### AccuSet (TM) 3.5b System Clock Enhancement Utility

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### Introduction

AccuSet was developed to provide users of the Microsoft Windows environment with a solution for accurately setting and maintaining their computer's date and time. AccuSet provides this service by using your modem to <u>synchronize</u> your system's internal clock with a cesium <u>atomic clock</u> at one of the following sites:

National Institute of Standards & Technology (<u>NIST</u>) in Boulder, Colorado United States Naval Observatory (<u>USNO</u>) in Washington, DC <u>Telstra (Australia)</u> (Australia) Precision Timing (Sweden) National Electrotechnical Institute (Italy) Technical University of Graz (Austria) National Research Council (Canada) Federal Institute of Physics and Metrology (Germany) BBC Dial-In Time Service (United Kingdom)

### **AccuSet Features:**

Offers the most accurate <u>synchronization</u> possible with more <u>atomic clocks</u> than any other program.

Determines the <u>accuracy</u> of your PC's internal clock. AccuSet can then make corrections to the system clock to compensate for its error rate, without the need for a telephone call.

Displays the date/time for any five (user-configurable) cities around the world.

When minimized, AccuSet can optionally place the current system date and/or time in the title bar of the active window. The formats of the date/time are highly user-configurable.

Displays the estimated correct time and number of seconds the clock has deviated from the actual time, based on the internal clock's rated accuracy.

Support for <u>automated Daylight Savings Time</u> handling. AccuSet directly supports the DST rules for North America, United Kingdom, Continental Europe, China and Australia. Users can also manually define DST starting/ending dates.

Support for overdue modem synchronization and excessive error compensation <u>warnings</u>.

AccuSet will assist first time users to properly configure the program with a series of easy to understand questions.

Support for manual time adjustments.

Commercial-quality, intuitive interface. Supports a user-selectable digital or text interface.

Easy to use and configure - with automatic modem detection.

Supports call logging. Any adjustment AccuSet makes to the internal clock is recorded, in detail, to a log file. This information can be printed or used to generate a graphical plot of historical accuracy readings.

Supports the international date/time settings as defined in the Windows Control Panel.

Support for local half-hour time zones.

Works with any speed modem using the AT command set.

Supports the <u>startup parameters</u> (/AUTOSYNC) and (/AUTOADJUST) which will cause AccuSet to automatically adjust the time by either <u>synchronizing</u> with the desired <u>atomic</u> <u>clock</u> or by adjusting the clock based on its rated <u>accuracy</u> and then self-terminate.

Automatic disconnection if the selected service is unavailable.

Call waiting can be disabled during the <u>synchronization</u> process.

Users can choose between using the default generic or a user-defined modem initialization string. Hang-up strings are also user-configurable.

Displays the date and time of the last synchronization.

Can be <u>registered</u> via the CompuServe Software Registration Forum (GO SWREG)! AccuSet's registration ID number is **2407**. Registered users will receive an access code that can be used to register all future versions of the program, *free of charge*.

Extremely low cost!

### **Registering AccuSet**

AccuSet(TM) 3.5b is not public domain software, nor is it free software. The use of AccuSet is subject to the following terms and conditions: Non-licensed users are granted a limited license to use AccuSet on a 21-day trial basis for the purpose of determining whether AccuSet is suitable for their needs. The use of AccuSet, except for an initial 21-day trial, requires registration. The use of unlicensed copy(ies) of AccuSet by any person or business is strictly prohibited. Registration entitles you to use AccuSet. Retsik Software will provide you with the access code necessary to personalize your copy of the program and (if you desire) will mail you a registration confirmation notice to prove to your corporate auditors that the software has been legally registered.

The access code you receive can also be used to register all future versions of the program, *free of charge*.

### AccuSet can be registered in one of the following ways:

### Via CompuServe's Shareware Registration Forum (GO SWREG):

AccuSet's program ID is 2407.

### Via electronic mail, using MasterCard/Visa:

Send an email message containing the following information:

- Your Name
- Company (if applicable)
- Address
- City, State, ZIP
- Country
- Telephone Number
- Credit Card Number / Expiration Date

to one of our following email addresses:

-	70254,2017	(CompuServe)
-	SDKister	(America Online)
-	70254.2017@compuserve.com	(via the internet)

### Via fax, using MasterCard/Visa:

Just print/complete the order form and fax it to (717) 732-5048.

View/Print Order Form

### Via the AccuSet Support BBS, using MasterCard/Visa:

Using a communications program, call the AccuSet Support BBS, (717) 732-4067. Proceed to the **Credit Card Registration** option on the Main Menu and follow the on-screen directions.

Your access code will be shipped immediately upon verification.

### Via postal mail, using credit card/check/cash/money order:

View/Print Order Form

Your order will be shipped immediately upon receipt.

### **Obtaining Technical Support**

If you should encounter difficulties with AccuSet, proceed to <u>Common Problems and</u> <u>Solutions</u> help topic. If you cannot resolve the difficulty on your own, you can obtain prompt and courteous support for this program in a variety of ways:

### The AccuSet Support BBS:

Telephone Number: (717) 732-4067.

Speeds up to 14,400 baud are currently supported. Configure your communications program to N-8-1 (no parity, 8 data bits, 1 stop bit). The terminal emulation should be set to ANSI-BBS.

Address all e-mail to **SYSOP**. The most recent version of the program will also be available for downloading. The AccuSet Support BBS is your best source for information regarding the program.

### Via Fax:

Fax Number: (717) 732-5048.

### **CompuServe:**

E-mail address: **70254,2017**.

### **America On-Line:**

E-mail address: **SDKister**.

### Via the Internet:

E-mail address: 70254.2017@compuserve.com.

### Or, by writing to the following address:

RETSIK SOFTWARE c/o: Scott D. Kister P.O. Box 50 Enola, PA 17025-0050 USA

If you should have any ideas for product improvement or detect any problems, we are most interested in hearing them!

### **Disclaimer**

Retsik Software does not warrant that the AccuSet program will meet your requirements or that the operation of the software will be uninterrupted or error-free. Nor does Retsik Software offer any warranties or guarantees of any kind. Your are free to use AccuSet in any way you see fit, but at your own risk.

Retsik Software is not responsible for any problems or damages caused by the software or that may result from using the software; whether it is licensed or not. This includes, but is not limited to, computer hardware, computer software, operating systems and any computer or computing accessories. End user agrees to hold the author and/or any persons associated with the creation of this software harmless for any problems arising from the use of this software.

### **Future Enhancements**

AccuSet, like any other software program, is in a continual state of growth and enhancement. After using (and hopefully <u>registering</u>) this program, you'll certainly have some ideas on how to improve upon it. **We're very interested in hearing them!** Each version of AccuSet has been shaped by its users - **if there's something you want, we would like to know!** 

Contacting Retsik Software

Thanks in advance for any feedback you may have!

### **AccuSet Configuration**

When you select **Configure...** from the main window, the configuration dialog box will be displayed. The configuration dialog is divided into the following six groups of related items, which can be accessed by either clicking on the desired tab or by pressing the desired hotkey accelerator combination:

### HARDWARE:

This section deals with hardware-related configuration options such as serial port selection and modem configuration.

### **Detailed Hardware Section Help**

### **SERVICE:**

This section deals with the configuration of the time synchronization source, local <u>time</u> <u>zone</u> settings and <u>Daylight Savings Time</u> configuration.

Detailed Time Service Section Help

### **ALERTS:**

This section deals with the configuration of system alerts.

Detailed Alerts Section Help

### **GENERAL:**

This section deals with the configuration of miscellaneous items such as modem result codes, busy signal options, the synchronization time-out delay, and call waiting disabling.

**Detailed General Section Help** 

### **INTERFACE:**

This section deals with the configuration of AccuSet's user interface.

Detailed User Interface Help

### **DISPLAY:**

This section deals with the configuration of the digital/text displays.

**Detailed Display Section Help** 

### **Program Requirements**

The following list displays the required hardware and software necessary to use AccuSet:

Microsoft Windows 3.0/3.10/3.11, Windows for Workgroups 3.1/3.11 Hayes-Compatible Modem Visual Basic Runtime (VBRUN300.DLL)

### NOTE:

AccuSet 3.5b has also been successfully tested to be compatible with Windows 95, OS/2 2/X and OS/2 Warp.

This version of AccuSet was not designed to run under Microsoft Windows/NT. A Windows/NT-specific version is planned. Stay tuned to the AccuSet Support BBS for further information.

The Visual Basic runtime module is not included in this archive due to its size. It can be downloaded from a variety of locations:

### **AccuSet Support BBS:**

(717) 732-4067

Speeds up to 14,400 baud are currently supported. Your communications program should be configured for a N-8-1 ANSI-BBS connection.

### **CompuServe:**

GO WINSHARE

The file to download is VBRUN3.ZIP

or

### Most local BBS's...

Once obtained, VBRUN300.DLL should be installed in the \WINDOWS\SYSTEM sub directory.

### Synchronizing the Date/Time

Once AccuSet has been properly <u>configured</u>, <u>synchronizing</u> your computer's date and time is very simple.

Simply click on the **Synchronize Clock** button in order to start the dialing process.

If the program has been configured correctly, the modem will dial the service you specified in the configuration section. Once connected, your internal clock will then be <u>synchronized</u> to atomic precision.

After the synchronization process is complete, AccuSet will automatically terminate the call.

If at any time during the synchronization process you wish to abort, simply click on the **ABORT** button.

If the selected service was busy, AccuSet will automatically disconnect the call.

After the second synchronization is made, AccuSet will have the necessary information to calculate the number of seconds (on average) your computer has either lost or gained per day since the last synchronization.

### What's New...

To view a detailed listing of the changes which have occurred to AccuSet since its inception, view the WHATSNEW.WRI file which accompanied this program.

If you have any suggestions for <u>future enhancements</u>, we would appreciate <u>hearing them</u>!

### **Adjustment Log**

When you select **Adjustment Log...** from the main program window, the detailed adjustment log will be displayed.

Each adjustment (includes <u>synchronizations</u> with an external time service, <u>manual</u> <u>adjustments</u> (made by using AccuSet) and adjustments made to <u>compensate for the internal</u> <u>clock's error rate</u>) AccuSet made to the system clock is displayed, The entries are sorted by the date and time each adjustment occurred. The following information is displayed:

### Date:

The date the synchronization/adjustment occurred.

#### Time:

The time the synchronization/adjustment occurred.

#### Service:

The service which was used to perform the <u>synchronization</u>. If AccuSet performed a correction to the system clock based on the internal clock's error rate, this field will contain "**ACCUSET**". If a manual clock adjustment was made, the word "**MANUAL**" will appear in this field.

If a time adjustment was performed manually and the **Use Adjustment as Basis for Computing Accuracy** option was selected, and asterisk will appear beside the word "MANUAL."

### **Rated Accuracy:**

The internal clock's rated accuracy (calculated based on the time which was lost/gained since the last synchronization occurred). If AccuSet was used to perform a correction to the system's time, the most-recently calculated accuracy (obtained from the last synchronization with an <u>atomic clock</u>) is entered here.

### **Seconds Adjusted:**

The number of seconds the internal clock was adjusted during the current operation.

Running totals for each type of adjustment which occurred are also displayed.

### **Items to Display:**

You also have the option of filtering the log listing to display only synchronizations, error compensations, manual adjustments or all adjustment events.

If you wish to view a graphical plot of the accuracies calculated by AccuSet during each modem synchronization, select either the **Accuracy Graph** tab or press **Alt-G**. The accuracy readings will then be plotted in date order (up to seven of the most recent readings are displayed)

Navigating the tab pages can also be accomplished by using the PgUp and PgDn keys.

Selecting **Print** from this dialog will cause AccuSet to print a hard copy of the detailed adjustment log to the default printer.

If you wish to purge the contents of the synchronization log, select the **Clear Log** button. **Once the log records have been removed, they cannot be recovered.** 

### **Compensating for Internal Clock Error Rate**

Once the internal clock's accuracy has been determined, AccuSet can correct the system time to compensate for the amount of time it loses or gains - *without making a telephone call*!.

## AccuSet must first determine your internal clock's error rate (accuracy). This procedure is performed as follows:

After AccuSet has performed two successful <u>synchronizations</u> with an external time service (such as the <u>NIST</u> or <u>USNO</u>), it knows two points in time where your clock's time was accurate.

After the second <u>synchronization</u> occurs, AccuSet computes the amount of time which was lost or gained by the internal clock since the first synchronization was performed.

AccuSet will then calculate the amount of time which has elapsed between the two synchronizations. The accuracy is then calculated by dividing the amount of time which was lost or gained by the amount of time which has elapsed between the two synchronizations (taking into account any adjustments made to the system clock via AccuSet). This result is then converted to seconds per day.

### NOTE:

# Ideally, the accuracy of your internal clock is best determined when the two synchronizations occur at least one or more days apart. This will give your internal clock the necessary time to show its "true colors."

With this information, AccuSet can make adjustments to your internal clock which correct for its error rate. This process can be initiated in either of two ways:

By selecting **Error Compensation...** in the main program window

### or

During program <u>startup</u>, using the /AUTOADJUST parameter.

### NOTE:

Some PC clocks are not only inaccurate, but inconsistent with their error rates as well. If you discover that the computed error rate fluctuates wildly from synchronization to synchronization, it is not recommended that you use AccuSet's error compensation feature. It is considered normal, however, for the computed accuracy to vary slightly.

### **Startup Parameters**

AccuSet provides the ability to automate the following functions through startup parameters:

### Synchronizing the clock

Adjusting the system time, based upon the internal clock's calculated error rate (accuracy).

### **Startup Parameters:**

### /AUTOSYNC

Causes AccuSet to <u>synchronize</u> your clock with the default time service and, upon a successful synchronization, self-terminate.

If the synchronization was unsuccessful (e.g.: busy signal, modem difficulties, etc.), AccuSet will inform you of the problem and wait for your response.

### /AUTOADJUST

Causes AccuSet to correct the system time, based upon its calculated <u>accuracy</u>, and then self-terminate.

If the operation was unsuccessful (e.g.: accuracy has not yet been determined, no adjustments were necessary, etc.), AccuSet will inform you of the problem and wait for your response.

### /AUTOADJUSTQUIET

Same as the /AUTOADJUST parameter, except that all messages are suppressed.

### /NOEXIT

When placed after one of the aforementioned parameters, AccuSet will not selfterminate. Normally, AccuSet terminates execution upon the completion of a startup parameter operation.

You can use these startup parameters in conjunction with a Windows scheduling program to automatically <u>synchronize</u> (or adjust) your system's time on a scheduled basis. Simply include the desired startup parameter after the command you use to start AccuSet (be sure to include a space before each parameter):

### **Examples:**

To have AccuSet start and automatically <u>synchronize</u> the internal clock with the selected service and then self-terminate:

### C:\ACCUSET\ACCUSET.EXE /AUTOSYNC

To have AccuSet start and automatically adjust the internal clock to compensate for its calculated error rate and then continue to run:

### C:\ACCUSET\ACCUSET.EXE /AUTOADJUST /NOEXIT

### Adding AccuSet to the Program Manager Startup Group:

Double-click on the Startup Group to open it.

Select FILE from the Program Manager.

Select NEW, the New Program Object dialog will be displayed.

Ensure that the PROGRAM ITEM radio button is selected, then select OK. The Program Item Properties dialog will be displayed. Enter the following for each item:

DESCRIPTION: AccuSet COMMAND LINE: C:\ACCUSET\ACCUSET.EXE /AUTOADJUST (You could optionally replace "/AUTOADJUST" with "/AUTOADJUSTQUIET")

WORKING DIRECTORY: SHORTCUT KEY: **none** 

Select OK to save these settings.

### synchronize

To accurately match the date and time of the PC's internal clock with an outside source (i.e., the cesium <u>atomic clocks</u> located at either the <u>USNO</u>, <u>NIST</u>, Italy, Austria, Sweden, <u>Australia</u>, Canada, Germany or the <u>UK</u>) via modem.

### USNO

The United States Naval Observatory atomic clock located in Washington, DC.

The USNO is an official source, along with the <u>NIST</u>, for standard time in the USA. The positional measurement of celestial objects for purpose of time keeping and navigation has been the main work of the observatory since its beginning. In 1833 the first small observatory building was constructed near the Capitol. Time signals for the public were first given in 1844 by the dropping of a ball from a staff on an observatory building. In 1904 the observatory broadcast the world's first radio time signals.

The USNO is specifically responsible for standard time, time interval, and radio-frequency standards for use by the U.S. Department of Defense and its contractors. Both the USNO and the NIST maintain independent time standards, but since October 1968 they have been coordinated to maintain synchronization to approximately one microsecond. Both agencies cooperate with the Bureau International de l'Heure in Paris.

This service has less phone lines than the NIST and is generally quite busy. Modem connections can only be made at 1200 baud.

### NIST

The National Institute of Standards and Technology <u>atomic clock</u> located in Boulder, CO. This service has more available phone lines than the USNO and is generally the preferred service to use. Modem connections can be made at either 300, 1200 or 9600 baud. If you are using a high-speed (14.4 or 28.8K) modem, connecting with the NIST at 9600 baud tends to produce the best results.

### daylight savings time (DST)

The time observed when clocks and other timepieces are set ahead, usually by one hour, so that the sun will rise and set later in the day. DST conserves lighting power and provides more usable daylight hours for afternoon and evening activities.

First adopted during World War I by the U.S. and other countries, DST in the U.S. currently extends from the first Sunday in April to the last Sunday in October.

If you wish, AccuSet can be <u>configured</u> to automatically handle DST transitions.

### accuracy

The calculated error rate of your computer's internal clock, measured in the number of seconds it loses (or gains) per day.

AccuSet can calculate your clock's accuracy after two successful synchronizations have occurred.

### **AccuSet Upgrade Policy**

When you <u>register</u> AccuSet, you will receive an access code which can also be used to register all future shareware versions of the program, *at no further cost to you*. It's just our way of showing our appreciation to those who support the program...

The most recent version of AccuSet can always be downloaded from the <u>AccuSet Support</u> <u>BBS</u> as well as the WINSHARE forum of CompuServe.

### **International Calling**

AccuSet has the ability to synchronize your PC's internal clock with time services spanning three continents. This ability also introduces the inherent complexities of international dialing.

## Using AccuSet to synchronize with foreign time services from the United States:

To enable AccuSet to dial a remote service from the United States, you must modify the phone number for each foreign service in the following manner:

### **European Services:**

*Insert the international access code (011) and remove the plus sign (+) from the telephone number, for example:* 

Austria - 011 43 316472366

## Using AccuSet to synchronize with foreign time services from outside the United States:

Depending on your physical location, your telephone service may have special requirements for calling certain countries. Consult your telephone operator for assistance.

Please note that the European time services have a suffix for the country/city codes which may need to be removed to enable local calling access.

### **Common Problems and Solutions**

The following is a list of common problems and their solutions. If you cannot resolve the problem on your own, proceed to the <u>obtaining technical support</u> section of this help file.

## You receive the "Invalid File Format" error message when attempting to start the program:

This error is a result of incompatible versions of the EZTAB.VBX file used by the current version of AccuSet and versions of the program 3.0a and below. Since DLL and VBX files remain in memory (even after the program using them terminates), simply exiting Windows and restarting will correct the conflict.

If the problem exists even after rebooting Windows, ensure that the only copy of the EZTAB.VBX file on your system is located in the \WINDOWS\SYSTEM subdirectory (and nowhere else).

*Please note that you should only have one version of AccuSet resident on your system at any given time.* This will prevent these types of conflicts, as well as problems when attempting to ascertain the clock's accuracy.

## You receive the message, "ACCUSET.EXE is not a valid Win32 Application" error message:

This error is caused by renaming the compressed file ACCUSET.EX\_ to ACCUSET.EXE and attempting to run the program. Since the files included in the AccuSet distribution archive are compressed, the program **must** be installed using AccuSet's installation program, INSTALL.EXE.

### When starting AccuSet, the message "THREED.VBX IS OUT OF DATE" is displayed:

The THREED.VBX file, included with AccuSet, is a Visual Basic eXtension which provides AccuSet with its 3D visual effects. Since Visual Basic 3.0 was released, there have been several versions of THREED.VBX released. If you have another version of THREED.VBX located in your \WINDOWS\SYSTEM subdirectory (or have recently used another program with its own copy of a differing THREED.VBX version), the aforementioned message will be displayed.

Perform the following steps to correct the problem:

Copy the THREED.VBX file from the subdirectory containing AccuSet into the \ WINDOWS\SYSTEM subdirectory.

Exit from Windows to DOS and restart Windows. This will ensure that any previouslyloaded version of THREED.VBX has been removed from memory.

### **Computer Locks Up (Freezes) When Using AccuSet:**

If you have a Gateway 2000 machine and are encountering this difficulty, Gateway has provided a software patch to correct this problem with their serial ports. Download the file SER386.EXE from the AccuSet Support BBS, (717) 732-4067 or from the Gateway 2000 forum on CompuServe (GO GATEWAY).

### Difficulties are encountered after dialing has completed:

The modems connect (screeching sound, followed by silence), but the countdown delay is reached without a successful synchronization. There are many possible causes for this type of problem. The time service could be busy, or your modem was unable to properly "handshake" with the time service modem. Try selecting USE ALTERNATE INITIALIZATION STRING and try AT Q0 \N1 as the alternate initialization string. If the same problem occurs, contact Retsik Software or consult your modem reference manual for the necessary commands to disable error correction and data compression.

This is perhaps the most common first-time error, because there are a variety of likely causes: (To assist in determining the cause of the problem, make sure that SILENCE MODEM has not been selected in the configuration dialog. This will enable you to hear the progress of the connection)

Likely causes:

**The phone number (or dialing prefix) is incorrect.** Select RESTORE DEFAULTS from the configuration dialog. Ensure that the <u>time zone</u>, <u>daylight savings time</u> and COM port options are properly <u>configured</u>. Edit the phone number of the service to include any necessary dialing prefix (such as 8 for WATTS). If calling to a time service located in another country, refer to the <u>International Calling</u> help topic.

**An improper COM port was selected in the configuration section.** Select the configuration dialog and choose AUTO-DETECT PORT. AccuSet will then determine the proper communications port to which your modem is attached.

### After performing a synchronization, the time is incorrect:

This is most-likely the result of an improperly configured <u>time zone</u>. Most time services report time in <u>UTC</u> (Universal Time Coordinated) format. AccuSet automatically converts this time to that which is appropriate for your <u>time zone</u>. Depending on your physical location, ensure that the proper time zone has been selected. Another problem may be caused by <u>Daylight Savings Time</u>. Some countries, including the United States, move their clocks forward one hour in the summer months. If your area is currently using Daylight Savings Time, ensure that this option is checked.

## After upgrading from version 1.0, the Last Synchronization Date appears scrambled:

This problem is a result of an incompatibility between version 1.0 and 2.x initialization files, due to the addition of international date/time support. It can be resolved by either performing another synchronization or by deleting the ACCUSET.INI file. If ACCUSET.INI is removed, you will have to re-configure AccuSet.

## When AccuSet is started, Windows reports a General Protection Fault in XXXXXX.DRV:

This is caused by an incompatibility between graphical Visual Basic programs and your video driver. To correct this type of problem, contact your video board manufacturer for the latest video driver. You may also wish to obtain the latest VBRUN300.DLL (dated 12/93) from CompuServe (GO MSBASIC), the Microsoft Download Service or a local BBS. Another temporary solution is to use the generic Windows VGA driver included with Microsoft Windows.

### The modem will not pick up the phone:

This may be caused by many factors (like a modem which is not turned on). Other factors which may cause this problem are: Improper communications port selection (select CONFIGURE and use AccuSet's AUTO-DETECT PORT feature) or an incompatibility with AccuSet's modem initialization string. If the problem is being caused by an initialization string incompatibility, try the following: Select USE ALTERNATE INITIALIZATION STRING from the configuration dialog. Do not enter any initialization codes. Next, reset the modem (power off the modem, if external; if internal, power down your machine and restart).

### **BBC Dial-In Time Service**

The BBC's broadcast time signals are derived from a highly accurate time standard maintained at the Broadcasting House, London. It should be noted that this service is only available to those users who are calling from within the United Kingdom.

### **Manual Clock Adjustments**

If you so desire, you can adjust the system clock manually. AccuSet performs this function in a manner similar to the Windows Control Panel. To perform a manual adjustment to the system date/time, select Perform Manual Adjustment from the main window. The following dialog box will be displayed:

😑 🛛 🗧 Manual Clock Adjustmer	nt					
Date Month Day Year D & 05 & 1995	OK Cancel					
Time Hour Minute Seconds 01 ♥ 16 ♥ 40 ♥ ⊙ AM ○ Eneeze time during the adjustment						
<b>Use adjustment as a basis for computing accuracy</b> This adjustment will then be used as a basis for computing the clock's accuracy (as if a synchronization had been performed).						

The formats of the date and time are displayed using the Short Date and Time formats specified in the International Settings of the Control Panel.

### To change the date and time:

Select the part of the date or time you want to change, and then enter the new value.

or

Click the up or down arrow to increase or decrease the number by one.

### Choose the OK button.

### **OPTIONS:**

### Freeze Time During the Adjustment:

Select this option to keep the seconds counter from continuing to count (as does the Control Panel).

### Use Adjustment as a Basis For Computing Accuracy:

Select this option in order to treat the current manual adjustment in a manner similar to a modem synchronization. This adjustment will then be used as a basis for computing the accuracy.

This option is useful if you do not wish to call an atomic time service, but instead use

a radio time signal as a basis for obtaining an accurate time reference.

### Times Around the World...

AccuSet can display the dates/times for five (user-configurable) cities around the world. Each city can be configured individually by selecting its associated <u>Setup</u> button.

### **City Configuration...**

This section is used to define the configuration of the city you selected from the <u>Times in</u> <u>Cities Around the World</u> dialog window. This section is also used to define your physical location in the <u>Configuration</u> section:

Location Configuration	
City Configuration         Location Name:         Washington, DC - USA         Select From Pre-Configured Locations         Time Zone:         IGMT -51 U.S. Eastern	<u>O</u> K <u>C</u> ancel <u>H</u> elp
Local Half-Hour <u>T</u> ime Zone (+30 Minutes) Use Daylight Savings Time <u>D</u> aylight Savings Time Automation LED Display Color <u>© Green</u> <u>O Red</u> <u>D</u> lue <u>O Y</u> ellow <u>Use this color for all cities</u>	

### **Location Name:**

Enter the name of the city as it should appear in the frame.

### Select from Pre-Configured Locations:

If you prefer, you can select from a <u>pre-defined list</u> of cities around the world. AccuSet will then automatically configure the name, <u>time zone</u> and (if available) the automated <u>daylight savings time</u> rules for the location you select.

### Time Zone:

Select the <u>time zone</u> in which the city is located. *This information is used to determine the city's current time in relation to yours.* 

### Local Half-Hour Time Zone:

Specify whether or not this city is located in a local half-hour <u>time zone</u> (in which case AccuSet will add thirty minutes to its time, relative to Universal Time Coordinated). *This information is used to determine the city's current time in relation to yours.* 

### **Use Daylight Savings Time:**

Specify whether or not this city is currently using <u>Daylight Savings Time</u>. This information is used to determine the city's current time in relation to yours.

If you did not select a pre-defined location for which AccuSet automatically supports DST, you can select the **<u>Daylight Savings Time Automation</u>** button. You then have the option of selecting from a list of pre-configured DST rules or define the DST start/end dates manually.

### **LED Display Color:**

Select the color of the display LEDs (available only if the digital display was selected in the main <u>configuration</u> section. If you wish to have all cities display using this color, select the **USE THIS COLOR FOR ALL CITIES** check box.

If you prefer, you can select from a list of <u>pre-defined</u> locations.

To save any changes that you have made, select **OK**. If you wish to abort the changes you have made, select **CANCEL**.

### **Internal Clock Status Section**

This section displays the current system date and time as reported by your computer's internal clock.

If you should desire to alter the system clock manually, select <u>Perform Manual Adjustment</u>.

If you wish to hear an audible tone every second (in order to assist you in synchronizing another timepiece), click on the speaker icon.

### **Estimations Section**

This section will display the following items:

#### Accuracy:

The estimated amount of time your system clock will deviate from real time in one day (measured in seconds per day).

This value is determined by the amount of time the internal clock loses or gains between modem synchronizations. The best accuracy calculations are made when at least one or more days has elapsed between modem synchronizations.

#### Seconds in Error:

Based upon the internal clock's rated accuracy, the estimated number of seconds your internal clock has deviated from real time since the adjustment to the system clock was performed.

#### **Estimated Date/Time:**

Based upon the internal clock's rated accuracy, the estimated correct date and time.

### NOTE:

## This section is only enabled after two modem synchronizations have been performed (so that an accuracy reading could be obtained).

The following functions are also included within this section:

### **Error Compensation:**

This option is used to adjust the system clock to reflect the estimated correct date/time.

#### **Reset:**

This option is used to reset the calculated accuracy to 0 (zero), in the event an abnormally large value was reported during the last modem synchronization. If the estimated accuracy is currently 0 (zero), this option will be disabled.

### Telstra

The Australian time service, Telstra (formerly known as Telecom Australia), has local access numbers in the following cities: Adelaide, Brisbane, Darwin, Hobart, Melbourne, Perth and Sydney. Since these services report the local time for the state in which they are located, they should only be used if you are calling from within the state in which the service is located.

### **Hardware Configuration Options**

The following is an explanation of each available option:

### **Communications Port:**

Specify the COM port to which your modem is attached. AccuSet will inform you if you should make the wrong selection, or if it encounters difficulty during initialization.

If you desire to have AccuSet automatically determine the port to which your modem is attached, select Auto-Detect Port. If an active modem is detected, AccuSet will automatically make the correct port choice.

### **Baud Rate:**

The <u>NIST</u> supports connections at either 300, 1200 or 9600 baud. The <u>USNO</u> only supports 1200 baud connections.

As of the time AccuSet was released, the <u>atomic clock</u> modems will only support connection speeds at 1200 BPS (the NIST can also connect at 300/9600 BPS).

If you're using a 28.8K modem, the time service which is easiest to use is the NIST at 9600 BPS.

### **Dialing Method:**

If your telephone service does not support tone dialing capabilities, select pulse.

### **Modem Configuration:**

You can choose to either use AccuSet's default generic modem initialization string, or you can <u>enter one of your own</u>. The generic initialization string works with most Hayes-compatible modems. If you are not encountering difficulties, use the generic initialization string.

If AccuSet times out before a synchronization occurs, try using the alternate initialization string (AT Q0 \N1); if that does not work, consult your modem reference manual for the necessary commands to disable error correction and data compression or feel free to <u>contact Retsik Software</u> for further assistance.

### **Alternate Modem Initialization String:**

If you selected to use an alternate modem initialization string in the Modem Initialization section (possibly because your modem was incompatible with AccuSet's default initialization string), enter the command here. **Example: AT Q0 \N1**. For further assistance on alternative modem initialization commands, consult the <u>Modem</u> <u>Initialization</u> help topic.

### **Use CCITT V.21/V.22 Connection Protocol:**

If you are encountering difficulty connecting with a non-U.S. time service, select this

option.

### Silence Modem During Call:

If you do not wish to hear the modem during the call, check this box. *This option is only available if you selected* **Use Generic Modem Initialization String** in the *Modem Initialization section.* 

### Modem Disconnect Command:

If the default modem hang-up command "~~~+++~~~**ATHO**", does not cause your modem to hang up the telephone, consult your modem's reference manual and insert the necessary command.

### **Time Service Configuration Options**

The following is an explanation of each available option:

### Time Service To Use:

Select either the National Institute of Standards and Technology (<u>NIST</u>), United States Naval Observatory (<u>USNO</u>), Italy, Sweden, Austria, <u>United Kingdom</u>, Canadian, or <u>Australian</u> time service.

### NOTE:

The BBC Dial-In Time Service can only be used if you are calling from within the United Kingdom.

Australian users should use the Telstra branch that is located within their state.

The Italy and Sweden services can only be used if you are calling from within their respective countries.

### **Telephone Number:**

When you specify a time service, its telephone number will appear in this field. It may be necessary to alter the prefix of the numbers for one or more of the following reasons:

In the event your telephone system requires connecting to outside line (e.g.: WATTS). If so, change the first character "1" to whatever numbers you have to dial to get access to an outside line.

### Example:

You wish to connect to the NIST time service, but you need to dial 9 to get an outside line. Change the telephone number to the following:

9, (303) 494-4774

The comma is used to enter a slight pause.

In the event you need to dial internationally to access a foreign time service. See International Calling.

### **Your Physical Location:**

This information is necessary for AccuSet to properly adjust the time received from the selected time service into your local time.

### Time Zone:

Select the <u>time zone</u> in which you reside. AccuSet receives the date/time stamp from the <u>atomic clocks</u> of most services in the Universal Time Coordinated (<u>UTC</u>) format. Adjustments are then made to accurately reflect the correct time for your

time zone.

### NOTE:

The Telstra branches report the local time for the state in which they are located. For these services only, AccuSet will set your system clock to the date/time received from the selected Telstra branch.

### Local Half-Hour Time Zone:

Select this option if you live in a half-hour <u>time zone</u>. If this option is selected, AccuSet will add thirty minutes to the time received from the selected time source during the next modem synchronization.

### NOTE:

The Telstra branches report the local time for the state in which they are located. For these services only, AccuSet will set your system clock to the date/time received from the selected Telstra branch.

### Use Daylight Savings Time:

If the <u>time zone</u> in which you reside is currently utilizing <u>daylight savings time</u>, check this box. If the area in which you live does not utilize DST at all, make sure this box in **not** checked.

If you should wish AccuSet to automate the process of DST start/end dates, select the **Daylight Savings Time Automation** option.

### **Alerts**

The following is an explanation of each available option:

### Enable "Excessive Adjustment" Warnings:

This option, when enabled, will have AccuSet inform you when a specified number of adjustments (error compensations / manual adjustments) have been made to the system clock without an intervening modem synchronization.

This alert is useful in maintaining accurate time by ensuring that the current accuracy of the clock is calculated on a regular basis.

### **Enable Overdue Modem Synchronization Warnings:**

This option, when enabled, will have AccuSet inform you when a specified number of days have elapsed since you last performed a modem synchronization.

This alert is useful in maintaining accurate time by ensuring that modem synchronization occur on a regular basis.

### **Enable "Excessive Modem Synchronization" Warnings:**

This option, when enabled, will have AccuSet alert you in the event you try to perform a modem synchronization before a specified number of days has elapsed.

Performing synchronizations closer than one day apart severely limits AccuSet's ability to compute your internal clock's accuracy. If this option is enabled when performing a synchronization via the startup /AutoSync parameter (and the specified amount of time between synchronizations has not elapsed), AccuSet will proceed without performing a synchronization.

### **General Configuration Options**

The following is an explanation of each available option:

### **Busy Signal Options:**

### **Retry Synchronization if Selected Service is Busy:**

Select this option if you wish AccuSet to automatically make further attempts at performing a modem synchronization, in the event the selected service is currently busy.

### **Maximum Number of Retries:**

Enter the maximum number of attempts you wish AccuSet to make if the selected time service is busy.

### **Modem Result Codes:**

### **Busy Signal Modem Result Code:**

Enter the result string the modem sends when a busy signal is encountered. This field will default to BUSY.

### Modem Connection Result Code:

Enter the result string the modem sends when a connection has been made. This field will default to CONNECT.

### Seconds to Wait Until Automatic Timeout:

This field contains the number of seconds AccuSet will wait before automatically disconnecting the call. If AccuSet automatically disconnects the call before the <u>synchronization</u> process has completed, increase this value.

### **Disable Call Waiting:**

If you wish to disable call waiting during the <u>synchronization</u> process, select this option. You will also be given the option of modifying the dialing command which is used to disable call waiting.

### NOTE:

Only select this option if you have call waiting installed on the telephone line connected to the modem.

### **User Interface Configuration Options**

The following is an explanation of each available option you have in order to customize AccuSet's user interface:

### **3D Effects:**

This section deals with controlling the 3D effects AccuSet uses throughout the program:

### **Command Buttons:**

If this check box is selected, the text of the picture buttons on the main window will have a raised 3D effect.

### Frame Text:

If this check box is selected, the text of the frame boxes used throughout the program will have a raised 3D effect.

### Status Line Text:

If this check box is selected, the text of the main window's status line will be displayed using a sunken 3D effect.

### **Minimized Options:**

Choose from one of the following minimized display options:

Display AccuSet's normal icon, with the date and time displayed in text below the icon.

or

Display the date and time within the icon (this is the default selection).

If you wish to have the AccuSet icon to stay on top of all other programs when minimized, select the **Always Keep on Top** option.

If you wish to have the AccuSet icon disappear when it is minimized, select the **Hide Icon When Minimized** option. To return to AccuSet, use the Windows Task List (press Ctrl-Esc) to select AccuSet.

### **Title Bar Clock:**

This section deals with the configuration of AccuSet's <u>title bar clock</u> options.

### **Time Display Format:**

### **Override Control Panel Settings:**

AccuSet will use the international settings (as defined in the Windows Control Panel) to determine the display format of the time displays.

Select this option if you wish to override those settings and force AccuSet to display all time items in a particular format.

#### **12 Hour/24 Hour Format:**

This option, which is only enabled if the Override Control Panel Settings option was selected, is used to specify the format (12 or 24 hour) of the time displays used by AccuSet.

### **Miscellaneous:**

### **Enable Warning Beeps:**

If you wish to enable beeps AccuSet uses to draw attention to a particular event (such as an error or warning message), ensure that the **Enable Warning Beeps** check box is selected.

#### Save Screen Position:

Select this option to preserve AccuSet's screen location for each session. If this option is not selected, AccuSet will be centered on your screen.

### **Display Options**

The following is an explanation of each available option you have in order to customize how AccuSet will display information.

### **Display Type:**

Select the type of display format (digital or text) you prefer. The selection you make will be used throughout the entire program.

If you opt to use the digital display, you can also change the colors of each display to reflect your personal preference. The colors from which you can choose are green, red, blue and yellow.

### NOTE:

## The format and color of the LED displays used in the City Times Around the World section is controlled through each city's configuration option.

### Simulate Unlit Segments:

Select this option if you wish to have AccuSet "simulate" the unlit segments of the simulated LED displays. If you find the LEDs difficult to read, you can improve the contrast between the lit and unlit segments by choosing to disable this option.

### **LED Colors:**

The LED Color Display options are available only if the digital display option was selected. Use the combo box located beside the entry you wish to change in order to select the desired color.

### **Title Bar Clock Configuration**

AccuSet has the ability to optionally place the current system date and/or time in the title bar of the currently-active window when AccuSet is minimized. The following configuration options are available when selecting **Options** from the Interface page of the Configuration Section.

### **Enable Title Bar Clock:**

Select this option to enable/disable AccuSet's title bar clock functionality. If this option is selected, AccuSet (when minimized) will display the date and/or time in the currently-active window's title bar.

### **Options:**

When the **Options** button is selected, the following dialog box will be displayed from which you can specify the format of the title bar clock:

Title Bar Clock Options							
Items to Display Date <u>I</u> ime	Date Format Short (03/11/1995) Long (Saturday, March 11, 1995)	OK Cancel					
Position of Clock O Left of the Title	Time Format ● <u>1</u> 2 Hour ● <u>2</u> 4 Hour ■ Sho <u>w</u> Seconds	<u>H</u> elp					

The following configuration options are available:

### **Items to Display:**

### Date:

Select this option to include the date in the title bar of the active window.

### Time:

Select this option to include the time in the title bar of the active window.

### **Position of Clock:**

Select the appropriate radio button to specify if the clock information should be displayed to the left or right of the window's existing title.

### Date Format:

The following options (which are only available if the **Date** option was selected from

the **Items To Display** section) are used to specify how the date text will be displayed on the title bar of the active window:

### **Short Format:**

If this option is selected, the date will be displayed using the short date format, as defined in the international section of the Windows Control Panel.

Example: 10/31/95

### Long Format:

If this option is selected, the date will be displayed using the long date format, as defined in the international section of the Windows Control Panel.

Example: October 31, 1995

### Time Format:

The following options (which are only available if the **Time** option was selected from the **Items To Display** section) are used to specify how the time text will be displayed on the title bar of the active window:

### 12 Hour / 24 Hour:

Select the desired time format (12 or 24 hour) you wish to use. The format will initially default to the time format settings as defined in the international section of the Windows Control Panel.

### Show Seconds:

Select this option if you wish to include the seconds in the time display.

### **Daylight Savings Time Automation**

AccuSet can be easily configured to automate the transition between Daylight Savings Time (DST) and Standard Time. When configured for automatic DST operation, AccuSet will automatically inform you of the change and add/subtract an hour to/from the current time.

AccuSet has built-in DST rules for the following areas of the world:

North America British Isles Continental Europe China Australia (in the states where DST is utilized)

You can also manually enter the DST start and end dates. If you do not live in one of the aforementioned areas, and would like to have the DST rules for your country added to AccuSet as a pre-defined rule, <u>contact Retsik Software</u> with the DST start/end date information and it will be included in the next release of the program.

### **Automating Daylight Savings Time Handling:**

Select **Configure** from the main window.

Select the **Time Service** index tab (by either clicking on the tab, pressing the Alt-T hotkey or using PgUp and PgDn to move to it).

Select the **Daylight Savings Time Automation** button. The Daylight Savings Time Automation dialog will be displayed.

Select the DST rule you wish to use from the **Starting/Ending Rule** combo box. If you select anything other than "Enter Starting/Ending Dates Manually", the DST start and end dates for the current point in time will be displayed. You will not be able to change the dates, they will be maintained by AccuSet.

If you selected Enter Starting/Ending Dates Manually, enter the DST start and end dates for the current point in time. You will also need to update these dates after DST ends. If you would like to have the DST rule for your country/area incorporated within the program, <u>contact Retsik Software</u> with the necessary information at your earliest possible convenience.

Select OK to save your changes.

### **Modem Initialization**

Although AccuSet's default modem initialization string works flawlessly with the vast majority of the installed base of modems, you may find that yours does not.

Symptoms of a modem initialization problem may include the following:

The modem does not respond.

The modem dials, but no connection is made.

The modem dials, a connection seems to be made, but AccuSet times out.

NOTE:

Some of these symptoms can also be caused by a <u>variety of other reasons</u> (such as an incorrect telephone number, incorrect serial port selection, call waiting being disabled when call waiting has not been installed on your telephone line, etc.). Verify that your configuration selections are accurate before proceeding.

If AccuSet's default modem initialization string fails to work with your modem, you may use an alternate initialization string. This string should contain the necessary commands to disable the error correction and data compression features found on high speed modems. Consult your modem reference manual for these commands.

### NOTE:

If the AccuSet's default Alternate Initialization String (AT Q0 N1) fails, try one of the following alternate initialization strings:

```
AT &F &C1 &D2 &K4 S7=90 S95=44
or
AT &F N S37=5
or
AT Q0 \N1 S28=08
or
AT &F
or
AT &F
or
AT &F1 \N1
or
AT &Q0
or
AT &K4
or
AT Z
```

### **Procedures to Enter an Alternate Modem Initialization String:**

Select **Configure** from the main window.

If the Hardware index tab is not already selected, either click on it with the mouse or

press Alt-H.

In the Modem Initialization section of the dialog, select the **Use Alternate Init String** radio button. When you do, the Alternate Initialization String text box will become enabled.

Enter the desired initialization string. Do **not** end the command with ^M or any other character commonly used to represent a carriage return/line feed (AccuSet will automatically insert this for you).

## If the new initialization string still does not work, please <u>contact Retsik Software</u> with the following information:

Your modem type (make/model/speed).

The initialization strings you have tried.

An exact description of what happens during the synchronization process.

### **Daylight Savings Time**

The time observed when clocks and other timepieces are set ahead, usually by one hour, so that the sun will rise and set later in the day. DST conserves lighting power and provides more usable daylight hours for afternoon and evening activities.

First adopted during World War I by the U.S. and other countries, DST in the U.S. currently extends from the first Sunday in April to the last Sunday in October.

If you wish, AccuSet can be <u>configured</u> to automatically handle DST transitions.

### atomic clocks

Today, the length of a second as defined in the International System of Units is based on a specific number of transitions, or vibrations, in a particular kind of cesium atom. These transitions produce extremely regular waves of electromagnetic radiation that can be counted to produce a highly accurate time scale. Coordinated Universal Time is based on this second, called the SI second.

The cesium-beam clock is the most accurate standard of atomic time currently in use, but scientists are working on using other kinds of atoms for atomic clocks. Such clocks - based on hydrogen or beryllium atoms, for example - could be thousands of times more accurate than even today's cesium clocks.

Many of the world's nations maintain very accurate cesium clocks. The time kept by these clocks is averaged together to produce what is called international atomic time (IAT). Time signals from the world's national-standards laboratories are broadcast around the globe by shortwave-radio broadcast stations or by artificial satellites. Highly accurate time signals are used for, among other things, tracking space vehicles and studying the motions of the Earth's crust.

### **Pre-Defined Locations**

As an alternative to defining locations manually, AccuSet comes with a vast pre-configured list of locations from which to choose. Simply select the location from the list and the applicable configuration information (location name, <u>time zone</u>, <u>latitude</u>, <u>longitude</u> and (if available) the <u>Daylight Savings Time</u> rules) will be entered automatically.

### NOTE:

To speed the process of selecting a state/country from the pre-defined cities list, press the first letter of the state or country.

### **Registration Form Creator**

In order to ease the registration process, AccuSet has the capability of collecting the information necessary for registration and automatically generating a completed registration form for you.

Simply complete the fields on the screen and specify the number of copies you wish to register. AccuSet will calculate the total payment due.

To print the form (on the default Windows printer only), select the **Print** option button.

Mail the completed form, along with your registration payment, to:

RETSIK SOFTWARE P.O. Box 50 Enola, PA 17025-0050 USA

### latitude

The angular distance from the equator of any point on the Earth's surface. The <u>equator</u> is latitude 0 degrees, and the poles are 90 degrees north (N) and south (S), respectively. One degree of latitude is about 69 miles (110 km), increasing slightly poleward as a result of the Earth's polar flattening. Meridians of <u>longitude</u> (imaginary lines drawn from pole to pole) and parallels of latitude form a grid by which any position on the Earth's surface can be specified.

### longitude

The angular distance on the Earth's surface measured along the <u>equator</u> west (W) of the <u>prime meridian</u>, which is at 0 degrees. All other points have longitudes from 0 to 180 degrees east of west. Meridians of longitude (imaginary lines drawn from pole to pole) and parallels of <u>latitude</u> form a grid by which any position on the Earth's surface can be specified.

### equator

The equator is an imaginary great circle drawn around the Earth equidistant from the two poles. It divides the globe into northern and southern hemispheres. <u>Latitudes</u> are measured north and south of this line. See also <u>prime meridian</u>.

### prime meridian

The prime, or Greenwich, meridian is the <u>longitude</u> line designated 0 deg 00' 00". It passes through the old Greenwich Observatory in London and was agreed upon by international treaty in 1884 as the line on which global <u>time zones</u> are based.

### time zone

A time zone is a longitudinal strip of the Earth's surface, stretching from pole to pole and sharing the same time of day or night. The Earth requires 24 hours to make one complete rotation on its axis. Thus the direct rays of the Sun pass through one degree of <u>longitude</u> every 4 minutes. Therefore, to allow for time changes on an hourly basis, each time zone covers 15 degrees of longitude in width (15 x 24 = 360 degrees). In practice, however, the zone boundary lines are drawn to accommodate political units. Also, for various reasons, a number of countries differ considerably from international practice in time designation. Because the time zones extend around the world, the 24th zone has to lie next to the first one. The <u>International Date Line</u>, drawn roughly along the 180 degree meridian in the Pacific Ocean, has been designated as this meeting place. The time zones on either side of this line are 24 hours apart. This means that a person who moves from east to west across the line immediately "loses" a day--is at the same clock time but of the next calendar day. The 0 degree meridian on the opposite side of the Earth has been established as the reference line for setting standard, or universal, time (see <u>Universal Time Coordinated</u>).

## Universal Time Coordinated (UTC) or Greenwich Mean Time (GMT)

Universal Time Coordinated or Greenwich Mean Time (GMT) is the time on the Greenwich meridian, used as the zero for <u>longitudinal</u> measurement, according to the Mean Sun. The Mean Sun is an imaginary body that moves around the celestial equator with constant angular speed, making a complete circuit with respect to the vernal equinox in one tropical year. GMT was established as the world standard in 1884. In 1928 it was also given the name Universal Time Coordinated; the International Time Bureau in Paris now coordinates astronomical measurements and atomic clock readings from around the world to arrive at Universal Time Coordinated.

### international date line

The international date line is an imaginary line that runs approximately along the 180 deg meridian in the Pacific Ocean. By an 1884 international agreement, the earth day is considered to begin immediately west of the line and ends immediately east of it. Therefore, the <u>time zones</u> on each side are 24 hours apart. Those who cross the line from west to east repeat one day, while those traveling the reverse course omit one. In the few places where the 180 deg meridian crosses land the international date line deviates so as not to disrupt the pattern of life within a political union.

### **Specifying a Date**

The purpose of this dialog window is to allow for the easy selection of a specific date, using a mouse. The month and year is displayed in calendar format:

-									
$\langle \langle \langle \rangle$		March, 1995			$\rightarrow \rightarrow$		OK		
	Su	Mo	Tu	We 1	<b>Th</b> 2	Fr 3	Sa 4	Cancel	
	5	6	7	8	9	10	11	Help	
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
	26	27	28	29	30	31			

The four buttons, located on the top of the calendar, are used to navigate between months and years. The function of each button is as follows:

- << View previous year.
- < View previous month.
- > View next month.
- >> View next year.

To select a date, use the month/year navigation buttons (<<, <, >, >>) to view the calendar for the desired month and year. You can now either double-click on the desired day - or click on the desired day, and press **OK** to accept the date.

If you wish to abort this operation, select the **Cancel** button.

## AccuSet 3.5b Order Form

(Select **Print** from the File Menu to print a hard copy...)

Full Name							
Street Address							
City, State, ZIP							
Country	Country Telephone:						
EMail Address							
		QUANTITY				SUBT	OTAL
Number of	Copies:		(@ \$1	0.00 ea	ich)	\$	
Number of	Manuals:		(@\$	7.50 e	ach)	\$	
				Subto	tal	\$	
Pennsylvar	nia resident	s add 6% sale	s tax:				
			тота	L AMO	UNT:	\$	
PAYMENT METH	<b>OD</b> (Check	One):					
[ ] Cash [	] Check	[ ] Money	Order	[	] VISA	[	] MasterCard
Card Number Expiration Date (MM/YY)							
Signature:							
Send this form, along with payment, to: (Make checks payable to RETSIK SOFTWARE)RETSIK SOFTWARE P.O. BOX 50 ENOLA, PA 17025-0050							
If ordering by cr this form to:	r <mark>edit card</mark> ,	you can opt	ionall	y fax	(717)	732-50	)48

Your order will be processed immediately upon receipt!