

## MWRD RETIREMENT FUND EQUITY TRANSACTIONS - DECEMBER 2018

PURCHASES	SHARES	PURCHASES	SHARES
ABB LTD	2,250	GILEAD SCIENCES INC	13,425
ADTALEM GLOBAL EDUCATION INC	330	GIMV NV	6,800
AIN HOLDINGS INC	400	GREENHILL & CO INC	4,094
ALLEGIANT TRAVEL CO	609	GUANGDONG INVESTMENT LTD	16,000
AMBEV SA	14,582	HACKETT GROUP INC/THE	5,829
AMERICAN EAGLE OUTFITTERS INC	3,715	HAMILTON LANE INC	2,845
AMPHASTAR PHARMACEUTICALS INC	4,995	HELEN OF TROY LTD	300
ATKORE INTERNATIONAL GROUP INC	10,953	HELMERICH & PAYNE INC	4,925
B2GOLD CORP	24,980	HIKARI TSUSHIN INC	400
BANCO BILBAO VIZCAYA ARGENTARI	4,417	HUDBAY MINERALS INC	5,655
BANK OF MONTREAL	671	HUNTINGTON INGALLS INDUSTRIES	2,600
BANK OF NOVA SCOTIA	1,578	IBERDROLA SA	4,440
BARRICK GOLD CORP	7,612	IMPERIAL BRANDS PLC	2,199
BASF SE	1,344	ING GROEP NV	2,161
BAYER AG	1,082	INPHI CORP	1,200
BIOGEN INC	300	INTEL CORP	19,475
BOK FINANCIAL CORP	3,400	ISHARES MSCI CHINA ETF	12,244
BRANDYWINE REALTY TRUST	7,455	ISHARES MSCI EUROZONE ETF	70,516
BRINKER INTERNATIONAL INC	4,801	ISHARES MSCI HONG KONG ETF	12,423
BRITISH AMERICAN TOBACCO PLC	2,216	ISHARES MSCI JAPAN ETF	41,314
BRP INC	1,102	ISHARES MSCI SOUTH AFRICA ET	1,363
BT GROUP PLC	27,981	ISHARES MSCI SOUTH KOREA ETF	2,876
CACI INTERNATIONAL INC	155	ISHARES MSCI TAIWAN ETF	7,374
CARDTRONICS PLC	203	J SAINSBURY PLC	8,092
CASEY'S GENERAL STORES INC	2,370	JGC CORP	4,200
CELGENE CORP	12,925	K12 INC	3,774
CHARTER COMMUNICATIONS INC	225	KADANT INC	1,236
CHEESECAKE FACTORY INC/THE	2,772	KEMPER CORP	3,620
CHILDREN'S PLACE INC/THE	195	KERING SA	52
CHINA LIFE INSURANCE CO LTD	82,000	KLA-TENCOR CORP	6,599
CHINA RESOURCES POWER HOLDINGS	12,000	LABORATORY CORP OF AMERICA HOL	1,700
CIMIC GROUP LTD	2,095	LANTHEUS HOLDINGS INC	555
CIMPRESS NV	758	LAZARD LTD	5,900
CISCO SYSTEMS INC	1,051	LIGAND PHARMACEUTICALS INC	230
CITRIX SYSTEMS INC	296	LITTELFUSE INC	335
CLP HOLDINGS LTD	11,000	MAN SE	229
COGENT COMMUNICATIONS HOLDING	382	MANULIFE FINANCIAL CORP	41,186
COPA HOLDINGS SA	1,641	MATADOR RESOURCES CO	1,190
COVESTRO AG	1,866	MCGRATH RENTCORP	723
CSL LTD	517	MERCK KGAA	218
CUSTOMERS BANCORP INC	5,886	MERITOR INC	4,240
DEUTSCHE POST AG	785	METRO AG	6,387
DEUTSCHE TELEKOM AG	6,044	METROPOLITAN BANK HOLDING CORP	689
DEUTZ AG	56,700	MFA FINANCIAL INC	11,790
DFA EMERG MKTS CORE EQTY-I	25,766	MILLER INDUSTRIES INC/TN	668
EAGLE BANCORP INC	8,761	MOLSON COORS BREWING CO	17,400
EBIX INC	4,946	NATIONAL BANK OF CANADA	1,020
ENBRIDGE INC	2,785	NATIONAL HEALTH INVESTORS INC	685
ENDESA SA	1,034	NESTLE SA	1,435
ENEL SPA	5,236	NINE ENERGY SERVICE INC	2,485
ENGIE SA	3,610	NORTH AMERICAN CONSTRUCTION GF	5,871
ENTERGY CORP	1,500	NORTHERN TRUST CORP	3,300
EURONET WORLDWIDE INC	235	NOVO NORDISK A/S	1,256
EVERTEC INC	3,982	NU SKIN ENTERPRISES INC	1,594
FEDNAT HOLDING CO	559	NUTRIEN LTD	391
FIRST OF LONG ISLAND CORP/THE	743	OASIS PETROLEUM INC	1,735
FORTIS INC	5,620	OFG BANCORP	1,271
FRESENIUS MEDICAL CARE AG & CO	650	OIL STATES INTERNATIONAL INC	2,350

<b>PURCHASES</b>	<b>SHARES</b>	<b>PURCHASES</b>	<b>SHARES</b>
PANASONIC CORP	9,500	WOLTERS KLUWER NV	399
PARKLAND FUEL CORP	2,025	WPX ENERGY INC	18,040
PARSLEY ENERGY INC	11,180	XTRACKERS HARVEST CSI 300 CH	13,802
PATTERSON-UTI ENERGY INC	5,220	YUM! BRANDS INC	317
PCM INC	2,397	ZAGG INC	12,688
PHILLIPS 66	6,000	ZEAL NETWORK SE	3,000
PNM RESOURCES INC	150		
PREMIER INC	8,025	<b>SALES</b>	<b>SHARES</b>
PROSPERITY BANCSHARES INC	10,821	AEGON NV	10,292
PROXIMUS SADP	886	AFLAC INC	9,500
QOL HOLDINGS CO LTD	1,400	ALIMENTATION COUCHE-TARD INC	649
QUEBECOR INC	3,393	ALLEGHENY TECHNOLOGIES INC	1,880
RADIAN GROUP INC	10,636	ALLIANCE PHARMA PLC	11,300
RANGE RESOURCES CORP	12,343	AMADA HOLDINGS CO LTD	9,800
RECKITT BENCKISER GROUP PLC	1,016	AMERICAN WOODMARK CORP	1,571
REGENXBIO INC	1,980	ANI PHARMACEUTICALS INC	1,368
RIO TINTO PLC	1,277	ARBOR REALTY TRUST INC	27,279
ROGERS COMMUNICATIONS INC	801	ASPEN INSURANCE HOLDINGS LTD	7,070
ROYAL MAIL PLC	11,884	ASSOCIATED BANC-CORP	12,621
RWE AG	1,099	AVIVA PLC	10,587
SANOFI	274	BRINK'S CO/THE	985
SELECTIVE INSURANCE GROUP INC	5,995	CANADIAN NATURAL RESOURCES LTD	2,883
SELVAAG BOLIG ASA	2,337	CELANESE CORP	194
SEMAFO INC	27,849	CELESTICA INC	6,236
SHIBAURA MECHATRONICS CORP	6,100	CENTERRA GOLD INC	1,908
SHOE CARNIVAL INC	5,527	CENTRAL GLASS CO LTD	10,600
SLEEP NUMBER CORP	4,367	CENTRICA PLC	29,250
SONY CORP	1,200	CHIBA BANK LTD/THE	16,900
SOUTH STATE CORP	3,806	CHUNGHWA TELECOM CO LTD	3,274
SPIRE INC	515	CNX RESOURCES CORP	8,113
SPIRIT AEROSYSTEMS HOLDINGS IN	887	COLRUJT SA	2,660
STAMPS.COM INC	1,874	CONCORDIA FINANCIAL GROUP LTD	20,000
STANLEY BLACK & DECKER INC	1,400	CONTINENTAL BUILDING PRODUCTS	4,413
STEPAN CO	82	CRA INTERNATIONAL INC	418
SUMMIT HOTEL PROPERTIES INC	16,278	DAI-ICHI LIFE HOLDINGS INC	20,383
SUNDRUG CO LTD	800	DAIWA HOUSE REIT INVESTMENT CO	28
SUPERNUS PHARMACEUTICALS INC	660	DENBURY RESOURCES INC	26,636
SYNOPSIS INC	6,850	D'IETEREN SA/NV	5,800
TABCORP HOLDINGS LTD	20,502	DORMAN PRODUCTS INC	4,158
TEIJIN LTD	25,400	EDWARDS LIFESCIENCES CORP	9,225
TELEFONICA SA	4,359	EMERA INC	3,691
TEREX CORP	538	ENCANA CORP	1,950
TESCO PLC	12,530	EPLUS INC	2,599
TIFFANY & CO	9,200	EURONET WORLDWIDE INC	9,096
TORONTO DOMINION BANK	2,086	FIRSTENERGY CORP	3,000
TRANSCANADA CORP	4,868	FORTINET INC	11,300
TRANSCONTINENTAL INC	1,303	FUKUOKA FINANCIAL GROUP INC	4,100
TSURUHA HOLDINGS INC	700	GANNETT CO INC	13,761
UNILEVER NV	688	GFI INFORMATIQUE SA/FRANCE	18,400
UNITED CONTINENTAL HOLDINGS IN	2,395	GLACIER BANCORP INC	2,686
VALVOLINE INC	66,269	GODADDY INC	8,900
VANECK VECTORS GOLD MINERS E	46,902	GOLDCORP INC	8,396
VIACOM INC	3,100	GREENBRIER COS INC/THE	4,314
WALGREENS BOOTS ALLIANCE INC	486	HEALTHCARE SERVICES GROUP INC	615
WESTERN DIGITAL CORP	15,306	HEICO CORP	5,775
WESTROCK CO	1,660	HELEN OF TROY LTD	425
WHIRLPOOL CORP	900	HIBBETT SPORTS INC	434
WILMAR INTERNATIONAL LTD	27,000	HILTON GRAND VACATIONS INC	2,265

<b>SALES</b>	<b>SHARES</b>	<b>SALES</b>	<b>SHARES</b>
HITACHI CHEMICAL CO LTD	3,600	POINTS INTERNATIONAL LTD	2,114
HK ELECTRIC INVESTMENTS & HK E	87,056	POLYONE CORP	6,861
HUSKY ENERGY INC	5,135	POWER ASSETS HOLDINGS LTD	9,000
ILLUMINA INC	1,950	PROXIMUS SADP	8,302
INDEPENDENT BANK GROUP INC	5,595	RECKITT BENCKISER GROUP PLC	2,247
ISHARES MSCI CHINA ETF	8,549	REX AMERICAN RESOURCES CORP	220
ISHARES MSCI EMERGING MARKET	13,769	ROGERS CORP	2,590
ITOCHU CORP	3,200	ROYAL BANK OF CANADA	4,751
ITT INC	850	SALMAR ASA	2,700
J FRONT RETAILING CO LTD	6,300	SAMSUNG ELECTRONICS CO LTD	102
JAPAN TOBACCO INC	2,100	SCOR SE	3,800
JARDINE CYCLE & CARRIAGE LTD	2,000	SHINMAYWA INDUSTRIES LTD	5,400
KAISER ALUMINUM CORP	453	SHIZUOKA BANK LTD/THE	12,600
KEYSIGHT TECHNOLOGIES INC	3,200	SHUTTERFLY INC	784
KIRKLAND LAKE GOLD LTD	1,545	SMITH & NEPHEW PLC	7,897
KOREA ELECTRIC POWER CORP	4,017	SUMITOMO CORP	3,500
LHC GROUP INC	1,279	SUMITOMO MITSUI FINANCIAL GROU	4,600
MAGNA INTL INC	1,894	SUMITOMO MITSUI TRUST HOLDINGS	2,000
MATADOR RESOURCES CO	11,405	SUNCOR ENERGY INC	2,817
MAXAR TECHNOLOGIES LTD	1,479	SUPERIOR PLUS CORP	4,256
METHODE ELECTRONICS INC	5,242	T&D HOLDINGS INC	21,500
METROPOLITAN BANK HOLDING CORP	1,211	TAIWAN SEMICONDUCTOR MANUFACT	2,784
MICHAEL KORS HOLDINGS LTD	9,350	TECH DATA CORP	1,066
MITSUBISHI UFJ FINANCIAL GROUP	30,700	TOKYO ELECTRIC POWER CO HOLDIN	9,800
MITSUI CHEMICALS INC	1,900	TRANSALTA CORP	9,410
MIZUHO FINANCIAL GROUP INC	101,400	TRICON CAPITAL GROUP INC	1,952
MONRO INC	14,996	USANA HEALTH SCIENCES INC	631
MYRIAD GENETICS INC	4,441	VALMET OYJ	7,200
NATIONAL STORAGE AFFILIATES TR	8,817	VANECK VECTORS GOLD MINERS E	11,462
NEXSTAR MEDIA GROUP INC	755	VODAFONE GROUP PLC	38,211
NEXTGEN HEALTHCARE INC	2,855	WESTERN UNION CO/THE	34,600
NIC INC	2,851	WESTON (GEORGE) LTD	1,066
NIPRO CORP	12,000	WHEATON PRECIOUS METALS CORP	3,177
NOBLE CORP PLC	10,128	WILLIS TOWERS WATSON PLC	2,400
NOBLE ENERGY INC	17,500	WOLTERS KLUWER NV	2,456
NVIDIA CORP	5,225	WORLD ACCEPTANCE CORP	477
OASIS PETROLEUM INC	32,135	XPO LOGISTICS INC	9,400
OIL STATES INTERNATIONAL INC	12,140	YAMADA DENKI CO LTD	10,800
PATTERSON-UTI ENERGY INC	23,615	ZUMIEZ INC	291
PHYSICIANS REALTY TRUST	6,275		