## WINBENCH® 95 VERSION 1.0 README.WRI

This is the **README.WRI** file for WinBench 95 Version 1.0. You can view this file from the Windows<sup>™</sup> Write program. This file contains the WinBench 95 license agreement, installation instructions, and important notes about WinBench 95. Before you run WinBench 95, you must first read and agree to the license agreement.

### LICENSE AGREEMENT FOR ZIFF-DAVIS' WINBENCH® 95

READ THIS AGREEMENT CAREFULLY BEFORE USING THE SOFTWARE EMBODIED IN THE WINBENCH® 95 CD (OR DISKETTES, OR, IF DOWNLOADED OR CONTAINED AS PART OF A COLLECTION, IN THE WINBENCH 95 FILE(S)). Embodied in the WinBench 95 CD ("CD") (or diskettes, or, if downloaded or contained as part of a collection, in the WinBench 95 file(s)) is the WinBench 95 computer program and related documentation (the "Software"). Ziff-Davis Publishing Company, L.P., having a place of business at One Park Avenue, New York, New York 10016 ("Ziff") is the licensor under this Agreement and you are the licensee. By using the Software, in whole or in part, you agree to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement, promptly return the Software (or, if downloaded, delete the Software, or, if contained as part of a collection, cease all use of the software) to the Ziff-Davis Benchmark Operation at One Copley Parkway, Suite 510, Morrisville, North Carolina 27560. Title to the Software and all copyrights, trade secrets and other proprietary rights therein are owned by Ziff. All rights therein, except those expressly granted to you in this Agreement, are reserved by Ziff.

### 1. Limited License

This Agreement grants you only limited rights to use the Software. Ziff grants you a nonexclusive, non-transferable license to use the Software on a single dedicated computer or on a file server networked with multiple PC computers for the sole purpose of conducting benchmark tests to measure the performance of computer hardware and operating system configurations. You have the right to make a single copy of the Software for archival purposes and the right to transfer a copy of the Software across a network only to the PC computers attached to the network. Ziff hereby grants you the right to publish benchmark test results obtained by you from your use of the Software provided that with the publication of each such result you:

- A. Identify Ziff-Davis, the name and version number of the benchmark Software used (<u>i.e.</u>, Ziff-Davis' WinBench® 95 Version 1.0);
- B. Identify the exact name, processor speed and type, amount of RAM, amount of secondary RAM cache, if any, hard disk size, type of hard disk controller, and size of hardware hard disk cache, if any, of the PC used for the test (e.g., WXY Corp. Model 466 with 66-MHz Intel® 486DX2-66 CPU, 8MB of RAM, 64KB RAM cache, 200MB hard disk, IDE controller, and no hardware disk cache);
- C. Identify the exact video adapter name, amount and type of RAM on it, video driver name and date, and refresh rate that produced the result (e.g., XYZ Corp. XYZ Video adapter with 2MB VRAM with XYZ.DRV version 1.1 driver and a refresh rate of 72 Hz);
- D. Identify the operating system version (<u>e.g.</u>, MS-DOS® 5.0), size and type of software disk cache, if any (<u>e.g.</u>, SMARTDRV 2MB cache), video resolution and color depth (<u>e.g.</u>, 800 by 600 pixels with 256 colors), and any other special conditions used to achieve the result (<u>e.g.</u>, disk compression utility ABC version 1.0 enabled);

- E. State that all products used in the test were shipping versions available to the general public;
- F. State that the test was performed without independent verification by Ziff; and
- G. Follow proper trademark usage and acknowledge Ziff's trademark rights (<u>e.g.</u>, "[] achieved a score of X Graphics WinMark<sup>™</sup> 95 units or a score of Y Disk WinMark<sup>™</sup> 95 units on the WinBench® 95 test. WinBench is a registered trademark and WinMark is a trademark of Ziff-Davis Publishing Company, L.P.").

This Agreement and your rights hereunder shall automatically terminate if you fail to comply with any provision of this Agreement. Upon such termination, you agree to cease all use of the Software, to delete the Software and to destroy all copies of the CD (or diskettes, or, if as part of a collection, to cease all use of the software) and other materials contained in this package in your possession or under your control, or, if downloaded, to destroy any and all copies of the Software in your possession or under your control.

#### 2. Additional Restrictions

- A. You shall not (and shall not permit other persons or entities to) rent, lease, sell, sublicense, assign, or otherwise transfer the Software or this Agreement. Any attempt to do so shall be void and of no effect.
- B. You shall not (and shall not permit other persons or entities to) reverse engineer, decompile, disassemble, merge, modify, include in other software or translate the Software, or use the Software for any commercial purposes, except for the publication of test results, as provided above.
- C. You shall not (and shall not permit other persons or entities to) remove or obscure Ziff's copyright, trademark or other proprietary notices or legends from any of the materials contained in this package or downloaded or on any collection of which the Software is a part.

#### 3. Limited Warranty and Limited Liability

THE SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE OF THE SOFTWARE IS ASSUMED BY YOU, AND ZIFF ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR APPLICATION OF OR ERRORS OR OMISSIONS IN THE SOFTWARE. IN NO EVENT SHALL ZIFF BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE SOFTWARE, EVEN IF ZIFF HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURRING. ZIFF SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGES OR COSTS, ARISING OUT OF, BUT NOT LIMITED TO, LOST PROFITS OR REVENUE, LOSS OF USE OF THE SOFTWARE, LOSS OF DATA OR EQUIPMENT, THE COSTS OF RECOVERING SOFTWARE, DATA OR EQUIPMENT, THE COST OF SUBSTITUTE SOFTWARE OR DATA, CLAIMS BY THIRD PARTIES, OR OTHER SIMILAR COSTS.

THE ONLY WARRANTY MADE BY ZIFF IS THAT THE ORIGINAL PHYSICAL MEDIA IN WHICH THE SOFTWARE IS EMBODIED AND WHICH IS DISTRIBUTED BY ZIFF SHALL BE FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP. ZIFF'S ENTIRE LIABILITY AND THE USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REPLACEMENT OF THE ORIGINAL PHYSICAL MEDIA IF DEFECTIVE. THE WARRANTIES AND REMEDIES SET FORTH HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. NO ZIFF AGENT OR EMPLOYEE, OR THIRD PARTY, IS AUTHORIZED TO MAKE ANY MODIFICATION OR ADDITION TO THIS WARRANTY.

SOME STATES DO NOT ALLOW EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES OR LIMITATION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES; SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

## 4. U.S. Government Restricted Rights

The Software is licensed subject to RESTRICTED RIGHTS. Use, duplication or disclosure by the Government or any person or entity acting on its behalf is subject to restrictions as set forth in subdivision (c)(1)(ii) of the Rights in Technical Data and Computer Software Clause at DFARS (48 CFR 252.227-7013) for DoD contracts, in paragraphs (c)(1) and (2) of the Commercial Computer Software-Restricted Rights clause in the FAR (48 CFR 52.227-19) for civilian agencies, or in other comparable agency clauses. The contractor/manufacturer is the Ziff-Davis Benchmark Operation, One Copley Parkway, Suite 510, Morrisville, North Carolina 27560.

#### 5. General Provisions

Nothing in this Agreement constitutes a waiver of Ziff's rights under U.S copyright laws or any other Federal, state, local or foreign law. You are responsible for installation, management, and operation of the Software. This Agreement shall be construed, interpreted and governed under New York law. If any provision of this Agreement shall be held by a court of competent jurisdiction to be illegal, invalid or unenforceable, the remaining provisions shall remain in full force and effect.

## **INSTALLING WINBENCH® 95 VERSION 1.0**

To install WinBench 95 from Windows <sup>™</sup>, use the File Manager or the File Run command under Program Manager to execute **SETUP.EXE**.

- If you are installing WinBench 95 from the Winstone 95 CD-ROM, SETUP.EXE is in the \ ZDBENCH\WB95 directory.
- If you are installing WinBench 95 from diskettes, **SETUP.EXE** is in the top-level directory on WinBench 95 Disk 1.

WinBench 95's setup program lets you specify the drive and directory where you want to install WinBench 95. The default directory is **C:\ZDBENCH\WB95**.

Once you install WinBench 95, double-click on its icon in the Ziff–Davis Benchmarks program group to bring up the WinBench 95 main window. You can also run WinBench 95 in batch mode. See the **RUNWB.INI** file for information on how to use batch mode.

The first time you run WinBench 95, the licensing and registration windows will appear. You must agree to the license and register your copy of the software before you can run any tests.

## **IMPORTANT WINBENCH 95 NOTES**

# The following list provides information you need to know BEFORE you run WinBench 95. Read these notes before running the software.

1. You must read and agree to the license information listed at the beginning of this file before you run WinBench 95. The same information appears on your PC's screen when you first run WinBench 95. If you don't agree to the licensing information, delete all copies of WinBench 95 in your possession or under your control (or cease its use and delete all local copies if you received it as part of a collection of software) and then return the media on which you received WinBench 95 and all accompanying materials (including any documentation) to the Ziff-Davis Benchmark Operation (ZDBOp) at the following address:

Ziff-Davis Benchmark Operation One Copley Parkway, Suite 510 Morrisville, North Carolina 27560

- 2. WinBench 95's minimum hardware and software requirements include:
  - Windows<sup>™</sup> 3.1, Windows<sup>™</sup> for Workgroups 3.1, or Windows NT<sup>™</sup> 3.1
  - MS-DOS<sup>®</sup> 5.0, Novell<sup>®</sup> DOS 7 or OS/2<sup>®</sup> 2.1
  - An 80386 (or compatible) or higher processor
  - A VGA resolution (640x480) or higher graphics adapter
  - 4 MB of RAM
  - 4 MB of disk space for installation
  - 41 MB of free disk space for the Disk WinMark<sup>™</sup> 95 tests

WinBench 95 will run in less RAM, but it may produce invalid results due to paging activity. WinBench 95 may also run on PCs with an 80286 CPU or with earlier versions of DOS, but we haven't tested it on such systems.

- 3. WinBench 95 is the most recent release of this product. This release differs from previous releases in many important ways. As a result, you can meaningfully compare WinBench 95 results only with other WinBench 95 results. Don't attempt to compare results from version 95 with results from earlier versions of WinBench.
- 4. The time WinBench 95 needs to complete its tests varies depending on the speed of your PC. For example, the Graphics WinMark 95 test suite takes about 5 minutes to run on a COMPAQ® DESKPRO® 66M with a QVision display adapter. Running every single one of WinBench 95's tests can take hours even on a fast machine.

You can interrupt an executing group of tests by pressing any key or clicking a mouse button during those tests. WinBench 95 finishes the currently executing test and then gives you the option of terminating the rest of the tests. The currently executing test could, however, take many minutes to complete.

The only way to terminate a currently executing test is to use the Ctrl-Alt-Del key combination. If you interrupt WinBench 95 using Ctrl-Alt-Del, you should restart Windows as soon as possible.

5. With proper test procedures, WinBench 95 delivers highly repeatable results. To get the best such results, reboot your PC immediately before running WinBench 95. If you are running any of the disk tests, compress and defragment your PC's hard disk immediately before rebooting your PC and running WinBench 95.

For the most repeatable results, run WinBench 95 in batch mode from the DOS prompt using a command like:

#### WIN C:\ZDBENCH\WB95\WB95.EXE AUTO C:\ZDBENCH\WB95\batch.ini

where *batch.ini* is the name of a batch mode .INI file. See the **RUNWB.INI** file for an explanation of the batch mode .INI file.

You should disable any network software or any other software that may run in the background for maximum repeatability.

When using Windows NT, OS/2, or other preemptive multitasking operating systems, your results may vary depending on the activity of other tasks.

- 6. **SETUP.EXE** installs a **RESULTS.ZDB** database directory if one does not already exist. We've included sample results from a few machines in our research center.
- 7. You can now use three command line options to disable WinBench 95's automatic detection of some disclosure fields.
  - The **NOCPUCHECK** option prevents WinBench 95 from detecting the CPU type and speed and the FPU type.
  - The **NOVIDCHECK** option prevents WinBench 95 from detecting the display refresh rate, VESA support, and display adapter types.
  - The **NOSYSCHECK** option disables nearly all detection.

You should use these options if WinBench 95 fails during initialization with a General Protection Fault (GPF) or system hang. The **NOVIDCHECK** option is useful if display corruption occurs after WinBench 95 initializes.

## **ON-LINE DOCUMENTATION**

WinBench 95 Version 1.0 comes with the following on-line documentation:

#### **README.WRI**

This is a Windows Write file. In it you'll find the WinBench 95 license agreement and any late-breaking information that didn't make it into this manual. You should read this information before you install or run WinBench 95. It's in the **\ZDBENCH\WB95** directory on the CD-ROM or in the root directory on Disk 1.

#### Understanding and Using WinBench® 95 Version 1.0

WinBench 95 comes with a copy of its installation and user's manual, *Understanding and Using WinBench*® 95 *Version 1.0*, in electronic format on the CD-ROM. (You can view much of the same manual on-line from the WinBench 95 Help facility.)

The CD-ROM includes three different formats of the manual. You can find these files in the **\ZDBENCH\DOCS** directory on the CD-ROM:

- WB95.DOC is a Microsoft Word for Windows 6.0a version of the manual.
- WB95.RTF is a Rich Text Format (RTF) version of the manual.
- WB95.TXT is an ASCII text version of the manual.

If you downloaded WinBench 95 from ZiffNet, you'll find the Word for Windows copy of the manual in the WinBench 95 library on our ZDBENCH forum. Just download the file **WBDOC.EXE**. That file is a self-extracting file. To get the **WB95.DOC** file, execute **WBDOC.EXE**.

#### WinBench 95 on-line help

You can access on-line Help from the main window once you start WinBench 95 and from many of the WinBench 95 screens and windows as you use the software. The on-line help contains most of this manual.

## **CONTACTING ZDBOP**

If you have problems with WinBench 95, you can report those problems to us using our Problem Report Form. You can find the Problem Report Form in the user's manual and on ZiffNet in the ZD Benchmark forum library 1-General.

To submit a report, you can:

- Post the form on the ZD Benchmark forum on ZiffNet in library 6-WinBench.
- Fax the form directly to WinBench 95 Technical Support on (919-380-2879).
- Mail the form to us at the following address:

Ziff-Davis Benchmark Operation One Copley Parkway, Suite 510 Morrisville, North Carolina 27560 Attn.: WinBench 95 Technical Support

## KNOWN PROBLEMS IN WINBENCH 95 VERSION 1.0

The following is a list of known problems in WinBench 95 Version 1.0:

- 1. WinBench 95 incorrectly reports that COMPAQ DESKPRO 66M systems with 24 MB of RAM only contain 16 MB. This problem isn't unique to WinBench 95, because other programs also report only 16 MB in such systems.
- 2. If you run the WinBench 95 disk tests repeatedly on a PC that uses Norton Desktop for Windows 2.2 as a shell, the **NWIN2.DLL** library appears to consume slowly more and

more memory. Eventually, this causes WinBench 95 to fail, usually with an allocation or creation error. You can avoid this problem by changing the Int21hHook setting in the [NHookSettings] section of NDW.INI from 1 to 0. For example:

[NHookSettings] Int21hHook=0

You can find the file NDW.INI in the \WINDOWS directory.

- 3. When you run tests in demo mode, WinBench 95 doesn't trap keystrokes while it displays the Chart of Results and the Table of Results, so you will not get the query "Do you want to terminate the running tests?" WinBench 95 does, however, trap mouse clicks and let you terminate the tests by clicking a mouse button. When a test is running, WinBench 95 lets you use both keystrokes and mouse clicks to terminate the tests.
- 4. The Shift-F1 help feature does not work correctly when a common dialog box is active (e.g. a dialog box used to specify a filename).
- 5. WinBench 95 will identify Windows for Workgroups 3.10 as Windows 3.10 if you haven't enabled the network software in Windows for Workgroups 3.10. You can use the Questionnaire to correct the Windows System field in the Disclosure.
- 6. Reinstalling WinBench 95 without first deleting the WinBench icons in the Ziff-Davis Benchmarks group will result in two Uninstall icons. You should run the Uninstall icon and then delete the icons before reinstalling WinBench 95.
- 7. WinBench 95 won't automatically determine many of the Disclosure fields when you run it on Windows NT<sup>™</sup> or OS/2®.

WinBench 95 test results may not be very repeatable on Windows NT, OS/2, and Windows 95 because of the presence of pre-emptively multi-tasked background programs. You should stop all other programs and disable any network before using WinBench 95 in these environments.

- 8. You may have to specify the **NOVIDCHECK** command line option to allow WinBench 95 to run on some beta releases of Windows 95.
- 9. The thick border around a button indicating it is the default button for a dialog box isn't always restored correctly when returning to the dialog box from a modal dialog box spawned by the original dialog box.
- 10. WinBench 95 will sometimes fail during its graphics tests. Most such failures prove to be the result of problems in graphics adapter drivers. The most common problems are GPFs in the graphics driver and drawing outside of the test screen that corrupts the title, menu, or status bars. The next section describes the currently known problems with specific graphics cards and drivers.

## Incompatibilities with Graphics Adapter Cards and Drivers

This section of the **README.WRI** file documents incompatibilities between WinBench 95 and various graphics adapter cards and drivers. Please consult this section before reporting a problem with WinBench 95.

If you experience these same problems, you should attempt to acquire newer drivers from the graphics adapter vendor. The problems appear in alphabetical order by vendor name.

## **ATI Graphics Ultra Pro**

Problem:	WinBench 95 will report "Can't select an object into the screen DC" or "Can't create a brush" in various tests.
Adapter: Driver: Mode:	ATI Graphics Ultra Pro and other mach32 based adapters MACH.DRV, Version: 2.3, Date: April 25, 1994, Size: 277520 ATI mach32 driver, 1024x768 8bpp, large fonts, fast or VGA dithering
Resolution:	This problem is due to a memory leak in the display driver. We have reported i

# Resolution: This problem is due to a memory leak in the display driver. We have reported it to ATI.

## American Megatrends Fastview PCI:

Problem:	WinBench 95 will GPF in P9000_08.DRV at 0001:898F when executing the <i>GWM/M/Text, Times Roman 6, Clip or Combined GWM 5</i> tests.
Adapter: Driver: Mode:	American Megatrends Fastview PCI P9000_08.DRV, Version: 2.52, Date: January 13, 1994, Size: 118976 1024x768 8 bpp, small fonts, no device bitmaps, no power pallete
Resolution:	We reported this problem to American Megatrends on 8/23/94.
Problem:	WinBench 95 will GPF in P9000_16.DRV at 0001:763b when executing the <i>GWM/M/Text, Times Roman 6, Clip or Combined GWM 5</i> tests.
Adapter: Driver: Mode:	American Megatrends Fastview PCI P9000_16.DRV, Version: 2.52, Date: January 13, 1994, Size: 107328 1024x768 16 bpp, small fonts, no device bitmaps, no power pallete
Resolution:	We reported this problem to American Megatrends on 8/23/94.

## **Cirrus Logic GD542x:**

Problem:	WinBench 95 will hang when executing the S/BltDIBits, 8 bpp, SRCCOPY test.
Adapter:	CL-GD5429 on motherboard of Dell Optiplex 4100/LE and possibly other CL-GD542x based adapters
Driver:	256_1280.DRV, Date: June 15, 1994, Size: 130816
Mode:	800x600 and 640x480 8 bpp, Small Fonts
Resolution:	We reported this problem to Cirrus Logic on 8/23/94.

# Genoa Hornet 8300VL:

Problem:	WinBench 95 will GPF in NCR31TB.DRV at 0001:75A6 when executing the <i>GWM/M/Text, Times Roman 12 or Combined GWM</i> 9 tests.
Adapter: Driver: Mode:	Genoa Hornet 8300VL NCR31TB.DRV, Version: 1.2, Date: June 14, 1994, Size: 141664 800x600x16.8M, small fonts
Resolution:	We have reported this problem to Genoa.
Matrox MGA	λ:
Problem:	WinBench 95 will report "Can't select an object into the screen DC" or "Can't create a brush" in various tests.
Adapter: Driver: Mode:	Matrox MGA Ultima II Plus MGA8.DRV, Date: July 27, 1994, Size: 165920 Matrox MGA 8-bit 256 colors, 1024x768, small fonts
Resolution:	This problem is due to a memory leak in the display driver. We reported it to Matrox on 8/23/94.
Problem:	The Combined GWM 6, Combined GWM 11, GWM/C/Polygon, Few-sides and GWM/C/Ellipse tests draw over the title and menu bars of the main window.
Adapter: Driver: Mode:	Matrox MGA Ultima II Plus MGA8.DRV, Date: July 27, 1994, Size: 165920 Matrox MGA 8-bit 256 colors, 1024x768, small fonts, device bitmaps on
Resolution:	We reported it to Matrox on 8/25/94.
	Add DevBits=OFF to the [mga.drv] section of SYSTEM.INI to avoid this problem or check for newer drivers from Matrox.

## **Orchid ProDesigner IIs:**

Problem:	WinBench 95 will generate a GPF at 0001:24EB in MMTLLO.DRV when executing the <i>Combined GWM</i> 9 or <i>GWM/M/Text, Times Roman</i> 12 tests.
Adapter: Driver: Mode:	Orchid ProDesigner IIs MMTLLO.DRV, Date: June 15, 1993, Size: 79120 PROTURBO 1024 X 768 256 col. (Small Fonts)
Resolution:	We reported this problem to Orchid on 8/23/94.
Problem:	WinBench 95 will generate a GPF at 000B:102D in GDI.EXE when executing the <i>S/StretchDIBits, 24 bpp, SRCCOPY</i> or <i>S/SetDIBitsToDeice, 24 bpp</i> or <i>S/BItDIBits, 24 bpp</i> tests.
Adapter: Driver: Mode:	Orchid ProDesigner IIs MMTLLO.DRV, Date: June 151993, Size: 79120 PROTURBO 1024 X 768 256 col. (Small Fonts)
Resolution:	As of the time WinBench 95 went to production, we did not know whether this problem was due to a problem in the Windows GDI, the display driver, or WinBench 95.

## **Orchid Fahrenheit VA/VLB:**

Problem:	WinBench 95 will cause screen corruption after the About box displays.
Adapter: Driver: Mode:	Orchid Fahrenheit VA/VLB ORCHID.DRV, Date: April 29 1993, Size: 137536 1024 X 768 or 800x600 at 8 bits/pixel
Resolution:	Use the WinBench 95 command line option <b>NOVIDCHECK</b> (see above).

# TRADEMARKS

WinBench<sup>®</sup> is a registered trademark and WinMark<sup>™</sup> is a trademark of Ziff–Davis Publishing Company, L.P.

Aldus<sup>®</sup> and PageMaker<sup>®</sup> are registered trademarks of Aldus Corporation.

Borland<sup>®</sup>, Paradox<sup>®</sup>, and Quattro<sup>®</sup> are registered trademarks of Borland International, Inc. COMPAQ<sup>®</sup> and DESKPRO<sup>®</sup> are registered trademarks of Compaq Computer Corporation. CoreIDRAW!<sup>®</sup> is a registered trademark of Corel Corporation.

dBASE IV<sup>®</sup> is a registered trademark of Borland International, Inc.

FileMaker<sup>®</sup> is a registered trademark of Claris Corporation.

Intel<sup>®</sup> is a registered trademark of Intel Corporation.

Lotus<sup>®</sup> and 1-2-3<sup>®</sup> are registered trademarks and Ami Pro<sup>™</sup> is a trademark of Lotus Development Corporation.

Microsoft<sup>®</sup>, MS-DOS<sup>®</sup>, Microsoft Access<sup>®</sup>, and PowerPoint<sup>®</sup> are registered trademarks and Windows<sup>™</sup> and Windows NT<sup>™</sup> are trademarks of Microsoft Corporation.

Novell<sup>®</sup> is a registered trademark of Novell, Inc.

OS/2<sup>®</sup> is a registered trademark of International Business Machines Corporation.

WordPerfect<sup>®</sup> is a registered trademark of WordPerfect Corporation.

# **COPYRIGHTS**

CTL3DV2.DLL is Copyright © Microsoft Corporation, 1987-1991. All rights reserved. WBQCWD95.DLL is Copyright © QUINN-CURTIS, 1992, 1993. All rights reserved. BWCC.DLL is Copyright © Borland International, Inc., 1987, 1991, 1992. All rights reserved. WinBench 95 Version 1.0 © 1994. Ziff-Davis Publishing Company, L.P. All rights reserved.