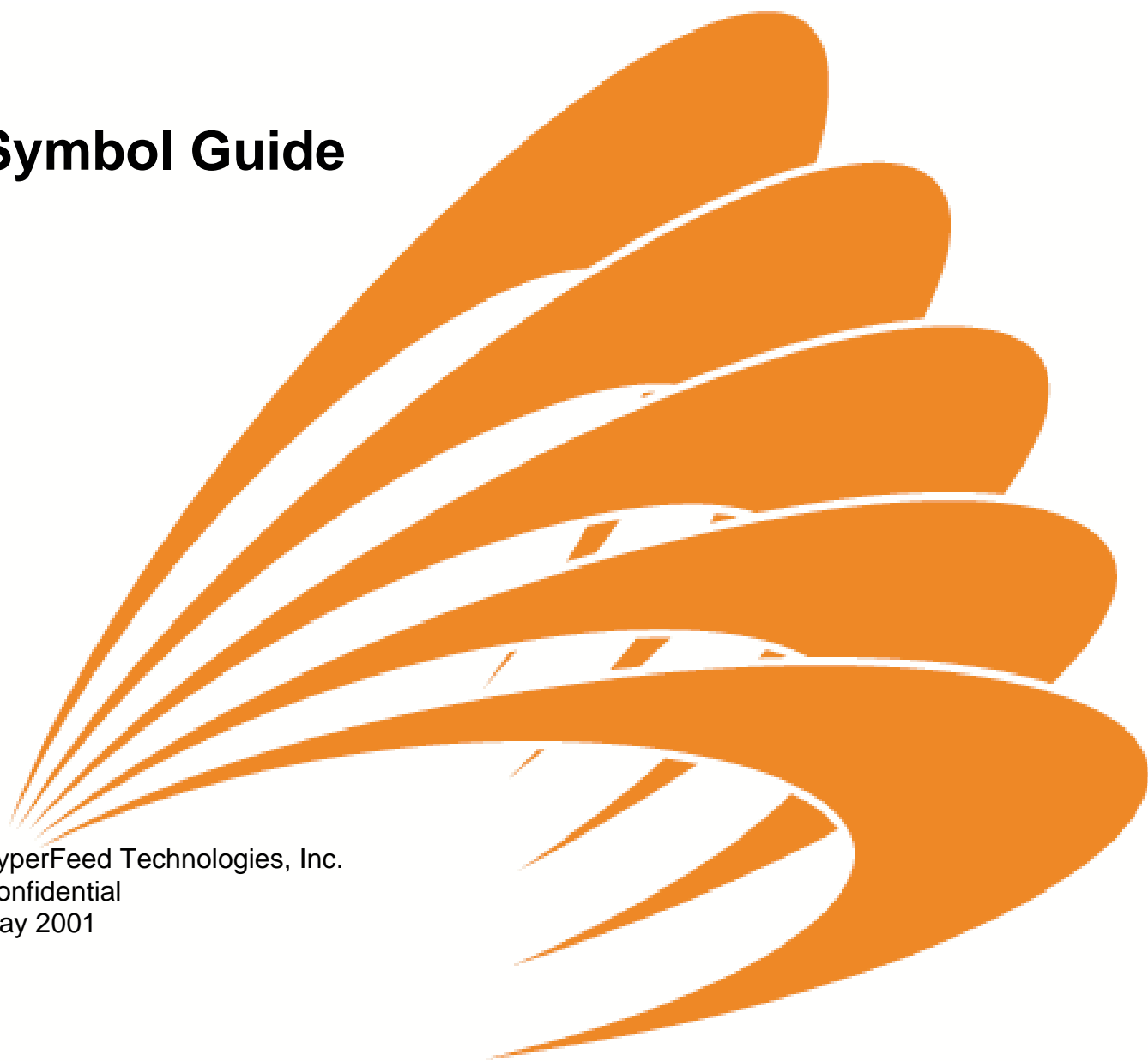


Symbol Guide

HyperFeed Technologies, Inc.
Confidential
May 2001



This document is published by:

HyperFeed Technologies, Inc. (formerly PC Quote, Inc.)
300 South Wacker Drive
Suite 300
Chicago, IL 60606-6688

Main telephone number: 312.913.2800

Customer Support: 800.778.0445

© 2001 HyperFeed Technologies, Inc. All rights reserved.

Information in this document is subject to change without notice and does not represent a commitment on the part of HyperFeed Technologies, Inc. This document and the software described in it are furnished under a license agreement or non-disclosure agreement. The software may be used or copied only in accordance with the terms of the agreement. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or information recording and retrieval systems, for any purpose other than the licensed use, without the express written permission of HyperFeed Technologies, Inc.

HyperFeed® is a registered trademark of HyperFeed Technologies, Inc.

HyperServer™, Apogee™, Neosphere™, and Neosphere DB™ are trademarks of HyperFeed Technologies, Inc.

Acknowledgments:

Microsoft® and Windows NT® are registered trademarks of Microsoft Corporation

Adobe® and Acrobat® are registered trademarks of Adobe Systems Incorporated.

Java™ is a trademark of Sun Microsystems, Inc.

Contents

1. Symbol Guide	5
1.1. Formats for Entering Symbols	5
1.1.1. Exchange Codes for Symbol Formats	7
1.1.2. Option Expiration Month Codes	8
1.1.3. Option Strike Price Codes	9
1.1.4. Commodity Expiration Month Codes	10
1.2. Market Statistic and Indicator Symbols	11
1.2.1. Dow Jones Indexes	11
1.2.2. Other Dow Jones Indexes	12
1.2.3. World Market Indexes	27
1.2.4. Market Statistics for the U.S. and Canada	29
1.2.5. London Gold Fix	30
1.2.6. Spreads	31
1.2.7. TIKI	31
1.2.8. American Volume on Regional Exchange	31
1.3. Indexes	32
1.3.1. American Stock Exchange	32
1.3.2. Chicago Board Options Exchange	33
1.3.3. Montreal Stock Exchange	35
1.3.4. NASDAQ NMS	36
1.3.5. NASDAQ Level 1	36
1.3.6. New York Stock Exchange	37
1.3.7. Pacific Stock Exchange	37
1.3.8. Philadelphia Stock Exchange	37
1.3.9. Toronto Stock Exchange	37
1.3.10. Canadian Venture Exchange	38
1.4. Other Indicators	39
1.4.1. Trading Volume	39
1.4.2. Block Trades (5000 Shares and Greater)	39
1.4.3. Odd Lot Sales at NYSE	39
1.4.4. Bond Indexes	40
1.4.5. Miscellaneous Indicators	40
1.4.6. New Highs	40
1.4.7. New Lows	41
1.4.8. S&P Indexes	41
1.5. Commodity Symbols	42
1.5.1. Commodity Exchange Abbreviations	42
1.5.2. Commodity Volumes	42
1.5.3. List of Commodity and Commodity Option Symbols	43

[1.5.4. Theoretical Spot Currency Rates](#) 63
[1.5.5. Theoretical Currency Cross Rates](#) 63
[1.5.6. Currency Options: Philadelphia Stock Exchange](#) 63

1. Symbol Guide

The data screens show data for a wide variety of traded issues. This section describes formats for entering different types of symbols such as stocks, options, commodities, and commodity options. For a complete listing of index, market statistic, and indicator symbols, see the "Market Statistic and Indicator Symbols" section beginning on page 11. For a list of commodity and commodity option symbols, see "Commodity Symbols" beginning on page 42. For a company's ticker symbol, use the NameLook program or call the exchange where the issue trades.

In the formats that follow, a + (plus sign) is used only as a unit separator, and is not an actual part of the symbol format. The + character is used to make reading the formats easier. Do not type + when it appears.

1.1. Formats for Entering Symbols

In the formats that follow, a + (plus sign) is used only as a unit separator, and is not an actual part of the symbol format. The + character is used to make reading the formats easier.

Symbol Type	Format	Example
Common Stocks	SYMBOL	XYZ
Common Stocks for Specified Exchange	SYMBOL + & + Exchange Code	XYZ&N
Class	SYMBOL + / + CLASS	XYZ/B
Preferred	SYMBOL + p + CLASS (if any)	XYZp or XYZpA
Rights	SYMBOL + r	XYZr
Warrants	SYMBOL + /WS	XYZ/WS
When Delivered	SYMBOL + /WD	XYZ/WD
When Issued	SYMBOL + w	XYZw
International	SYMBOL + . + Country Code	XYZ.CA
Canadian Debenture Bonds	SYMBOL + d + CLASS (if any) + . + CA	MRIdU.CA TBCd.CA CFEdB.CA
Canadian Installment Receipt	SYMBOL + i + CLASS (if any) + . + CA	STUi.CA TRHi.CA

Symbol Type	Format	Example
Canadian Unit	SYMBOL + u + CLASS (if any) + . + CA	MSRu.CA MSRuA.CA
Bond	SYMBOL + % + BOND IDENTIFIER	DUK%A25 DUK%99
Called Bond, Convertible Called, Ex-Interest, Partial Called	SYMBOL + % + BOND IDENTIFIER + .	AAG%01. DUK%B21. DEW%97.
Bankruptcy Bond - NYSE	Q + SYMBOL	QMCRY%97
Bankruptcy Bond - AMEX	SYMBOL	EAL%J
Money Market and Mutual Fund	SYMBOL	Money market symbols are five letters long and have two xx's at the end. Mutual fund symbols are also five letters long and have one x at the end. ACEHX AAACX AADBX AADXX
Options (Equity and Currency)	. + SYMBOL + Month Code + Strike Price Code	.IBMAA .IBMWT .GMAJ
Options for Specified Exchange	. + SYMBOL + Month Code + Strike Price Code + & + Exchange Code	.IBMGH&N
Commodities	/ + COMMODITY SYMBOL + YEAR CODE + Expiration Month Code	/LH8M or /C8K
Commodity Options	/ + COMMODITY OPTION SYMBOL + YEAR CODE + Expiration Month Code + C (for Call or P for Put) + Strike Price	/SP8HP71000 /OO8HC1500
Globex	/ + COMMODITY SYMBOL + YEAR CODE + Expiration Month Code + G	/SP8MG
Globex Options	/ + COMMODITY OPTION SYMBOL + YEAR CODE + Expiration Month Code + C (for Call or P for Put) + G + Strike Price	/SP8MCG48000
Summary of both Globex and regular trading	/ + COMMODITY SYMBOL + YEAR CODE + Expiration	/SP8MT /SP9HT

Symbol Type	Format	Example
(generated by CME).	Month Code + T	
Summary of Globex and regular trading (generated by CME).	/ + COMMODITY OPTION SYMBOL + YEAR CODE + Expiration Month Code + C (for Call or P for Put) + T + Strike Price	/SP8HCT10350 /SP8HPT74000

Notes:

There are instances in the symbols above where the case of the letter used is crucial. For preferred or rights issues, for example, a lower case p or a lower case r is necessary.

For foreign exchange options, use the commodity option format when the underlying instrument is a futures contract and use the equity option format when the underlying instrument is cash.

To see which symbols are traded on Globex, see the list of commodity symbols beginning on page 42. Issues traded on Globex are labeled with Globex along with the exchange used during regular trading hours.

The year code used in commodity and commodity option formats above is the final digit of the year being used. For 1998, the year code would be 8.

1.1.1. Exchange Codes for Symbol Formats

Code	U.S. Exchange
A	American Stock Exchange (including options)
B	Boston Stock Exchange
C	Chicago Board Options Exchange (when an option)
C	Cincinnati Stock Exchange
F	Mutual Funds/Money Markets (NASDAQ)
I	International Securities Exchange
M	Chicago (Midwest) Stock Exchange
N	New York Stock Exchange
P	Pacific Stock Exchange (including options)
Q	NASDAQ NMS

Code	U.S. Exchange
S	NASDAQ Small Cap
T	NASDAQ Listed Stocks
U	NASDAQ U.S. Over-the-Counter Bulletin Board (OTCBB)
V	NASDAQ OTC "OTHER"
X	Philadelphia Stock Exchange (including options)
W	CBOE Non-options

Code	Canadian Exchange
M	Montreal Stock Exchange
T	Toronto Stock Exchange. Includes the Canadian Dealings Network (CDN).
V	Canadian Venture Exchange. Includes Alberta, Vancouver, and Winnipeg Stock Exchanges.

1.1.2. Option Expiration Month Codes

Month	Call Code Letter	Put Code Letter
January	A	M
February	B	N
March	C	O
April	D	P
May	E	Q
June	F	R
July	G	S
August	H	T
September	I	U
October	J	V
November	K	W
December	L	X

1.1.3. Option Strike Price Codes

Code Letter	Strike Price	Strike Price	Strike Price
A	5	105	205
B	10	110	210
C	15	115	215
D	20	120	220
E	25	125	225
F	30	130	230
G	35	135	235
H	40	140	240
I	45	145	245
J	50	150	250
K	55	155	255
L	60	160	260
M	65	165	265
N	70	170	270
O	75	175	275
P	80	180	280
Q	85	185	285
R	90	190	290
S	95	195	295
T	100	200	300
U	7 ½	37 ½	67 ½
V	12 ½	42 ½	72 ½
W	17 ½	47 ½	77 ½
X	22 ½	52 ½	82 ½
Y	27 ½	58 ½	87 ½
Z	32 ½	62 ½	92 ½

In the table, M could represent a strike of 65, 165, or 265. It could also represent 365 or 465 or higher.

1.1.4. Commodity Expiration Month Codes

Month	First Year
January	F
February	G
March	H
April	J
May	K
June	M
July	N
August	Q
September	U
October	V
November	X
December	Z

1.2. Market Statistic and Indicator Symbols

The market statistic and indicator symbols in this section can be entered as is. There is no special format such as the format for commodities. The symbols are sorted alphabetically.

1.2.1. Dow Jones Indexes

The indexes listed below are sent out from 9:30 a.m. to 4:30 p.m. Eastern time. The Dow Jones Industrial Average is sent out once every two seconds. The others are sent out once every five seconds. The symbols for these Dow Jones indexes have changed since the last version of this document.

Dow Jones Theoretical Indexes

Index	Old Symbol	New Symbol
Dow Jones Industrial Average	\$INDU	\$DJIT
Dow Jones Composite Average	\$COMP	\$DJCT
Dow Jones Transportation Average	\$TRAN	\$DJTT
Dow Jones Utilities Average	\$UTIL	\$DJUT

Dow Jones Actual Indexes

Index	Old Symbol	New Symbol
Dow Jones Industrial Average	\$INDUA	\$DJI
Dow Jones Composite Average	\$COMPA	\$DJC
Dow Jones Transportation Average	\$TRANA	\$DJT
Dow Jones Utilities Average	\$UTILA	\$DJU

1.2.1.1. Theoretical vs. Actual

The difference between the theoretical Dow Jones indexes and the actual indexes has to do with how they are calculated. The last sale price (most recent trade price) for the theoretical and actual indexes is the same. The open prices are different. The actual index will open with the first trade of any of the members that make up the index. The theoretical index will not show an open price until all the members of the index have begun trading. The high price for the actual index is the highest last sale price that the index achieved during the trading day. If a user kept a file with every index last sale price sent out by HyperFeed Technologies, then somewhere in that file would be the high price for the index for the day. This is the actual high price. The high price for the theoretical index is a calculation of the high prices of each of the members of the index. The reason this is called theoretical is that the high prices of the members never coincide. The high price for member A might occur at 10:00am while the high price for member B might occur at 1:00pm. The theoretical high would represent the high price of each member even though they happen at different times. If a user kept a file with every index last sale price sent out by HyperFeed Technologies, then that file would never show the high price for the index for the day. What has been said about high prices can also be said about low prices.

1.2.2. Other Dow Jones Indexes

Dow Jones also has a web site which will list indexes as they are added to the datafeed. Their site is <http://indexes.dowjones.com/symbols.html>. HyperFeed adds a dollar sign (\$) at the beginning of each symbol. Otherwise, the HyperFeed symbols should match the Dow Jones symbols.

Dow Jones U.S. Broad Market Indexes

The indexes listed below are sent out from 9:30 a.m. to 5:15 p.m. Eastern time and are sent out once a minute.

Index	Symbol
US Broad Market Index	\$DJUS
US Small-Cap Index	\$DJUSS
US Mid-Cap Index	\$DJUSM
US Large-Cap Index	\$DJUSL

Dow Jones U.S. Market Sector Indexes

The market sector indexes in the table below are disseminated between 9:30 a.m. and 5:15 p.m. Eastern time at 15 second intervals.

Sector	Symbol
Basic Materials	\$DJUSBM
Consumer, Cyclical	\$DJUSCY
Consumer, Non-Cyclical	\$DJUSNC
Energy	\$DJUSEN
Financial	\$DJUSFN
Healthcare	\$DJUSHC
Industrial	\$DJUSIN
Technology	\$DJUSTC
Telecommunications	\$DJUSTL
Utilities	\$DJUSUT

Dow Jones U.S. Industry Groups

The indexes in the table below are disseminated between 9:30 a.m. and 5:15 p.m. Eastern time at one minutes intervals.

Sector	Symbol
Advertising & Media	\$DJUSAD
Aerospace	\$DJUSAE
Auto Manufacturers & Parts Makers	\$DJUSAP
Banks	\$DJUSBK
Chemicals	\$DJUSCH
Coal	\$DJUSCL
Construction & Materials	\$DJUSCN
Consumer Services	\$DJUSCS
Containers & Packaging	\$DJUSCP
Cosmetics	\$DJUSCM
Electric Utilities	\$DJUSEU
Entertainment & Leisure	\$DJUSEL
Fixed Line Communications	\$DJUSFC
Food & Beverage	\$DJUSFB
Food Retailers & Wholesalers	\$DJUSFW
Forest Products & Paper	\$DJUSFR
Gas Utilities	\$DJUSGU

Sector	Symbol
General Industrial Services	\$DJUSIS
Healthcare Providers	\$DJUSHP
Home Construction & Furnishings	\$DJUSHM
Household Products	\$DJUSHO
Industrial Equipment	\$DJUSIE
Industrial Transportation	\$DJUSIT
Industrial, Diversified	\$DJUSID
Insurance	\$DJUSIR
Medical Products	\$DJUSMP
Mining & Metals	\$DJUSMM
Oil & Gas	\$DJUSOG
Pharmaceuticals & Biotechnology	\$DJUSPH
Real Estate	\$DJUSRE
Retailers	\$DJUSRT
Specialty Finance	\$DJUSSF
Technology, Hardware & Equipment	\$DJUSTH
Technology, Software	\$DJUSTS
Textile & Apparel	\$DJUSTA
Tobacco	\$DJUSTB
Transportation Equipment	\$DJUSTE
Travel	\$DJUSTV
Water Utilities	\$DJUSWU
Wireless Communications	\$DJUSWC

Dow Jones U.S. Sub-Groups

The indexes in the table below are disseminated between 9:30 a.m. and 5:15 p.m. Eastern time at one minute intervals.

Sub-Group	Symbol
Advanced Industrial Equipment	\$DJUSAI
Advanced Medical Devices	\$DJUSAM
Advertising	\$DJUSAV
Agriculture	\$DJUSAG
Air Freight	\$DJUSAF
Airlines	\$DJUSAR
Aluminum	\$DJUSAL
Auto Parts	\$DJUSAT
Automobiles	\$DJUSAU

Sub-Group	Symbol
Biotechnology	\$DJUSBT
Broadcasting	\$DJUSBC
Building Materials	\$DJUSBD
Casinos	\$DJUSCA
Chemicals, Commodity	\$DJUSCC
Chemicals, Specialty	\$DJUSCX
Clothing/Fabrics	\$DJUSCF
Communications Technology	\$DJUSCT
Computers	\$DJUSCR
Consumer Electronics	\$DJUSCE
Distillers & Brewers	\$DJUSDB
Diversified Financial	\$DJUSDF
Electric Components & Equipment	\$DJUSEC
Entertainment	\$DJUSET
Factory Equipment	\$DJUSFE
Food Products	\$DJUSFP
Footwear	\$DJUSFT
Forest Products	\$DJUSFS
Furnishings	\$DJUSFH
Heavy Construction	\$DJUSHV
Heavy Machinery	\$DJUSHR
Home Construction	\$DJUSHB
Household Products, Durable	\$DJUSHD
Household Products, Non-Durable	\$DJUSHN
Industrial Services	\$DJUSIV
Insurance, Full Line	\$DJUSIF
Insurance, Life	\$DJUSIL
Insurance, Property/Casualty	\$DJUSIP
Land Transportation Equipment	\$DJUSLT
Lodging	\$DJUSLG
Marine Transport	\$DJUSMT
Medical Supplies	\$DJUSMS
Mining, Diversified	\$DJUSMD
Non-Ferrous Metals Excluding Aluminum	\$DJUSNF
Office Equipment	\$DJUSOE
Oil Companies, Major	\$DJUSOL
Oil Companies, Secondary	\$DJUSOS
Oil Drilling	\$DJUSOD
Oilfield Equipment & Services	\$DJUSOQ
Paper Products	\$DJUSPP
Pharmaceuticals	\$DJUSPR
Pipelines	\$DJUSPL

Sub-Group	Symbol
Pollution Control	\$DJUSPC
Precious Metals	\$DJUSPM
Publishing	\$DJUSPB
Railroads	\$DJUSRR
Recreational Products & Services	\$DJUSRP
Restaurants	\$DJUSRU
Retailers, Apparel	\$DJUSRA
Retailers, Broadline	\$DJUSRB
Retailers, Drug-based	\$DJUSRD
Retailers, Specialty Excluding Drug & Apparel	\$DJUSRS
Savings & Loan Associations	\$DJUSSL
Securities Brokers	\$DJUSSB
Semiconductors	\$DJUSSC
Shipbuilding	\$DJUSSP
Soft Drinks	\$DJUSSD
Steel	\$DJUSST
Tires	\$DJUSTR
Toys	\$DJUSTY
Trucking	\$DJUSTK

Dow Jones U.S. REIT Indexes

The indexes listed below are sent out from 9:30 a.m. to 5:15 p.m. Eastern time and are sent out once every 15 seconds.

Index	Symbol
Composite Reit Index	\$RCI
Composite Reit Total Return Index	\$RCIT
Equity Reit Index	\$REI
Equity Reit Total Return Index	\$REIT

Dow Jones World and Region Indexes

The indexes listed below are sent out 24 hours a day a day at 15 second intervals except for the Americas Stock Index which is sent out at one minute intervals.

Index	Symbol
Americas Stock Index	\$A1DOW
Europe Stock Index	\$E1DOW
Europe Stock Index Excluding UK	\$E2DOW
Europe/Africa Stock Index	\$E0DOW
Latin America Stock Index	\$A3DOW
Nordic Stock Index	\$E3DOW
Pacific Stock Index	\$P1DOW
Pacific Stock Index Excluding Japan	\$P2DOW
Southeast Asia Stock Index	\$P3DOW
World Stock Index	\$W1DOW
World Stock Index Excluding US	\$W2DOW

Dow Jones Americas Country Indexes

The indexes listed below are sent out between 9:30 a.m. and 5:15 p.m. Eastern time at five minute intervals. Indexes with a USD are priced in U.S. dollars.

Index	Symbol
Brazil Stock Index	\$BRDOW
Brazil Stock Index USD	\$BRDOW D
Canada Stock Index	\$CADOW
Canada Stock Index USD	\$CADOW D
Chile Stock Index	\$CLDOW
Chile Stock Index USD	\$CLDOWD
Mexico Stock Index	\$MXDOW
Mexico Stock Index USD	\$MXDOW D
Venezuela Stock Index	\$VEDOW
Venezuela Stock Index USD	\$VEDOWD

Index	Symbol

Dow Jones Europe and Africa Country Indexes

The indexes in the table below are sent out once every five minutes. The times that the indexes are disseminated are Eastern time. Indexes with a USD are priced in U.S. dollars.

Index	Symbol	Disseminated
Austria Stock Index	\$ATDOW	3:00 a.m. – 11:15 a.m.
Austria Stock Index USD	\$ATDOWD	24 hours a day
Belgium Stock Index	\$BEDOW	4:00 a.m. – 11:30 a.m.
Belgium Stock Index USD	\$BEDOWD	24 hours a day
Denmark Stock Index	\$DKDOW	3:00 a.m. – 11:15 a.m.
Denmark Stock Index USD	\$DKDOWD	24 hours a day
Finland Stock Index	\$FIDOW	2:30 a.m.-11:30 a.m.
Finland Stock Index USD	\$FIDOWD	24 hours a day
France Stock Index	\$FRDOW	4:00 a.m. – 12:30 p.m.
France Stock Index USD	\$FRDOWD	24 hours a day
Germany Stock Index	\$DEDOW	2:30 a.m. – 12:30 p.m.
Germany Stock Index USD	\$DEDOWD	24 hours a day
Greece Stock Index	\$GRDOW	3:45 a.m. – 7:30 a.m.
Greece Stock Index USD	\$GRDOWD	24 hours a day
Ireland Stock Index	\$IEDOW	3:30 a.m. – 12:30 p.m.
Ireland Stock Index USD	\$IEDOWD	24 hours a day
Italy Stock Index	\$ITDOW	4:00 a.m. – 12:30 p.m.
Italy Stock Index USD	\$ITDOWD	24 hours a day
Netherlands Stock Index	\$NLDOW	3:30 a.m. – 11:30 a.m.
Netherlands Stock Index USD	\$NLDOWD	24 hours a day
Norway Stock Index	\$NODOW	4:00 a.m. – 11:30 a.m.
Norway Stock Index USD	\$NODOWD	24 hours a day
Portugal Stock Index	\$PTDOW	3:30 a.m. – 12:30 p.m.
Portugal Stock Index USD	\$PTDOWD	24 hours a day
South Africa Stock Index	\$ZADOW	3:30 a.m. – 11:30 a.m.
South Africa Stock Index USD	\$ZADOWD	24 hours a day
Spain Stock Index	\$ESDOW	4:00 a.m. – 12:30 p.m.
Spain Stock Index USD	\$ESDOWD	24 hours a day
Sweden Stock Index	\$SEDOW	4:00 a.m. – 12:30 p.m.

Index	Symbol	Disseminated
Sweden Stock Index USD	\$SEDOWD	24 hours a day
Switzerland Stock Index	\$CHDOW	4:00 a.m. – 11:30 a.m.
Switzerland Stock Index USD	\$CHDOWD	24 hours a day
UK Stock Index	\$GBDOW	3:30 a.m. – 12:30 p.m.
UK Stock Index USD	\$GBDOWD	24 hours a day

Dow Jones Asia and Pacific Country Indexes

The times that the indexes are disseminated are Eastern time. Indexes with a USD are priced in U.S. dollars.

Index Description	Symbol	Disseminated	Interval
Australia Stock Index	\$AUDOW	5:30 p.m. – 1:15 a.m.	15 seconds
Australia Stock Index USD	\$AUDOWD	24 hours a day	15 seconds
Hong Kong Stock Index	\$HKDOW	10:00 p.m. – 4:00 a.m.	5 minutes
Hong Kong Stock Index USD	\$HKDOWD	24 hours a day	5 minutes
Indonesia Stock Index	\$IDDOW	10:30 p.m. – 5:00 a.m.	5 minutes
Indonesia Stock Index USD	\$IDDOWD	24 hours a day	5 minutes
Japan Stock Index	\$JPDOW	10:00 p.m. – 2:30 a.m.	15 seconds
Japan Stock Index USD	\$JPDOWD	24 hours a day	15 seconds
Malaysia Stock Index	\$MYDOW	9:00 p.m. – 5:00 a.m.	15 seconds
Malaysia Stock Index USD	\$MYDOWD	24 hours a day	15 seconds
New Zealand Stock Index	\$NZDOW	4:00 p.m. – 1:30 a.m.	5 minutes
New Zealand Stock Index USD	\$NZDOWD	24 hours a day	5 minutes
Philippines Stock Index	\$PHDOW	9:30 p.m. – 12:00 a.m.	5 minutes
Philippines Stock Index USD	\$PHDOWD	24 hours a day	5 minutes
Singapore Stock Index	\$SGDOW	9:00 p.m. – 5:00 a.m.	5 minutes
Singapore Stock Index USD	\$SGDOWD	24 hours a day	5 minutes
South Korea Stock Index	\$KRDOW	8:30 p.m. – 2:40 a.m.	5 minutes
South Korea Stock Index USD	\$KRDOWD	24 hours a day	5 minutes

Index Description	Symbol	Disseminated	Interval
Taiwan Stock Index	\$TWDOW	9:00 p.m. – 12:00 a.m.	15 seconds
Taiwan Stock Index USD	\$TWDOWD	24 hours a day	15 seconds
Thailand Stock Index	\$THDOW	11:00 p.m. – 5:30 a.m.	15 seconds
Thailand Stock Index USD	\$THDOWD	24 hours a day	15 seconds

Dow Jones Americas Region Market Sector Indexes

The indexes in the table below are disseminated 24 hours a day a day at five minute intervals.

Index	Symbol
Americas Basic Materials Stock Index	\$A1BSC
Americas Consumer Cyclical Stock Index	\$A1CYC
Americas Consumer Non-Cyclical Stock Index	\$A1NCY
Americas Energy Stock Index	\$A1ENE
Americas Financial Stock Index	\$A1FIN
Americas Independents Stock Index	\$A1MCG
Americas Industrial Stock Index	\$A1IDU
Americas Technology Stock Index	\$A1TEC
Americas Utilities Stock Index	\$A1UTI

Dow Jones European Region Market Sector Indexes

The indexes in the table below are disseminated 24 hours a day at five minute intervals.

Index	Symbol
Europe Basic Materials Stock Index	\$E1BSC
Europe Basic Materials Stock Index Excluding UK	\$E2BSC
Europe Consumer Cyclical Stock Index	\$E1CYC
Europe Consumer Cyclical Stock Index Excluding UK	\$E2CYC
Europe Consumer Non-Cyclical Stock Index	\$E1NCY
Europe Consumer Non-Cyclical Stock Index Excluding UK	\$E2NCY
Europe Energy Stock Index	\$E1ENE
Europe Energy Stock Index Excluding UK	\$E2ENE
Europe Financial Stock Index	\$E1FIN
Europe Financial Stock Index Excluding UK	\$E2FIN
Europe Independents Stock Index	\$E1MCG
Europe Independents Stock Index Excluding UK	\$E2MCG
Europe Industrial Stock Index	\$E1IDU
Europe Industrial Stock Index Excluding UK	\$E2IDU
Europe Technology Stock Index	\$E1TEC

Index	Symbol
Europe Technology Stock Index Excluding UK	\$E2TEC
Europe Utilities Stock Index	\$E1UTI
Europe Utilities Stock Index Excluding UK	\$E2UTI

Dow Jones Asia and Pacific Region Market Sector Indexes

The indexes in the table below are disseminated 24 hours a day at five minute intervals.

Index	Symbol
Pacific Basic Materials Stock Index	\$P1BSC
Pacific Basic Materials Stock Index Excluding Japan	\$P2BSC
Pacific Consumer Cyclical Stock Index	\$P1CYC
Pacific Consumer Cyclical Stock Index Excluding Japan	\$P2CYC
Pacific Consumer Non-Cyclical Stock Index	\$P1NCY
Pacific Consumer Non-Cyclical Stock Index Excluding Japan	\$P2NCY
Pacific Energy Stock Index	\$P1ENE
Pacific Energy Stock Index Excluding Japan	\$P2ENE
Pacific Financial Stock Index	\$P1FIN
Pacific Financial Stock Index Excluding Japan	\$P2FIN
Pacific Independents Stock Index	\$P1MCG
Pacific Independents Stock Index Excluding Japan	\$P2MCG
Pacific Industrial Stock Index	\$P1IDU
Pacific Industrial Stock Index Excluding Japan	\$P2IDU
Pacific Technology Stock Index	\$P1TEC
Pacific Technology Stock Index Excluding Japan	\$P2TEC
Pacific Utilities Stock Index	\$P1UTI
Pacific Utilities Stock Index Excluding Japan	\$P2UTI

Dow Jones World Market Sector Indexes

The indexes in the table below are disseminated 24 hours a day at five minute intervals.

Index	Symbol
World Basic Materials Stock Index	\$W1BSC
World Basic Materials Stock Index Excluding US	\$W2BSC
World Consumer Cyclical Stock Index	\$W1CYC
World Consumer Cyclical Stock Index Excluding US	\$W2CYC
World Consumer Non-Cyclical Stock Index	\$W1NCY
World Consumer Non-Cyclical Stock Index Excluding US	\$W2NCY
World Energy Stock Index	\$W1ENE
World Energy Stock Index Excluding US	\$W2ENE
World Financial Stock Index	\$W1FIN
World Financial Stock Index Excluding US	\$W2FIN
World Independents Stock Index	\$W1MCG
World Independents Stock Index Excluding US	\$W2MCG
World Industrial Stock Index	\$W1IDU
World Industrial Stock Index Excluding US	\$W2IDU
World Technology Stock Index	\$W1TEC
World Technology Stock Index Excluding US	\$W2TEC
World Utilities Stock Index	\$W1UTI
World Utilities Stock Index Excluding US	\$W2UTI

Dow Jones Internet Indexes

The indexes in the table below are disseminated from 9:30 a.m. to 4:00 p.m. Eastern time at 15 second intervals.

Index	Symbol
Composite Internet Index	\$DJINET
Internet Service Index	\$DJISVC
Internet Commerce Index	\$DJECOM

Dow Jones Extra Liquid Indexes

The indexes in the table below are sent out once every 15 seconds.

Index Description	Symbol	Disseminated:
Australia Extra Liquid Index	\$XLAUS	8:00 p.m. – 2:00 a.m.
Canadian Extra Liquid Index	\$XLCAN	9:30 a.m. – 5:15 p.m.
Hong Kong Extra Liquid Index	\$XLHK	9:00 p.m. – 3:00 a.m.
Japan Extra Liquid Index	\$XLJPN	7:00 p.m. – 1:00 a.m.

Dow Jones Islamic Market Indexes

The indexes in the table below are sent out once every 5 minutes.

Index Description	Symbol	Disseminated:
Islamic Market Index	\$DJIM	24 hours a day
Islamic Market U.S. Index	\$IMUS	9:30 a.m. – 5:15 p.m.
Islamic Market Technology Index	\$IMTEC	24 hours a day
Islamic Canadian Index	\$IMCAN	24 hours a day
Islamic Extra Liquid Index	\$IMXL	24 hours a day
Islamic Market UK Index	\$IMUK	24 hours a day
Islamic Market Europe Index	\$IMEU	24 hours a day
Islamic Market Asia/Pacific Index	\$IMAP	24 hours a day

Dow Jones Titans Indexes

Index	Symbol	Disseminated:	Interval:
Global Titans Index	\$DJGT	24 hours a day	1 minute
Asian Titans Index	\$DJAT	24 hours a day	15 seconds

Dow Jones Sustainability Indexes - World

Index Description	Symbol	Disseminated:	Interval:
World Index Composite	\$W1SGI	24 hours a day	5 minutes
World Index Excluding Alcohol	\$W1XAL	End of Day	
World Index Excluding Gambling	\$W1XGA	End of Day	
World Index Excluding Tobacco	\$W1XTO	End of Day	
World Index Excluding Tobacco, Alcohol, and Gambling	\$W1SUS	End of Day	

Dow Jones Sustainability Indexes - Americas

Index Description	Symbol	Disseminated:	Interval:
Americas Index Composite	\$A1SGI	24 hours a day	5 minutes
Americas Index Excluding Alcohol	\$A1XAL	End of Day	
Americas Index Excluding Gambling	\$A1XGA	End of Day	
Americas Index Excluding Tobacco	\$A1XTO	End of Day	
Americas Index Excluding Tobacco, Alcohol, and Gambling	\$A1SUS	End of Day	

Dow Jones Sustainability Indexes – Asia and Pacific

Index Description	Symbol	Disseminated:	Interval:
Asia/Pacific Index Composite	\$P1SGI	24 hours a day	5 minutes
Asia/Pacific Index Excluding Alcohol	\$P1XAL	End of Day	
Asia/Pacific Index Excluding Gambling	\$P1XGA	End of Day	
Asia/Pacific Index Excluding Tobacco	\$P1XTO	End of Day	
Asia/Pacific Index Excluding Tobacco, Alcohol, and Gambling	\$P1SUS	End of Day	

Dow Jones Sustainability Indexes - Europe

Index Description	Symbol	Disseminated:	Interval:
Europe Index Composite	\$E1SGI	24 hours a day	5 minutes
Europe Index Excluding Alcohol	\$E1XAL	End of Day	
Europe Index Excluding Gambling	\$E1XGA	End of Day	
Europe Index Excluding Tobacco	\$E1XTO	End of Day	
Europe Index Excluding Tobacco, Alcohol, and Gambling	\$E1SUS	End of Day	

Dow Jones Sustainability Indexes - USA

Index Description	Symbol	Disseminated:
USA Index Composite	\$USSGI	End of Day
USA Index Excluding Alcohol	\$USXAL	End of Day
USA Index Excluding Gambling	\$USXGA	End of Day
USA Index Excluding Tobacco	\$USXTO	End of Day
USA Index Excluding Tobacco, Alcohol, and Gambling	\$USSUS	End of Day

Dow Jones Australian Indexes

The indexes in the table below are disseminated from 6:00 p.m. to 12:00 a.m. Eastern time at 15 second intervals.

Index	Symbol
Australian Index	\$DJAU
Australian Small-Cap Index	\$DJAUS
Australian Mid-Cap Index	\$DJAUM
Australian Large-Cap Index	\$DJAUL

1.2.3. World Market Indexes

HyperFeed Technologies has a number of indexes for stock markets around the world. These are listed in the tables below. The European and Asian indexes are updated once a day at approximately 11:00 a.m. Central Time. The Central and South American indexes are updated once a day at approximately 4:00 p.m. Central Time.

1.2.3.1. European and Asian Indexes

Symbol	Comments
\$AEX	AEX General (Netherlands)
\$AORD	All Ordinaries (Australia)
\$CAC	CAC 40 (France)
\$DAX	Deutsche Aktienindex DAX (Germany)
\$FTSE	FTSE 100 (United Kingdom)
\$HIS	Hang Seng Index (Hong Kong)
\$NIKKEI	Nikkei 225 (Japan)
\$NZ40	New Zealand 40 Index
\$SMSI	Madrid General (Spain)
\$SSEC	Shanghai Composite (China)
\$SSMI	Swiss Market (Switzerland)
\$STI	Straits Times Index (Singapore)

1.2.3.2. Central and South American Indexes

Symbol	Comments
\$BVSP	Bovespa (Brazil)
\$IBC	IBC (Venezuela)
\$ISPA	ISPA (Chile)
\$IGRA	Lima General (Peru)
\$IPC	IPC (Mexico)
\$MERVAL	MerVal (Argentina)

1.2.4. Market Statistics for the U.S. and Canada

In the formats that follow, a + (plus sign) is used only as a unit separator, and is not an actual part of the symbol format. The + character is used to make reading the formats easier.

Statistic	NYSE	Other Exchanges	Example
Advances	\$ADV N	\$ADV + Exchange Code	\$ADV A
Declines	\$DEC N	\$DEC + Exchange Code	\$DEC A
Down Volume	\$DVOL	\$DVO + Exchange Code	\$DVO A
Issues Traded	\$ISSU	\$ISS + Exchange Code	\$ISS A
Tick	\$TICK	\$TIC + Exchange Code	\$TIC A
Trin	\$TRIN	\$TRI + Exchange Code	\$TRI A
Up Volume	\$UVOL	\$UVO + Exchange Code	\$UVO A
Volume	\$VOLU	\$VOL + Exchange Code	\$VOL A
Unchanged	\$UNCN	\$UNC + Exchange Code	\$UNC A

Exchange Code	Exchange Name
SE	NASDAQ Small Cap Equities
T	NASDAQ Listed Stocks
TE	Toronto Stock Exchange Equities
TO	Toronto Stock Exchange Options
UE	NASDAQ Bulletin Board (U.S.)
VE	Canadian Venture Exchange. Includes Alberta, Vancouver, and Winnipeg Stock Exchange Equities
X	Philadelphia Stock Exchange
XO	Philadelphia Stock Exchange Options

1.2.5. London Gold Fix

These London Gold Fix prices are updated once a day.

Symbol	Comments
\$LGF	Composite (most recent)
\$LGFA	Morning
\$LGFP	Afternoon

1.2.5.1. Other Gold Prices

Symbol	Comments
\$USGE	Englehard Corporation's base price for industrial gold bullion.
\$USGH	Handy & Harman's base price for gold.

1.2.6. Spreads

Symbol	Comments
\$SPS	The S&P Spread is the difference between the near month and the index of the S&P 500.
\$ND100S	The NASDAQ 100 spread.

1.2.7. TIKI

Symbol	Exchange
\$TIKC	The TICK for the Dow Composite Index
\$TIKI	The TICK for the Dow Jones Industrial Average
\$TIKT	The TICK for the Dow Transportation Index
\$TIKU	The TICK for the Dow Utility Index

1.2.8. American Volume on Regional Exchange

This indicator shows the volume of issues whose primary exchange is the American Stock Exchange on the named exchange.

Symbol	Exchange
\$AVOB	Boston Stock Exchange
\$AVOC	Cincinnati Stock Exchange
\$AVOM	Chicago (Midwest) Stock Exchange
\$AVOP	Pacific Stock Exchange
\$AVOX	Philadelphia Stock Exchange
\$AVOZ	NASDAQ

1.3. Indexes

1.3.1. American Stock Exchange

Index	Symbol
Airline	XAL
Biotechnology	BTK
Biotechnology Index Option Final Settlement Valuation	BTS
Broker/Dealer	XBD
Computer Technology	XCI
EUROTOP 100	EUR
EUROTOP 100 European Expiration	TOP
EUROTOP 100 Index Option Final Settlement Valuation	EUV
Financial Times Actuaries World Index	ERI
Hong Kong 30	HKX
Hong Kong Index and Option	HKO
Hong Kong Reduced Value Option	HKL
Institutional	XII
Institutional Index Option Final Settlement Valuation	XSV
Institutional Open High Low Close	XIA
Institutional Open Settlement	XIH
Institutional Open Settlement	XIO
International Market	ADR
Japan	JPN
Japan Index Option Final Settlement Valuation	JPV
Major Market	XMI
Major Market High Low Open Close Settlement Average	XMA
Major Market High Low Settlement Average	XMH
Major Market Open Close Settlement Average	XMO
Major Market Open Settlement	XMV
Mexico	MXY
Mexico Reduced Value	MXL
Morgan Stanley Consumer Index	CMR
Morgan Stanley Cyclical Index	CYC
Morgan Stanley Healthcare Products Index	RXP
Morgan Stanley Healthcare Providers Index	RXH
Morgan Stanley High-Tech 35	MSH
Morgan Stanley High-Tech 35 Settlement	MVH
Natural Gas	XNG

Index	Symbol
North American Telecommunications	XTC
Oil and Gas	XOI
Pharmaceutical	DRG
Pharmaceutical Index Option Final Settlement Valuation	DRO
Pharmaceutical Reduced Value LEAPS	DGL
S&P Depository Receipts (SPDR) Estimated Cash Amount	SPE
S&P Depository Receipts (SPDR) Net Accumulated Dividend	SXD
S&P Depository Receipts (SPDR) Net Asset Value	SXN
S&P Depository Receipts (SPDR) Quarterly Dividend	SXP
S&P Depository Receipts (SPDR) Shares Outstanding	SXS
S&P Depository Receipts (SPDR) Total Cash per Unit	SPU
S&P Depository Receipts (SPDR) Trades and Quotes	SPY
S&P Depository Receipts (SPDR) Underlying Trading Value	SXV
S&P MidCap 400 Cash per Unit, S&P Depository Receipts (SPDR)	MXU
S&P MidCap 400 Estimated Cash Amount, S&P Depository Receipts (SPDR)	MPE
S&P MidCap 400 Index	MID
S&P MidCap 400 Index Average Open and Close	MIA
S&P MidCap 400 Index Final Settlement Valuation	MIV
S&P MidCap 400 Index Opening Settlement	MDO
S&P MidCap 400 Net Accumulated Dividend, S&P Depository Receipts (SPDR)	MXD
S&P MidCap 400 Net Asset Value, S&P Depository Receipts (SPDR)	MXN
S&P MidCap 400 Shares Excluded, S&P Depository Receipts (SPDR)	OGS
S&P MidCap 400 Shares Outstanding, S&P Depository Receipts (SPDR)	MZS
S&P MidCap 400 Trading Value, S&P Depository Receipts (SPDR)	MXV
S&P MidCap 400, S&P Depository Receipts (SPDR)	MDY
XMI LEAPS Options	XLT

1.3.2. Chicago Board Options Exchange

Index Name	Symbol
Dow Jones Industrial Average	DJX
Dow Jones Transportation Index	DTX
Dow Jones Transportation Index, 2000 LEAP	LDN
Dow Jones Utilities Index	DUX

Index Name	Symbol
Dow Jones Utilities Index, 2000 LEAP	LDU
Interest Rate Composite - Short Term	IRX
Interest Rate Composite - Short Term April	IZD
Interest Rate Composite - Short Term December	IZL
Interest Rate Composite - Short Term February	IZB
Interest Rate Composite - Short Term January	IZA
Interest Rate Composite - Short Term June	IZF
Interest Rate Composite - Short Term March	IZC
Interest Rate Composite - Short Term November	IZK
Interest Rate Composite - Short Term September	IZI
Interest Rate Composite Settlement	SSX
Mexico	MEX
Mexico Reduced Value LEAP	VEX
NASDAQ 100	NDX
Russell 1000	RUI
Russell 2000	RUT
Russell 2000 Average High Low	RHL
Russell 2000 Average High Low Open Close	RUV
Russell 2000 Average Open Close	ORC
Russell 2000 Open Settlement	RLS
Russell 3000	RUA
S&P 100	OEX
S&P 100 Flexible Open Settlement	OET
S&P 100 High Low Daily Average Value	OHL
S&P 100 High Low Open Close Daily Value	OAV
S&P 100 Open Close Daily Average Value	OCO
S&P 100 Reduced Value	OLX
S&P 500	SPX
S&P 500 End of quarter expiration	SPQ
S&P 500 Flexible Open Settlement	SET
S&P 500 High Low Daily Average Value	SHL
S&P 500 High Low Open Close Average Value	SAV
S&P 500 LEAPS	SPL
S&P 500 Open Close Daily Average Value	OCS
S&P 500 Reduced Value	LSY
S&P 500 Reduced Value LEAPS	LSX
S&P Bank	BIX
S&P Barra Growth	SGX
S&P Barra Value	SVX
S&P Chemicals	CEX
S&P Health Care	HCX

Index Name	Symbol
S&P Insurance	IUX
S&P Retail	RLX
S&P Small Cap 600	SML
S&P Transportation	TRX
Technology	TXX
Volatility	VIX

1.3.3. Montreal Stock Exchange

Index Name	Symbol
Canadian Banking	XCB.CA
Canadian Forest Products	XCF.CA
Canadian Industrial Products	XCI.CA
Canadian Mines and Minerals	XCM.CA
Canadian Oil and Gas	XCO.CA
Canadian Utilities	XCU.CA

1.3.4. NASDAQ NMS

Index Name	Symbol
ADR	IXA
Biotechnology	IXBT
Chicago Regional	IXC
Computer	IXCO
Los Angeles Regional	IXL
NASDAQ Financial	IXF
New York Regional	IXN
NMS Composite	NCMP
NMS Industrial	NIND
San Francisco Regional	IXS
Telecommunications	IXTC
Washington, D.C. Regional	IXW

1.3.5. NASDAQ Level 1

Index Name	Symbol
Bank	BANK
Combined Composite	COMP
Industrial	INDS
Insurance	INSR
Other Finance	OFIN
Transportation	TRAN

1.3.6. New York Stock Exchange

Index Name	Symbol
Beta	NHB
Composite	NYA
Utility	NNA

1.3.7. Pacific Stock Exchange

Index Name	Symbol
Technology	PSE
Wilshire Small Cap	WSX

1.3.8. Philadelphia Stock Exchange

Index Name	Symbol
Bank	BKX
Forest and Paper Products	FPP
Forest and Paper Products Settlement	FPS
Gold and Silver	XAU
Kansas City Value Line (arithmetic)	VLE
Over the Counter	XOC
Semiconductor Sector	SOX
Utility	UTY

1.3.9. Toronto Stock Exchange

Index Name	Symbol
TSE 100	TSEV.CA
TSE 300 Communications and Media Group	TSEL.CA

Index Name	Symbol
TSE 300 Composite	TSEA.CA
TSE 300 Conglomerates Group	TSEO.CA
TSE 300 Consumer Products Group	TSEF.CA
TSE 300 Financial Services Group	TSEN.CA
TSE 300 Gold and Silver Group	TSEC.CA
TSE 300 Industrial Products Group	TSEG.CA
TSE 300 Merchandising Group	TSEM.CA
TSE 300 Metals and Minerals Group	TSEB.CA
TSE 300 Oil and Gas Group	TSED.CA
TSE 300 Paper and Forest Products Group	TSEE.CA
TSE 300 Pipelines Group	TSEJ.CA
TSE 300 Real Estate and Construction Group	TSEH.CA
TSE 300 Transportation Group	TSEI.CA
TSE 300 Utilities Group	TSEK.CA
TSE 35	TSTA.CA

1.3.10. Canadian Venture Exchange

Index Name	Symbol
Composite Index	VSEA.CA

1.4. Other Indicators

The symbols in this section represent market indicators that are sent out after the close of trading.

1.4.1. Trading Volume

Indicator	Symbol
After hours trading, New York volume	\$AHTN
New York Basket Session	\$BSVN
New York Domestic Bond (cash amount of bonds traded)	\$NDBV
Regular trading hours volume (New York closing volume)	\$RTHV

1.4.2. Block Trades (5000 Shares and Greater)

Exchange	Symbol
American Stock Exchange	\$BLKA
NASDAQ	\$BLKT
New York Stock Exchange	\$BLOK

1.4.3. Odd Lot Sales at NYSE

Indicator	Symbol
Customer Purchases	\$CPPN
Other Sales	\$COSN
Short Sales	\$CSSN
Total Sales	\$TOSN

1.4.4. Bond Indexes

Index	Symbol
Dow Jones average of 10 industrial bonds	\$DJBI
Dow Jones average of 10 public utility bonds	\$DJBU
Dow Jones Bond Average, 20 bonds	\$DJBB
Dow Jones Equity Markets	\$DJEM

1.4.5. Miscellaneous Indicators

Index	Symbol
Wilshire Index	\$WILS

1.4.6. New Highs

Exchange	Symbol
AMEX	\$NHIA
NMS (NASDAQ)	\$NHIT
NYSE	\$NHIN

1.4.7. New Lows

Exchange	Symbol
AMEX	\$NLOA
NMS (NASDAQ)	\$NLOT
NYSE	\$NLON

1.4.8. S&P Indexes

Index	Symbol
S&P Financial Index	\$QSXF
S&P Industrial Index	\$QSXI
S&P Transportation Index	\$QSXT
S&P Utility Index	\$QSXU

1.5. Commodity Symbols

The formats used to enter commodity and commodity option symbols are listed with the other symbol formats (see page 5).

1.5.1. Commodity Exchange Abbreviations

The commodity exchange abbreviations listed in the table below are used to describe where each commodity symbol is traded. The abbreviation is not used to retrieve each commodity symbol.

Exchange	Abbreviation
Chicago Board of Trade	CBOT
Chicago Mercantile Exchange	CME
Chicago Mercantile Exchange, Index & Option Market	CME-IOM
Chicago Mercantile Exchange, International Monetary Market	CME-IMM
Coffee, Sugar & Cocoa Exchange	CSCE
Commodity Exchange, Inc.	COMEX or CEC
MidAmerica Commodity Exchange (includes Chicago Rice & Cotton Exchange)	MIDAM
New York Cotton Exchange	NYCE
New York Futures Exchange	NYFE
New York Mercantile Exchange	NYMEX
Alliance/CBOT/Eurex	a/c/e

1.5.2. Commodity Volumes

The Chicago Mercantile Exchange reports estimated intra-day volumes. At the end of the day an estimated total volume is reported. The official total volume is reported by 7:30 am Central Time the next morning.

The Chicago Board of Trade reports the official total volume between noon and 1 p.m. Central Time the next day.

All other Commodity Exchanges report the official total volume by noon Central Time the next day.

1.5.3. List of Commodity and Commodity Option Symbols

Commodity	Symbol	Option Symbol	Spot or Index
Agency Notes, 10 year CBOT mar/jun/sep/dec	DN	ODN	
Agency Notes, 10 year a/c/e mar/jun/sep/dec	AN	OAN	
Agency Notes, 5 year CBOT mar/jun/sep/dec	DF	ODF	
Agency Notes, 5 year a/c/e mar/jun/sep/dec	AF	OAF	
Aluminum CEC All months	AL	AL	
Ammonia, Anhydrous CBOT All months	NZ		
Argentina Par Brady Bond CME mar/jun/sep/dec	AX	AX	
Argentine FRB Bond CME mar/jun/sep/dec	AT		
Australian Dollar CME-IMM and Globex mar/jun/sep/dec plus serial months for options	AD	AD	ADY
Australian Dollar, All or None CME mar/jun/sep/dec	LA		

Commodity	Symbol	Option Symbol	Spot or Index
Australian Dollar MIDAM mar/jun/sep/dec	XG		
Australian Dollar – US Dollar Currency Pair CEC mar/jun/sep/dec plus 2 nearest months for options	AU	AU	
Bankruptcy, Quarterly CME mar/jun/sep/dec	QB		
Boneless Beef CME feb/mar/apr/jun/aug/sep/oct/dec	BB		
Boneless Beef, Trim CME feb/apr/jun/aug/oct/dec	TR	TR	
Brazilian C Bond CME mar/jun/sep/dec	BA	BA	
Brazilian C Bond CME mar/jun/sep/dec	CB	CB	
Brazilian EI Bond CME mar/sep/dec	BE	BE	
Brazilian Real CME and Globex monthly	BR	BR	BRY
British Pound CME-IMM and Globex mar/jun/sep/dec plus serial months for options	BP	BP	BPY
British Pound MIDAM mar/jun/sep/dec	XP		
British Pound - Deutsche Mark Currency Cross Rates CME mar/jun/sep/dec	IP	IP	

Commodity	Symbol	Option Symbol	Spot or Index
British Pound - Deutsche Mark Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	MQ	MQ	
British Pound – Japanese Yen Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	SY	SY	
British Pound - U.S. Dollar Currency Pair NYCE mar/jun/sep/dec plus 2 nearest months for options	YP	YP	
British Pound, Rolling Spot CME	RP		
Butter CEC monthly	BW	BW	
Butter CME feb/mar/may/jul/sep/nov	DB	DB	DBY
Canadian Dollar CME-IMM and Globex mar/jun/sep/dec plus serial months for options	CD	CD	CDY
Canadian Dollar MIDAM mar/jun/sep/dec	XD		
Canadian Dollar – US Dollar Currency Pair NYCE mar/jun/sep/dec plus 2 nearest months for options	YD		
Cattle, Feeder CME and Globex jan/mar/apr/may/aug/sep/oct	FC	FC	ICX
Cattle, Feeder, Index CME	IF		
Cattle, Live CME feb/apr/jun/aug/oct/dec	LC	LC	

Commodity	Symbol	Option Symbol	Spot or Index
Cattle, Live MIDAM feb/apr/jun/aug/oct/dec	XL		
Cattle, Stocker CME Monthly	ST	ST	STY
Cheese, Cheddar CME	DC	DC	DCY
Cheese, Cheddar CSCE monthly	EZ	EZ	
Cocoa CSCE mar/may/jul/sep/nov/dec	CC	CC	
Coffee "C" CSCE mar/may/jul/sep/dec and serial months for options	KC	KC	
Copper, High Grade COMEX All months	HG	HG	
Corn CBOT mar/may/jul/sep/dec	C	CO	
Corn a/c/e mar/may/jul/sep/dec	ZC	OZC	
Corn MIDAM mar/may/jul/sep/dec	XC	XC	
Corn Yield Insurance, Illinois CBOT	YG	YG	
Corn Yield Insurance, Indiana CBOT	YH	YH	
Corn Yield Insurance, Iowa CBOT jan/sep/oct/nov	CA	CA	
Corn Yield Insurance, Nebraska CBOT	YI	YI	
Corn Yield Insurance, Ohio CBOT	YJ	YJ	

Commodity	Symbol	Option Symbol	Spot or Index
Corn Yield Insurance, U.S. CBOT jan/sep/oct/nov	YC	YC	
Corn Yield, Iowa CBOT	IC	IC	
Cotton, No. 2 CSCE mar/may/jul/oct/nov/dec	CT	CT	
CRB Index NYFE jan/feb/nov	CB		
CRB Price Index NYFE	RC	RC	RCA, RCY
Deutsche Mark CME-IMM and Globex mar/jun/sep/dec plus serial months for options	DM	DM	DMY
Deutsche Mark, Large Lot CME-IMM mar/jun/sep/dec	LD		
Deutsche Mark MIDAM mar/jun/sep/dec	XM		
Deutsche Mark - French Franc Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	MF	MF	
Deutsche Mark - Italian Lira Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	ML	ML	
Deutsche Mark - Japanese Yen Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	MY	MY	

Commodity	Symbol	Option Symbol	Spot or Index
Deutsche Mark - Japanese Yen Currency Cross Rates CME-IMM and Globex mar/jun/sep/dec and serial months for options Yen-settled	DJ	DJ	
Deutsche Mark – Spanish Peseta Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	MT	MT	
Deutsche Mark - Swedish Krona Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	MK	MK	
Deutsche Mark – Swiss Franc Currency Cross Rates NYCE mar/jun/sep/dec plus 2 nearest months for options	MH	MH	
Deutsche Mark – US Dollar Currency Pair NYCE mar/jun/sep/dec plus 2 nearest months for options	YM	YM	
Deutsche Mark Currency Forward CME 1 st year monthly 2 nd year mar/jun/sep/dec	FM		
Deutsche Mark, Rolling Spot CME mar/jun/sep/dec	RD		
Diammonium Phosphate CBOT monthly	FZ		
Dow Jones AIG Index CBOT mar/jun/sep/dec	DS	DS	
Dow Jones AIG Index a/c/e mar/jun/sep/dec	AI	OAI	

Commodity	Symbol	Option Symbol	Spot or Index
Dow Jones Composite Average CBOT mar/jun/sep/dec	DE	DE	
Dow Jones Composite Internet Index CBOT mar/jun/sep/dec	DW	DW	
Dow Jones Composite Internet Index a/c/e mar/jun/sep/dec	ZP	OZP	
Dow Jones Composite Average a/c/e mar/jun/sep/dec	DC	ODC	
Dow Jones Global Titans CBOT mar/jun/sep/dec	DD	DD	
Dow Jones Global Titans a/c/e mar/jun/sep/dec	PI	OPI	
Dow Jones Industrial Average CBOT mar/jun/sep/dec	DI	DI	
Dow Jones Industrial Average Project A mar/jun/sep/dec	ZD	OZD	
Dow Jones Transportation Average CBOT mar/jun/sep/dec	DQ	DQ	
Dow Jones Transportation Average a/c/e mar/jun/sep/dec	DT	ODT	
Dow Jones Utility Average CBOT mar/jun/sep/dec	DR	DR	
Dow Jones Utility Average a/c/e mar/jun/sep/dec	DU	ODU	
Edible Oils Index, International CBOT broadcast at 7:00am only during last 5 days prior to expiration	VO		

Commodity	Symbol	Option Symbol	Spot or Index
Electricity, California and Oregon Border NYMEX All months	MC	MC	
Electricity, Cinergy NYMEX All months	CN	CN	
Electricity, Commonwealth Edison CBOT All months	BZ		
Electricity, Entergy NYMEX All months	NT	NT	
Electricity, Palo Verde NYMEX All months	KP	KP	
Electricity, TVA CBOT All months	TV		
Emerging Market Bond Index NYCE Monthly	LX		
Euro CME mar/jun/sep/dec	EC	EC	ECY
Euro, E-Mini Globex mar/jun/sep/dec	EA	EA	
Euro – British Pound Cross Rate CME mar/jun/sep/dec	RP		RPA
Euro – British Pound Cross Rate CEC mar/jun/sep/dec	GB	GB	
Euro – Japanese Yen Cross Rate CME mar/jun/sep/dec	RY		RYY
Euro - Swiss Franc Cross Rate CME mar/jun/sep/dec	RF		RFY
Euro Canada CME mar/jun/sep/dec	KJ	KJ	

Commodity	Symbol	Option Symbol	Spot or Index
Eurodollar CME-IMM mar/jun/sep/dec plus serial months for options	ED	ED	
Eurodollar, One Year Mid-Curve Option CME-IMM		EN	
Eurodollar, Two Year Mid-Curve Option CME-IMM		ET	
Eurodollar, Globex Globex	GE		
Eurodollar MIDAM mar/jun/sep/dec	UD		
Euromark, Three Month CME-IMM mar/jun/sep/dec	EK		
European Currency Unit CEC mar/jun/sep/dec	EU	EU	
Eurotop 100 Index COMEX mar/jun/sep/dec plus serial months for options	ER	ER	ERY
Euroyen, Three Month, TIBOR CME mar/jun/sep/dec	EY	EY	
Euroyen, Three Month, LIBOR CME mar/jun/sep/dec	EL		
Federal Funds, One Month CME and Globex current month plus next 6 months	FT		FTY
French Franc CME-IMM mar/jun/sep/dec	FR	FR	FRY
Gasoline, Gulf Coast, Unleaded NYMEX All months	GU		
Gasoline, Unleaded, New York Harbor NYMEX All months	HU	HU	

Commodity	Symbol	Option Symbol	Spot or Index
Gold, 1 Kilo CBOT All months	KI		
Gold, 1 Kilo a/c/e All months	ZH		
Gold, 100 oz. CBOT Monthly	GH		
Gold, 100 troy oz. COMEX feb/apr/aug/oct, current month, and next 2 months	GC	GC	
Gold, NY 33.2 troy oz. MIDAM All months	XK	XK	
Goldman Sachs Commodity Index(GSCI) CME-IOM and Globex Monthly	GI	GI	
GSCI Agricultural Sub-index CME-IOM	GK		
GSCI Energy Sub-index CME-IOM	GJ		
GSCI Nearby Sub-index CME	GN		
GSCI Industrial Metals Sub-index CME-IOM	GY		
GSCI Livestock Sub-index CME-IOM	GV		
GSCI Precious Metals Sub-index CME-IOM	GP		
GSCI Total Return Sub-index CME-IOM	GT		
Heating Oil, No. 2 NYMEX All months	HO	HO	
Hogs, Lean CME feb/apr/jun/jul/aug/oct/dec	LH	LH	
Hogs, Lean, Index CME	IH		

Commodity	Symbol	Option Symbol	Spot or Index
Hogs, Live MIDAM feb/apr/jun/jul/aug/oct/dec	XH		
Indonesian Rupiah – US Dollar Currency Pair NYCE mar/jun/sep/dec	RH		
Insurance, Catastrophe, Eastern CBOT mar/jun/sep/dec	UE		
Insurance, Midwest Small Cap PCS CBOT mar/jun/sep/dec		HD	
Insurance, Eastern Small Cap PCS CBOT mar/jun/sep/dec		HE	
Insurance, National Small Cap PCS CBOT mar/jun/sep/dec		HH	
Insurance, California Small Cap PCS CBOT mar/jun/sep/dec		HQ	
Insurance, Northeastern Small Cap PCS CBOT mar/jun/sep/dec		HR	
Insurance, Southeastern Small Cap PCS CBOT mar/jun/sep/dec		HS	
Insurance, Western Small Cap PCS CBOT mar/jun/sep/dec		HW	
Insurance, National ANN. Large Cap PCS CBOT mar/jun/sep/dec		KH	
Insurance, Southeastern Large Cap PCS CBOT mar/jun/sep/dec		KS	
Federal Funds(used to be Interest Rate), 30 Day CBOT monthly	FF		FFY

Commodity	Symbol	Option Symbol	Spot or Index
Federal Funds, 30 Day a/c/e monthly	ZQ		
IPC Stock Index CME mar/jun/sep/dec and serial months for options	MX	MX	
Japanese Yen CME-IMM mar/jun/sep/dec plus serial months for options	JY	JY	JYA, JYY
Japanese Yen, E-Mini Globex mar/jun/sep/dec plus serial months for options	JA	JA	
Japanese Yen MIDAM mar/jun/sep/dec	XJ		
Japanese Yen, Rolling Spot CME mar/jun/sep/dec	RY		
Libor, One Month CME and Globex 3 months in mar/jun/sep/dec cycle plus 4 additional serial months	EM	EM	
Lumber, Random Length CME jan/mar/may/jul/sep/nov	LB	LB	
Major Market Index CME aug/sep/oct/nov/dec/mar	BC	BC	
Major Market Index CME	MM		
Malaysian Ringgit – US Dollar Currency Pair NYCE mar/jun/sep/dec plus 2 nearest months for options	RM		
Mexican CETES CME mar/jun/sep/dec	TS		

Commodity	Symbol	Option Symbol	Spot or Index
Mexican Par Bonds CME mar/jun/sep/dec	MN	MN	
Mexican Peso, New CME and Globex mar/jun/sep/dec and serial months for options	MP	MP	MPY
Mexico Brady Index CBOT mar/jun/sep/dec	BX		
Milk CSCE All months	MI	MI	
Milk, Basic Formula Price CME All months	DA	DA	
Milk, Nonfat Dry CSCE All months	MU	MU	
Municipal Bond Index, Long Term CBOT mar/jun/sep/dec and serial months for options	MB	MB	MBA, MBY
Municipal Bond Index a/c/e mar/jun/sep/dec and serial months for options	ZU	OZU	
NASDAQ 100 Index CME mar/jun/sep/dec	ND	ND	IQX
NASDAQ 100 Index, E-Mini Globex mar/jun/sep/dec	NQ		
Natural Gas, Henry Hub NYMEX All months	NG	NG	
Natural Gas, Alberta NYMEX All months	NC		
Natural Gas, Permian Basin NYMEX All months	NP		

Commodity	Symbol	Option Symbol	Spot or Index
New Zealand – US Dollar Currency Pair NYCE mar/jun/sep/dec plus 2 nearest months for options	ZX	ZX	
New Zealand Dollar CME mar/jun/sep/dec	NE		
NIKKEI 225 Index CME mar/jun/sep/dec	NK	NK	
NYSE Large Composite Index NYFE mar/jun/sep/dec	YL		
NYSE Small Composite Index NYFE mar/jun/sep/dec	YS		
NYSE Composite Index NYFE mar/jun/sep/dec	YX	YX	YXA, YXY
Oats CBOT mar/may/jul/sep/dec	O	OO	
Oats a/c/e mar/may/jul/sep/dec	ZO	OZO	
Oats MIDAM mar/may/jul/sep/dec	XO		
Oil, Light Sweet Crude NYMEX All months	CL	CL	
Oil, Sour Crude NYMEX All months	SC	SC	
Orange Juice, Frozen Concentrated CSCE jan/mar/may/jul/sep/nov plus serial months for options	OJ	OJ	OJY
Oriented Strand Board CME jan/sep/nov	BD	BD	

Commodity	Symbol	Option Symbol	Spot or Index
Palladium NYMEX mar/jun/sep/dec and next two months	PA		
Platinum NYMEX jan/apr/jul/oct, current month, and next two months	PL	PL	
Platinum MIDAM current month & jan/apr/jul/oct	XU		
Pork Bellies, Frozen CME and Globex feb/mar/may/jul/aug	PB	PB	IBX
Pork Bellies, Fresh CME jan/sep/nove	FB	FB	
Pork, Cutouts CME Monthly	PC		
Potatoes NYCE jan/mar/may/jul/sep/nov	PT	PT	
Propane NYMEX All months	PN		
PSE Technology Index NYFE mar/jun/sep/dec and serial months for options	TK	TK	TKY
Rice, Rough CBOT jan/mar/may/jul/sep/nov	RR	RR	
Rice, Rough a/c/e jan/mar/may/jul/sep/nov	ZR	OZR	
Russell 1000 Index CEC mar/jun/sep/dec	R	R	
Russell 2000 Index CME and Globex mar/jun/sep/dec	RL		

Commodity	Symbol	Option Symbol	Spot or Index
Russian Ruble CME mar/jun/sep/dec	RU		RUA, RUY
S&P 100 Index CME-IOM	OE		
S&P 400 MidCap Index CME-IOM and Globex mar/jun/sep/dec plus serial months for options	MD	MD	IDX
S&P 500 Index CME-IOM and Globex mar/jun/sep/dec	SP	SP	INX
S&P 500 Stock Index, E-Mini Globex mar/jun/sep/dec	ES	ES	
S&P Barra Growth Index CME and Globex mar/jun/sep/dec	SG		
S&P Barra Value Index CME and Globex mar/jun/sep/dec	SU		
Silver, 1000 oz. CBOT feb/apr/jun/aug/oct/dec	AG	AG	
Silver, 5000 oz. COMEX jan/mar/may/jul/sep/dec	SI	SI	
Silver, 5000 oz. CBOT All months	SV	SV	
Silver, 5000 oz. a/c/e All months	ZV		
Silver, New York MIDAM All months	XY		
Singapore Dollar – US Dollar Currency Pair NYCE mar/jun/sep/dec plus 2 nearest months for options	DG		

Commodity	Symbol	Option Symbol	Spot or Index
South African Rand CME All months	RA		
South African Rand – US Dollar Currency Cross Rate NYCE mar/jun/sep/dec plus 2 nearest months for options	ZR	ZR	
Soybean Meal CBOT jan/mar/may/jul/ aug/sep/oct/dec	SM	SM	
Soybean Meal a/c/e jan/mar/may/jul/ aug/sep/oct/dec	ZM	OZM	
Soybean Meal MIDAM jan/mar/may/jul/ aug/sep/oct/dec	XE		
Soybean Oil CBOT jan/mar/may/jul/ aug/sep/oct/dec	BO	BO	
Soybean Oil a/c/e jan/mar/may/jul/ aug/sep/oct/dec	ZL	OZL	
Soybean Oil MIDAM jan/mar/may/jul/aug/sep/oct/dec	XR	XR	
Soybeans CBOT jan/mar/may/jul/aug/sep/nov	S	SO	
Soybeans a/c/e jan/mar/may/jul/aug/sep/nov	ZS	OZS	
Soybeans MIDAM jan/mar/may/jul/aug/sep/nov	XS	XS	
Sugar, No. 11 World CSCE mar/may/jul/oct plus serial months for options	SB	SB	
Sugar, No. 14 Domestic CSCE jan/mar/may/jul/sep/nov	SE		

Commodity	Symbol	Option Symbol	Spot or Index
Sugar, White, World CSCE mar/may/jul/oct/dec	WS		
Swiss Franc CME-IMM and Globex mar/jun/sep/dec plus serial months for options	SF	SF	SFA, SFY
Swiss Franc MIDAM mar/jun/sep/dec	XF		
Swiss Franc – US Dollar Cross Rate NYCE mar/jun/sep/dec plus 2 nearest months for options	YF	YF	
Taiwan Index CME and Globex mar/jun/sep/dec and serial months for options	TD		
Treasury Bills, U.S., 90 Day CME-IMM and Globex mar/jun/sep/dec	TB		
Treasury Bills, U.S., 90 Day MIDAM mar/jun/sep/dec	XT		
Treasury Bonds, U.S. MIDAM mar/jun/sep/dec and serial months for options	XB	XB	
Treasury Bonds, U.S., Long-Term, 15-30 year CBOT mar/jun/sep/dec and serial months for options	US	UO	
Treasury Bonds, U.S., Long-Term, 15-30 year a/c/e mar/jun/sep/dec and serial months for options	ZB	OZB	
Treasury Bonds, U.S., Cantor mar/jun/sep/dec	Z		
Treasury Notes, U.S., 10 Year CBOT mar/jun/sep/dec	TY	TY	

Commodity	Symbol	Option Symbol	Spot or Index
Treasury Notes, U.S., 10 Year a/c/e mar/jun/sep/dec	ZN	OZN	
Treasury Notes, U.S., 10 Year MIDAM mar/jun/sep/dec	XN		
Treasury Notes, U.S., 10 Year CEC mar/jun/sep/dec	T		
Treasury Notes, U.S., 10 Year Cantor mar/jun/sep/dec	Y		
Treasury Notes, U.S., 2 Year CBOT mar/jun/sep/dec and serial months for options	TU	TU	
Treasury Notes, U.S., 2 Year a/c/e mar/jun/sep/dec	ZT	OZT	
Treasury Notes, U.S., 2 Year Cantor mar/jun/sep/dec	V		
Treasury Notes, U.S., 5 Year CBOT mar/jun/sep/dec and serial months for options	FV	FV	
Treasury Notes, U.S., 5 Year a/c/e mar/jun/sep/dec and serial months for options	ZF	OZF	
Treasury Notes, U.S., 5 Year NYCE mar/jun/sep/dec and 2 nearest months	F		
Treasury Notes, U.S., 5 Year Cantor mar/jun/sep/dec	X		
Treasury Notes, U.S., 5 Year CEC mar/jun/sep/dec	FY		
Treasury Note, 2 Year Project A mar/jun/sep/dec	ZT		

Commodity	Symbol	Option Symbol	Spot or Index
U.S. Dollar - Japanese Yen Currency Pair NYCE mar/jun/sep/dec plus 2 nearest months for options	YY	YY	
U.S. Dollar Index NYCE mar/jun/sep/dec plus serial months for options	DX	DX	DXY
Weather, Atlanta, Cooling Degree Day CME Monthly	KA	KA	
Weather, Atlanta, Heating Degree Day CME Monthly	HA	HA	
Weather, Chicago, Cooling Degree Day CME Monthly	KL	KL	
Weather, Chicago, Heating Degree Day CME Monthly	HL	HL	
Weather, Cincinnati, Cooling Degree Day CME Monthly	KM	KM	
Weather, Cincinnati, Heating Degree Day CME Monthly	HM	HM	
Weather, New York, Cooling Degree Day CME Monthly	KY	KY	
Weather, New York, Heating Degree Day CME Monthly	HY	HY	
Wheat CBOT mar/may/jul/sep/dec	W	WO	
Wheat a/c/e mar/may/jul/sep/dec	ZW	OZW	
Wheat MIDAM mar/may/jul/sep/dec	XW	XW	

Commodity	Symbol	Option Symbol	Spot or Index
Whey, Dry CME	DY		

1.5.4. Theoretical Spot Currency Rates

Enter the symbol as shown in the table below.

Currency	Symbol
Australian Dollar	/QUY
Canadian Dollar	/QDY
Deutsch Mark	/QMY
Japanese Yen	/QJY
Swiss Franc	/QSY

1.5.5. Theoretical Currency Cross Rates

Enter the symbol as shown in the table below.

Currency	Symbol
British Pound per Deutsche Mark	/QEY
British Pound per Japanese Yen	/QGY
British Pound per Swiss Franc	/QFY
Swiss Franc per Japanese Yen	/QKY
Swiss Franc per Deutsche Mark	/QHY

1.5.6. Currency Options: Philadelphia Stock Exchange

Symbol Format (same as equity option format): . + **SYMBOL** + **Month Code** + **Strike Price Code**

Currency and Option Style	Symbol
Australian Dollar, American style expiration	XAD
Australian Dollar, end of month American style expiration	ADW
Australian Dollar, end of month European style expiration	EDA
Australian Dollar, European style expiration	CAD
British Pound, American style expiration	XBP
British Pound, end of month American style expiration	BPW
British Pound, end of month European style expiration	EBP
British Pound, European style expiration	CBP
British Pound, European style expiration, long term	YPX
British Pound/Deutsche Mark Cross Rate, American style expiration	PMX
British Pound/Deutsche Mark Cross Rate, end of month American style expiration	PMW
Canadian Dollar, American style expiration	XCD
Canadian Dollar, end of month American style expiration	CDW
Canadian Dollar, end of month European style expiration	ECD
Canadian Dollar, European style expiration	CCD
Deutsche Mark, American style expiration	XDM
Deutsche Mark, cash settled	XDS
Deutsche Mark, end of month American style expiration	DMW
Deutsche Mark, end of month European style expiration	EDM
Deutsche Mark, European style expiration	CDM
Deutsche Mark, European style expiration, long term	YDM
Deutsche Mark, first Monday expiration	XDA
Deutsche Mark, second Monday expiration	XDB
Deutsche Mark, third Monday expiration	XDC
Deutsche Mark, fourth Monday expiration	XDD
Deutsche Mark, fifth Monday expiration	XDE
Deutsche Mark/Japanese Yen Cross Rate, end of month American style expiration	MYW
Deutsche Mark/Japanese Yen Cross Rate, European style expiration	MYX
European Currency Unit, American style expiration	ECU
European Currency Unit, end of month American style expiration	ECW
French Franc, American style expiration	XFF
French Franc, end of month American style expiration	FFW
French Franc, end of month European style expiration	EFF

Currency and Option Style	Symbol
French Franc, European style expiration	CFF
French Franc, European style expiration, long term	YFF
Japanese Yen, American style expiration	XJY
Japanese Yen, end of month American style expiration	JYW
Japanese Yen, end of month European style expiration	EJY
Japanese Yen, European style expiration	CJY
Japanese Yen, European style expiration, long term	YJY
Swiss Franc, American style expiration	XSF
Swiss Franc, end of month American style expiration	SFW
Swiss Franc, end of month European style expiration	ESW
Swiss Franc, European style expiration	CSF