



# Neovest 5.0

For Windows NT/2000/XP

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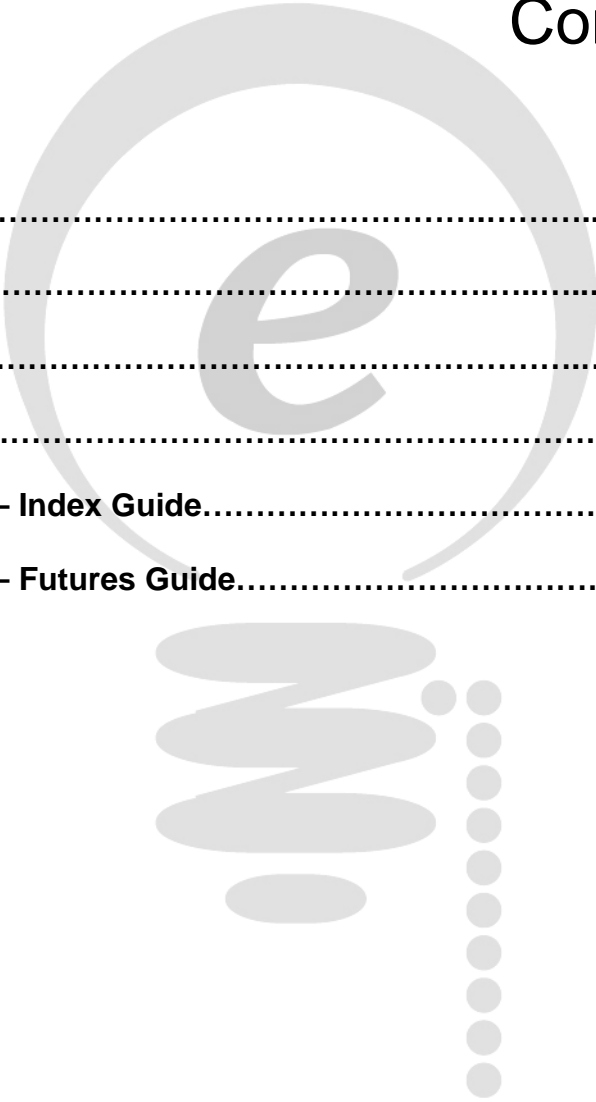
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# Chapter 1

## GroupWatch

### Overview

Neovest 5.0 GroupWatch windows let you display price, net, bid/ask, trade size, volume, and other information on any number of symbols. In addition to this functionality, Neovest 5.0 lets you set high, low, volume, block, stop, news, and other types of alerts on symbols listed in an open GroupWatch window.

### Sections In This Chapter

- GroupWatch Introduction
- Creating a New GroupWatch Window
- GroupWatch Window Components
- Adding and Deleting GroupWatch Symbols
- Changing Column Headers in the GroupWatch Template
- Setting Alerts on GroupWatch Symbols
- Cycling GroupWatch Symbols Through Open Neovest 5.0 Windows

# ***GroupWatch Introduction***

Neovest 5.0 GroupWatch windows are designed to offer maximum flexibility and power in a simple quote display. These windows are used to display price, net, bid/ask, trade size, volume, and other information on any number of symbols.

Neovest 5.0 is only designed to receive data on symbols that are loaded in open windows on your screen. There are, however, two GroupWatch groups called “MyStocks” and “WatchAlerts” that allow you to continually collect data on certain symbols.

With the “MyStocks” group, you must manually enter in this group the symbols on which you wish to continually collect data. With the “WatchAlerts” group, you cannot manually enter symbols in this group. Instead, once you set an alert on a symbol, the symbol is automatically entered in the “WatchAlerts” group and Neovest 5.0 will begin to continually collect data on the symbol.

Keep these two important GroupWatch input groups in mind as you set alerts that require previous market data.

This GroupWatch chapter provides instructions on how to load symbols, change column headers, sort data, and set alerts on GroupWatch symbols in an open Neovest 5.0 GroupWatch window.

## ***Creating a New GroupWatch Window***

Neovest 5.0 provides several pre-installed GroupWatch windows that represent different industries and indexes.

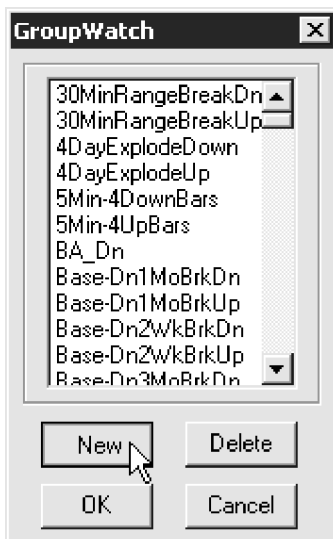
However, you will want to become familiar with creating new GroupWatch windows, naming them, and modifying them to contain the symbols you track and to match your style of trading.

The process of opening and naming a new GroupWatch window is simple:

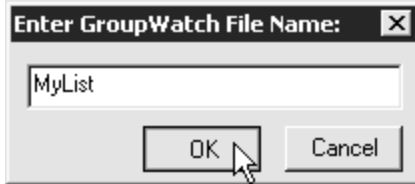
- Select **Open | GroupWatch Alt+G** to access the “GroupWatch” box.



- Click on **New** to access the “Enter GroupWatch File Name” box.



- Enter the name you wish to give the new GroupWatch window, and click **OK**. In this example, the GroupWatch name is “MyList.”



## GroupWatch Window Components

In order to help you understand the various components of Neovest 5.0's GroupWatch window, the following labeled GroupWatch window illustration is provided:

| Group: MyList: 11: LILLY (ELI) [MyList] |       |       |       |       |       |       |       |              |
|---|-------|-------|-------|-------|-------|-------|-------|--------------|
| Templ                                   | SYMBL | Last  | Open  | High  | Low   | Bid   | Ask   | Net          |
|   | AOL   | 12.37 | 13.06 | 13.13 | 12.04 | 12.35 | 12.38 | 22.51M -1.14 |
|   | CAG   | 26.59 | 27.05 | 27.05 | 26.51 | 26.57 | 26.60 | 1.19M -.34   |
|   | CSCO  | 12.52 | 12.85 | 12.95 | 12.45 | 12.52 | 12.53 | 66.06M -.56  |
|   | DELL  | 24.80 | 24.80 | 25.00 | 24.38 | 24.80 | 24.81 | 12.39M -.35  |
|   | HD    | 34.60 | 35.27 | 35.97 | 34.31 | 34.60 | 34.65 | 4.82M -.95   |
|   | IBM   | 68.66 | 67.85 | 69.24 | 67.70 | 68.66 | 68.72 | 7.18M +1.06  |
|   | INTC  | 16.85 | 17.46 | 17.81 | 16.49 | 16.84 | 16.85 | 42.04M -.69  |
|   | K     | 35.59 | 35.88 | 36.10 | 35.59 | 35.59 | 35.60 | 638.6K -.04  |
|   | KM    | .90   | .94   | .95   | .89   | .89   | .90   | 2.21M -.05   |
|   | KO    | 56.32 | 56.95 | 57.20 | 56.15 | 56.31 | 56.36 | 3.27M -.03   |
|   | LLY   | 53.00 | 53.76 | 54.29 | 53.00 | 53.01 | 53.02 | 2.95M -.76   |
|   | LOW   | 43.38 | 44.36 | 44.60 | 43.25 | 43.35 | 43.39 | 2.69M -.98   |
|   | LUV   | 15.02 | 15.32 | 15.63 | 14.93 | 15.01 | 15.03 | 1.52M -.41   |
|   | MSFT  | 52.01 | 52.38 | 52.92 | 51.36 | 52.00 | 52.03 | 21.57M -.64  |
|   | PEP   | 48.07 | 49.00 | 49.13 | 48.03 | 48.06 | 48.11 | 2.82M -.95   |
|   | WMT   | 53.37 | 54.41 | 54.93 | 53.37 | 53.37 | 53.41 | 5.43M -1.03  |

Labels in the illustration: Template (points to the header row), Body (points to the data rows), Tabs (points to the bottom navigation bar).

1. The GroupWatch **template** is made up of individual column headers that may be changed, removed, or rearranged. You may also click on a column header to sort a GroupWatch window based on the column header's data.
2. The GroupWatch **body** contains the symbols that have been added to the GroupWatch window.

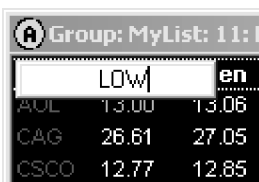
- The GroupWatch **tabs** let you quickly switch between different GroupWatch **templates** to see different symbol information for the same group of symbols. As with the GroupWatch **template**, the GroupWatch **tabs** may be customized to suit your trading needs.

### ***Adding and Deleting GroupWatch Symbols***

Neovest 5.0's GroupWatch window displays price, net, bid/ask, trade size, volume, and other information on any number of symbols. Once you open a Neovest 5.0 GroupWatch window, you may quickly add and delete symbols.

The process of adding a symbol to a GroupWatch window is simple:

- Click in the body of the GroupWatch window in which you wish to add or delete symbols.
- Type the desired symbol name, and press the **Enter** key to add the symbol to the GroupWatch window.



**Note:** The position of the recently added symbol to the GroupWatch window is contingent on the sorting of the individual GroupWatch window.

To delete a symbol from the open GroupWatch window:

- Click on the symbol you wish to delete, and press the **Delete** key.

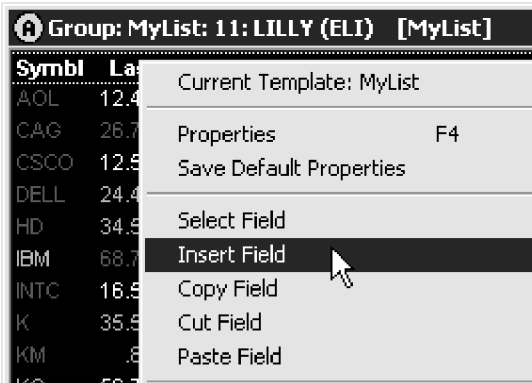
### ***Changing Column Headers in the GroupWatch Template***

Neovest 5.0 lets you manipulate the columns of price and other calculated data (e.g., "Symbol," "Last," "Net," "Trend," etc.) for the open GroupWatch window.

Neovest 5.0's user-friendly interface lets you easily add and remove columns of data, select different column headers, and sort the entire GroupWatch window based on a specific column's data.

The process of adding a new column header to the open GroupWatch window is simple:

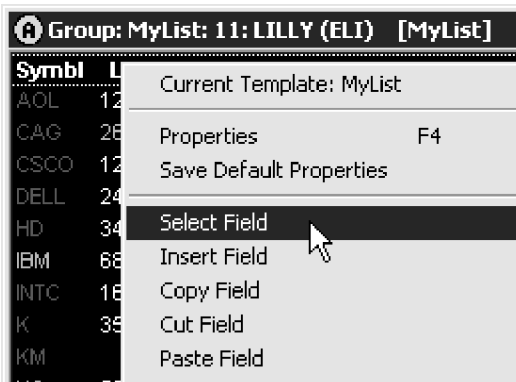
- Click with the right mouse button on the column header next to which you would like to insert a new column header.
- Select **Insert Field** from the menu that appears. (By default, the column header that appears will be a duplicate of the column header on which you clicked with the right mouse button.)



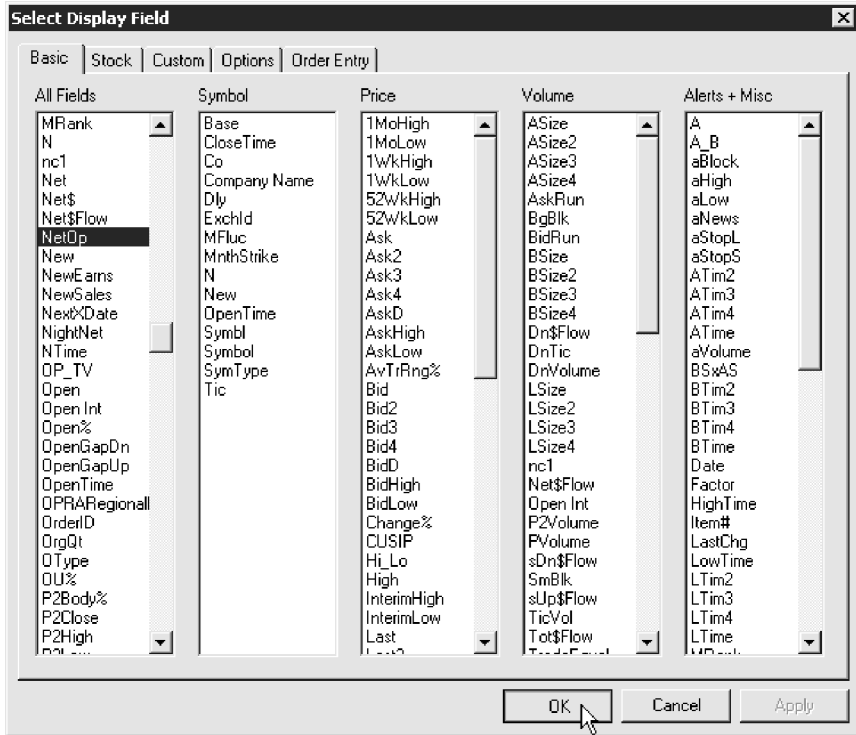
**Note:** Neovest provides a description of each column header (display field) in its online manual. To access the definitions, simply select **Help | Documentation**.

To replace an existing column header on the open GroupWatch window:

- Click with the right mouse button on the column header you wish to replace.
- Select **Select Field** from the menu that appears.



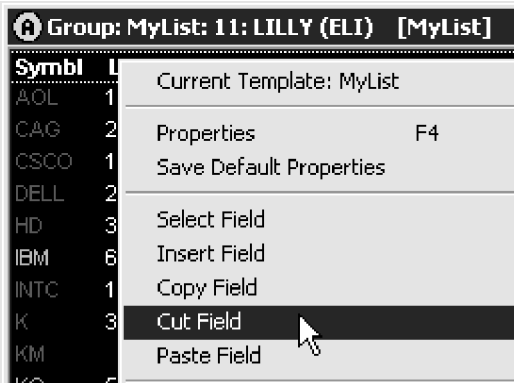
- Select the desired column header in the “Select Display Field” box, and click **OK**. (The selected column header will then replace the existing column header on which you clicked with the right mouse button.)



To remove a column header from the open GroupWatch window:

- Click with the right mouse button on the column header you wish to remove.

- Select **Cut Field** from the menu that appears.



To sort the entire GroupWatch window based on a specific column header's data:

- Double-click with the left mouse button on the column header by which you wish to sort the entire GroupWatch window. (Each time you double-click on a column header, the entire GroupWatch will sort either in ascending or descending order based on the selected column header's data.)

### ***Setting Alerts on GroupWatch Symbols***

Neovest lets you set High, Low, Volume, Block, News, and other alerts on each symbol listed in an open GroupWatch window.

The process of setting alerts on a GroupWatch symbol(s) is simple:

- Select the “Alerts” tab at the bottom of the open GroupWatch window.

| Group: MyList: 1: AOL TIME WARNER INC [MyList] | Symb1  | Last   | aHigh | aLow | aVolu   | aBlock | aStopL | aStopS | aNews | allotTL |
|--|--------|--------|-------|------|---------|--------|--------|--------|-------|---------|
| AOL  | 12.52C |        | 0     | 0    | 0       | 0      | 0      | 0      | Off   | Yes     |
| CAG  | 26.80C | 26.90  | 0     | 0    | 20      | 0      | 0      | 0      | Off   | No      |
| CSCO   | 12.56C |        | 0     | 0    | 1000000 | 0      | 0      | 0      | Off   | No      |
| DELL   | 24.54C | 25.00  | 0     | 0    | 0       | 0      | 0      | 0      | Off   | No      |
| ESP2   | 949.00 | 975.00 | 0     | 0    | 0       | 0      | 0      | 0      | Off   | No      |
| HD   | 33.75C |        | 33.20 | 0    | 0       | 0      | 0      | 0      | Off   | No      |
| IBM  | 68.58C |        | 0     | 0    | 0       | 0      | .34    | 0      | On    | No      |
| INTC   | 16.57C | 16.50  | 0     | 0    | 0       | 0      | 0      | 0      | Off   | No      |
| KM   | .89C   | 1.00   | .86   | 0    | 0       | 0      | 0      | 0      | Off   | Yes     |
| KO   | 56.68C | 4.00   | 0     | 0    | 0       | 0      | 0      | 0      | Off   | No      |
| LLY  | 52.12C |        | 0     | 0    | 0       | 0      | 0      | .56    | Off   | No      |
| LOW  | 43.80C | 45.10  | 0     | 0    | 0       | 0      | 0      | 0      | Off   | No      |
| WMT  | 53.42C |        | 0     | 0    | 2000000 | 0      | 0      | 0      | Off   | No      |

Navigation: MyList Volume Studies Custom PrevBA Sorting Fund Settings Alerts All

The following table describes the type of alerts that may be set in the “Alerts” tab in the open GroupWatch window.

| Item:                      | Description:   |
|----------------------------|--|
| <b>aHigh (High Price)</b>  | Lets you enter a high price alert for a specific symbol listed in the open GroupWatch window.  |
| <b>aLow (Low Price)</b>    | Lets you enter a low price alert for a specific symbol listed in the open GroupWatch window.   |
| <b>aVolume (Volume)</b>    | Lets you enter a volume alert for a specific symbol listed in the open GroupWatch window.  |
| <b>aBlock (Block Size)</b> | Lets you enter a block size alert for a specific symbol listed in the open GroupWatch window.  |
| <b>aStopL (Stop Long)</b>  | Lets you enter a Stop Long alert for a specific symbol listed in the open GroupWatch window. Stop Long alerts are designed to let you enter a value (usually a decimal value) that will follow the price of the symbol upwards and remain the specified amount below the current price. Once the price decreases and hits the alert value, an alert will be generated. For example, if the Stop Long value you entered was ".50" and the price of the symbol is \$50, then the alert value would automatically be set to \$49.50. However, if the symbol's price were to jump to \$51, then the alert value would automatically reset to \$50.50, and as soon as the symbol's price dropped to \$50.50, an alert would be generated. |
| <b>aStopS (Stop Short)</b> | Lets you enter a Stop Short alert for a specific symbol listed in the open GroupWatch window. Stop Short alerts are designed to let you enter a value (usually a decimal   |

|                                       |   |
|---------------------------------------|---|
|                                       | value) that will follow the price of the symbol downwards and remain the specified amount above the current price. Once the price increases and hits the alert value, an alert will be generated. For example, if the Stop Short value you entered was ".50" and the price of the symbol is \$50, then the alert value would automatically be set to \$49.50. However, if the symbol's price were to fall to \$49, then the alert value would automatically reset to \$49.50, and as soon as the symbol's price rose to \$49.50, an alert would be generated. |
| <b>aNews (News)</b>                   | Lets you turn "On" or "Off" the news alert for a specific symbol listed in the open GroupWatch window.  |
| <b>aHotTL (Hot (Live) trend line)</b> | Displays whether a Hot (Live) trend line has been drawn on a chart for a specific symbol listed in the open GroupWatch window.  |

- Next, click on the alert value you wish to set for a specific symbol. For example, if you wish to set an "aHigh" alert on the symbol "AOL," simply click on the "0" in the aHigh column for the symbol AOL.

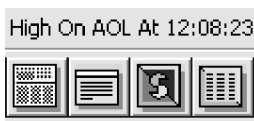
| Syml | Last  | aHigh | aLow | aVolum | aBlock | aStopL | aStopS | aNews | aHotTL |
|------|-------|-------|------|--------|--------|--------|--------|-------|--------|
| AOL  | 12.52 | 0     | 0    | 0      | 0      | 0      | 0      | Off   | Yes    |
| CAG  | 26.80 | 26.90 | 0    | 0      | 20     | 0      | 0      | Off   | No     |

- Enter the alert value you wish to set for the selected symbol. For example, if you wish to set a \$13 "aHigh" alert on the symbol "AOL," simply type "13" for the alert value in the aHigh column for the symbol AOL.

| Syml | Last  | aHigh | aLow | aVolum | aBlock | aStopL | aStopS | aNews | aHotTL |
|------|-------|-------|------|--------|--------|--------|--------|-------|--------|
| AOL  | 12.52 | 17.00 | 0    | 0      | 0      | 0      | 0      | Off   | Yes    |

- Press the **Enter** key to set the alert.

Once a preset alert is triggered, Neovest 5.0 will notify you by briefly displaying a simple line of information such as "High On AOL At 12:08:23" in the main gray menu bar.



In addition to this alert functionality, Neovest 5.0 provides alert log windows that may be setup to continually record alerts as they are triggered during the current day. For more information on Neovest 5.0's Alert Log window and further definitions of the type of alerts you may set, refer to the "Alert Log" chapter in this guide.

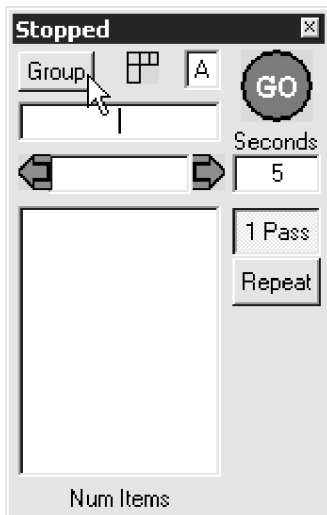
### ***Cycling GroupWatch Symbols Through Open Neovest 5.0 Windows***

Neovest 5.0's auto-cycle feature lets you cycle the symbols in a GroupWatch window through other open Neovest 5.0 windows on your screen. Using this feature you may cycle a selected group of symbols through open charts, Market Maker, Time and Sales, tickers, and other similar Neovest 5.0 windows.

Furthermore, you may cycle several groups of symbols at one time by using different "Window Link" letters with different sets of Neovest 5.0 windows.

The process of cycling GroupWatch symbols through other open Neovest 5.0 windows on your screen is simple:

- Select **Edit | Auto-Cycle Group Symbols**.
- Click on **Group** to choose a group of symbols to cycle, or type the name of the group you wish in the box with the blinking cursor.



- Make sure the "Window Link" letter (by default, the letter in the Auto-Cycle Group Symbols box is "A") matches the letter in the upper-left

corner of the open Neovest 5.0 windows through which you wish to cycle the selected group's symbols.

- Enter the number of seconds at which you wish the symbols to cycle. (The default is "5" seconds).
- Click on **1 Pass** if you wish the selected group's symbols to be cycled just one time or **Repeat** if you wish the symbols to be cycled continuously.
- Click on the green **GO** sign to begin cycling the selected group's symbols. (The green **GO** sign toggles to a red **STOP** sign once the selected group's symbols begin cycling, thus enabling you to stop the cycling when you wish).

An added feature of the Auto-Cycle Group Symbols window is the ability to adjust its size. Simply click on the upside-down, L-shaped pattern, and the window will automatically add or remove components as you click.

# Chapter 2

## Charting

### Overview

Charting is an essential component of any analysis program. Neovest 5.0's charting flexibility lets you quickly input and manipulate symbol data in tick, intraday, daily, weekly, and monthly charts using a variety of display options, indicators, and tools.

### Sections In This Chapter

- Charting Introduction
- To Open a Neovest 5.0 Chart and Load a Symbol
- To Change the Interval at which Symbol Data Appears in a Chart
- To Open a Multiple Paned Chart
- Understanding Important Charting Tools
- To Add a Technical Indicator
- To Change the Parameters of a Technical Indicator
- To Change the Colors of a Technical Indicator
- To Overlay a Symbol on an Existing Symbol
- To Save a Modified Chart as the Default
- To Draw a Hot (Live) Trend Line
- To Adjust a Trend Line
- Linking/Unlinking a Chart to Other Open Windows



## Charting Introduction

Neovest 5.0's charting flexibility lets you quickly input and manipulate symbol data in tick, intraday, daily, weekly, and monthly charts. No matter the time frame, Neovest 5.0 provides a variety of display options, indicators, and tools to assist you in making trading decisions.

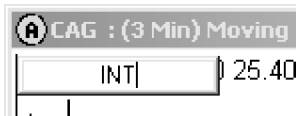


### To Open a Neovest 5.0 Chart and Load a Symbol

- Select **Open | Chart (Default) Ctrl + Y**, or click on the “Open Default Chart” icon on Neovest 5.0's toolbar.



- Once the chart is open, type the desired symbol, and press **Enter**. (Notice the box that appears in the upper-left corner of the chart revealing the symbol letters as you type them.)

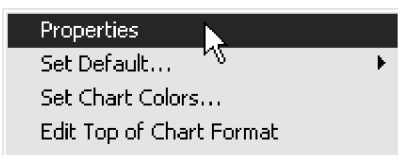


## To Change the Interval at which Symbol Data Appears in a Chart

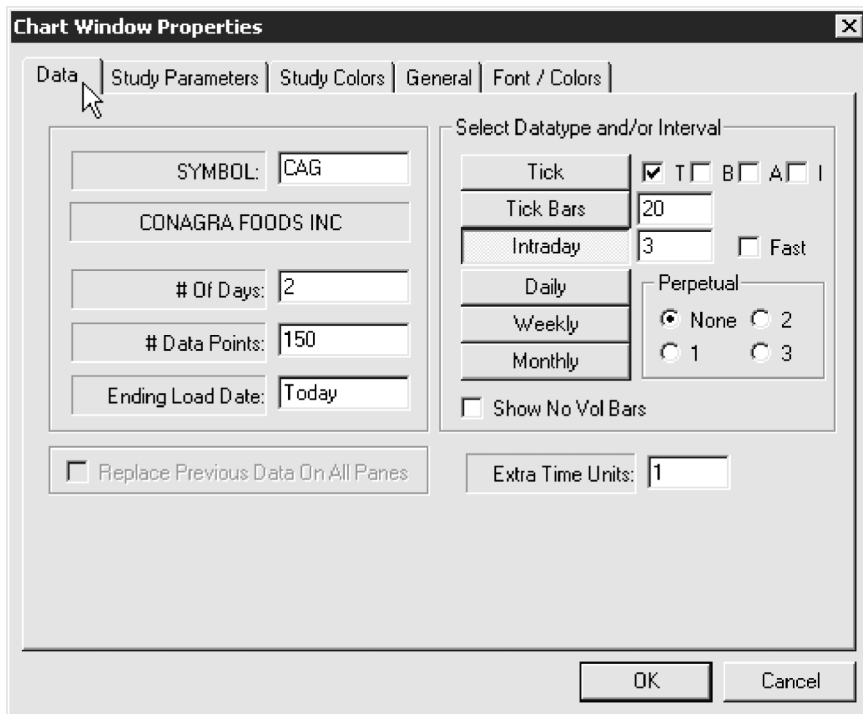
Neovest 5.0's charts may be loaded with any time frame of symbol data you wish. Neovest 5.0 provides tick, intraday, daily, weekly, and monthly charts that may be loaded with as much historical data as you need to effectively determine potential trading strategies.

The process of changing the interval at which symbol data appears in the open chart is simple:

- Click with the right mouse button in the body of the open chart window, and select **Properties F4**.



- Select the "Data" tab.



- Once you access the "Data" tab in the "Chart Window Properties" box, you may change the interval at which the symbol data appears in a chart.

The following table describes the features in the "Data" tab necessary to changing the interval at which symbol data appears in the open chart.

| Feature:         | Description:   |
|------------------|--|
| <b>Symbol</b>    | Displays the current symbol on the chart.  |
| <b>Tick</b>      | Loads any or all of the following tick data: "T" = Trades, "B" = Bid, "A" = Ask, and "I" = Include Irregular Ticks, depending on the items checked.                                      |
| <b>Tick Bars</b> | Loads tick bars based on a specified number of ticks. The default is "20," meaning that after 20 ticks, a bar will appear on the active chart showing the trading range of the 20 ticks. |
| <b>Intraday</b>  | Loads tick bars based on time. The default is "5," meaning each bar will show the trading range occurring within a 5-minute period.  |
| <b>Daily</b>     | Loads bars based on each day's trading range.  |
| <b>Weekly</b>    | Loads bars based on each week's trading range.   |
| <b>Monthly</b>   | Loads bars based on each month's trading range.  |

**Tip:** Neovest also provides hotkeys that may be used to quickly change the interval of the symbol data appearing in a chart.

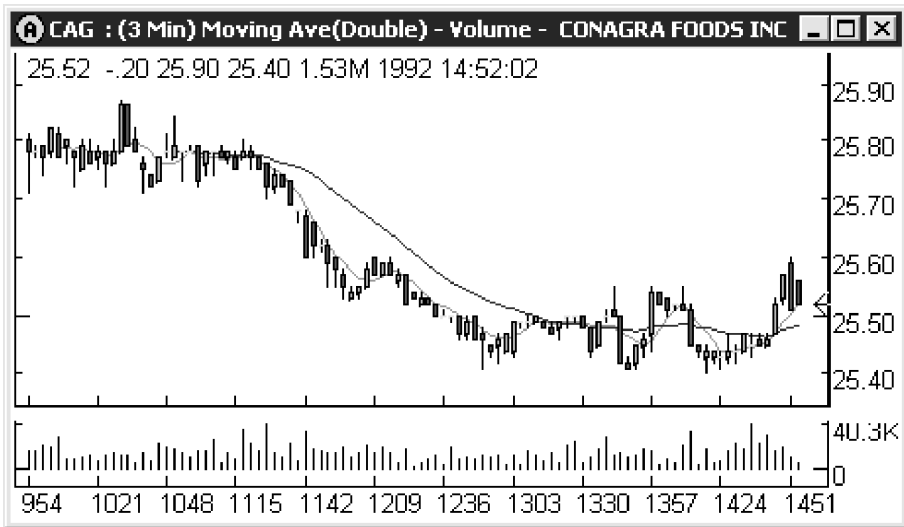
With a chart as the active window on the screen, simply type:

- "/" then **Enter** to change to a tick chart
- "/5" (or some other number) then **Enter** to change to a 5-minute bar chart
- "/d" then **Enter** to change to a daily bar chart
- "/w" then **Enter** to change to a weekly bar chart
- "/m" then **Enter** to change to a monthly bar chart

### ***To Open a Multiple Paned Chart***

Neovest 5.0 lets you open a chart with multiple panes. This feature lets you clearly see more than one technical indicator and/or charting tool applied separately to the same symbol in the same chart.

For example, the following two-paned chart displays a candlestick chart in the top pane and a volume chart in the bottom pane for the symbol CAG.

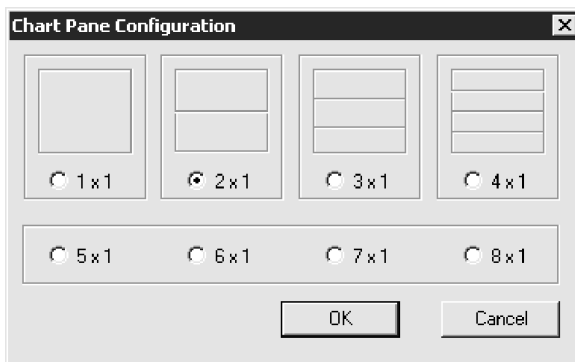


The process of opening a chart with multiple panes is simple:

- Select **Open | Chart (Set Panes)**, or click on the “Open Multi-paned Chart” icon on Neovest 5.0’s toolbar.



- Select a chart with the number of panes you wish (“2 x 1,” “3 x 1,” etc.), and click on **OK**.








Once a chart with the number of panes you selected appears, you may work with any single pane by simply clicking on it to make it active. Once a pane is active, you may add a technical indicator or charting tool to the pane. You may not, however, change the symbol or the interval of the symbol data without the entire multi-paned chart being affected.

Additionally, you may resize each pane by clicking and holding with the left mouse button on the line dividing each pane while moving the line in the direction you desire. You may also save a multi-paned chart as the default chart.

## ***Understanding Important Charting Tools***

Neovest 5.0 provides several unique charting tools that let you view and edit different types of chart data.

The following table describes several important charting tools available in Neovest 5.0's toolbar:

| <b>Feature:</b>   | <b>Description:</b>   |
|---|---|
|    | Changes the mouse cursor to crosshairs, allowing you to click with the left mouse button anywhere in the open chart to display timely price and other calculated data relevant to the loaded symbol and each technical indicator.   |
|    | Provides the same functionality as the crosshairs charting tool, with one exception: Once you click with the left mouse button in the open chart with this charting tool, the chart tabular information box remains open.   |
|  | Changes the cursor to an arrowhead, allowing you to click and hold on a drawn charting tool to highlight it in order to move it (as with the Hot (Live) trend line) or to delete it (by pressing the <b>Delete</b> key). Additionally, this charting tool may be used to click on a technical indicator line or drawn trend line to highlight it so that its parameters may be changed. |
|  | Changes the mouse cursor to a pencil, allowing you to draw an extended trend line in the open chart.  |
|  | Changes the mouse cursor to a pencil, allowing you to draw a Hot (Live) trend line in the open chart. A Hot (Live) trend line is an extended trend line with built-in alerts. Once drawn, Neovest 5.0 will alert you when a high or low price crosses the drawn line.   |



Changes the mouse cursor to a pencil, allowing you to draw a horizontal reference line in the open chart.

### ***To Add a Technical Indicator***

In addition to viewing simple price data on a Neovest 5.0 chart, you may add one or more technical indicators to existing price or other data.

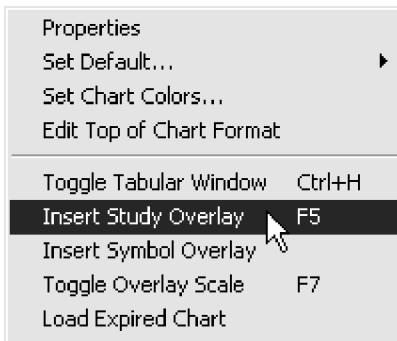
Neovest 5.0's extensive charting capabilities include over 100 combined technical indicators and charting tools that may be overlaid in virtually any configuration.

The process of adding technical indicators to a Neovest 5.0 chart is simple:

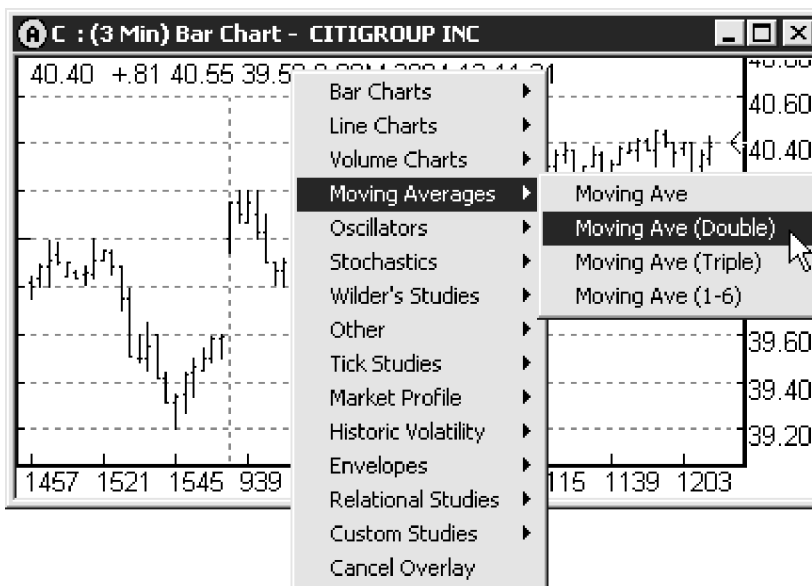
- Click with the right mouse button in the open chart in which you wish to add a technical indicator.
- Select the desired technical indicator from the list that appears.

To add more than one technical indicator to a Neovest 5.0 chart, you must select Neovest 5.0's **Insert Study Overlay F5** feature:

- Click with the right mouse button in the open chart in which you wish to overlay a technical indicator on an existing technical indicator.
- Select **Insert Study Overlay F5**.



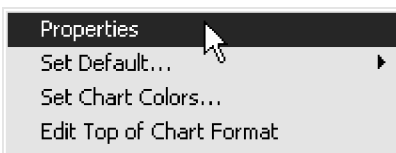
- Select the desired technical indicator from the list that appears.



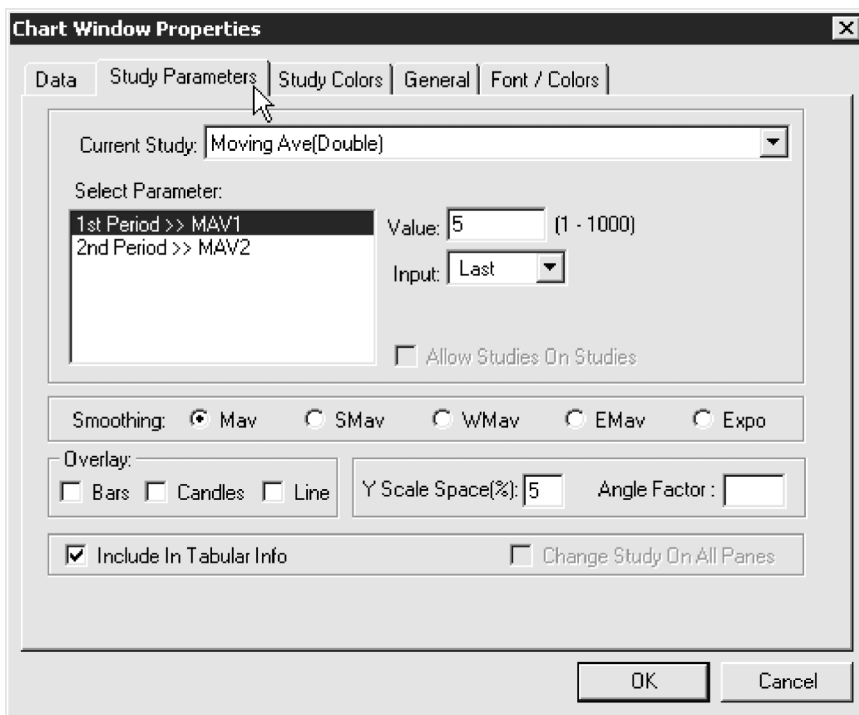
### ***To Change the Parameters of a Technical Indicator***

Neovest 5.0 lets you change the parameters of each technical indicator in an open chart. The following example illustrates how to change the parameters of a Moving Average technical indicator; however, you may adhere to the following instructions to change the parameters of any technical indicator in an open chart.

- Click with the right mouse button in the open chart that contains the technical indicator whose parameters you wish to edit.
- Select **Properties F4**.



- Select the “Study Parameters” tab.



- In the “Current Study” field, make sure the technical study you wish to edit is selected. If not, click on the down arrow, and select the desired technical indicator.

The following table describes the features in the "Study Parameters" tab necessary to changing the parameters of the selected technical indicator:

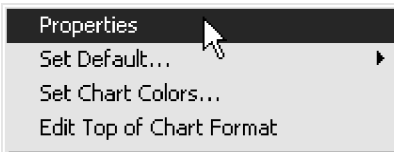
| Feature:                | Description:  |
|-------------------------|---|
| <b>Select Parameter</b> | Lists the various parameters of the current technical indicator that may be edited.   |
| <b>Value</b>            | Lists the value used to calculate the selected parameter. In this example, "5" refers to an five-bar average used to calculate the MAV1.          |
| <b>Input</b>            | Lists the data used to calculate the selected parameter. In this example, "Last" refers to the last (or close) of each bar to calculate the MAV1. |
| <b>Overlay</b>          | Offers additional technical indicators ("Bars," "Candles," "Line") that may be overlaid in the open chart.  |

## To Change the Colors of a Technical Indicator

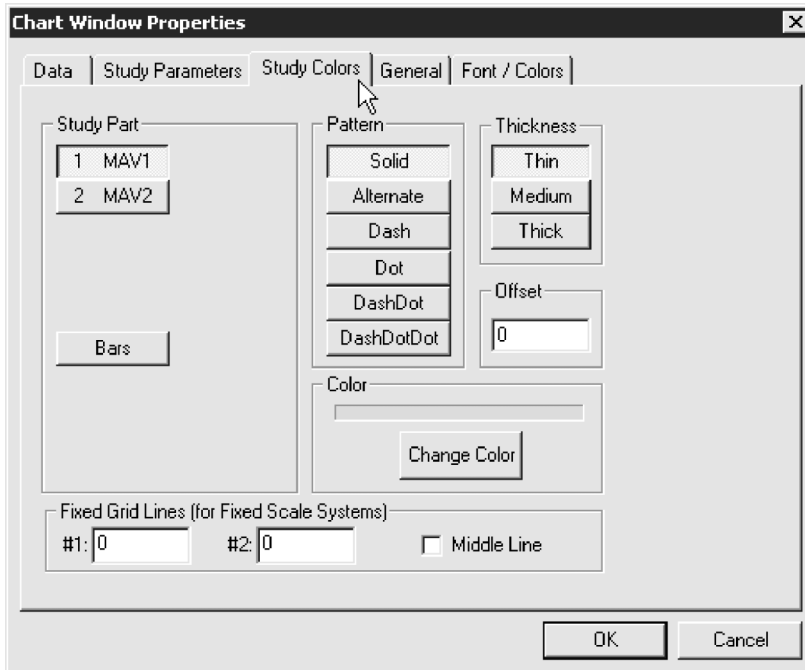
Although Neovest 5.0 lets you modify the colors of virtually any part of the open chart, the “Study Colors” tab lets you change the colors of each technical indicator in the open chart. The “Study Colors” tab also lets you add fixed grid lines to the open chart.

The process of changing the colors of technical indicators and adding fixed grid lines in the open chart is simple:

- Click with the right mouse button in the open chart that contains the technical indicator whose colors you wish to change.
- Select **Properties F4**.



- Select the “Study Colors” tab.



The following table describes the features in the "Study Colors" tab that let you change the colors of a selected technical indicator and add fixed grid lines in the open chart:

| Feature:                | Description:   |
|-------------------------|--|
| <b>Study Part</b>       | Lists the components of the selected technical indicator whose colors may be modified. Remember, to select a technical indicator on an open chart, you must click on it with the arrowhead cursor.   |
| <b>Color</b>            | Lets you change the color of the selected "Study Part" of the selected technical indicator. By clicking on <b>Change Color</b> , you will access the "Color" box, which displays the basic colors from which you may choose. To define a custom color, click the basic color closest to it, and then click <b>Define Custom Colors</b> .   |
| <b>Fixed Grid Lines</b> | Lets you add fixed grid lines at specific points in the open chart. The values for fixed grid lines must include an implied decimal point. For example, to enter a grid line at line "60," you must enter "6000" in either box "#1" or box "#2." Lastly, a grid line will appear at the middle point of a technical indicator's fixed scale if the "Middle Line" box is checked. |

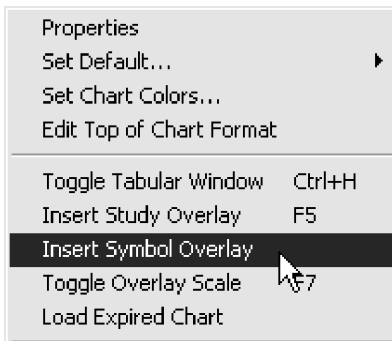
### ***To Overlay a Symbol on an Existing Symbol***

Neovest 5.0 lets you overlay a symbol on an existing symbol that appears in an open chart. This is a useful feature if you wish to compare two stocks in the same industry or if you wish to compare a single stock to an index.

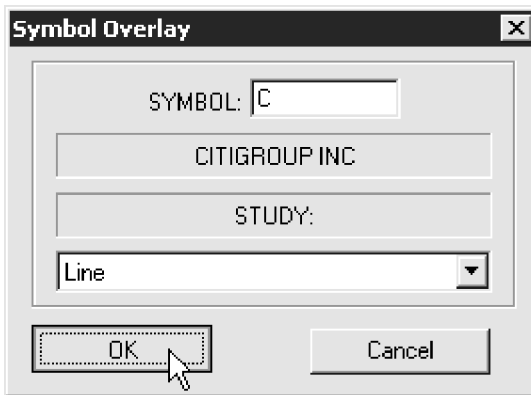
The process of overlaying a symbol on an existing symbol that appears in an open chart is simple:

- Click with the right mouse button in the open chart in which you wish to overlay a symbol on an existing symbol.

- Select **Insert Symbol Overlay**.



- Enter the symbol you wish to overlay on the existing symbol, select the study (e.g., “Bar Chart,” “Bollinger Bands,” “Line,” “Moving Ave”) you wish to display with the overlaying symbol, and click **OK**.



### ***To Save a Modified Chart as the Default***

Once you make changes to an open chart—such as changing the time frame of the symbol data, adding a technical indicator, adding multiple panes to the chart, or changing the colors of a technical indicator—you may save your changes to appear as the default chart.

The process of saving a modified chart as the default is simple:

- Click with the right mouse button in the open chart that you wish to save as the default chart, and select **Set Default | General Chart Properties** to save the main chart properties as the default.



- Also, click again with the right mouse button in the open chart that you wish to save as the default chart, and select **Set Default | Study Parameters/Colors** to save any changes you made to the technical indicator colors.



### ***To Draw a Hot (Live) Trend Line***

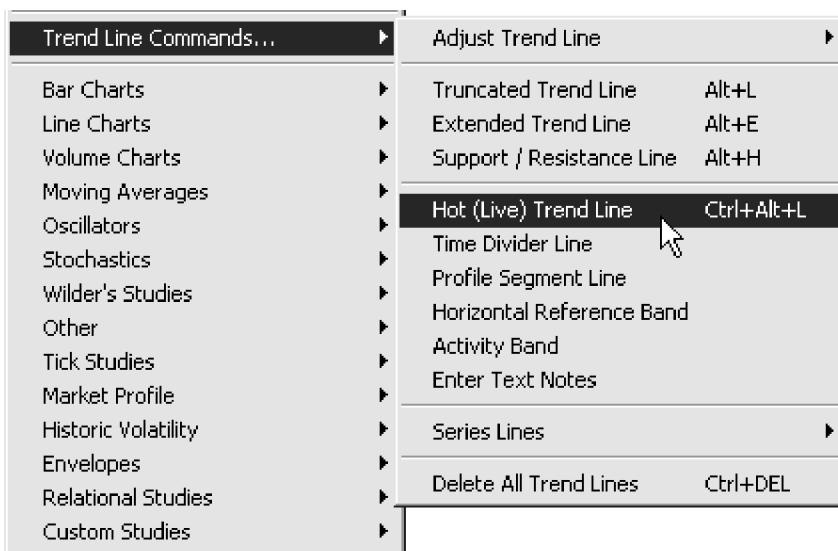
Neovest 5.0's extensive collection of charting tools includes trend lines, live lines, bands, text notes, series, domes, and bowls.

One charting tool that has proven to be very popular is the Hot (Live) trend line, which is an extended trend line with built-in alerts. Once the Hot (Live) trend line is drawn, Neovest 5.0 will alert you when a high or low price crosses the line.

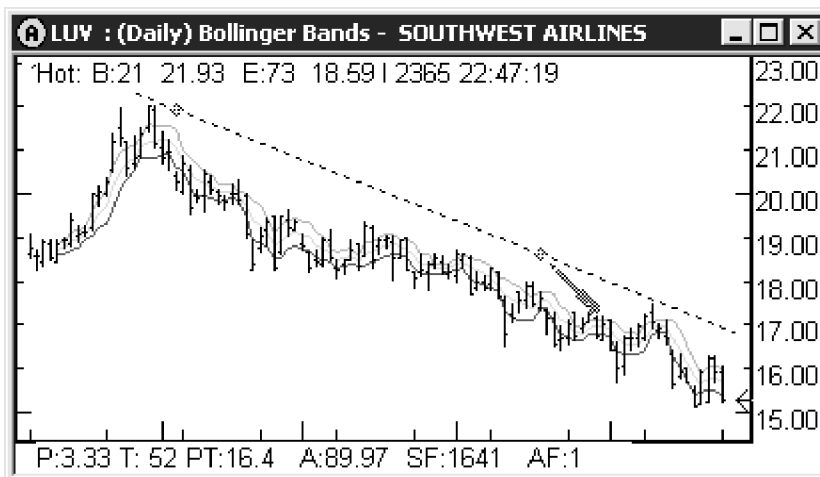
The process of drawing a Hot (Live) trend line is simple:

- Click with the right mouse button in the open chart in which you would like to draw a Hot (Live) trend line.

- Select **Trend Line Commands | Hot (Live) Trend Line Ctrl+Alt+L.**



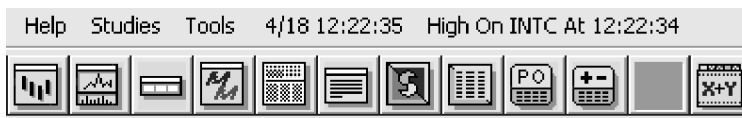
- Once the mouse cursor appears as a pen, click and hold with the left mouse button at the point where you wish to begin the trend line, drag the mouse to the ending point, and release the left mouse button.



- To view the exact prices upon which the Hot (Live) trend line alerts have been set, click with the right mouse button in the active chart, select **Properties**, and select the “Selected Trend Line” tab.

- If you wish, you may manually adjust the "Base Price" and/or "End Price" alert of the selected Hot (Live) trend line by simply changing the appropriate values.

Once the high or low price Hot (Live) trend line alert is triggered, Neovest 5.0 will notify you by displaying a simple line of information such as "High On INTC At 12:22:34" in the main gray menu bar.



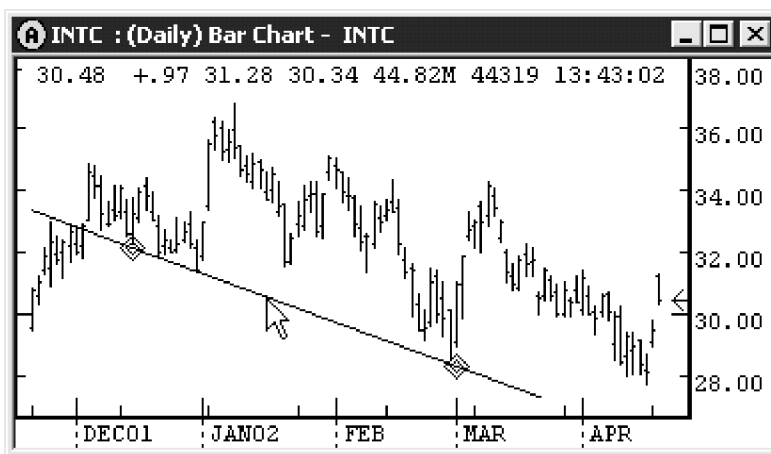
**Note:** In addition to this alert functionality, Neovest 5.0 provides alert log windows that may be setup to continually record alerts as they are triggered during the current day. For more information, refer to the "Alert Log" chapter in this Quick Start guide.

### ***To Adjust a Trend Line***

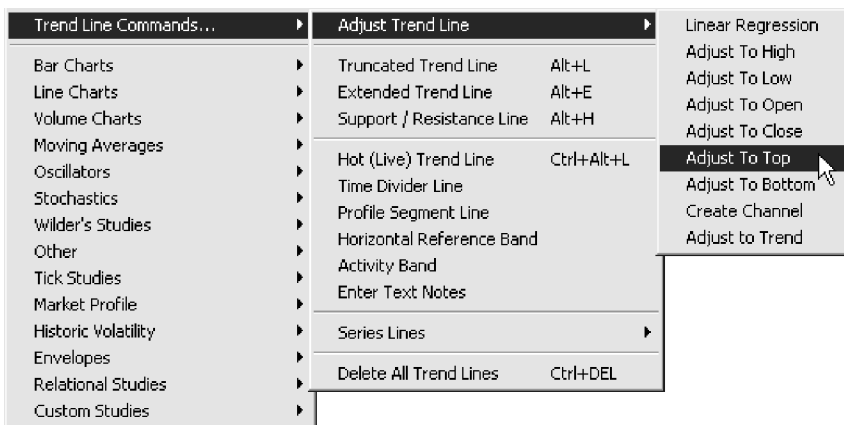
Neovest 5.0 lets you automatically adjust any drawn trend line that appears on the open chart. This function is especially helpful if you wish to automatically adjust a trend line to a trend of highs, lows, opens, etc.

The process of adjusting a drawn trend line is simple:

- Click with the arrowhead cursor between the two diamonds of the drawn trend line that you wish to adjust.



- Click with the right mouse button in the body of the open chart, select **Trend Line Commands | Adjust Trend Line**, and select the desired adjust trend line command (**Adjust To High**, **Adjust To Low**, **Adjust To Open**, etc.).



**Tip:** You may at any time click and hold with the left mouse button (using the arrowhead cursor) between the two diamonds of a drawn trend line and move the trend line to a new location on the open chart. You may also click and hold directly on one of the diamonds of a trend line to adjust just one end of a trend line. Additionally, you may use Neovest 5.0's automatic **Adjust Trend Line** feature to view new high, low, open, etc. trends for the area in between the two diamonds of a drawn trend line.

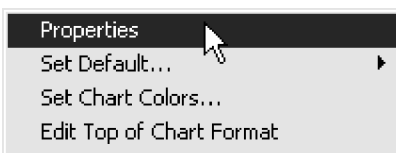
### ***Linking/Unlinking a Chart to Other Open Windows***

In the upper-left corner of each Neovest 5.0 window is a link letter. All open windows with the same link letter will cycle to the same symbol. For example, if you were to double-click on a symbol in a QuoteWatch or filter window, then all open charts with the same link letter would automatically display data for the same symbol.

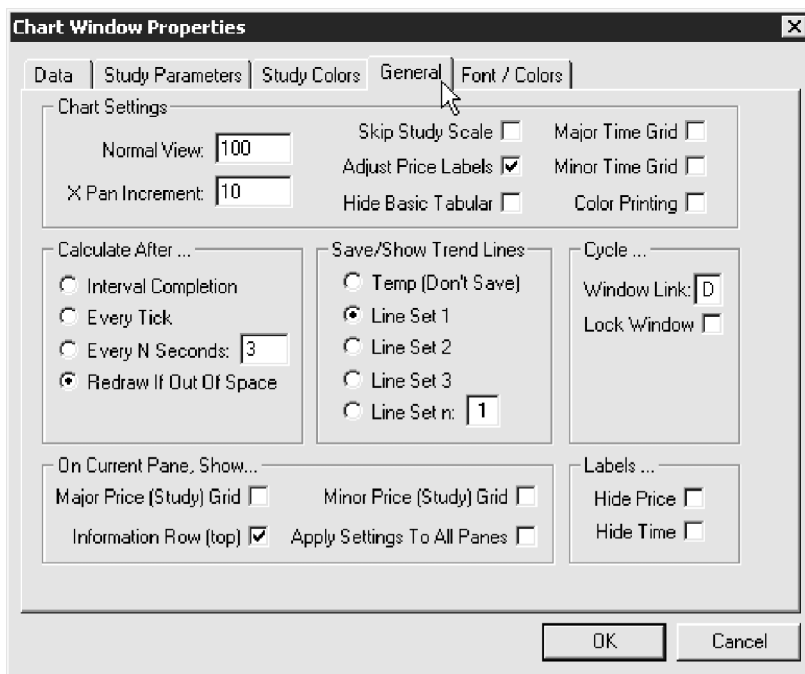
In some cases you may not want a chart to be linked to other open Neovest 5.0 windows. For instance, you may wish a specific chart to always display futures symbol data, while the rest of your linked charts display stock symbol data. In this instance, you will need to assign the futures chart a unique link letter.

The process of changing a link letter is simple:

- Click with the right mouse button in the open chart that you wish to assign a unique link letter.
- Select **Properties F4**.



- Select the “General” tab.



- In the “Cycle” section, change the “Window Link” letter to any other letter in the alphabet (except “Y” or “Z”) that is not currently being used for linking (e.g., “D”).

**Tip:** Certain link letters maintain specific functions as they are chosen as link letters for an open window(s). The link letter "Y" is independent of all other link letters, meaning that a window with the link letter Y will never cycle to the same symbol as other open windows on your screen. The link letter "Z" is the only link letter that is linked to all other link letters except Y, meaning that a window with the link letter Z will continually cycle to the same symbol as new symbols are entered or double-clicked upon in their open windows no matter the window's link letter.

# Chapter 3

## Filtering

### Overview

Neovest 5.0 provides a broad range of remote filters that search the entire market in real time for stocks that meet specific price, volume, trade size, trend, moving average, and other important criteria. Once you select and run a Neovest 5.0 remote filter and stocks are located, you may then select from the located stocks those you would most like to trade. In addition to this filtering functionality, Neovest 5.0 lets you create unique filters of your own.

### Sections In This Chapter

- Filtering Introduction
- To Open a Neovest 5.0 Remote Filter
- To Limit the Stocks Displayed in a Remote Filter Window
- To Create a New Filter
- To Rank the Stocks Displayed in a Filter Window

## ***Filtering Introduction***

Neovest 5.0 provides a broad range of remote filters that search the entire market in real time for stocks that meet specific price, volume, trade size, trend, moving average, and other important criteria.

Neovest 5.0's remote filters locate stocks on the move, thus enabling you to recognize trading opportunities that you would have otherwise missed.

For example, Neovest 5.0's "BreakOut" remote filter locates stocks that have three highs in the past four days that are plus or minus one percent of each other, that have a current price above their four-day high, that have a current volume on track to be greater than their 20-day average volume, that have at least a 20-day average volume of 10,000 shares, and that currently trade above \$2. All stocks are then ranked or sorted by their current volume activity relative to their 20-day average volume.

Once you select and run a Neovest 5.0 remote filter such as "BreakOut" and stocks are located, you may then select from the located stocks those you would most like to trade. For complete descriptions of the remote filters included in Neovest 5.0, go to [www.neovest.com/support/RFD.PDF](http://www.neovest.com/support/RFD.PDF).

This filtering chapter provides instructions on how to select a Neovest 5.0 remote filter, add criteria to limit the stocks displayed in a remote filter window, create a new filter, and rank the stocks that appear in an open filter window.

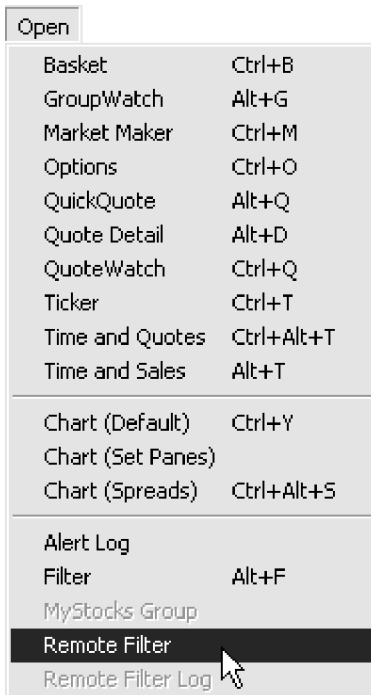
### ***To Open a Neovest 5.0 Remote Filter***

Neovest 5.0's remote filters are designed to scan the entire market in real time throughout each trading day to locate stocks that meet specific criteria.

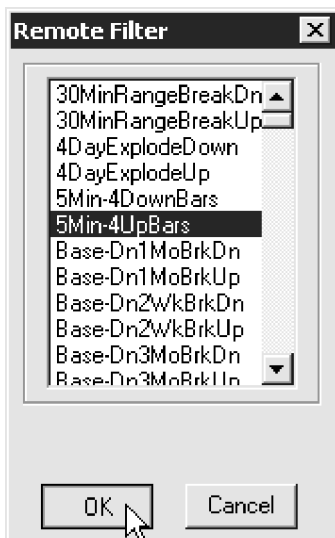
You may open a Neovest 5.0 remote filter at any time to view the stocks that each remote filter has located.

The process of opening a Neovest 5.0 remote filter is simple:

- Select **Open | Remote Filter** to access the “Remote Filter” box.



- Select the remote filter you wish to open, and click **OK**.

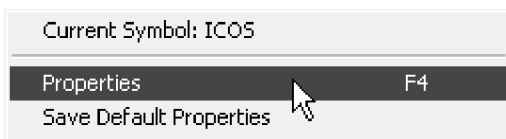


## To Limit the Stocks Displayed in a Remote Filter Window

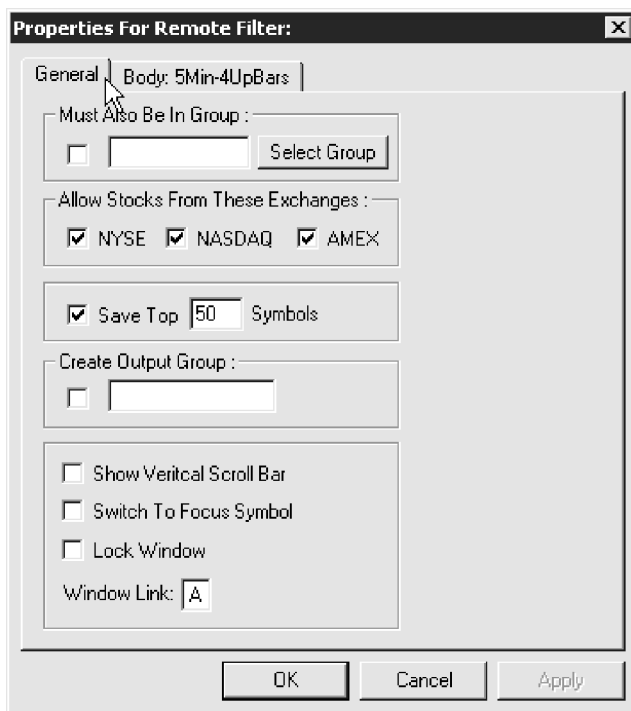
Once you open a Neovest 5.0 remote filter and view its located stocks, you may either begin trading the located stocks or you may choose to select additional criteria to limit the stocks displayed in the remote filter window.

The process of limiting the stocks displayed in the remote filter window is simple:

- Click with the right mouse button in the body of the open remote filter window, and select **Properties F4**.



- Select the "General" tab.



The following table provides descriptions of the items that may be selected in the “Properties For Remote Filter” box to limit the stocks displayed in a remote filter window.

| Item:                                    | Description:   |
|--|--|
| <b>Must Also Be In Group</b>             | Lets you select an additional group to limit the stocks in the remote filter window to only those stocks that are currently contained in the additional group. This additional group may be a group of stocks you previously created or the current results of a separate remote filter. |
| <b>Allow Stocks From These Exchanges</b> | Lets you specify that you wish the remote filter window to only display stocks from a specific exchange(s).  |

### ***To Create a New Filter***

As stated earlier, Neovest 5.0 provides a broad range of remote filters that search the entire market in real time for stocks that meet specific price, volume, trade size, trend, moving average, and other important criteria.

As you familiarize yourself with Neovest 5.0’s vast remote filter library, you may discover that several remote filters locate stocks that meet with your trading strategies.

However, Neovest 5.0 does provide you with the ability to create unique filters designed to filter a group of stocks you previously created or the output group of a separate remote filter.

To demonstrate the process of creating a new filter, the following example shows how to create a new filter titled “XYZ.”

The new XYZ filter will require that all located stocks opened at least a quarter of a point above their high price yesterday, that they are on track to triple their 20-day average volume, that they all have a last price greater than or equal to their highest price of the past 30 minutes, and that they have a last price greater than 10 and less than 85. Lastly, all stocks will then be ranked or sorted by their “VolAvg%” (their volume activity today relative to their 20-day average volume) and “Change%” (their change percentage relative to yesterday’s close).

The process of creating a new filter titled “XYZ” is simple:

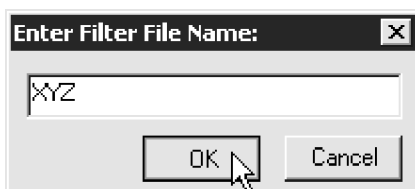
- Select **Open | Filter Alt+F**.



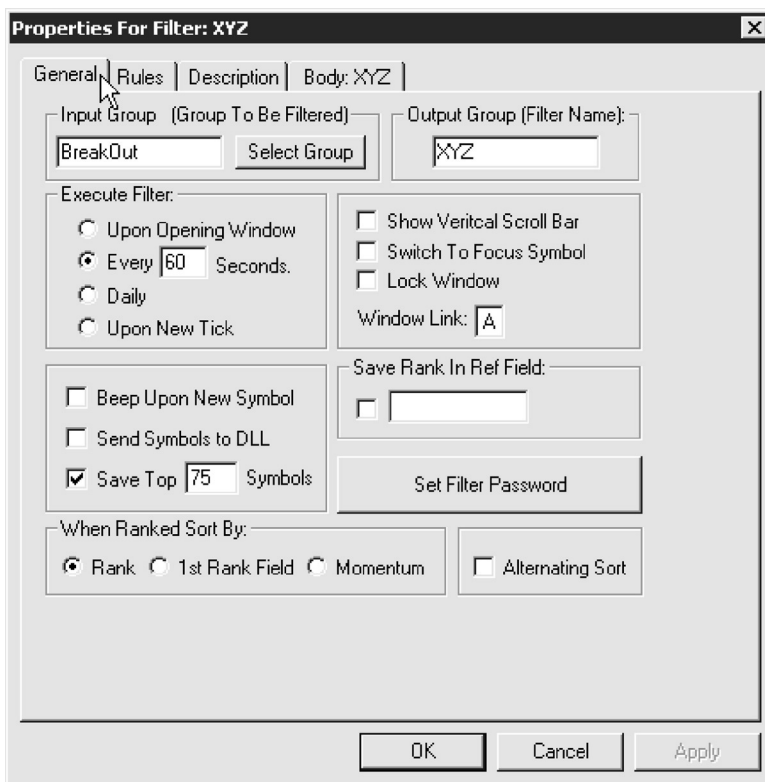
- Click on **New**.



- Enter the name you wish to give the new filter in the “Enter Filter File Name” box, and click **OK**. In this example, the filter name is “XYZ.”



- Select the “General” tab.
- Enter in the “Input Group (Group To Be Filtered)” section the group of stocks you wish to filter. (If you do not know the exact name of the group you wish to select, click on **Select Group**, and select a group in the “Select Group” box. The group you select may be a group of stocks you previously created or a remote filter.) In this example, the group “BreakOut” is selected as the “Input Group.”



- Select the “Rules” tab.



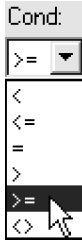
## Rule One

Rule number one will require that the located stocks have opened at least a quarter of a point above their high price yesterday.

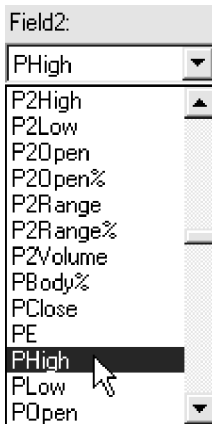
- Click on the “Field1” down arrow, and select “Open” from the list that appears. (**Note:** Once you click on “Field1,” if you begin typing “Open,” Neovest 5.0 will highlight the word “Open” in the list. The same shortcut applies to all drop-down menus in the “Properties For Remote Filter” box.)



- Click on the “Cond” down arrow, and select the greater-than-or-equal-to sign “>=” from the list that appears.



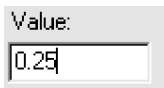
- Click on the “Field2” down arrow, and select “PHigh” from the list that appears.



- Click on the “Math” down arrow, and select the plus sign “+” from the list that appears.



- Click in the “Value” field, and type “0.25”.

A screenshot of a software interface showing a label 'Value:' followed by a text input field. The input field contains the number '0.25'.

This completes rule one of the filter “XYZ.” The remaining instructions to complete rules two through five of this filter are described in a shortened form.

### **Rule Two**

Rule number two will require that the located stocks are on track to double their 20-day average volume relative to the d% calculation. The “d%” math operator automatically calculates how much time has passed during the current day and then converts the amount to a percentage.

- Click on **Add Rule**.
- Select “Volume” for Field1.
- Select “>” for the Condition.
- Select “VolAvg20” for Field2.
- Select “d%” for the Math operator.
- Enter “2” for the Value.

### **Rule Three**

Rule number three will require that the located stocks have a last price greater than or equal to the highest price of the past 30 minutes.

- Click on **Add Rule**.
- Select “Last” for Field1.
- Select “>=” for the Condition.
- Select “TrailHigh” for Field2.

## Rule Four

Rule number four will require that the located stocks have a last price greater than 10.

- Click on **Add Rule**.
- Select “Last” for Field1.
- Select “>” for the Condition.
- Select “C” for the Math operator. (**Note:** A Field2 is not required in this rule because Field1 is being compared directly to a constant.)
- Enter “10” for the Value.

## Rule Five

Rule number five will require that the located stocks have a last price less than 85.

- Click on **Add Rule**.
- Select “Last” for Field1.
- Select “<” for the Condition.
- Select “C” for the Math operator.
- Enter “85” for the Value.

This completes the filter “XYZ.” The rules listed in the “Rules” section should look like the following:

```
#1 Open >= [ PHigh + 0.25 ] And  
#2 Volume > [ VolAvg20 d% 2 ] And  
#3 Last >= TrailHigh And  
#4 Last > 10 And  
#5 Last < 85
```

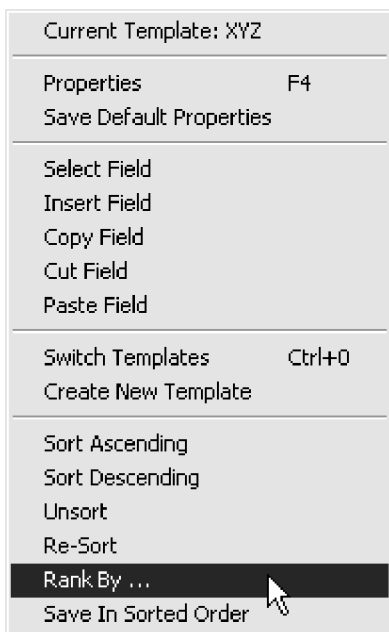
To run the new filter, simply click **OK**, and a filter window will appear with stocks that have met the XYZ filter criteria.

## ***To Rank the Stocks Displayed in a Filter Window***

Once stocks appear in an open filter window, you may then choose to rank the stocks by specific criteria. In this example, the stocks located by the new filter “XYZ” will be ranked by their “VolAvg%” (their volume activity today relative to their 20-day average volume) and “Change%” (their change percentage relative to yesterday’s close).

The process of ranking the stocks located by the new filter “XYZ” is simple:

- Click with your right mouse button in the template section of the open filter window, and select **Rank By ...**



- Select the ranking fields in the "Field" pull-down menu(s) by which you wish to rank the stocks that appear in the open filter window. As discussed previously, the stocks located by the new filter "XYZ" will be ranked by their "VolAvg%" (their volume activity today relative to their 20-day average volume) and "Change%" (their change percentage relative to yesterday's close). Thus, select "VolAvg%" for "Field1" and "Change%" for "Field2."

The screenshot shows a dialog box titled "Ranking Fields" with a close button (X) in the top right corner. The dialog is organized into five columns, labeled "Field1" through "Field5".

- Field1:** The pull-down menu is set to "VolAvg%". Below it are two buttons: "Asc (+)" and "Dsc (-)". Underneath is a "Weight" label and a text input box containing the number "1".
- Field2:** The pull-down menu is set to "Change%". Below it are two buttons: "Asc (+)" and "Dsc (-)". Underneath is a "Weight" label and a text input box containing the number "1".
- Field3:** The pull-down menu is empty. Below it are two buttons: "Asc (+)" and "Dsc (-)". Underneath is a "Weight" label and a text input box containing the number "1".
- Field4:** The pull-down menu is empty. Below it are two buttons: "Asc (+)" and "Dsc (-)". Underneath is a "Weight" label and a text input box containing the number "1".
- Field5:** The pull-down menu is empty. Below it are two buttons: "Asc (+)" and "Dsc (-)". Underneath is a "Weight" label and a text input box containing the number "1".

At the bottom of the dialog, there are three buttons: "Reset", "OK", and "Cancel". A mouse cursor is pointing at the "OK" button.

- Select either ascending "Asc (+)" or descending "Dsc (-)" order for the ranking fields you have chosen, and assign a weight for the field(s). By entering a "2" in a particular "Weight" box, for example, you assign twice as much value to the ranking field, "3" represents three times as much value, and so on. Leaving a "1" in each Weight box will cause all of the ranking fields to be calculated evenly in the final ranking.
- Select **OK**.

The **Rank By ...** feature will then calculate all of the ranking fields together to rank the stocks that appear in the open "XYZ" filter window.



# Chapter 4

## Alert Log

### Overview

Neovest 5.0 briefly displays alert messages, such as “High On INTC At 12:22:34,” in its main gray menu bar as alerts are triggered. In addition to this alert functionality, Neovest 5.0 provides Alert Log windows that you may set up to continually record triggered alerts during the current day.

### Sections In This Chapter

- Alert Log Introduction
- To Open and Name a New Alert Log Window
- Specifying the Type of Alerts to be Recorded in the Alert Log
- Specifying the Type of Information to be Displayed in the Alert Log
- Determining How You Wish to be Alerted

## Alert Log Introduction

Once a preset alert is triggered, Neovest 5.0 will notify you by briefly displaying a simple line of information such as “High On INTC At 12:22:34” in its main gray menu bar.

In addition to this alert functionality, Neovest 5.0 provides Alert Log windows that may be set up to continually record alerts as they are triggered during the current day. For more information on setting alerts in Neovest 5.0, refer to the “Setting Alerts on GroupWatch Symbols” section in the “GroupWatch” chapter of this guide.

You may create and name as many Alert Log windows as needed, each with their own distinct features. For example, you may create an Alert Log window titled “Highs” and set it to log all triggered high price alerts.

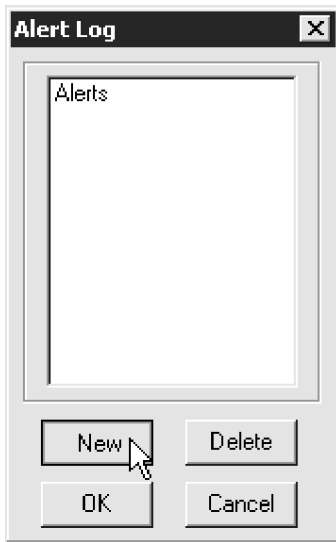
This Alert Log chapter provides instructions on how to open and name a new Neovest 5.0 Alert Log window, specify the type of alerts you wish each Alert Log window to display, and determine how you wish to be alerted.

### To Open and Name a New Alert Log Window

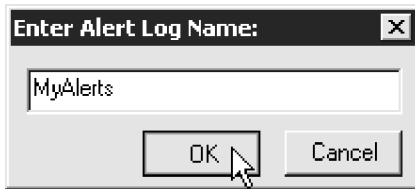
- Select **Open | Alert Log**.



- Click on **New** to access the “Enter Alert Log Name” box.



- Enter the name you wish to give the new Alert Log window, and click **OK**.



**Note:** By default, once a new Alert Log window opens it will be empty. In order for an Alert Log window to begin logging triggered alerts for the current day, you must specify the type of alerts you wish the Alert Log window to display.

### ***Specifying the Type of Alerts to be Recorded in the Alert Log***

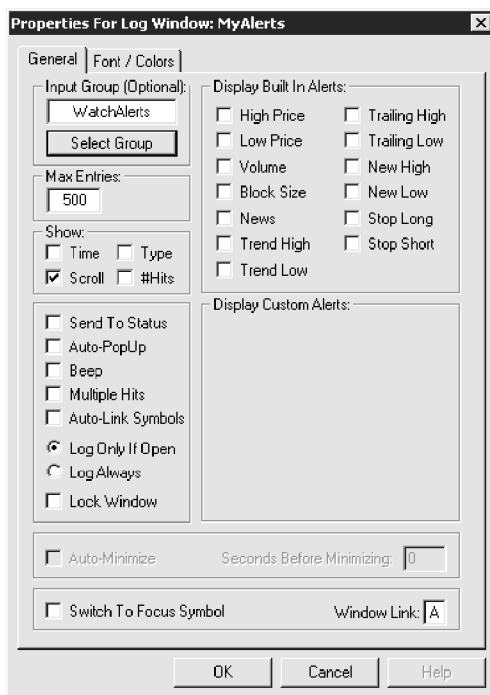
Once you open an Alert Log window you must specify the type of alerts you wish the Alert Log window to record and display. For more information on setting alerts in Neovest 5.0, refer to the “Setting Alerts on GroupWatch Symbols” section in the “GroupWatch” chapter of this guide.

The process of specifying the type of alerts to be recorded in the open Alert Log window is simple:

- Click with the right mouse button in the body of the open Alert Log window, and select **Properties F4**.



- Select the “General” tab.



- Check the items in the "Display Built In Alerts" section that you wish to be recorded in the open Alert Log window.

The following table provides descriptions of the items that may be checked in the “Display Built In Alerts” section.

| Item:                      | Description:   |
|----------------------------|--|
| <b>High Price (aHigh)</b>  | Lets you see in the Alert Log window the triggered high price alerts for symbols upon which high price alerts have been set.   |
| <b>Low Price (aLow)</b>    | Lets you see in the Alert Log window the triggered low price alerts for symbols upon which low price alerts have been set.   |
| <b>Volume (aVolume)</b>    | Lets you see in the Alert Log window the triggered volume alerts for symbols upon which volume alerts have been set.   |
| <b>Block Size (aBlock)</b> | Lets you see in the Alert Log window the triggered block size alerts for symbols upon which block size alerts have been set.   |
| <b>News (aNews)</b>        | Lets you see in the Alert Log window the triggered news alerts for symbols upon which news alerts have been set.   |
| <b>Trend High (TLHigh)</b> | Lets you see in the Alert Log window the triggered Trend High alerts for symbols upon which Trend High alerts have been set.   |
| <b>Trend Low (TLLow)</b>   | Lets you see in the Alert Log window the triggered Trend Low alerts for symbols upon which Trend Low alerts have been set.   |
| <b>Trailing High</b>       | Lets you see in the Alert Log window the triggered Trailing High alerts for symbols upon which Trailing High alerts have been set. Trailing High alerts are designed to look for symbols that have hit a new high based on the previous 30 minutes of data. <b>Note:</b> Neovest 5.0 is only designed to receive data on symbols that are loaded in open windows on your screen. Since Trailing High alerts are designed to look for symbols that have hit a new high based on the previous 30 minutes of data, you could possibly be alerted to false breakouts if the symbols upon which you have set Trailing High alerts do not have at least 30 minutes of data stored. |
| <b>Trailing Low</b>        | Lets you see in the Alert Log window the triggered Trailing Low alerts for symbols upon which Trailing Low alerts have been set. Trailing Low alerts are designed to look for symbols that have hit a new low based on the previous 30 minutes of data. <b>Note:</b> Neovest 5.0 is only designed to receive data on symbols that are loaded in open windows on your screen. Since Trailing Low alerts are designed to look for symbols that have hit a new low based on the previous 30 minutes of data, you could possibly be alerted  |

|                           |   |
|---------------------------|---|
|                           | to false breakouts if the symbols upon which you have set Trailing Low alerts do not have at least 30 minutes of data stored.   |
| <b>New High</b>           | Lets you see in the Alert Log window the triggered new high alerts on symbols making a new high on the day.   |
| <b>New Low</b>            | Lets you see in the Alert Log window the triggered new low alerts on symbols making a new low on the day.   |
| <b>Stop Long (StopL)</b>  | Lets you see in the Alert Log window the triggered Stop Long alerts for symbols upon which Stop Long alerts have been set. Stop Long alerts are designed to let you enter a value (usually a decimal value) that will follow the price of the symbol upwards and remain the specified amount below the current price. Once the price decreases and hits the alert value, an alert will be generated. For example, if the Stop Long value you entered was ".50" and the price of the symbol is \$50, then the alert value would automatically be set to \$49.50. However, if the symbol's price were to jump to \$51, then the alert value would automatically reset to \$50.50, and as soon as the symbol's price dropped to \$50.50, an alert would be generated.    |
| <b>Stop Short (StopS)</b> | Lets you see in the Alert Log window the triggered Stop Short alerts for symbols upon which Stop Short alerts have been set. Stop Short alerts are designed to let you enter a value (usually a decimal value) that will follow the price of the symbol downwards and remain the specified amount above the current price. Once the price increases and hits the alert value, an alert will be generated. For example, if the Stop Short value you entered was ".50" and the price of the symbol is \$50, then the alert value would automatically be set to \$49.50. However, if the symbol's price were to fall to \$49, then the alert value would automatically reset to \$49.50, and as soon as the symbol's price rose to \$49.50, an alert would be generated. |

**Note:** For more information on setting many of the alerts discussed in the previous table, refer to the "Setting Alerts on GroupWatch Symbols" section in the "GroupWatch" chapter of this Quick Start guide.

### ***Specifying the Type of Information to be Displayed in the Alert Log***

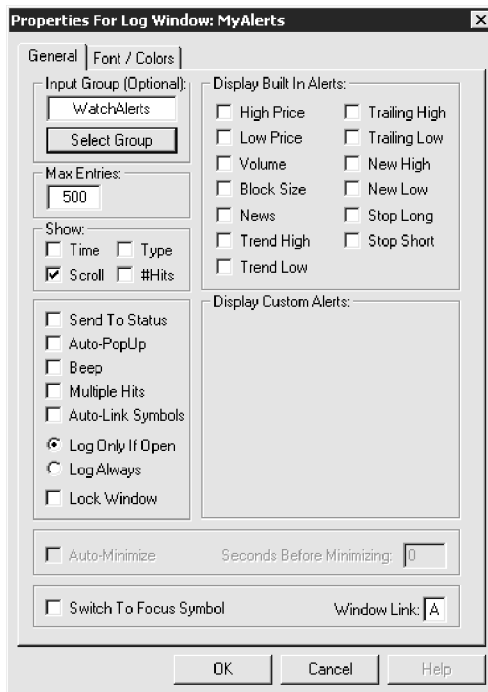
In addition to specifying the type of alerts to be recorded in the Alert Log window, you may also determine the type of information to be displayed.

The process of specifying the type of information to be displayed in the open Alert Log window is simple:

- Click with the right mouse button in the body of the open Alert Log window, and select **Properties F4**.



- Select the “General” tab.



The following table provides descriptions of several of the components contained in the “General” tab that may be utilized in the Alert Log window:

| Feature:           | Description:  |
|--------------------|---|
| <b>Input Group</b> | Lets you limit the Alert Log window to only display triggered alerts for symbols included in a specific group. This feature is an optional selection, because if you leave “WatchAlerts” as the “Input Group,” Neovest 5.0 will allow you to see triggered alerts for any symbol upon which alerts have been set. |
| <b>Time</b>        | Lets you see in the Alert Log window the time each alert was triggered.   |
| <b>Type</b>        | Lets you see in the Alert Log window the type (i.e., “High,” “Low,” “Volume,” etc.) of each triggered alert.  |
| <b>Scroll</b>      | Adds the vertical scroll bar to the Alert Log window.   |
| <b>#Hits</b>       | Lets you see in the Alert Log window the number of times each triggered alert has been recorded.  |

### ***Determining How You Wish to be Alerted***

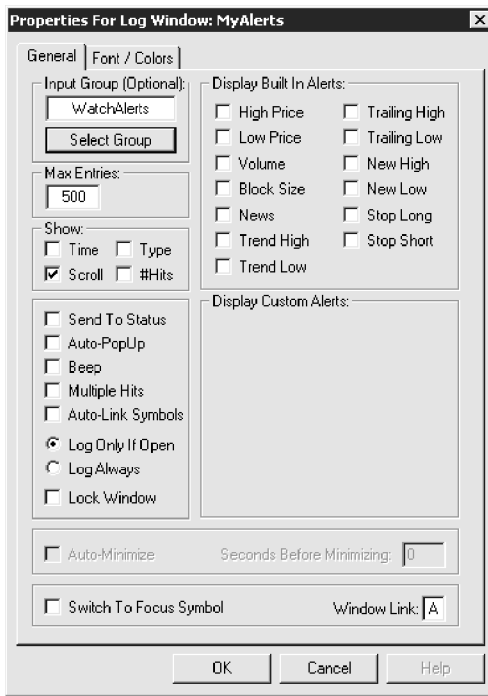
In addition to specifying the type of information to be recorded in the Alert Log window, you may also determine how you wish to be alerted.

The process of determining how to be alerted is simple:

- Click with the right mouse button in the body of the open Alert Log window, and select **Properties F4**.



- Select the “General” tab.



The following table provides descriptions of several components contained in the “General” tab that determine the ways you may be alerted:

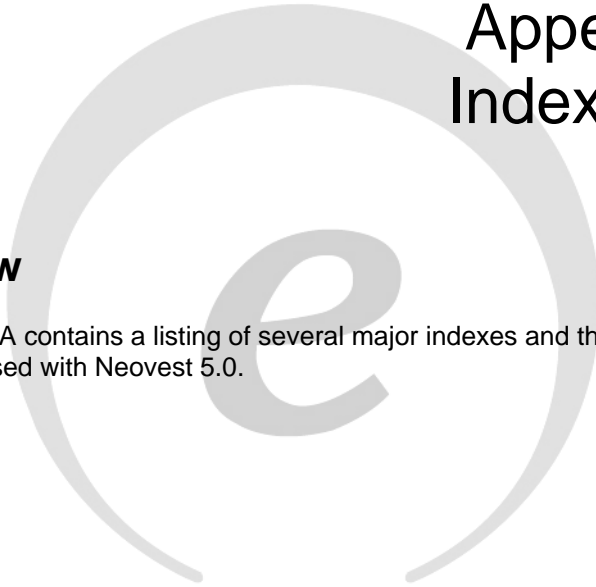
| Alert:                   | Description:  |
|--------------------------|---|
| <b>Auto-PopUp</b>        | Causes the Alert Log window to automatically restore to its full size if a new alert is received while the Alert Log window is minimized on the screen.   |
| <b>Beep</b>              | Causes the Alert Log window to sound an audible beep each time it receives a new alert.   |
| <b>Multiple Hits</b>     | Causes the Alert Log window to continually display new alerts for the same symbol. For example, if IBM continues to hit new highs throughout the day, then the Alert Log window will display each of the new high alerts for IBM. |
| <b>Auto-Link Symbols</b> | Causes all open Neovest 5.0 windows on the screen with the same link letter as the Alert Log window to automatically switch to the symbol for which the Alert Log window just received an alert.                                  |



# Appendix A Index Guide

## Overview

Appendix A contains a listing of several major indexes and their symbols that may be used with Neovest 5.0.



# Index Guide

The following is a listing of several major indexes and their symbols that may be used with Neovest 5.0.

## AMEX Indexes

**ADR.X**  
International Market Index

**BTK.X**  
Biotechnology Index

**CMR.X**  
MS Consumer Index

**CRX.X**  
MS Cmdty Equity Index

**CYC.X**  
MS Cyclical Index

**DDX.X**  
Disk Drive Index

**DRG.X**  
Pharmaceutical Index

**EMX.X**  
Major 8 European Index

**HKX.X**  
AMEX Hong Kong 30 Index

**HIMO.X**  
MS Healthcare Index

**HUI.X**  
AMEX Gold Bugs Index

**IIX.X**  
Inter@ctive Internet Index

**MID.X**  
S&P 400 Midcap Index

**MSH.X**  
MS High Tech 35 Index

**MXH.X**  
ML Health/Biotech Mitts

**NWX.X**  
Networking Index

**RMS.X**  
MS Reit Index

**RXH.X**  
MS Helthcare Provider  
Index

**RXP.X**  
MS Healthcare Product  
Index

**TOB.X**  
Tobacco Index

**TOP.X**  
Eurotop 100 Index

**XAL.X**  
Airline Index

**XAX.X**  
AMEX Composite Index

**XBD.X**  
Broker Dealer Index

**XCI.X**  
Computer Technology  
Index

**XII.X**  
Institutional Index

**XLT.X**  
Major Market Index Leaps

**XMI.X**  
Major Market Index

**XNG.X**  
Natural Gas Index

**XOI.X**  
Oil Index Open Settle

**XTC.X**  
North Amer Telecom Index

## **CME Indexes**

**GJX**

GS Energy Sub

**GKX**

GS Agricultural Sub

**GNX**

Goldman Sachs Index

**GPX**

GS Prec Metals Sub

**GTX**

GS Total Return

**GVX**

GS Livestock Sub

**GXX**

GS Fut Index

**IDX**

S&P 400 Midcap Index

**IGX**

S&P 500/Barra Growth Index

**INX**

S&P 500 Index

**IQX**

NASDAQ 100 Index

**IUX**

Russell 2000 Index

**IVX**

S&P 500/Barra Value Index

**OEX**

S&P 100 Index

## **Comstock Indexes**

**COMP**

Dow Composite Index

**DVOLA**

AMEX Down Volume

**DVOLN**

NYSE Down Volume

**DVOLQ**

NASDAQ Down Volume

**INDU**

Dow Industrials Index

**ISSA**

AMEX Issues

**ISSQ**

NASDAQ Issues

**ISSU**

NYSE Issues

**QQV.X**

QQQ Volatility Index

**TICK**

NYSE Issues Up/Down Ratio

**TIKI**

DJIA Issues Up/Down Ratio

**TIKQ**

NASDAQ Issues Up/Down Ratio

**TRAN**

Dow Transport Index

**TRIN**

NYSE Short Term Trade Index

**TRINQ**

NASDAQ Short Term Trade Index

**TVOLA**

AMEX Total Volume

**TVOLN**

NYSE Total Volume

**TVOLQ**

NASDAQ Total Volume

**UTIL**

Dow Utilities Index

**UVOLN**

NYSE Up Volume

## **NASDAQ Indexes**

### **BANKX**

Combined Bank Index

### **COMPX**

Combined Composite Index

### **INDSX**

Combined Industrial Index

### **INSRX**

Combined Insurance Index

### **IXA.X**

NASDAQ ADR Index

### **IXBTX**

Combined Biotech Index

### **IXC.X**

Chicago Regional Index

### **IXCOX**

Combined Computer Index

### **IXF.X**

Financial 100 Index

### **IXL.X**

Los Angeles Regional Index

### **IXN.X**

New York Regional Index

### **IXS.X**

San Francisco Regional Index

### **IXTCX**

Combined Telecom Index

### **IXW.X**

Washington D.C. Reg Index

### **NCMPX**

National Market Comp Index

### **NDX.X**

NASDAQ 100 Index

### **OFINX**

Combined Finance Index

### **TRANX**

Combined Transport Index

## **NYSE Indexes**

### **ND.X**

Industrial Index

### **NF.X**

Financial Index

### **NHB.X**

Beta Index

### **NNA.X**

Utility Index

### **NV.X**

Transportation Index

### **NYA.X**

Composite Index

## **OPRA Indexes**

### **CEX.X**

S&P Chemical Index

### **DJX.X**

Dow Industrial Index 1/100

### **DTX.X**

Dow Jones Transport Index 1/10

### **DUX.X**

Dow Jones Utility Index

### **FVX.X**

5-Yr T-Note Index

### **GHA.X**

GSTI Hardware Index

### **GIN.X**

GSTI Internet Index

### **GIP.X**

GSTI Multimedia Ntwrk Index

### **GSM.X**

GSTI Semiconductor Index

### **GSO.X**

GSTI Software Index

### **GSV.X**

GSTI Services Index

### **GTC.X**

GSTI Composite

## **OPRA Indexes (continued)**

**HCX.X**  
S&P Healthcare Index

**INX.X**  
CBOE Internet Index

**IRX.X**  
13-Week T-Bill Index

**IUX.X**  
S&P Insurance Index

**NDX.X**  
NASDAQ 100 Index

**NFT.X**  
MS Multinational Comp  
Index

**OEX.X**  
S&P 100 Index

**OIX.X**  
CBOE Oil Index

**RLX.X**  
S&P Retail Index

**RUT.X**  
Russell 2000 Index

**SGX.X**  
S&P Barra Growth Index

**SML.X**  
S&P Smallcap 600 Index

**SPL.X**  
S&P 500 Index Long Term

**SPX.X**  
S&P 500 Index

**SPZ.X**  
S&P 500 Index Overflow

**SVX.X**  
S&P Barra Value Index

**TNX.X**  
10-Yr T-Note Index

**TRX.X**  
S&P Transport Index

**TXX.X**  
CBOE Technology Index

**TYX.X**  
30-Yr T-Bond Index

**VDX.X**  
NASDAQ 100 1/10 Index

**VIX.X**  
Market Volatility Index

## **PHLX and PSE Indexes**

**BKX.X**  
Bank Sector Index

**EGI.X**  
MS Emerging Growth  
Index

**FPP.X**  
Forest & Paper Sector  
Index

**OSX.X**  
Oil Service Sector Index

**PSE.X**  
High Technology Index

**SOX.X**  
Semiconductor Sector  
Index

**UTY.X**  
Utility Sector Index

**VLE.X**  
Valueline Comp Sector  
Index

**WSX.X**  
Wilshire Smallcap Index

**XAU.X**  
Gold and Silver Sector  
Index

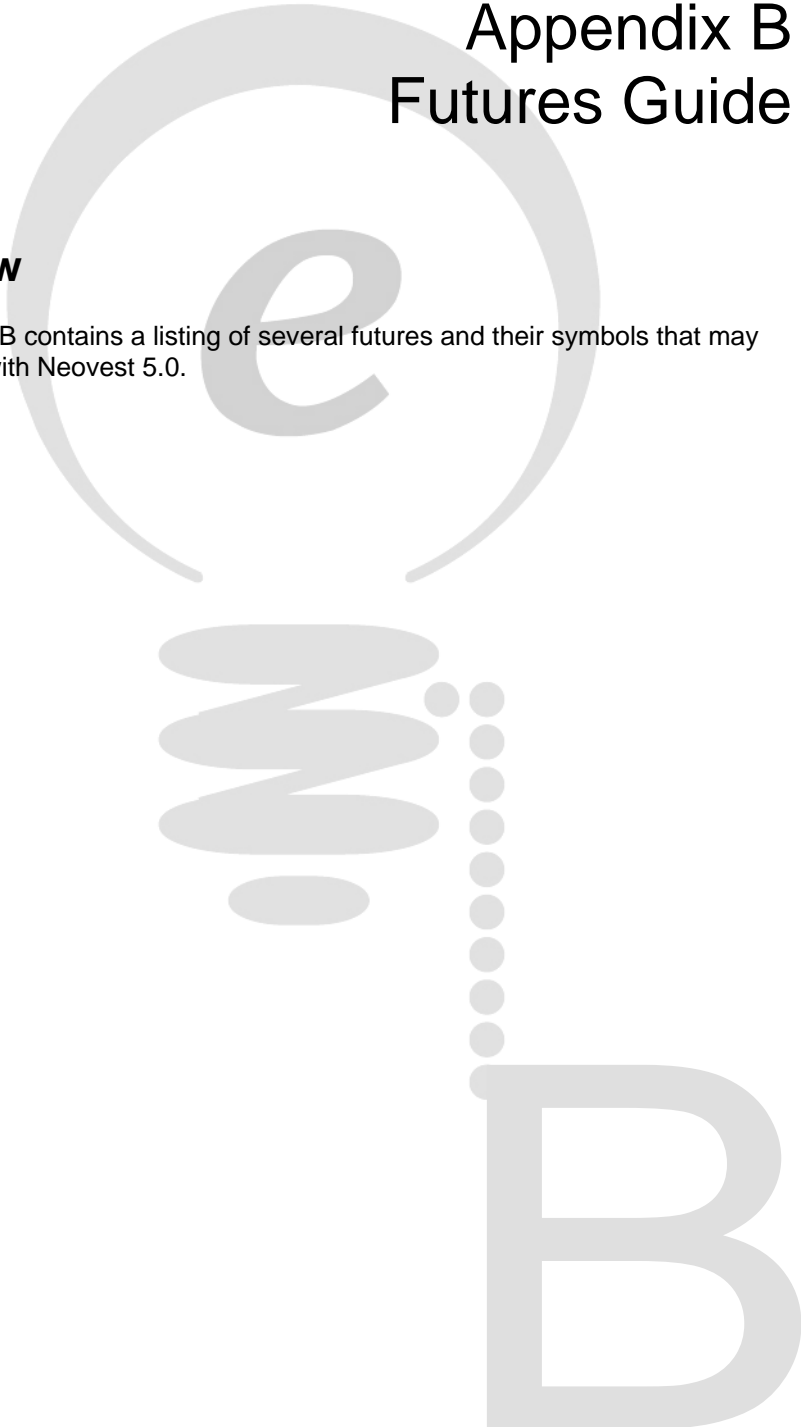
**XOC.X**  
National OTC Index



# Appendix B Futures Guide

## Overview

Appendix B contains a listing of several futures and their symbols that may be used with Neovest 5.0.



# Futures Guide

The following is a listing of several futures and their symbols that may be used with Neovest 5.0.

When entering futures contracts into Neovest 5.0, you must use the appropriate symbol, month, and year codes by combining the symbol with the month and year that the contract ends.

For example, to enter the appropriate symbol for the S&P 500 June 2002 futures contract, combine the symbol for S&P 500 ("SP") with the June month code ("M") and the last numeral of the year ("2") to form the symbol "SPM2."

Two additional examples:

- September 2002 NASDAQ 100 contract: NDU2
- December 2002 US 30 Yr. T-Bond: USZ2

By using the following tables as guides, you may determine the appropriate symbols for several futures contracts. For a complete list of symbol codes for futures contracts and indexes, visit [www.neovest.com](http://www.neovest.com).

## Month Codes

### Day-Session Month Codes

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

### Globex/Night Month Codes

|              |               |
|--------------|---------------|
| A = January  | L = July      |
| B = February | O = August    |
| C = March    | P = September |
| D = April    | R = October   |
| E = May      | S = November  |
| I = June     | T = December  |

## Commonly Used Futures

### Currencies

| Future | Months | Description                | Future | Months | Description           |
|--------|--------|----------------------------|--------|--------|-----------------------|
| AD     | HMUZ   | Australian Dollar          | MP     | HMUZ   | Mexican Peso          |
| AD     | CIPT   | Australian Dollar (Globex) | MP     | CIPT   | Mexican Peso (Globex) |
| BP     | HMUZ   | British Pound              | NE     | HMUZ   | New Zealand           |
| BP     | CIPT   | British Pound (Globex)     | NE     | CIPT   | New Zealand (Globex)  |

### Currencies (continued)

| Future | Months          | Description                 | Future | Months          | Description                |
|--------|-----------------|-----------------------------|--------|-----------------|----------------------------|
| BR     | All             | Brazilian Real              | R2     | December        | Russian Ruble              |
| BR     | All<br>(Globex) | Brazilian Real<br>(Globex)  | R2     | December        | Russian Ruble<br>(Globex)  |
| CD     | HMUZ            | Canadian Dollar             | RA     | All             | S African Rand             |
| CD     | CIPT            | Canadian Dollar<br>(Globex) | RA     | All<br>(Globex) | S African Rand<br>(Globex) |
| DM     | CIPT            | Deutschmark<br>(Globex)     | RF     | CIPT            | Euro FX/BP (Globex)        |
| E7     | CIPT            | E-Mini Euro FX<br>(Globex)  | RP     | CIPT            | Euro FX/SF (Globex)        |
| EC     | HMUZ            | Euro                        | RU     | HMUZ            | "New" Russian Ruble        |
| EC     | CIPT            | Euro (Globex)               | RU     | CIPT            | "New" Ruble (Globex)       |
| FR     | CIPT            | French Franc<br>(Globex)    | RY     | CIPT            | Euro FX/JY (Globex)        |
| J7     | CIPT            | E-Mini J-Yen<br>(Globex)    | SF     | HMUZ            | Swiss Franc                |
| JY     | HMUZ            | Japanese Yen                | SF     | CIPT            | Swiss Franc (Globex)       |
| JY     | CIPT            | Japanese Yen<br>(Globex)    |        |                 |                            |

### Equity and Other Indices

| Future | Months          | Description                | Future | Months | Description                     |
|--------|-----------------|----------------------------|--------|--------|---------------------------------|
| ES     | CIPT            | E-Mini S&P 500<br>(Globex) | NQ     | CIPT   | E-Mini Nasdaq 100<br>(Globex)   |
| FE     | CIPT            | Fortune e-50<br>(Globex)   | QB     | CIPT   | QBI (Globex)                    |
| GI     | All             | Goldman Sachs              | RL     | HMUZ   | Russell 2000                    |
| GI     | All<br>(Globex) | Goldman Sachs<br>(Globex)  | RL     | CIPT   | Russell 2000 (Globex)           |
| MD     | HMUZ            | S&P 400                    | SG     | HMUZ   | S&P 500 Barra<br>Growth Index   |
| MD     | CIPT            | S&P 400<br>(Globex)        | SG     | CIPT   | SP 500 Growth Index<br>(Globex) |
| MX     | HMUZ            | IPC Stock Index            | SP     | HMUZ   | S&P 500                         |
| MX     | CIPT            | IPC Stock<br>(Globex)      | SP     | CIPT   | S&P 500 (Globex)                |
| ND     | HMUZ            | Nasdaq 100                 | SU     | HMUZ   | S&P 500 Barra Value<br>Index    |
| ND     | CIPT            | Nasdaq 100<br>(Globex)     | SU     | CIPT   | SP 500 Growth Index<br>(Globex) |
| NK     | HMUZ            | Nikkei 225                 |        |        |                                 |

## Weather Products

| Future | Months  | Description             | Future | Months | Description             |
|--------|---------|-------------------------|--------|--------|-------------------------|
| H1-H0  | RSTABCD | Heating Degree (Globex) | K1-K0  | EILOP  | Cooling Degree (Globex) |

### New York Mercantile Exchange (COMEX)

| Future | Months | Description     | Future | Months | Description    |
|--------|--------|-----------------|--------|--------|----------------|
| ER     | HMUZ   | Eurotop (COMEX) | HG     | All    | Copper (COMEX) |
| GC     | GJMQVZ | Gold (COMEX)    | SI     | FHKNUZ | Silver (COMEX) |

### New York Mercantile Exchange (NYMEX)

| Future | Months | Description              | Future | Months | Description    |
|--------|--------|--------------------------|--------|--------|----------------|
| CL     | All    | Light, Sweet Crude Oil   | PA     | HMUZ   | Palladium      |
| GU     | All    | Unleaded Gas, Gulf Coast | PL     | FJNV   | Platinum       |
| HO     | All    | Heating Oil              | PN     | All    | Propane Gas    |
| HU     | All    | Unleaded Gas, NY Harbor  | SC     | All    | Sour Crude Oil |
| NG     | All    | Natural Gas              |        |        |                |

### Chicago Board of Trade Exchange (CBOT) — Agricultural

| Future | Months  | Description           | Future | Months | Description              |
|--------|---------|-----------------------|--------|--------|--------------------------|
| BO     | FHKNUVZ | Soybean Oil           | W      | HKNUZ  | Wheat                    |
| C      | HKNUZ   | Corn                  | YC     | UVXF   | U.S. Corn Yields Ins.    |
| CA     | UVXF    | Iowa Corn Yields Ins. | YG     | UVXF   | Illinois corn Yield Ins. |
| O      | HKNUZ   | Oats                  | YH     | UVXF   | Indiana Corn Yield Ins.  |
| RR     | FHKNUX  | Rough Rice            | YI     | UVXF   | Nebraska Corn Yield Ins. |
| S      | FHKNUX  | Soybeans              | YJ     | UVXF   | Ohio Corn Yields Ins.    |
| SM     | FHKNUX  | Soybean Meal          |        |        |                          |

### Chicago Board of Trade Exchange (CBOT) — Financial

| Future | Months | Description             | Future | Months | Description            |
|--------|--------|-------------------------|--------|--------|------------------------|
| AG     | GJMQVZ | Silver (1000 troy oz.)  | KI     | GJMQVZ | Gold (kilo)            |
| CN     | HMUZ   | Canadian T-Bonds 10 yr. | SV     | GJMQVZ | Silver (5000 troy oz.) |
| FF     | All    | 30 day Fed. Funds       | TU     | HMUZ   | U.S. T-Notes 2 yr.     |
| FV     | HMUZ   | U.S. T-Notes 5 yr.      | TY     | HMUZ   | U.S. T-Notes 10 yr.    |
| GH     | GJMQVZ | Gold                    | US     | HMUZ   | U.S. T-Bonds           |

### Chicago Board of Trade Exchange (CBOT) — Indices

| Future | Months | Description              | Future | Months | Description       |
|--------|--------|--------------------------|--------|--------|-------------------|
| DE     | HMUZ   | Dow Jones Composite      | DR     | HMUZ   | Dow Jones Utility |
| DJ     | HMUZ   | Dow Jones Industrial     | MB     | HMUZ   | Muni Bond Index   |
| DQ     | HMUZ   | Dow Jones Transportation |        |        |                   |

### Chicago Board of Trade Exchange (CBOT) — Other

| Future | Months | Description          | Future | Months | Description       |
|--------|--------|----------------------|--------|--------|-------------------|
| FZ     | HMUZ   | Diammonium Phosphate | NZ     | GJMUZ  | Anhydrous Ammonia |

### Chicago Board of Trade Exchange (CBOT) — Other

| Future | Months | Description          | Future | Months | Description        |
|--------|--------|----------------------|--------|--------|--------------------|
| AN     | HMUZ   | 10-year Agency Notes | ZF     | HMUZ   | U.S. T-Note 5 yr.  |
| ZB     | HMUZ   | U.S. T-Bond          | ZN     | HMUZ   | U.S. T-Note 10 yr. |
| ZD     | HMUZ   | Dow Jones Industrial | ZT     | HMUZ   | U.S. T-Note 2 yr.  |

### Chicago Board of Trade Exchange (CBOT) — All or None Financial

| Future | Months | Description       | Future | Months | Description        |
|--------|--------|-------------------|--------|--------|--------------------|
| QQ     |        | Muni Bond Index   | VN     |        | 10 yr. Agency Debt |
| QW     |        | U.S. T-Note 2 yr. |        |        |                    |

### New York Cotton Exchange — Currencies

| Future | Months | Description                   | Future | Months | Description                    |
|--------|--------|-------------------------------|--------|--------|--------------------------------|
| AR     | HMUZ   | Australian/New Zealand Dollar | SS     | HMUZ   | British Pound/Swiss Franc      |
| AU     | HMUZ   | Australian/U.S. Dollar        | SY     | HMUZ   | British Pound/Japanese Yen     |
| EJ     | HMUZ   | Euro/Japanese Yen             | YA     | HMUZ   | Australian Dollar/Japanese Yen |
| EO     | HMUZ   | Euro/U.S. Dollar              | YD     | HMUZ   | U.S. Dollar/Canadian Dollar    |
| EP     | HMUZ   | Euro/Canadian Dollar          | YF     | HMUZ   | U.S. Dollar/Swiss Franc        |
| EU     | HMUZ   | Large Euro/U.S. Dollar        | YP     | HMUZ   | British Pound/U.S. Dollar      |
| GB     | HMUZ   | Euro/British Pound            | YY     | HMUZ   | U.S. Dollar/Japanese Yen       |

### New York Cotton Exchange — Currencies (continued)

| <b>Future</b> | <b>Months</b> | <b>Description</b>              | <b>Future</b> | <b>Months</b> | <b>Description</b>          |
|---------------|---------------|---------------------------------|---------------|---------------|-----------------------------|
| HR            | HMUZ          | U.S.<br>Dollar/S.Africa<br>Rand | ZX            | HMUZ          | New Zealand/U.S.<br>Dollar  |
| OL            | HMUZ          | Euro/Norwegian<br>Krone         | ZY            | HMUZ          | Swiss Franc/Japanese<br>Yen |
| RZ            | HMUZ          | Euro/Swiss<br>Franc             |               |               |                             |

### Kansas City Board of Trade

| <b>Future</b> | <b>Months</b> | <b>Description</b> | <b>Future</b> | <b>Months</b> | <b>Description</b> |
|---------------|---------------|--------------------|---------------|---------------|--------------------|
| IS            | HMUZ          | ISDEX              | KW            | HKNUZ         | Wheat              |
| KG            | All           | Natural Gas        | MV            | HMUZ          | Mini Value Line    |
| KV            | HMUZ          | Value Line         |               |               |                    |