 | 10,617 | 90,217SH | | | X | | | |
| LIBERTY MEDIA HLDG CORP | COM SER A | 53071M302 | 24 | 202SH | | | | | | X |
| LIFE TIME FITNESS INC | COM | 53217R207 | 5,417 | 101,771SH | | | X | | | |
| LIFECORE BIOMEDICAL INC | COM | 532187101 | 206 | 13,000SH | | | X | | | |
| LIHIR GOLD LTD | SPON ADR | 532349107 | 266 | 10,345SH | | | | | | X |
| LILLY ELI & CO | COM | 532457108 | 25,627 | 458,616SH | | | X | | | |
| LILLY ELI & CO | COM | 532457108 | 16,039 | 287,022SH | | | | | | X |
| LIMITED BRANDS INC | COM | 532716107 | 493 | 17,953SH | | | X | | | |
| LIMITED BRANDS INC | COM | 532716107 | 10 | 375SH | | | | | | X |
| LINCOLN NATL CORP IND | COM | 534187109 | 9,365 | 131,999SH | | | X | | | |
| LINCOLN NATL CORP IND | COM | 534187109 | 1,992 | 28,070SH | | | | | | X |
| LINEAR TECHNOLOGY CORP | COM | 535678106 | 177 | 4,895SH | | | X | | | |
| LINEAR TECHNOLOGY CORP | COM | 535678106 | 145 | 4,016SH | | | | | | X |
| LIZ CLAIBORNE INC | COM | 539320101 | 1,103 | 29,566SH | | | X | | | |
| LIZ CLAIBORNE INC | COM | 539320101 | 8 | 206SH | | | | | | X |
| LLOYDS TSB GROUP PLC | SPON ADR | 539439109 | 220 | 4,915SH | | | X | | | |
| LLOYDS TSB GROUP PLC | SPON ADR | 539439109 | 16 | 355SH | | | | | | X |
| LOCKHEED MARTIN CORP | COM | 539830109 | 22,920 | 243,490SH | | | X | | | |
| LOCKHEED MARTIN CORP | COM | 539830109 | 1,650 | 17,526SH | | | | | | X |
| LOEWS CORP | COM | 540424108 | 2,970 | 58,251SH | | | X | | | |
| LOEWS CORP | COM | 540424108 | 375 | 7,362SH | | | | | | X |
| LOWES COS INC | COM | 548661107 | 4,088 | 133,214SH | | | X | | | |
| LOWES COS INC | COM | 548661107 | 896 | 29,184SH | | | | | | X |
| LYONDELL CHEMICAL CO | COM | 552078107 | 1,981 | 53,379SH | | | X | | | |
| LYONDELL CHEMICAL CO | COM | 552078107 | 73 | 1,975SH | | | | | | X |
| MAF BANCORP INC | COM | 55261R108 | 353 | 6,509SH | | | X | | | |

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| | | | | | | | | | | |
|-------------------------|------|-----------|--------|-----------|--|--|---|--|--|---|
| MAF BANCORP INC | COM | 55261R108 | 77 | 1,422SH | | | | | | X |
| MBIA INC | COM | 55262C100 | 661 | 10,618SH | | | X | | | |
| MBIA INC | COM | 55262C100 | 322 | 5,178SH | | | | | | X |
| MDU RES GROUP INC | COM | 552690109 | 4,019 | 143,340SH | | | X | | | |
| MDU RES GROUP INC | COM | 552690109 | 352 | 12,564SH | | | | | | X |
| MEMC ELECTR MATLS INC | COM | 552715104 | 2,107 | 34,468SH | | | X | | | |
| MEMC ELECTR MATLS INC | COM | 552715104 | 147 | 2,406SH | | | | | | X |
| MGE ENERGY INC | COM | 55277P104 | 1,845 | 56,482SH | | | X | | | |
| MGE ENERGY INC | COM | 55277P104 | 109 | 3,350SH | | | | | | X |
| MGIC INVT CORP WIS | COM | 552848103 | 10,905 | 191,792SH | | | X | | | |
| MGIC INVT CORP WIS | COM | 552848103 | 268 | 4,711SH | | | | | | X |
| MGM MIRAGE | COM | 552953101 | 223 | 2,702SH | | | X | | | |
| MGM MIRAGE | COM | 552953101 | 118 | 1,432SH | | | | | | X |
| MSC SOFTWARE CORP | COM | 553531104 | 241 | 17,800SH | | | X | | | |
| MWI VETERINARY SUPPLY | COM | 55402X105 | 2,644 | 66,294SH | | | X | | | |
| MWI VETERINARY SUPPLY | COM | 55402X105 | 12 | 290SH | | | | | | X |
| MADISON/CLAYMORE CVRD | COM | 556582104 | 197 | 13,400SH | | | X | | | |
| MACYS INC | COM | 55616P104 | 1,087 | 27,319SH | | | X | | | |
| MACYS INC | COM | 55616P104 | 121 | 3,052SH | | | | | | X |
| MAGMA DESIGN AUTOMATION | COM | 559181102 | 2,408 | 171,519SH | | | X | | | |
| MAGNA INTL INC | CL A | 559222401 | 187 | 2,060SH | | | X | | | |
| MAGNA INTL INC | CL A | 559222401 | 466 | 5,121SH | | | | | | X |
| MANITOWOC INC | COM | 563571108 | 5,917 | 73,607SH | | | X | | | |
| MANITOWOC INC | COM | 563571108 | 176 | 2,186SH | | | | | | X |
| MANOR CARE INC NEW | COM | 564055101 | 1,493 | 22,872SH | | | X | | | |
| MANOR CARE INC NEW | COM | 564055101 | 26 | 403SH | | | | | | X |
| MANPOWER INC | COM | 56418H100 | 10,760 | 116,650SH | | | X | | | |
| MANPOWER INC | COM | 56418H100 | 195 | 2,113SH | | | | | | X |
| MANULIFE FINL CORP | COM | 56501R106 | 624 | 16,714SH | | | X | | | |
| MANULIFE FINL CORP | COM | 56501R106 | 28 | 758SH | | | | | | X |
| MARATHON OIL CORP | COM | 565849106 | 11,705 | 195,220SH | | | X | | | |
| MARATHON OIL CORP | COM | 565849106 | 575 | 9,589SH | | | | | | X |
| MARCUS CORP | COM | 566330106 | 91 | 3,809SH | | | X | | | |
| MARCUS CORP | COM | 566330106 | 491 | 20,650SH | | | | | | X |
| MARSH & MCLENNAN COS | COM | 571748102 | 863 | 27,952SH | | | X | | | |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | | | |
|------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|---|---|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) | M | |
| MARSH & MCLENNAN COS | COM | 571748102 | 246 | 7,955SH | | | | | | X |
| MARSHALL & ILSLEY CORP | COM | 571834100 | 262,135 | 5,503,572SH | | | X | | | |
| MARSHALL & ILSLEY CORP | COM | 571834100 | 79,895 | 1,677,408SH | | | | | | X |
| MARRIOTT INTL INC NEW | CL A | 571903202 | 208 | 4,816SH | | | X | | | |
| MARRIOTT INTL INC NEW | CL A | 571903202 | 2 | 51SH | | | | | | X |
| MASCO CORP | COM | 574599106 | 4,565 | 160,355SH | | | X | | | |

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| | | | | | | | |
|-------------------------|-------------|-----------|--------|-------------|--|---|---|
| MASCO CORP | COM | 574599106 | 72 | 2,543SH | | | X |
| MASTERCARD INC | CL A | 57636Q104 | 2,151 | 12,968SH | | X | |
| MATTEL INC | COM | 577081102 | 1,634 | 64,618SH | | X | |
| MATTEL INC | COM | 577081102 | 162 | 6,387SH | | | X |
| MAXIMUS INC | COM | 577933104 | 563 | 12,970SH | | X | |
| MCAFFEE INC | COM | 579064106 | 1,768 | 50,224SH | | X | |
| MCCORMICK & CO INC | COM NON VTG | 579780206 | 586 | 15,353SH | | X | |
| MCCORMICK & CO INC | COM NON VTG | 579780206 | 5 | 132SH | | | X |
| MCDONALDS CORP | COM | 580135101 | 11,594 | 228,411SH | | X | |
| MCDONALDS CORP | COM | 580135101 | 2,241 | 44,142SH | | | X |
| MCGRAW HILL COS INC | COM | 580645109 | 5,374 | 78,941SH | | X | |
| MCGRAW HILL COS INC | COM | 580645109 | 575 | 8,446SH | | | X |
| MCKESSON CORP | COM | 58155Q103 | 617 | 10,343SH | | X | |
| MCKESSON CORP | COM | 58155Q103 | 1 | 15SH | | | X |
| MEADWESTVACO CORP | COM | 583334107 | 12,452 | 352,546SH | | X | |
| MEADWESTVACO CORP | COM | 583334107 | 329 | 9,326SH | | | X |
| MEDCATH CORP | COM | 58404W109 | 2,869 | 90,207SH | | X | |
| MEDCO HEALTH SOLUTIONS | COM | 58405U102 | 4,864 | 62,368SH | | X | |
| MEDCO HEALTH SOLUTIONS | COM | 58405U102 | 243 | 3,120SH | | | X |
| MEDTRONIC INC | COM | 585055106 | 15,294 | 294,906SH | | X | |
| MEDTRONIC INC | COM | 585055106 | 1,664 | 32,089SH | | | X |
| MELLON FINL CORP COM | | 58551A108 | 1,649 | 37,482SH | | X | |
| MELLON FINL CORP COM | | 58551A108 | 200 | 4,551SH | | | X |
| MERCK & CO INC | COM | 589331107 | 15,299 | 307,214SH | | X | |
| MERCK & CO INC | COM | 589331107 | 3,847 | 77,242SH | | | X |
| MEREDITH CORP | COM | 589433101 | 751 | 12,189SH | | X | |
| MEREDITH CORP | COM | 589433101 | 20 | 324SH | | | X |
| MERRILL LYNCH & CO INC | COM | 590188108 | 17,044 | 203,923SH | | X | |
| MERRILL LYNCH & CO INC | COM | 590188108 | 246 | 2,947SH | | | X |
| METLIFE INC | COM | 59156R108 | 1,500 | 23,268SH | | X | |
| METLIFE INC | COM | 59156R108 | 54 | 833SH | | | X |
| MICROSOFT CORP | COM | 594918104 | 55,718 | 1,890,676SH | | X | |
| MICROSOFT CORP | COM | 594918104 | 8,541 | 289,805SH | | | X |
| MICROCHIP TECHNOLOGY | COM | 595017104 | 506 | 13,656SH | | X | |
| MICROCHIP TECHNOLOGY | COM | 595017104 | 14 | 377SH | | | X |
| MICRON TECHNOLOGY INC | COM | 595112103 | 374 | 29,811SH | | X | |
| MICRON TECHNOLOGY INC | COM | 595112103 | 29 | 2,335SH | | | X |
| MICROSEMI CORP | COM | 595137100 | 4,182 | 174,600SH | | X | |
| MIDCAP SPDR TR | UNIT SER 1 | 595635103 | 8,596 | 52,754SH | | X | |
| MIDCAP SPDR TR | UNIT SER 1 | 595635103 | 769 | 4,720SH | | | X |
| MIDDLEBY CORP | COM | 596278101 | 3,305 | 55,254SH | | X | |
| MIDDLEBY CORP | COM | 596278101 | 16 | 272SH | | | X |
| MILLEA HOLDINGS INC | ADR | 60032R106 | 234 | 5,696SH | | X | |
| MILLIPORE CORP | COM | 601073109 | 871 | 11,594SH | | X | |
| MILLIPORE CORP | COM | 601073109 | 1 | 11SH | | | X |
| MITSUBISHI UFJ FINL GRP | SPON ADR | 606822104 | 182 | 16,512SH | | X | |
| MITSUBISHI UFJ FINL GRP | SPON ADR | 606822104 | 5 | 480SH | | | X |
| MODINE MFG CO | COM | 607828100 | 1,512 | 66,921SH | | X | |
| MODINE MFG CO | COM | 607828100 | 466 | 20,600SH | | | X |
| MOHAWK INDS INC | COM | 608190104 | 11,387 | 112,973SH | | X | |
| MOLSON COORS BREWING CO | CL B | 60871R209 | 540 | 5,835SH | | X | |
| MOLSON COORS BREWING CO | CL B | 60871R209 | 9 | 95SH | | | X |
| MONSANTO CO NEW | COM | 61166W101 | 4,306 | 63,757SH | | X | |
| MONSANTO CO NEW | COM | 61166W101 | 734 | 10,868SH | | | X |
| MOODYS CORP | COM | 615369105 | 982 | 15,791SH | | X | |
| MOODYS CORP | COM | 615369105 | 211 | 3,392SH | | | X |
| MOOG INC | CL A | 615394202 | 3,833 | 86,907SH | | X | |
| MORGAN STANLEY | COM NEW | 617446448 | 25,919 | 308,996SH | | X | |
| MORGAN STANLEY | COM NEW | 617446448 | 2,198 | 26,202SH | | | X |
| MORGANS HOTEL GROUP CO | COM | 61748W108 | 2,695 | 110,553SH | | X | |
| MOSAIC CO | COM | 61945A107 | 176 | 4,520SH | | X | |
| MOSAIC CO | COM | 61945A107 | 39 | 1,000SH | | | X |

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|-------------------------|----------|-----------|--------|-----------|---|---|
| MOTOROLA INC | COM | 620076109 | 2,601 | 146,938SH | X | |
| MOTOROLA INC | COM | 620076109 | 528 | 29,822SH | | X |
| MURPHY OIL CORP | COM | 626717102 | 13,556 | 228,069SH | X | |
| MURPHY OIL CORP | COM | 626717102 | 439 | 7,380SH | | X |
| MYLAN LABS INC | COM | 628530107 | 1,220 | 67,073SH | X | |
| MYLAN LABS INC | COM | 628530107 | 51 | 2,797SH | | X |
| NCR CORP NEW | COM | 62886E108 | 473 | 8,998SH | X | |
| NCR CORP NEW | COM | 62886E108 | 45 | 862SH | | X |
| NII HLDGS INC | CL B NEW | 62913F201 | 3,198 | 39,612SH | X | |
| NATIONAL CINEMEDIA INC | COM | 635309107 | 5,539 | 197,738SH | X | |
| NATIONAL CITY CORP | COM | 635405103 | 9,830 | 295,019SH | X | |
| NATIONAL CITY CORP | COM | 635405103 | 451 | 13,546SH | | X |
| NATL FUEL GAS CO NJ | COM | 636180101 | 339 | 7,833SH | X | |
| NATL FUEL GAS CO NJ | COM | 636180101 | 50 | 1,164SH | | X |
| NATL OILWELL VARCO INC | COM | 637071101 | 2,624 | 25,170SH | X | |
| NATL OILWELL VARCO INC | COM | 637071101 | 107 | 1,029SH | | X |
| NATL SEMICONDUCTOR CORP | COM | 637640103 | 569 | 20,120SH | X | |
| NATL SEMICONDUCTOR CORP | COM | 637640103 | 43 | 1,537SH | | X |
| NAVTEQ CORP | COM | 63936L100 | 1,187 | 28,025SH | X | |
| NAVTEQ CORP | COM | 63936L100 | 113 | 2,674SH | | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| NET SERV DE COMUNICACAO | SPONSD ADR | 64109T201 | 3,443 | 208,171SH | | X | | |
| NETSCOUT SYS INC | COM | 64115T104 | 1,514 | 174,586SH | | X | | |
| NETWORK APPLIANCE INC | COM | 64120L104 | 339 | 11,598SH | | X | | |
| NETWORK APPLIANCE INC | COM | 64120L104 | 10 | 329SH | | | | X |
| NEW YORK TIMES CO | CL A | 650111107 | 1,590 | 62,599SH | | X | | |
| NEW YORK TIMES CO | CL A | 650111107 | 36 | 1,410SH | | | | X |
| NEWALLIANCE BANCSHARES | COM | 650203102 | 165 | 11,194SH | | X | | |
| NEWELL RUBBERMAID INC | COM | 651229106 | 6,196 | 210,547SH | | X | | |
| NEWELL RUBBERMAID INC | COM | 651229106 | 340 | 11,551SH | | | | X |
| NEWFIELD EXPL CO | COM | 651290108 | 8,735 | 191,768SH | | X | | |
| NEWMONT MINING CORP | COM | 651639106 | 543 | 13,892SH | | X | | |
| NEWMONT MINING CORP | COM | 651639106 | 512 | 13,120SH | | | | X |
| NEWS CORP | CL A | 65248E104 | 3,841 | 181,078SH | | X | | |
| NEWS CORP | CL A | 65248E104 | 192 | 9,031SH | | | | X |
| NEXCEN BRANDS INC | COM | 653351106 | 3,584 | 321,693SH | | X | | |
| NICHOLS-APPLEGATE CONV | COM | 65370F101 | 332 | 21,000SH | | X | | |
| NICOR INC | COM | 654086107 | 1,881 | 43,815SH | | X | | |
| NICOR INC | COM | 654086107 | 62 | 1,456SH | | | | X |
| NIKE INC | CL B | 654106103 | 8,319 | 142,720SH | | X | | |
| NIKE INC | CL B | 654106103 | 548 | 9,403SH | | | | X |
| NIPPON TELEG & TEL CORP | SPON ADR | 654624105 | 174 | 7,851SH | | X | | |

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|-------------------------|------------|-----------|--------|-----------|---|--|---|
| NIPPON TELEG & TEL CORP | SPON ADR | 654624105 | 873 | 39,355SH | | | X |
| NISOURCE INC | COM | 65473P105 | 1,612 | 77,851SH | X | | |
| NISOURCE INC | COM | 65473P105 | 199 | 9,588SH | | | X |
| NOKIA CORP | SPON ADR | 654902204 | 2,482 | 88,296SH | X | | |
| NOKIA CORP | SPON ADR | 654902204 | 1,772 | 63,039SH | | | X |
| NOBLE ENERGY INC | COM | 655044105 | 13,317 | 213,452SH | X | | |
| NOBLE ENERGY INC | COM | 655044105 | 137 | 2,200SH | | | X |
| NORDSTROM INC | COM | 655664100 | 2,423 | 47,397SH | X | | |
| NORDSTROM INC | COM | 655664100 | 241 | 4,705SH | | | X |
| NORFOLK SOUTHERN CORP | COM | 655844108 | 5,220 | 99,302SH | X | | |
| NORFOLK SOUTHERN CORP | COM | 655844108 | 140 | 2,660SH | | | X |
| NORTH AM PALLADIUM LTD | COM | 656912102 | 2,067 | 217,607SH | X | | |
| NORTH EURO OIL RTY TR | SH BEN INT | 659310106 | 248 | 6,300SH | X | | |
| NORTHERN TR CORP | COM | 665859104 | 10,710 | 166,722SH | X | | |
| NORTHERN TR CORP | COM | 665859104 | 980 | 15,253SH | | | X |
| NORTHROP GRUMMAN CORP | COM | 666807102 | 6,259 | 80,382SH | X | | |
| NORTHROP GRUMMAN CORP | COM | 666807102 | 379 | 4,867SH | | | X |
| NOVARTIS A G | SPON ADR | 66987V109 | 518 | 9,236SH | X | | |
| NOVARTIS A G | SPON ADR | 66987V109 | 422 | 7,518SH | | | X |
| NOVAVAX INC | COM | 670002104 | 308 | 106,160SH | X | | |
| NOVELL INC | COM | 670006105 | 381 | 48,850SH | X | | |
| NOVELL INC | COM | 670006105 | 4 | 570SH | | | X |
| NUCOR CORP | COM | 670346105 | 7,089 | 120,870SH | X | | |
| NUCOR CORP | COM | 670346105 | 19 | 330SH | | | X |
| NVIDIA CORP | COM | 67066G104 | 4,623 | 111,919SH | X | | |
| NVIDIA CORP | COM | 67066G104 | 230 | 5,569SH | | | X |
| NUVASIVE INC | COM | 670704105 | 3,105 | 114,947SH | X | | |
| NUVEEN QLTQ PFD INC FD | COM | 67071S101 | 181 | 13,824SH | X | | |
| NXSTAGE MEDICAL INC | COM | 67072V103 | 2,117 | 163,743SH | X | | |
| OGE ENERGY CORP | COM | 670837103 | 435 | 11,869SH | X | | |
| OGE ENERGY CORP | COM | 670837103 | 94 | 2,556SH | | | X |
| NUVEEN INVTS INC | CL A | 67090F106 | 7,096 | 114,170SH | X | | |
| NUVEEN INVTS INC | CL A | 67090F106 | 296 | 4,757SH | | | X |
| NUVEEN MUN VALUE FD | COM | 670928100 | 53 | 5,423SH | X | | |
| NUVEEN MUN VALUE FD | COM | 670928100 | 54 | 5,500SH | X | | |
| OSI SYSTEMS INC | COM | 671044105 | 2,548 | 93,148SH | X | | |
| OBAGI MEDICAL PRODUCTS | COM | 67423R108 | 2,126 | 119,989SH | X | | |
| OCCIDENTAL PETE CORP | COM | 674599105 | 5,589 | 96,556SH | X | | |
| OCCIDENTAL PETE CORP | COM | 674599105 | 744 | 12,852SH | | | X |
| OCEANEERING INTL INC | COM | 675232102 | 65 | 1,243SH | X | | |
| OCEANEERING INTL INC | COM | 675232102 | 280 | 5,315SH | | | X |
| ODYSSEY MARINE EXPLRTN | COM | 676118102 | 196 | 32,640SH | X | | |
| OFFICEMAX INC DEL | COM | 67622P101 | 390 | 9,917SH | X | | |
| OFFICEMAX INC DEL | COM | 67622P101 | 3 | 80SH | | | X |
| OFFICE DEPOT INC | COM | 676220106 | 1,281 | 42,268SH | X | | |
| OFFICE DEPOT INC | COM | 676220106 | 7 | 238SH | | | X |
| OLD REP INTL CORP | COM | 680223104 | 512 | 24,087SH | X | | |
| OLD REP INTL CORP | COM | 680223104 | 8,086 | 380,357SH | | | X |
| OMNICARE INC | COM | 681904108 | 9,281 | 257,366SH | X | | |
| OMNICOM GROUP INC | COM | 681919106 | 1,049 | 19,824SH | X | | |
| OMNICOM GROUP INC | COM | 681919106 | 13 | 244SH | | | X |
| ON SEMICONDUCTOR CORP | COM | 682189105 | 3,736 | 348,464SH | X | | |
| ONEOK INC NEW | COM | 682680103 | 2,985 | 59,206SH | X | | |
| OPEN JT STK CO-VIMPEL | SPON ADR | 68370R109 | 2,893 | 27,456SH | X | | |
| OPEN JT STK CO-VIMPEL | SPON ADR | 68370R109 | 106 | 1,010SH | | | X |
| ORACLE CORP | COM | 68389X105 | 10,687 | 542,204SH | X | | |
| ORACLE CORP | COM | 68389X105 | 1,147 | 58,213SH | | | X |
| OSHKOSH TRUCK CORP | COM | 688239201 | 2,070 | 32,901SH | X | | |
| OSHKOSH TRUCK CORP | COM | 688239201 | 3,051 | 48,490SH | | | X |
| OTTER TAIL CORP | COM | 689648103 | 221 | 6,906SH | X | | |
| OTTER TAIL CORP | COM | 689648103 | 12 | 384SH | | | X |
| OWENS & MINOR INC NEW | COM | 690732102 | 2,469 | 70,662SH | X | | |

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| | | | | | | |
|----------------|---------|-----------|--------|-----------|---|---|
| OWENS ILL INC | COM NEW | 690768403 | 194 | 5,557SH | X | |
| OWENS ILL INC | COM NEW | 690768403 | 25 | 707SH | | X |
| PG&E CORP | COM | 69331C108 | 10,737 | 237,027SH | X | |
| PG&E CORP | COM | 69331C108 | 92 | 2,033SH | | X |
| PICO HLDGS INC | COM NEW | 693366205 | 2,465 | 56,986SH | X | |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ PRN CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-----------------|-------------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| PNC FINL SVCS GROUP INC | COM | 693475105 | 4,560 | 63,707SH | | X | | |
| PNC FINL SVCS GROUP INC | COM | 693475105 | 595 | 8,316SH | | | | X |
| PPG INDS INC | COM | 693506107 | 3,443 | 45,239SH | | X | | |
| PPG INDS INC | COM | 693506107 | 405 | 5,323SH | | | | X |
| PPL CORP | COM | 69351T106 | 13,587 | 290,380SH | | X | | |
| PPL CORP | COM | 69351T106 | 19 | 400SH | | | | X |
| PRA INTL | COM | 69353C101 | 288 | 11,400SH | | X | | |
| PACCAR INC | COM | 693718108 | 1,197 | 13,754SH | | X | | |
| PACCAR INC | COM | 693718108 | 124 | 1,421SH | | | | X |
| PACER INTL INC TENN | COM | 69373H106 | 387 | 16,460SH | | X | | |
| PACKAGING CORP AMER | COM | 695156109 | 9,323 | 368,335SH | | X | | |
| PACTIV CORP | COM | 695257105 | 170 | 5,340SH | | X | | |
| PACTIV CORP | COM | 695257105 | 57 | 1,799SH | | | | X |
| PALL CORP | COM | 696429307 | 198 | 4,299SH | | X | | |
| PALL CORP | COM | 696429307 | 3 | 72SH | | | | X |
| PARALLEL PETE CORP DEL | COM | 699157103 | 3,876 | 176,994SH | | X | | |
| PAREXEL INTL CORP | COM | 699462107 | 3,030 | 72,051SH | | X | | |
| PARKER HANNIFIN CORP | COM | 701094104 | 7,018 | 71,676SH | | X | | |
| PARKER HANNIFIN CORP | COM | 701094104 | 344 | 3,515SH | | | | X |
| PAYCHEX INC | COM | 704326107 | 644 | 16,466SH | | X | | |
| PAYCHEX INC | COM | 704326107 | 105 | 2,679SH | | | | X |
| PEABODY ENERGY CORP | COM | 704549104 | 410 | 8,478SH | | X | | |
| PEABODY ENERGY CORP | COM | 704549104 | 401 | 8,283SH | | | | X |
| PENGROWTH ENERGY TR | TR UNIT NEW | 706902509 | 475 | 24,905SH | | X | | |
| PENN VA CORP | COM | 707882106 | 28 | 690SH | | X | | |
| PENN VA CORP | COM | 707882106 | 343 | 8,536SH | | | | X |
| PENNEY J C INC | COM | 708160106 | 13,344 | 184,359SH | | X | | |
| PENNEY J C INC | COM | 708160106 | 2,271 | 31,375SH | | | | X |
| PEPCO HOLDINGS INC | COM | 713291102 | 7,502 | 266,044SH | | X | | |
| PEPSI BOTTLING GROUP | COM | 713409100 | 340 | 10,084SH | | X | | |
| PEPSI BOTTLING GROUP | COM | 713409100 | 8 | 238SH | | | | X |
| PEPSICO INC | COM | 713448108 | 27,516 | 424,296SH | | X | | |
| PEPSICO INC | COM | 713448108 | 7,352 | 113,374SH | | | | X |
| PERFICIENT INC | COM | 71375U101 | 2,618 | 126,492SH | | X | | |
| PERKINELMER INC | COM | 714046109 | 403 | 15,471SH | | X | | |
| PERKINELMER INC | COM | 714046109 | 13 | 516SH | | | | X |

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| | | | | | | |
|-------------------------|-------------|-----------|--------|-------------|---|---|
| PEROT SYS CORP | CL A | 714265105 | 356 | 20,864SH | X | |
| PERRIGO CO | COM | 714290103 | 301 | 15,394SH | X | |
| PERRIGO CO | COM | 714290103 | 33 | 1,700SH | | X |
| PETMED EXPRESS INC | COM | 716382106 | 3,343 | 260,343SH | X | |
| PETROHAWK ENERGY CORP | COM | 716495106 | 4,068 | 256,504SH | X | |
| PETROHAWK ENERGY CORP | COM | 716495106 | 54 | 3,390SH | | X |
| PFIZER INC | COM | 717081103 | 46,277 | 1,809,833SH | X | |
| PFIZER INC | COM | 717081103 | 6,928 | 270,932SH | | X |
| PHILADELPHIA CONS HLDG | COM | 717528103 | 164 | 3,920SH | X | |
| PHILADELPHIA CONS HLDG | COM | 717528103 | 40 | 967SH | | X |
| PHILLIPS VAN HEUSEN | COM | 718592108 | 1,880 | 31,040SH | X | |
| PHILLIPS VAN HEUSEN | COM | 718592108 | 31 | 519SH | | X |
| PILGRIMS PRIDE CORP | COM | 721467108 | 17,528 | 459,197SH | X | |
| PINNACLE WEST CAP CORP | COM | 723484101 | 3,849 | 96,593SH | X | |
| PINNACLE WEST CAP CORP | COM | 723484101 | 80 | 2,000SH | | X |
| PITNEY BOWES INC | COM | 724479100 | 5,055 | 107,968SH | X | |
| PITNEY BOWES INC | COM | 724479100 | 245 | 5,236SH | | X |
| PLAINS ALL AMERN PIPLNE | UNIT LP | 726503105 | 412 | 6,467SH | X | |
| PLUM CREEK TIMBER CO | COM | 729251108 | 10,281 | 246,794SH | X | |
| PLUM CREEK TIMBER CO | COM | 729251108 | 1,151 | 27,617SH | | X |
| POGO PRODUCING CO | COM | 730448107 | 324 | 6,378SH | X | |
| POLO RALPH LAUREN CORP | CL A | 731572103 | 2,256 | 22,998SH | X | |
| POLO RALPH LAUREN CORP | CL A | 731572103 | 1 | 15SH | | X |
| POTASH CORP SASK INC | COM | 73755L107 | 130 | 1,668SH | X | |
| POTASH CORP SASK INC | COM | 73755L107 | 129 | 1,655SH | | X |
| POWELL INDS INC | COM | 739128106 | 886 | 27,900SH | | X |
| POWERSHARES QQQ TRUST | UNIT SER 1 | 73935A104 | 970 | 20,372SH | X | |
| POWERSHARES QQQ TRUST | UNIT SER 1 | 73935A104 | 254 | 5,337SH | | X |
| PWRSHRS DB CMDTY IDX | UNIT BENINT | 73935S105 | 469 | 18,255SH | X | |
| POWERSHARES ETF TRUST | PRVTEQTYPRT | 73935X195 | 633 | 23,285SH | X | |
| POWERSHARES ETF TRUST | HIYLDEQDVDN | 73935X302 | 557 | 36,200SH | X | |
| POWERSHARES ETF TRUST | WNRHRLCLNEN | 73935X500 | 260 | 12,500SH | X | |
| POWERSHARES ETF TRUST | FTSEUS1500S | 73935X567 | 325 | 5,551SH | X | |
| POWERSHARES ETF TRUST | WATERRESRCE | 73935X575 | 422 | 20,150SH | X | |
| POWERSHARES ETF TRUST | WATERRESRCE | 73935X575 | 21 | 1,000SH | | X |
| POWERSHARES ETF TRUST | FTSERFI1000 | 73935X583 | 5,164 | 83,110SH | X | |
| POWERSHARES ETF TRUST | FTSERFI1000 | 73935X583 | 179 | 2,882SH | | X |
| POWERSHARES ETF TRUST | DYNBIOT&GEN | 73935X856 | 183 | 10,000SH | X | |
| PRAXAIR INC | COM | 74005P104 | 7,680 | 106,686SH | X | |
| PRAXAIR INC | COM | 74005P104 | 744 | 10,329SH | | X |
| PRECISION CASTPARTS | COM | 740189105 | 4,874 | 40,165SH | X | |
| PRECISION CASTPARTS | COM | 740189105 | 337 | 2,776SH | | X |
| PRICE T ROWE GROUP INC | COM | 74144T108 | 2,441 | 47,048SH | X | |
| PRICE T ROWE GROUP INC | COM | 74144T108 | 218 | 4,197SH | | X |
| PRINCIPAL FINANCIAL GRP | COM | 74251V102 | 949 | 16,282SH | X | |
| PRINCIPAL FINANCIAL GRP | COM | 74251V102 | 10 | 178SH | | X |
| PROASSURANCE CORP | COM | 74267C106 | 271 | 4,875SH | X | |
| PROASSURANCE CORP | COM | 74267C106 | 24 | 440SH | | X |
| PROCTER & GAMBLE CO | COM | 742718109 | 51,905 | 848,252SH | X | |
| PROCTER & GAMBLE CO | COM | 742718109 | 10,356 | 169,246SH | | X |
| PROGRESS ENERGY INC | COM | 743263105 | 13,715 | 300,844SH | X | |
| PROGRESS ENERGY INC | COM | 743263105 | 303 | 6,649SH | | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F

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ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------------|-----------|------------------------------|--------------------|---------------------|--------------------------|------------|-------------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| PROGRESSIVE CORP OHIO | COM | 743315103 | 8,265 | 345,394SH | | X | | |
| PROGRESSIVE CORP OHIO | COM | 743315103 | 425 | 17,751SH | | | | X |
| PROLOGIS | SH BEN INT | 743410102 | 6,749 | 118,618SH | | X | | |
| PROLOGIS | SH BEN INT | 743410102 | 39 | 689SH | | | | X |
| PROTECTIVE LIFE CORP | COM | 743674103 | 12,026 | 251,529SH | | X | | |
| PRUDENTIAL FINL INC | COM | 744320102 | 2,651 | 27,261SH | | X | | |
| PRUDENTIAL FINL INC | COM | 744320102 | 49 | 500SH | | | | X |
| PUBLIC SVC ENTRPRSE GRP | COM | 744573106 | 767 | 8,743SH | | X | | |
| PUBLIC SVC ENTRPRSE GRP | COM | 744573106 | 156 | 1,777SH | | | | X |
| PUBLIC STORAGE | COM | 74460D109 | 384 | 5,001SH | | X | | |
| PUBLIC STORAGE | COM | 74460D109 | 70 | 906SH | | | | X |
| QUALCOMM INC | COM | 747525103 | 15,698 | 361,798SH | | X | | |
| QUALCOMM INC | COM | 747525103 | 1,625 | 37,445SH | | | | X |
| QUANTA SVCS INC | COM | 74762E102 | 177 | 5,763SH | | X | | |
| QUANTA SVCS INC | COM | 74762E102 | 32 | 1,047SH | | | | X |
| QUEST DIAGNOSTICS INC | COM | 74834L100 | 193 | 3,743SH | | X | | |
| QUEST DIAGNOSTICS INC | COM | 74834L100 | 91 | 1,757SH | | | | X |
| QUESTAR CORP | COM | 748356102 | 1,940 | 36,712SH | | X | | |
| QUESTAR CORP | COM | 748356102 | 85 | 1,600SH | | | | X |
| QUICKSILVER RESOURCES | COM | 74837R104 | 3,054 | 68,504SH | | X | | |
| QWEST COMMUNICATNS INTL | COM | 749121109 | 518 | 53,375SH | | X | | |
| QWEST COMMUNICATNS INTL | COM | 749121109 | 123 | 12,720SH | | | | X |
| RPM INTL INC | COM | 749685103 | 72 | 3,108SH | | X | | |
| RPM INTL INC | COM | 749685103 | 260 | 11,250SH | | | | X |
| RADIAN GROUP INC | COM | 750236101 | 579 | 10,717SH | | X | | |
| RADIAN GROUP INC | COM | 750236101 | 60 | 1,112SH | | | | X |
| RADIOSHACK CORP | COM | 750438103 | 187 | 5,632SH | | X | | |
| RADIOSHACK CORP | COM | 750438103 | 41 | 1,236SH | | | | X |
| RANGE RES CORP | COM | 75281A109 | 1,395 | 37,300SH | | X | | |
| RAYONIER INC | COM | 754907103 | 81 | 1,800SH | | X | | |
| RAYONIER INC | COM | 754907103 | 451 | 10,000SH | | | | X |
| RAYTHEON CO | COM NEW | 755111507 | 1,547 | 28,704SH | | X | | |
| RAYTHEON CO | COM NEW | 755111507 | 308 | 5,717SH | | | | X |
| REGAL BELOIT CORP | COM | 758750103 | 31,836 | 684,059SH | | X | | |
| REGAL BELOIT CORP | COM | 758750103 | 384 | 8,246SH | | | | X |
| REGIONS FINANCIAL CORP | COM | 7591EP100 | 10,118 | 305,690SH | | X | | |
| REGIONS FINANCIAL CORP | COM | 7591EP100 | 271 | 8,184SH | | | | X |
| REHABCARE GROUP INC | COM | 759148109 | 419 | 29,450SH | | X | | |
| REPUBLIC SVCS INC | COM | 760759100 | 13,067 | 426,462SH | | X | | |
| REPUBLIC SVCS INC | COM | 760759100 | 82 | 2,690SH | | | | X |
| RESEARCH IN MOTION LTD | COM | 760975102 | 271 | 1,353SH | | X | | |
| RESEARCH IN MOTION LTD | COM | 760975102 | 188 | 938SH | | | | X |
| RESMED INC | COM | 761152107 | 1,304 | 31,600SH | | X | | |
| RESMED INC | COM | 761152107 | 86 | 2,083SH | | | | X |
| REYNOLDS AMERICAN INC | COM | 761713106 | 7,042 | 108,010SH | | X | | |
| REYNOLDS AMERICAN INC | COM | 761713106 | 156 | 2,397SH | | | | X |
| RIO TINTO PLC | SPON ADR | 767204100 | 259 | 845SH | | X | | |
| RIO TINTO PLC | SPON ADR | 767204100 | 937 | 3,061SH | | | | X |
| RITE AID CORP | COM | 767754104 | 6,783 | 1,063,101SH | | X | | |
| RITE AID CORP | COM | 767754104 | 4 | 700SH | | | | X |
| ROBERT HALF INTL INC | COM | 770323103 | 2,368 | 64,866SH | | X | | |

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| | | | | | | | | | | |
|-------------------------|-------------|-----------|--------|-----------|--|---|--|--|--|---|
| ROBERT HALF INTL INC | COM | 770323103 | 3 | 71SH | | | | | | X |
| ROCKWELL AUTOMATION INC | COM | 773903109 | 1,897 | 27,325SH | | X | | | | |
| ROCKWELL AUTOMATION INC | COM | 773903109 | 372 | 5,364SH | | | | | | X |
| ROCKWELL COLLINS INC | COM | 774341101 | 4,880 | 69,084SH | | X | | | | |
| ROCKWELL COLLINS INC | COM | 774341101 | 389 | 5,505SH | | | | | | X |
| ROGERS CORP | COM | 775133101 | 228 | 6,152SH | | X | | | | |
| ROHM & HAAS CO | COM | 775371107 | 1,581 | 28,916SH | | X | | | | |
| ROHM & HAAS CO | COM | 775371107 | 37 | 678SH | | | | | | X |
| ROPER INDS INC NEW | COM | 776696106 | 2,403 | 42,092SH | | X | | | | |
| ROSS STORES INC | COM | 778296103 | 9,576 | 310,898SH | | X | | | | |
| ROWAN COS INC | COM | 779382100 | 231 | 5,645SH | | X | | | | |
| ROWAN COS INC | COM | 779382100 | 1 | 34SH | | | | | | X |
| ROYAL DUTCH SHELL PLC | SPON ADR B | 780259107 | 698 | 8,377SH | | X | | | | |
| ROYAL DUTCH SHELL PLC | SPON ADR B | 780259107 | 817 | 9,806SH | | | | | | X |
| ROYAL DUTCH SHELL PLC | SPONS ADR A | 780259206 | 7,433 | 91,541SH | | X | | | | |
| ROYAL DUTCH SHELL PLC | SPONS ADR A | 780259206 | 2,595 | 31,952SH | | | | | | X |
| RYDER SYS INC | COM | 783549108 | 247 | 4,589SH | | X | | | | |
| RYDER SYS INC | COM | 783549108 | 10 | 178SH | | | | | | X |
| RYDEX ETF TRUST | S&P500EQTRD | 78355W106 | 864 | 16,873SH | | X | | | | |
| RYDEX ETF TRUST | S&P500EQTRD | 78355W106 | 132 | 2,584SH | | | | | | X |
| SBA COMMUNICATIONS CORP | COM | 78388J106 | 3,298 | 98,170SH | | X | | | | |
| SBA COMMUNICATIONS CORP | COM | 78388J106 | 87 | 2,598SH | | | | | | X |
| SEI INVESTMENTS CO | COM | 784117103 | 256 | 8,802SH | | X | | | | |
| SEI INVESTMENTS CO | COM | 784117103 | 70 | 2,400SH | | | | | | X |
| SK TELECOM LTD | SPON ADR | 78440P108 | 267 | 9,755SH | | X | | | | |
| SK TELECOM LTD | SPON ADR | 78440P108 | 188 | 6,866SH | | | | | | X |
| SLM CORP | COM | 78442P106 | 501 | 8,697SH | | X | | | | |
| SLM CORP | COM | 78442P106 | 71 | 1,227SH | | | | | | X |
| SPDR TR | UNIT SER 1 | 78462F103 | 36,143 | 240,263SH | | X | | | | |
| SPDR TR | UNIT SER 1 | 78462F103 | 3,794 | 25,224SH | | | | | | X |
| SPSS INC | COM | 78462K102 | 2,658 | 60,212SH | | X | | | | |
| SPX CORP | COM | 784635104 | 300 | 3,420SH | | X | | | | |
| SPX CORP | COM | 784635104 | 18 | 200SH | | | | | | X |
| SAFECO CORP | COM | 786429100 | 439 | 7,051SH | | X | | | | |
| SAFECO CORP | COM | 786429100 | 6 | 99SH | | | | | | X |
| SAFEWAY INC | COM NEW | 786514208 | 364 | 10,705SH | | X | | | | |
| SAFEWAY INC | COM NEW | 786514208 | 17 | 500SH | | | | | | X |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|----------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| ST JUDE MED INC | COM | 790849103 | 5,789 | 139,517SH | | X | | |
| ST JUDE MED INC | COM | 790849103 | 354 | 8,526SH | | | | X |
| ST MARY LD & EXPL CO | COM | 792228108 | 6,755 | 184,475SH | | X | | |
| SAKS INC | COM | 79377W108 | 2,203 | 103,162SH | | X | | |

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| | | | | | | |
|--------------------------|-------------|-----------|--------|-----------|---|---|
| SALESFORCE COM INC | COM | 79466L302 | 1,568 | 36,575SH | X | |
| SANDERSON FARMS INC | COM | 800013104 | 2,401 | 53,338SH | X | |
| SANMINA SCI CORP | COM | 800907107 | 46 | 14,608SH | X | |
| SANOFI AVENTIS | SPON ADR | 80105N105 | 596 | 14,799SH | X | |
| SANOFI AVENTIS | SPON ADR | 80105N105 | 121 | 3,005SH | | X |
| SAP AKTIENGESELLSCHAFT | SPON ADR | 803054204 | 395 | 7,730SH | X | |
| SAP AKTIENGESELLSCHAFT | SPON ADR | 803054204 | 356 | 6,965SH | | X |
| SARA LEE CORP | COM | 803111103 | 4,113 | 236,395SH | X | |
| SARA LEE CORP | COM | 803111103 | 406 | 23,351SH | | X |
| SATYAM COMPUTER SRVCS | ADR | 804098101 | 1,417 | 57,225SH | X | |
| SATYAM COMPUTER SRVCS | ADR | 804098101 | 521 | 21,050SH | | X |
| SAVVIS INC | COM NEW | 805423308 | 2,858 | 57,734SH | X | |
| SCANA CORP NEW | COM | 80589M102 | 183 | 4,789SH | X | |
| SCANA CORP NEW | COM | 80589M102 | 75 | 1,965SH | | X |
| SCHEIN HENRY INC | COM | 806407102 | 195 | 3,655SH | X | |
| SCHEIN HENRY INC | COM | 806407102 | 16 | 300SH | | X |
| SCHERING PLOUGH CORP | COM | 806605101 | 3,907 | 128,350SH | X | |
| SCHERING PLOUGH CORP | COM | 806605101 | 225 | 7,397SH | | X |
| SCHLUMBERGER LTD | COM | 806857108 | 13,335 | 156,999SH | X | |
| SCHLUMBERGER LTD | COM | 806857108 | 2,863 | 33,707SH | | X |
| SCHWAB CHARLES CORP NEW | COM | 808513105 | 1,059 | 51,615SH | X | |
| SCHWAB CHARLES CORP NEW | COM | 808513105 | 75 | 3,659SH | | X |
| SCIELE PHARMA INC | COM | 808627103 | 267 | 11,317SH | X | |
| SCIELE PHARMA INC | COM | 808627103 | 42 | 1,769SH | | X |
| SEALED AIR CORP NEW | COM | 81211K100 | 8,619 | 277,859SH | X | |
| SEALED AIR CORP NEW | COM | 81211K100 | 141 | 4,545SH | | X |
| SEARS HLDGS CORP | COM | 812350106 | 642 | 3,789SH | X | |
| SEARS HLDGS CORP | COM | 812350106 | 31 | 180SH | | X |
| SELECT SECTOR SPDR TR | SBIHLTHCRE | 81369Y209 | 290 | 8,220SH | X | |
| SELECT SECTOR SPDR TR | SBIHLTHCRE | 81369Y209 | 8 | 240SH | | X |
| SELECT SECTOR SPDR TR | SBICONSSTPL | 81369Y308 | 251 | 9,296SH | X | |
| SELECT SECTOR SPDR TR | SBIINT-FINL | 81369Y605 | 215 | 5,938SH | X | |
| SELECT SECTOR SPDR TR | SBIINT-TECH | 81369Y803 | 374 | 14,609SH | X | |
| SELECT SECTOR SPDR TR | SBIINT-TECH | 81369Y803 | 151 | 5,892SH | | X |
| SELECT SECTOR SPDR TR | SBIINT-UTIL | 81369Y886 | 194 | 4,910SH | X | |
| SELECT SECTOR SPDR TR | SBIINT-UTIL | 81369Y886 | 58 | 1,461SH | | X |
| SEMPRA ENERGY | COM | 816851109 | 632 | 10,664SH | X | |
| SEMPRA ENERGY | COM | 816851109 | 173 | 2,926SH | | X |
| SENSIENT TECHNOLOGIES | COM | 81725T100 | 507 | 19,966SH | X | |
| SENSIENT TECHNOLOGIES | COM | 81725T100 | 169 | 6,650SH | | X |
| SERVICEMASTER CO | COM | 81760N109 | 193 | 12,512SH | X | |
| SHERWIN WILLIAMS CO | COM | 824348106 | 1,273 | 19,145SH | X | |
| SHERWIN WILLIAMS CO | COM | 824348106 | 22 | 333SH | | X |
| SHIRE PLC | SPON ADR | 82481R106 | 3,408 | 45,977SH | X | |
| SHIRE PLC | SPON ADR | 82481R106 | 4 | 48SH | | X |
| SIEMENS A G | SPON ADR | 826197501 | 131 | 917SH | X | |
| SIEMENS A G | SPON ADR | 826197501 | 709 | 4,959SH | | X |
| SIGMA ALDRICH CORP | COM | 826552101 | 1,944 | 45,554SH | X | |
| SIGMA ALDRICH CORP | COM | 826552101 | 105 | 2,469SH | | X |
| SILICON MOTION TECHN LGY | SPON ADR | 82706C108 | 3,364 | 135,477SH | X | |
| SIMON PPTY GROUP INC | COM | 828806109 | 5,514 | 59,263SH | X | |
| SIMON PPTY GROUP INC | COM | 828806109 | 1,091 | 11,728SH | | X |
| SINCLAIR BROADCAST GRP | CL A | 829226109 | 188 | 13,250SH | X | |
| SIRENZA MICRODEVICES | COM | 82966T106 | 1,696 | 142,842SH | X | |
| SIRIUS SATELLITE RADIO | COM | 82966U103 | 37 | 12,100SH | X | |
| SIRIUS SATELLITE RADIO | COM | 82966U103 | 9 | 3,000SH | | X |
| SKILLED HEALTHCARE GRP | CL A | 83066R107 | 2,259 | 145,619SH | X | |
| SKYWORKS SOLUTIONS INC | COM | 83088M102 | 108 | 14,728SH | X | |
| SMITH & WESSON HLDG | COM | 831756101 | 5,052 | 301,584SH | X | |
| SMITH A O | COM | 831865209 | 281 | 7,051SH | X | |
| SMITH A O | COM | 831865209 | 259 | 6,500SH | | X |
| SMITH INTL INC | COM | 832110100 | 364 | 6,200SH | X | |

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| | | | | | | | |
|-------------------------|----------|-----------|-------|-----------|---|--|---|
| SMUCKER J M CO | COM NEW | 832696405 | 138 | 2,160SH | X | | |
| SMUCKER J M CO | COM NEW | 832696405 | 419 | 6,588SH | | | X |
| SNAP ON INC | COM | 833034101 | 6,241 | 123,568SH | X | | |
| SNAP ON INC | COM | 833034101 | 520 | 10,300SH | | | X |
| SOLETRON CORP | COM | 834182107 | 102 | 27,740SH | X | | |
| SONOCO PRODS CO | COM | 835495102 | 323 | 7,541SH | X | | |
| SONOCO PRODS CO | COM | 835495102 | 4 | 100SH | | | X |
| SONY CORP | ADR NEW | 835699307 | 2,240 | 43,601SH | X | | |
| SONY CORP | ADR NEW | 835699307 | 90 | 1,750SH | | | X |
| SOUTHERN CO | COM | 842587107 | 8,757 | 255,386SH | X | | |
| SOUTHERN CO | COM | 842587107 | 584 | 17,029SH | | | X |
| SOUTHWEST AIRLS CO | COM | 844741108 | 9,085 | 609,332SH | X | | |
| SOUTHWEST AIRLS CO | COM | 844741108 | 10 | 689SH | | | X |
| SOUTHWESTERN ENERGY CO | COM | 845467109 | 1,436 | 32,280SH | X | | |
| SOVEREIGN BANCORP INC | COM | 845905108 | 579 | 27,400SH | X | | |
| SPECTRA ENERGY CORP | COM | 847560109 | 777 | 29,922SH | X | | |
| SPECTRA ENERGY CORP | COM | 847560109 | 88 | 3,396SH | | | X |
| SPIRIT AEROSYSTEMS | COM CL A | 848574109 | 2,411 | 66,884SH | X | | |
| SPRINT NEXTEL CORP | COM FON | 852061100 | 7,331 | 353,968SH | X | | |
| SPRINT NEXTEL CORP | COM FON | 852061100 | 551 | 26,612SH | | | X |
| STANCORP FINL GROUP INC | COM | 852891100 | 7,958 | 151,632SH | X | | |
| STAPLES INC | COM | 855030102 | 1,923 | 81,020SH | X | | |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| STAPLES INC | COM | 855030102 | 210 | 8,863SH | | | | X |
| STARBUCKS CORP | COM | 855244109 | 788 | 30,023SH | X | | | |
| STARBUCKS CORP | COM | 855244109 | 616 | 23,485SH | | | | X |
| STATE AUTO FINL CORP | COM | 855707105 | 205 | 6,681SH | X | | | |
| STARWOOD HOTELS&RESORTS | COM | 85590A401 | 857 | 12,772SH | X | | | |
| STARWOOD HOTELS&RESORTS | COM | 85590A401 | 30 | 447SH | | | | X |
| STATE STR CORP | COM | 857477103 | 12,629 | 184,629SH | X | | | |
| STATE STR CORP | COM | 857477103 | 24 | 347SH | | | | X |
| STERICYCLE INC | COM | 858912108 | 399 | 8,982SH | X | | | |
| STERICYCLE INC | COM | 858912108 | 51 | 1,138SH | | | | X |
| STILLWATER MNG CO | COM | 86074Q102 | 1,105 | 100,331SH | X | | | |
| STMICROELECTRONICS N V | NY REGISTRY | 861012102 | 994 | 51,775SH | X | | | |
| STMICROELECTRONICS N V | NY REGISTRY | 861012102 | 6 | 330SH | | | | X |
| STORA ENSO CORP | SPONADRREPR | 86210M106 | 1,618 | 86,410SH | X | | | |
| STORA ENSO CORP | SPONADRREPR | 86210M106 | 652 | 34,835SH | | | | X |
| STREETTRACKS SER TR | SPDRS&PMTL | 86330E646 | 431 | 6,896SH | X | | | |
| STRYKER CORP | COM | 863667101 | 11,834 | 187,570SH | X | | | |
| STRYKER CORP | COM | 863667101 | 725 | 11,497SH | | | | X |
| SUN MICROSYSTEMS INC | COM | 866810104 | 202 | 38,479SH | X | | | |

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| | | | | | | | |
|------------------------|-------------|-----------|--------|-----------|--|---|---|
| SUN MICROSYSTEMS INC | COM | 866810104 | 46 | 8,839SH | | | X |
| SUN HEALTHCARE GROUP | COM NEW | 866933401 | 2,912 | 200,965SH | | X | |
| SUN HEALTHCARE GROUP | COM NEW | 866933401 | 9 | 613SH | | | X |
| SUNCOR ENERGY INC | COM | 867229106 | 628 | 6,986SH | | X | |
| SUNCOR ENERGY INC | COM | 867229106 | 462 | 5,136SH | | | X |
| SUNOCO INC | COM | 86764P109 | 1,366 | 17,138SH | | X | |
| SUNOCO INC | COM | 86764P109 | 154 | 1,937SH | | | X |
| SUNTRUST BKS INC | COM | 867914103 | 1,641 | 19,139SH | | X | |
| SUNTRUST BKS INC | COM | 867914103 | 86 | 1,005SH | | | X |
| SUPERIOR ENERGY SVCS | COM | 868157108 | 270 | 6,769SH | | X | |
| SUPERVALU INC | COM | 868536103 | 4,780 | 103,190SH | | X | |
| SUPERVALU INC | COM | 868536103 | 142 | 3,059SH | | | X |
| SWISSCOM AG | SPON ADR | 871013108 | 142 | 4,165SH | | X | |
| SWISSCOM AG | SPON ADR | 871013108 | 637 | 18,685SH | | | X |
| SYCAMORE NETWORKS INC | COM | 871206108 | 90 | 22,375SH | | X | |
| SYMANTEC CORP | COM | 871503108 | 1,857 | 91,926SH | | X | |
| SYMANTEC CORP | COM | 871503108 | 11 | 557SH | | | X |
| SYNGENTA AG | SPON ADR | 87160A100 | 284 | 7,300SH | | X | |
| SYNGENTA AG | SPON ADR | 87160A100 | 13 | 323SH | | | X |
| SYNOPSIS INC | COM | 871607107 | 11,294 | 427,316SH | | X | |
| SYNOVUS FINL CORP | COM | 87161C105 | 520 | 16,932SH | | X | |
| SYNOVUS FINL CORP | COM | 87161C105 | 284 | 9,254SH | | | X |
| SYNTEL INC | COM | 87162H103 | 1,387 | 45,646SH | | X | |
| SYNTROLEUM CORP | COM | 871630109 | 1,170 | 423,934SH | | X | |
| SYSCO CORP | COM | 871829107 | 2,428 | 73,585SH | | X | |
| SYSCO CORP | COM | 871829107 | 1,624 | 49,214SH | | | X |
| TECO ENERGY INC | COM | 872375100 | 1,656 | 96,366SH | | X | |
| TECO ENERGY INC | COM | 872375100 | 10 | 600SH | | | X |
| THQ INC | COM NEW | 872443403 | 2,402 | 78,715SH | | X | |
| TJX COS INC NEW | COM | 872540109 | 3,092 | 112,446SH | | X | |
| TJX COS INC NEW | COM | 872540109 | 75 | 2,740SH | | | X |
| TXCO RES INC | COM | 87311M102 | 1,520 | 147,899SH | | X | |
| TXU CORP | COM | 873168108 | 949 | 14,108SH | | X | |
| TXU CORP | COM | 873168108 | 44 | 658SH | | | X |
| TAIWAN SEMICONDUCTOR | SPON ADR | 874039100 | 113 | 10,124SH | | X | |
| TALEO CORP | CL A | 87424N104 | 3,523 | 156,357SH | | X | |
| TALISMAN ENERGY INC | COM | 87425E103 | 346 | 17,920SH | | X | |
| TALISMAN ENERGY INC | COM | 87425E103 | 129 | 6,680SH | | | X |
| TARGET CORP | COM | 87612E106 | 8,764 | 137,805SH | | X | |
| TARGET CORP | COM | 87612E106 | 3,678 | 57,823SH | | | X |
| TEAM FINANCIAL INC | COM | 87815X109 | 264 | 17,000SH | | X | |
| TECHNE CORP | COM | 878377100 | 97 | 1,689SH | | X | |
| TECHNE CORP | COM | 878377100 | 286 | 5,000SH | | | X |
| TECHNIP NEW | SPON ADR | 878546209 | 295 | 3,567SH | | | X |
| TEKELEC | COM | 879101103 | 236 | 16,400SH | | X | |
| TELECOM ITALIA S P A | SPONADRSVGS | 87927Y201 | 725 | 32,935SH | | | X |
| TELECOM CORP NEW ZLAND | SPON ADR | 879278208 | 227 | 8,132SH | | X | |
| TELECOM CORP NEW ZLAND | SPON ADR | 879278208 | 8 | 300SH | | | X |
| TELEFLEX INC | COM | 879369106 | 149 | 1,824SH | | X | |
| TELEFLEX INC | COM | 879369106 | 71 | 870SH | | | X |
| TELEFONICA S A | SPON ADR | 879382208 | 417 | 6,244SH | | X | |
| TELEFONICA S A | SPON ADR | 879382208 | 7 | 111SH | | | X |
| TELEFONOS DE MEXICO | SPON ADR L | 879403780 | 400 | 10,558SH | | X | |
| TELLABS INC | COM | 879664100 | 395 | 36,725SH | | X | |
| TELLABS INC | COM | 879664100 | 19 | 1,800SH | | | X |
| TEMPLE INLAND INC | COM | 879868107 | 649 | 10,543SH | | X | |
| TEMPLE INLAND INC | COM | 879868107 | 7 | 110SH | | | X |
| TELETECH HOLDINGS INC | COM | 879939106 | 3,633 | 111,891SH | | X | |
| TENARIS S A | SPON ADR | 88031M109 | 308 | 6,290SH | | X | |
| TENARIS S A | SPON ADR | 88031M109 | 67 | 1,361SH | | | X |
| TENNECO INC | COM | 880349105 | 2,121 | 60,527SH | | X | |
| TENNECO INC | COM | 880349105 | 18 | 520SH | | | X |

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| | | | | | | |
|-----------------------|-----|-----------|--------|-----------|---|---|
| TEVA PHARMACEUTICAL | ADR | 881624209 | 3,813 | 92,436SH | X | |
| TEVA PHARMACEUTICAL | ADR | 881624209 | 615 | 14,911SH | | X |
| TEXAS INSTRS INC | COM | 882508104 | 7,908 | 210,160SH | X | |
| TEXAS INSTRS INC | COM | 882508104 | 1,040 | 27,642SH | | X |
| TEXTRON INC | COM | 883203101 | 352 | 3,198SH | X | |
| TEXTRON INC | COM | 883203101 | 116 | 1,051SH | | X |
| THERMO FISHER SCNTFIC | COM | 883556102 | 16,937 | 327,468SH | X | |

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| THERMO FISHER SCNTFIC | COM | 883556102 | 174 | 3,360SH | | | | X |
| THIRD WAVE TECHNOLOGIES | COM | 88428W108 | 18 | 3,000SH | | X | | |
| THIRD WAVE TECHNOLOGIES | COM | 88428W108 | 117 | 20,000SH | | | | X |
| 3M CO | COM | 88579Y101 | 23,173 | 267,002SH | | X | | |
| 3M CO | COM | 88579Y101 | 5,746 | 66,211SH | | | | X |
| TIME WARNER INC | COM | 887317105 | 16,089 | 764,691SH | | X | | |
| TIME WARNER INC | COM | 887317105 | 1,406 | 66,819SH | | | | X |
| TITANIUM METALS CORP | COM NEW | 888339207 | 217 | 6,800SH | | X | | |
| TOMKINS PLC | SPON ADR | 890030208 | 2 | 100SH | | X | | |
| TOMKINS PLC | SPON ADR | 890030208 | 371 | 17,842SH | | | | X |
| TORCHMARK CORP | COM | 891027104 | 653 | 9,747SH | | X | | |
| TORCHMARK CORP | COM | 891027104 | 18 | 271SH | | | | X |
| TOTAL S A | SPON ADR | 89151E109 | 221 | 2,729SH | | X | | |
| TOTAL S A | SPON ADR | 89151E109 | 582 | 7,186SH | | | | X |
| TOWER GROUP INC | COM | 891777104 | 1,506 | 47,200SH | | X | | |
| TOWER GROUP INC | COM | 891777104 | 7 | 230SH | | | | X |
| TOTAL SYS SVCS INC | COM | 891906109 | 207 | 7,000SH | | | | X |
| TOYOTA MOTOR CORP | SPON ADR | 892331307 | 151 | 1,202SH | | X | | |
| TOYOTA MOTOR CORP | SPON ADR | 892331307 | 192 | 1,527SH | | | | X |
| TRANSACT TECHNOLOGIES | COM | 892918103 | 299 | 50,000SH | | X | | |
| TRAVELERS COMPANIES INC | COM | 89417E109 | 12,365 | 231,130SH | | X | | |
| TRAVELERS COMPANIES INC | COM | 89417E109 | 151 | 2,827SH | | | | X |
| TRIBUNE CO NEW | COM | 896047107 | 255 | 8,678SH | | X | | |
| TRIBUNE CO NEW | COM | 896047107 | 5 | 155SH | | | | X |
| TUPPERWARE BRANDS CORP | COM | 899896104 | 208 | 7,231SH | | X | | |
| TUPPERWARE BRANDS CORP | COM | 899896104 | 343 | 11,946SH | | | | X |
| TWEEN BRANDS INC | COM | 901166108 | 309 | 6,930SH | | X | | |
| TWIN DISC INC | COM | 901476101 | 428 | 5,946SH | | | | X |
| TYCO INTL LTD NEW | COM | 902124106 | 4,013 | 118,761SH | | X | | |
| TYCO INTL LTD NEW | COM | 902124106 | 378 | 11,186SH | | | | X |
| TYSON FOODS INC | CL A | 902494103 | 1,300 | 56,406SH | | X | | |
| TYSON FOODS INC | CL A | 902494103 | 48 | 2,091SH | | | | X |
| UGI CORP NEW | COM | 902681105 | 228 | 8,355SH | | X | | |
| UST INC | COM | 902911106 | 8,502 | 158,300SH | | X | | |

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|-------------------------|--------------|-----------|--------|-----------|--|---|---|
| UST INC | COM | 902911106 | 170 | 3,158SH | | | X |
| US BANCORP DEL | COM NEW | 902973304 | 23,873 | 724,525SH | | X | |
| US BANCORP DEL | COM NEW | 902973304 | 3,979 | 120,751SH | | | X |
| UAP HLDG CORP | COM | 903441103 | 7,995 | 265,270SH | | X | |
| ULTRA PETROLEUM CORP | COM | 903914109 | 2,465 | 44,618SH | | X | |
| ULTRA PETROLEUM CORP | COM | 903914109 | 70 | 1,275SH | | | X |
| UNILEVER PLC | SPON ADR | 904767704 | 210 | 6,501SH | | X | |
| UNILEVER PLC | SPON ADR | 904767704 | 112 | 3,480SH | | | X |
| UNILEVER N V | N Y SHS NEW | 904784709 | 390 | 12,585SH | | X | |
| UNILEVER N V | N Y SHS NEW | 904784709 | 112 | 3,605SH | | | X |
| UNION PAC CORP | COM | 907818108 | 2,437 | 21,164SH | | X | |
| UNION PAC CORP | COM | 907818108 | 617 | 5,360SH | | | X |
| UNITED PARCEL SERVICE | CL B | 911312106 | 9,143 | 125,242SH | | X | |
| UNITED PARCEL SERVICE | CL B | 911312106 | 748 | 10,243SH | | | X |
| UNITED STATES STL CORP | COM | 912909108 | 234 | 2,152SH | | X | |
| UNITED STATES STL CORP | COM | 912909108 | 142 | 1,305SH | | | X |
| UNITED TECHNOLOGIES | COM | 913017109 | 8,309 | 117,145SH | | X | |
| UNITED TECHNOLOGIES | COM | 913017109 | 3,830 | 53,998SH | | | X |
| UNITED UTILS PLC | SPON ADR | 91311Q105 | 5 | 188SH | | X | |
| UNITED UTILS PLC | SPON ADR | 91311Q105 | 425 | 15,076SH | | | X |
| UNITEDHEALTH GROUP INC | COM | 91324P102 | 5,105 | 99,832SH | | X | |
| UNITEDHEALTH GROUP INC | COM | 91324P102 | 1,159 | 22,665SH | | | X |
| UNIVERSAL COMPRESSION | COM | 913431102 | 238 | 3,290SH | | X | |
| UNIVERSAL HLTH SVCS INC | CL B | 913903100 | 346 | 5,625SH | | X | |
| UNIVERSAL HLTH SVCS INC | CL B | 913903100 | 20 | 323SH | | | X |
| V F CORP | COM | 918204108 | 4,628 | 50,531SH | | X | |
| V F CORP | COM | 918204108 | 55 | 604SH | | | X |
| VAIL RESORTS INC | COM | 91879Q109 | 4,536 | 74,521SH | | X | |
| VALERO ENERGY CORP NEW | COM | 91913Y100 | 2,832 | 38,337SH | | X | |
| VALERO ENERGY CORP NEW | COM | 91913Y100 | 167 | 2,258SH | | | X |
| VALSPAR CORP | COM | 920355104 | 10,915 | 384,180SH | | X | |
| VAN KAMPEN TR INVT GRD | COM | 920929106 | 454 | 30,084SH | | X | |
| VAN KAMPEN TR INVT GRD | COM | 920929106 | 498 | 33,000SH | | | X |
| VAN KAMPEN MUN OPRTY TR | COM | 920935103 | 355 | 22,992SH | | X | |
| VAN KAMPEN MUN OPRTY TR | COM | 920935103 | 509 | 33,000SH | | | X |
| VANGUARD BD INDEX FD | SHT TRM BND | 921937827 | 1,949 | 26,000SH | | X | |
| VANGUARD WHITEHALL FDS | HIGHDIVYLD | 921946406 | 548 | 10,167SH | | X | |
| VANGUARD WHITEHALL FDS | HIGHDIVYLD | 921946406 | 31 | 578SH | | | X |
| VANGUARD WORLD FDS | HLTHCRE ETF | 92204A504 | 538 | 8,921SH | | X | |
| VANGUARD WORLD FDS | UTLTES ETF | 92204A876 | 245 | 2,974SH | | X | |
| VANGUARD INTL EQTY IDX | EMR MKT ETF | 922042858 | 739 | 8,093SH | | X | |
| VANGUARD INTL EQTY IDX | EMR MKT ETF | 922042858 | 959 | 10,500SH | | | X |
| VANGUARD INTL EQTY IDX | EUROPEAN ETF | 922042874 | 4,498 | 58,928SH | | X | |
| VANGUARD INTL EQTY IDX | EUROPEAN ETF | 922042874 | 204 | 2,675SH | | | X |
| VASCO DATA SEC INTL INC | COM | 92230Y104 | 2,554 | 112,206SH | | X | |
| VECTREN CORP | COM | 92240G101 | 380 | 14,106SH | | X | |
| VECTREN CORP | COM | 92240G101 | 148 | 5,480SH | | | X |
| VANGUARD INDEX FDS | SMCPVAL ETF | 922908611 | 5,624 | 75,160SH | | X | |
| VANGUARD INDEX FDS | EXTNDMKTETF | 922908652 | 444 | 3,964SH | | X | |
| VANGUARD INDEX FDS | EXTNDMKTETF | 922908652 | 91 | 814SH | | | X |
| VANGUARD INDEX FDS | VALUE ETF | 922908744 | 1,752 | 24,366SH | | X | |
| VANGUARD INDEX FDS | STK MRK ETF | 922908769 | 1,463 | 9,791SH | | X | |
| VANGUARD INDEX FDS | STK MRK ETF | 922908769 | 530 | 3,550SH | | | X |
| VEOLIA ENVIRONNEMENT | SPON ADR | 92334N103 | 228 | 2,910SH | | X | |

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MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------------|-----------|------------------------------|--------------------|---------------------|--------------------------|------------|-------------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| VERIFONE HLDGS INC | COM | 92342Y109 | 3,764 | 106,780SH | | X | | |
| VERIZON COMMUNICATIONS | COM | 92343V104 | 41,076 | 997,727SH | | X | | |
| VERIZON COMMUNICATIONS | COM | 92343V104 | 3,787 | 91,990SH | | | | X |
| VERTEX PHARMACEUTICALS | COM | 92532F100 | 763 | 26,712SH | | X | | |
| VERTEX PHARMACEUTICALS | COM | 92532F100 | 9 | 305SH | | | | X |
| VIACOM INC NEW | CL B | 92553P201 | 887 | 21,307SH | | X | | |
| VIACOM INC NEW | CL B | 92553P201 | 229 | 5,499SH | | | | X |
| VISHAY INTERTECHNOLOGY | COM | 928298108 | 230 | 14,548SH | | X | | |
| VODAFONE GROUP PLC NEW | SPONS ADR | 92857W209 | 884 | 26,274SH | | X | | |
| VODAFONE GROUP PLC NEW | SPONS ADR | 92857W209 | 938 | 27,879SH | | | | X |
| VOLCOM INC | COM | 92864N101 | 3,591 | 71,638SH | | X | | |
| VOLCANO CORPORATION | COM | 928645100 | 2,055 | 101,696SH | | X | | |
| VORNADO RLTY TR | SH BEN INT | 929042109 | 1,511 | 13,759SH | | X | | |
| VORNADO RLTY TR | SH BEN INT | 929042109 | 411 | 3,745SH | | | | X |
| VULCAN MATLS CO | COM | 929160109 | 389 | 3,397SH | | X | | |
| VULCAN MATLS CO | COM | 929160109 | 64 | 558SH | | | | X |
| WACHOVIA CORP NEW | COM | 929903102 | 18,225 | 355,613SH | | X | | |
| WACHOVIA CORP NEW | COM | 929903102 | 1,791 | 34,944SH | | | | X |
| WACOAL HOLDINGS CORP | ADR | 930004205 | 285 | 4,671SH | | | | X |
| WAL MART STORES INC | COM | 931142103 | 20,169 | 419,222SH | | X | | |
| WAL MART STORES INC | COM | 931142103 | 3,822 | 79,451SH | | | | X |
| WALGREEN CO | COM | 931422109 | 24,381 | 559,964SH | | X | | |
| WALGREEN CO | COM | 931422109 | 8,891 | 204,211SH | | | | X |
| WASHINGTON MUT INC | COM | 939322103 | 15,151 | 355,322SH | | X | | |
| WASHINGTON MUT INC | COM | 939322103 | 381 | 8,937SH | | | | X |
| WASTE MGMT INC DEL | COM | 94106L109 | 15,157 | 388,139SH | | X | | |
| WASTE MGMT INC DEL | COM | 94106L109 | 1,351 | 34,602SH | | | | X |
| WATERS CORP | COM | 941848103 | 1,265 | 21,310SH | | X | | |
| WATERS CORP | COM | 941848103 | 11 | 189SH | | | | X |
| WAUSAU PAPER CORP | COM | 943315101 | 1,512 | 112,863SH | | X | | |
| WAUSAU PAPER CORP | COM | 943315101 | 1,484 | 110,766SH | | | | X |
| WAUWATOSA HLDGS INC | COM | 94348P108 | 12,477 | 754,374SH | | X | | |
| WEINGARTEN RLTY INVS | SH BEN INT | 948741103 | 108 | 2,634SH | | X | | |
| WEINGARTEN RLTY INVS | SH BEN INT | 948741103 | 645 | 15,699SH | | | | X |
| WELLPOINT INC | COM | 94973V107 | 10,673 | 133,696SH | | X | | |
| WELLPOINT INC | COM | 94973V107 | 333 | 4,174SH | | | | X |
| WELLS FARGO & CO NEW | COM | 949746101 | 30,793 | 875,557SH | | X | | |
| WELLS FARGO & CO NEW | COM | 949746101 | 4,039 | 114,856SH | | | | X |
| WENDYS INTL INC | COM | 950590109 | 291 | 7,910SH | | X | | |
| WENDYS INTL INC | COM | 950590109 | 11 | 291SH | | | | X |
| WESTAR ENERGY INC | COM | 95709T100 | 230 | 9,463SH | | X | | |
| WESTAR ENERGY INC | COM | 95709T100 | 17 | 704SH | | | | X |
| WESTERN ASSET GBL HIGH | COM | 95766B109 | 265 | 20,000SH | | X | | |
| WESTERN ASST/CLAY US TR | COM | 95766R104 | 191 | 16,592SH | | X | | |
| WESTERN REFNG INC | COM | 959319104 | 407 | 7,040SH | | X | | |
| WESTERN UN CO | COM | 959802109 | 1,014 | 48,661SH | | X | | |
| WESTERN UN CO | COM | 959802109 | 97 | 4,641SH | | | | X |
| WET SEAL INC | CL A | 961840105 | 2,892 | 481,230SH | | X | | |
| WEYCO GROUP INC | COM | 962149100 | 145 | 5,400SH | | X | | |

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| | | | | | | | | | | |
|-----------------------|------------|-----------|--------|-----------|--|--|---|--|--|---|
| WEYCO GROUP INC | COM | 962149100 | 560 | 20,798SH | | | | | | X |
| WEYERHAEUSER CO | COM | 962166104 | 13,120 | 166,220SH | | | X | | | |
| WEYERHAEUSER CO | COM | 962166104 | 1,702 | 21,565SH | | | | | | X |
| WHIRLPOOL CORP | COM | 963320106 | 6,151 | 55,316SH | | | X | | | |
| WHIRLPOOL CORP | COM | 963320106 | 228 | 2,051SH | | | | | | X |
| WILLIAMS COS INC DEL | COM | 969457100 | 846 | 26,757SH | | | X | | | |
| WILLIAMS COS INC DEL | COM | 969457100 | 186 | 5,889SH | | | | | | X |
| WINDSTREAM CORP | COM | 97381W104 | 11,277 | 764,052SH | | | X | | | |
| WINDSTREAM CORP | COM | 97381W104 | 221 | 14,959SH | | | | | | X |
| WISCONSIN ENERGY CORP | COM | 976657106 | 5,942 | 134,344SH | | | X | | | |
| WISCONSIN ENERGY CORP | COM | 976657106 | 1,499 | 33,884SH | | | | | | X |
| WISDOMTREE TRUST | LRGECF DVD | 97717W307 | 337 | 5,584SH | | | X | | | |
| WOODWARD GOVERNOR CO | COM | 980745103 | 756 | 14,089SH | | | X | | | |
| WOODWARD GOVERNOR CO | COM | 980745103 | 16 | 300SH | | | | | | X |
| WRIGHT MED GROUP INC | COM | 98235T107 | 2,900 | 120,221SH | | | X | | | |
| WRIGHT MED GROUP INC | COM | 98235T107 | 27 | 1,120SH | | | | | | X |
| WRIGLEY WM JR CO | COM | 982526105 | 425 | 7,677SH | | | X | | | |
| WRIGLEY WM JR CO | COM | 982526105 | 1,687 | 30,500SH | | | | | | X |
| WYETH | COM | 983024100 | 11,203 | 195,370SH | | | X | | | |
| WYETH | COM | 983024100 | 3,336 | 58,174SH | | | | | | X |
| XTO ENERGY INC | COM | 98385X106 | 3,086 | 51,341SH | | | X | | | |
| XTO ENERGY INC | COM | 98385X106 | 515 | 8,562SH | | | | | | X |
| XCEL ENERGY INC | COM | 98389B100 | 2,527 | 123,448SH | | | X | | | |
| XCEL ENERGY INC | COM | 98389B100 | 165 | 8,063SH | | | | | | X |
| XILINX INC | COM | 983919101 | 342 | 12,785SH | | | X | | | |
| XILINX INC | COM | 983919101 | 5 | 178SH | | | | | | X |
| XEROX CORP | COM | 984121103 | 10,966 | 593,383SH | | | X | | | |
| XEROX CORP | COM | 984121103 | 32 | 1,726SH | | | | | | X |
| YRC WORLDWIDE INC | COM | 984249102 | 198 | 5,385SH | | | X | | | |
| YRC WORLDWIDE INC | COM | 984249102 | 4 | 98SH | | | | | | X |
| YAHOO INC | COM | 984332106 | 1,573 | 57,989SH | | | X | | | |
| YAHOO INC | COM | 984332106 | 279 | 10,290SH | | | | | | X |
| YAMANA GOLD INC | COM | 98462Y100 | 121 | 10,850SH | | | | | | X |
| YUM BRANDS INC | COM | 988498101 | 1,195 | 36,530SH | | | X | | | |
| YUM BRANDS INC | COM | 988498101 | 234 | 7,158SH | | | | | | X |
| ZIMMER HLDGS INC | COM | 98956P102 | 1,979 | 23,314SH | | | X | | | |
| ZIMMER HLDGS INC | COM | 98956P102 | 488 | 5,745SH | | | | | | X |
| ZIONS BANCORPORATION | COM | 989701107 | 9,381 | 121,974SH | | | X | | | |
| ZIONS BANCORPORATION | COM | 989701107 | 61 | 790SH | | | | | | X |
| ZOLTEK COS INC | COM | 98975W104 | 1,127 | 27,143SH | | | X | | | |
| ZOLTEK COS INC | COM | 98975W104 | 11,070 | 266,553SH | | | | | | X |

REPORT PTR289 9W

M&I INVESTMENT MANAGEMENT CORP.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|----------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| XL CAP LTD | CL A | G98255105 | 233 | 2,760SH | | X | | |
| AT&T INC | COM | 00206R102 | 468 | 11,272SH | | X | | |
| ABBOTT LABS | COM | 002824100 | 267 | 4,995SH | | X | | |

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| | | | | | |
|-------------------------|-------------|-----------|-------|----------|---|
| ALTRIA GROUP INC | COM | 02209S103 | 227 | 3,230SH | X |
| AMEREN CORP | COM | 023608102 | 419 | 8,550SH | X |
| AMERICAN INTL GROUP INC | COM | 026874107 | 269 | 3,840SH | X |
| APACHE CORP | COM | 037411105 | 227 | 2,783SH | X |
| APARTMNT INVT & MGMT CO | CL A | 03748R101 | 298 | 5,915SH | X |
| APPLIED MATLS INC | COM | 038222105 | 292 | 14,690SH | X |
| ARCHSTONE SMITH TR | COM | 039583109 | 204 | 3,450SH | X |
| BANK OF AMERICA CORP | COM | 060505104 | 532 | 10,880SH | X |
| BOEING CO | COM | 097023105 | 290 | 3,020SH | X |
| BRISTOL MYERS SQUIBB CO | COM | 110122108 | 484 | 15,325SH | X |
| CHEVRON CORP NEW | COM | 166764100 | 1,058 | 12,555SH | X |
| CISCO SYS INC | COM | 17275R102 | 480 | 17,238SH | X |
| CITIGROUP INC | COM | 172967101 | 867 | 16,905SH | X |
| CITIZENS COMMUNICATIONS | COM | 17453B101 | 413 | 27,055SH | X |
| COCA COLA CO | COM | 191216100 | 520 | 9,950SH | X |
| COMCAST CORP NEW | CL A | 20030N101 | 268 | 9,530SH | X |
| COMERICA INC | COM | 200340107 | 206 | 3,460SH | X |
| CONOCOPHILLIPS | COM | 20825C104 | 560 | 7,140SH | X |
| CONSOLIDATED EDISON INC | COM | 209115104 | 526 | 11,650SH | X |
| DTE ENERGY CO | COM | 233331107 | 242 | 5,015SH | X |
| DELL INC | COM | 24702R101 | 419 | 14,690SH | X |
| DONNELLEY R R & SONS CO | COM | 257867101 | 268 | 6,160SH | X |
| DOW CHEM CO | COM | 260543103 | 463 | 10,475SH | X |
| EQUITY RESIDENTIAL | SH BEN INT | 29476L107 | 286 | 6,260SH | X |
| EXXON MOBIL CORP | COM | 30231G102 | 484 | 5,770SH | X |
| FIFTH THIRD BANCORP | COM | 316773100 | 202 | 5,085SH | X |
| FIRST HORIZON NATL CORP | COM | 320517105 | 223 | 5,730SH | X |
| GENERAL ELECTRIC CO | COM | 369604103 | 1,109 | 28,980SH | X |
| HEINZ H J CO | COM | 423074103 | 253 | 5,325SH | X |
| INT'L BUSINESS MACHS | COM | 459200101 | 256 | 2,430SH | X |
| ISHARES TR | MSCIEAFEIDX | 464287465 | 251 | 3,109SH | X |
| ISHARES TR | RUSLMCPGR | 464287481 | 4,960 | 43,550SH | X |
| ISHARES TR | RUSL2000GR | 464287648 | 6,404 | 74,600SH | X |
| JOHNSON & JOHNSON | COM | 478160104 | 330 | 5,350SH | X |
| JOHNSON CTLS INC | COM | 478366107 | 332 | 2,865SH | X |
| KELLOGG CO | COM | 487836108 | 261 | 5,045SH | X |
| LAUDER ESTEE COS INC | CL A | 518439104 | 208 | 4,560SH | X |
| LILLY ELI & CO | COM | 532457108 | 351 | 6,285SH | X |
| LOCKHEED MARTIN CORP | COM | 539830109 | 289 | 3,070SH | X |
| MASCO CORP | COM | 574599106 | 205 | 7,190SH | X |
| MERCK & CO INC | COM | 589331107 | 293 | 5,890SH | X |
| MICROSOFT CORP | COM | 594918104 | 429 | 14,541SH | X |
| NATIONAL CITY CORP | COM | 635405103 | 409 | 12,270SH | X |
| OCULUS INNOVTV SCIENCES | COM | 67575P108 | 194 | 23,750SH | X |
| PFIZER INC | COM | 717081103 | 650 | 25,415SH | X |
| PITNEY BOWES INC | COM | 724479100 | 271 | 5,780SH | X |
| PLUM CREEK TIMBER CO | COM | 729251108 | 436 | 10,460SH | X |
| PROCTER & GAMBLE CO | COM | 742718109 | 285 | 4,660SH | X |
| PROGRESS ENERGY INC | COM | 743263105 | 556 | 12,200SH | X |
| PROGRESSIVE CORP OHIO | COM | 743315103 | 353 | 14,780SH | X |
| QUALCOMM INC | COM | 747525103 | 219 | 5,040SH | X |
| SANMINA SCI CORP COM | COM | 800907107 | 58 | 18,455SH | X |
| SIMON PPTY GROUP INC | COM | 828806109 | 214 | 2,295SH | X |
| SOLECTRON CORP COM | COM | 834182107 | 71 | 19,380SH | X |
| SOUTHERN CO | COM | 842587107 | 348 | 10,145SH | X |
| TIME WARNER INC | COM | 887317105 | 316 | 15,010SH | X |
| US BANCORP DEL | COM NEW | 902973304 | 515 | 15,640SH | X |
| VERIZON COMMUNICATIONS | COM | 92343V104 | 641 | 15,570SH | X |
| WACHOVIA CORP NEW | COM | 929903102 | 508 | 9,915SH | X |
| WAL MART STORES INC | COM | 931142103 | 200 | 4,160SH | X |
| WASHINGTON MUT INC | COM | 939322103 | 527 | 12,370SH | X |
| WEYERHAEUSER CO | COM | 962166104 | 373 | 4,720SH | X |

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WINDSTREAM CORP COM 97381W104 363 24,560SH X

REPORT PTR289 9N

NORTH STAR TRUST COMPANY
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2007

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

| NAME OF ISSUER | TITLE OF CLASS | CUSIP | MARKET VALUE (X\$1000) | SHRS OR PRN AMT | SH/ PUT/ CALL | INVESTMENT DISCRETION | | |
|-------------------------|----------------|-----------|------------------------|-----------------|---------------|-----------------------|---------|----------|
| | | | | | | SOLE (A) | SHR (B) | OTHR (C) |
| Aflac Inc | Equity | 001055102 | 915 | 17,800SH | | 15,600 | 2,200 | 0 |
| AT&T Inc | Equity | 00206R102 | 2,788 | 67,179SH | | 52,428 | 14,751 | 0 |
| Abbott Laboratories | Equity | 002824100 | 979 | 18,275SH | | 16,275 | 2,000 | 0 |
| Alliant Energy Corp | Equity | 018802108 | 973 | 25,050SH | | 19,600 | 5,450 | 0 |
| American Express Co | Equity | 025816109 | 323 | 5,284SH | | 5,014 | 270 | 0 |
| Amgen Inc | Equity | 031162100 | 953 | 17,240SH | | 15,200 | 2,040 | 0 |
| Anheuser Busch Cos Inc | Equity | 035229103 | 1,134 | 21,750SH | | 19,400 | 2,350 | 0 |
| Apache Corp | Equity | 037411105 | 1,326 | 16,250SH | | 13,450 | 2,800 | 0 |
| BP PLC ADR | Equity | 055622104 | 1,377 | 19,086SH | | 16,098 | 2,988 | 0 |
| Bankamerica Corp | Equity | 060505104 | 1,394 | 28,511SH | | 24,937 | 3,574 | 0 |
| Baxter Intrntional Inc | Equity | 071813109 | 207 | 3,667SH | | 3,075 | 592 | 0 |
| Bemis Company | Equity | 081437105 | 451 | 13,600SH | | 10,700 | 2,900 | 0 |
| BHP Billiton Ltd ADR | Equity | 088606108 | 2,309 | 38,650SH | | 35,000 | 3,650 | 0 |
| Bristol Myers Squibb Co | Equity | 110122108 | 1,192 | 37,765SH | | 33,265 | 4,500 | 0 |
| Chevron Corp | Equity | 166764100 | 596 | 7,079SH | | 5,251 | 1,828 | 0 |
| Cisco Systems Inc | Equity | 17275R102 | 1,537 | 55,190SH | | 51,090 | 4,100 | 0 |
| Coca Cola Co | Equity | 191216100 | 1,149 | 21,974SH | | 18,724 | 3,250 | 0 |
| ConocoPhilips | Equity | 20825C104 | 2,388 | 30,416SH | | 26,998 | 3,418 | 0 |
| Danaher Corp | Equity | 235851102 | 1,498 | 19,845SH | | 17,320 | 2,525 | 0 |
| DENTSPLY Intrntionl Inc | Equity | 249030107 | 879 | 22,975SH | | 21,025 | 1,950 | 0 |
| duPont EI de Nemours&Co | Equity | 263534109 | 764 | 15,020SH | | 11,570 | 3,450 | 0 |
| Duke Energy Hldng Corp | Equity | 26441C105 | 288 | 15,738SH | | 14,025 | 1,713 | 0 |
| Emerson Electric Co | Equity | 291011104 | 1,544 | 32,985SH | | 27,925 | 5,060 | 0 |
| Exelon Corp | Equity | 30161N101 | 830 | 11,432SH | | 8,206 | 3,226 | 0 |
| Exxon Mobil Corp | Equity | 30231G102 | 3,017 | 35,970SH | | 29,695 | 6,275 | 0 |
| General Electric Co | Equity | 369604103 | 2,293 | 59,905SH | | 49,610 | 10,295 | 0 |
| Gilead Sciences Inc | Equity | 375558103 | 1,616 | 41,650SH | | 36,600 | 5,050 | 0 |
| Granite Constrction Inc | Equity | 387328107 | 587 | 9,150SH | | 7,900 | 1,250 | 0 |
| Hewlett-Packard Co | Equity | 428236103 | 2,608 | 58,456SH | | 51,500 | 6,956 | 0 |
| Home Depot Inc | Equity | 437076102 | 236 | 6,000SH | | 4,600 | 1,400 | 0 |
| Illinois Tool Works Inc | Equity | 452308109 | 361 | 6,660SH | | 5,740 | 920 | 0 |
| IBM Corp | Equity | 459200101 | 376 | 3,570SH | | 2,195 | 1,375 | 0 |
| JP Morgan Chase & Co | Equity | 46625H100 | 217 | 4,484SH | | 4,484 | 0 | 0 |
| Johnson & Johnson | Equity | 478160104 | 994 | 16,127SH | | 12,477 | 3,650 | 0 |
| Kellogg Company | Equity | 487836108 | 2,164 | 41,790SH | | 37,290 | 4,500 | 0 |
| Kimberly-Clark Corp | Equity | 494368103 | 911 | 13,625SH | | 10,775 | 2,850 | 0 |
| Kohl's Corp | Equity | 500255104 | 359 | 5,050SH | | 4,100 | 950 | 0 |
| L-3 Commuications Hldgs | Equity | 502424104 | 2,486 | 25,525SH | | 22,875 | 2,650 | 0 |
| Lincoln National Corp | Equity | 534187109 | 285 | 4,022SH | | 4,022 | 0 | 0 |
| Lockheed Martin Corp | Equity | 539830109 | 258 | 2,736SH | | 1,750 | 986 | 0 |
| Lubrizol Corp | Equity | 549271104 | 888 | 13,750SH | | 11,450 | 2,300 | 0 |

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| | | | | | | | |
|-------------------------|---------|-----------|--------|-----------|---------|-------|---|
| ManuLife Financial Corp | Equity | 56501R106 | 278 | 7,448SH | 7,448 | 0 | 0 |
| Marshall & Ilsley Corp | Equity | 571834100 | 413 | 8,666SH | 8,666 | 0 | 0 |
| McGrath RentCorp | Equity | 580589109 | 20,819 | 617,949SH | 617,949 | 0 | 0 |
| Medtronic Inc | Equity | 585055106 | 1,383 | 26,670SH | 21,045 | 5,625 | 0 |
| Merck & Co Inc | Equity | 589331107 | 1,220 | 24,500SH | 20,400 | 4,100 | 0 |
| Microsoft Corp | Equity | 594918104 | 357 | 12,100SH | 11,500 | 600 | 0 |
| Midwest Banc Hldngs Inc | Equity | 598251106 | 524 | 36,117SH | 36,117 | 0 | 0 |
| Morgan Stanley | Equity | 617446448 | 648 | 7,724SH | 7,374 | 350 | 0 |
| Newell Rubbermaid Inc | Equity | 651229106 | 1,448 | 49,200SH | 44,450 | 4,750 | 0 |
| Newmont Mining Corp | Equity | 651639106 | 498 | 12,750SH | 9,500 | 3,250 | 0 |
| Omnicom Group Inc | Equity | 681919106 | 934 | 17,650SH | 15,900 | 1,750 | 0 |
| Pepsico Co | Equity | 713448108 | 2,025 | 31,222SH | 25,587 | 5,635 | 0 |
| Pfizer Inc | Equity | 717081103 | 618 | 24,168SH | 21,938 | 2,230 | 0 |
| Procter & Gamble Co | Equity | 742718109 | 1,634 | 26,707SH | 22,180 | 4,527 | 0 |
| Prudential FinancI Inc | Equity | 744320102 | 645 | 6,633SH | 4,372 | 2,261 | 0 |
| Royal Dutch Shell ADR | CLASS A | 780259206 | 231 | 2,850SH | 2,850 | 0 | 0 |
| Safeway Inc | Equity | 786514208 | 1,299 | 38,175SH | 34,425 | 3,750 | 0 |
| Schering Plough Corp | Equity | 806605101 | 479 | 15,750SH | 14,550 | 1,200 | 0 |
| Schlumberger Ltd | Equity | 806857108 | 2,669 | 31,425SH | 28,325 | 3,100 | 0 |
| Snap-On Inc | Equity | 833034101 | 795 | 15,731SH | 14,256 | 1,475 | 0 |
| Sonoco Products Company | Equity | 835495102 | 787 | 18,390SH | 15,640 | 2,750 | 0 |
| Stericycle Inc | Equity | 858912108 | 441 | 9,925SH | 9,225 | 700 | 0 |
| Stryker Corp | Equity | 863667101 | 1,438 | 22,800SH | 20,700 | 2,100 | 0 |
| Superior Bancorp | Equity | 86806M106 | 4,097 | 400,498SH | 400,498 | 0 | 0 |
| Target Corp | Equity | 87612E106 | 952 | 14,965SH | 13,265 | 1,700 | 0 |
| 3M Company | Equity | 88579Y101 | 577 | 6,645SH | 5,845 | 800 | 0 |
| United Technlgies Corp | Equity | 913017109 | 2,313 | 32,605SH | 28,355 | 4,250 | 0 |
| Valero Energy Corp | Equity | 91913Y100 | 1,173 | 15,875SH | 14,325 | 1,550 | 0 |
| Verizon Communications | Equity | 92343V104 | 1,409 | 34,224SH | 29,571 | 4,653 | 0 |
| Walgreen Co | Equity | 931422109 | 3,159 | 72,557SH | 63,307 | 9,250 | 0 |
| Wells Fargo & Co | Equity | 949746101 | 723 | 20,565SH | 18,615 | 1,950 | 0 |
| Wyeth | Equity | 983024100 | 1,491 | 26,000SH | 23,400 | 2,600 | 0 |