

Welcome to the *Treasures of the American Museum of Natural History* CD-ROM.

We hope you enjoy this Voyager title.

TECHNICAL REQUIREMENTS

PC-compatible computer with a 486DX-66or faster processor
8 Mbytes of installed RAM (minimum)
640x480, 256-color display
MPC2-compatible CD-ROM drive (double-speed)
MPC2-compatible sound card with speakers or headphones
Mouse
MS-DOS operating system version 5.0 or later
Microsoft Windows version 3.1, 3.11, or Windows 95
MS-DOS CD-ROM Extensions (MSCDEX) version 2.2 or later
QuickTime for Windows (version 2.1.0 or greater)

SETTING UP

These instructions assume a basic familiarity with Windows 3.1, 3.11, or Windows 95 interface conventions. If you're just getting started with your computer, and find the operations described below confusing, please refer to the documentation that came with your computer.

You can install the *Treasures* software using Program Manager or File Manager. No matter which method you use, the installer will add a *Treasures of the AMNH* program icon and a *Treasures of the AMNH* "readme" icon to the VOYAGER-96 program group.

Installing the Software from File Manager

1. Insert the CD into your CD-ROM drive according to the drive manufacturer's instructions.
2. From within the Windows File Manager, click on the drive icon for your CD-ROM drive to display the disc's files.
3. Double-click on the SETUP.EXE file to run the Setup program.
4. Follow the directions in the Setup dialog boxes to complete the installation.

Installing the Software from the Windows 3.1 or 3.11 Program Manager

1. Insert the CD into your CD-ROM drive according to the drive manufacturer's instructions.
2. Choose Run from the File menu.
3. Type d:\setup.exe, where d: is your CD-ROM drive.
4. Click OK.
5. Follow the directions in the Setup dialog boxes to complete the installation.

Installing the Software from the Windows 95 Desktop

1. Insert the CD into your CD-ROM drive according to the drive manufacturer's instructions.
2. Choose Run from the Start menu.
3. Type d:\setup, where d: is your CD-ROM drive.
4. Click OK.
5. Follow the directions in the Setup dialog boxes to complete the installation.

GETTING STARTED

1. Make sure the *Treasures of the AMNH* disc is in your CD-ROM drive.
2. Double-click the *Treasures of the AMNH* icon in the VOYAGER-96 group.

HELP

On screen Help is available in the *Treasures* program. Select the Lantern or Red Question Mark

buttons when they appear on the screen to get information on how to use that area of the program. Click anywhere on the Help screen to close it.

TEACHER'S GUIDE

The Teacher's Guide, an Adobe Acrobat document which can be printed and copied, can be found in the folder called TEACHER. The file is called TEACHER.PDF and provides information and activities to help teachers make the most of the disc and its contents for educational purposes.

It includes: activities that familiarize students with the American Museum of Natural History and its collections; overviews of scientific areas that provide background information about the subject areas in the CD-ROM; activities that will help students extend their understanding of the subject areas and which emphasize cooperative learning are coded according to their level of difficulty; and a bibliography containing books of special interest to teachers.

You must first install the Adobe Acrobat Reader software (ACROREAD.EXE) before you can view the Teacher's Guide.

QUIT

To quit *Treasures*, press the Ctrl-Q keys on the keyboard, or select the Quit button on the Main Contents screen.

PERFORMANCE TIPS

Quit out of all other programs before launching *Treasures*.

Custom Wallpaper in Windows may cause performance problems with *Treasures* and many other multimedia titles. To turn off Custom Wallpaper in Windows 3.1 and Windows 3.11, go into Control Panel and select Desktop. A window will open which gives you a number of options for Desktop settings. In the Wallpaper field, make sure that (None) is selected. Restart Windows. To turn off Custom Wallpaper in Windows 95, click once on the Start button on the Taskbar and select Settings. Select Control Panel, and open Display. In the open Display Properties window, select Background. In the Wallpaper field, make sure that (None) is selected. Restart Windows.

The version of QuickTime installed by *Treasures* has the ability to correct audio sync problems on most PC soundcards. Open the QuickTime Readme in the QuickTime for Windows Program Group to find out your recommended settings. In Windows 3.1 and Windows 3.11, go into Control Panel and open QuickTime. In the open QuickTime Control Panel, select More, then select Audio, and change the settings to match the recommended settings for your soundcard. Restart Windows. In Windows 95, click once on the Start button on the Taskbar and select Settings. Select Control Panel, and open QuickTime. In the open QuickTime Control Panel, select More, then select Audio, and change the settings to match the recommended settings for your soundcard. Restart Windows.

Swap File Settings

If you have 8 MB of RAM installed in your computer, set the swap file to "Permanent" and set the swap file size to 10,000 KB.

If you have more than 8 MB of RAM, we recommend simply turning the swap file OFF.

To change the swap file settings:

- 1) Double-click the Control Panel in the Main group of the Program Manager
- 2) Double-click the "386 Enhanced" icon
- 3) Click "Virtual Memory"
- 4) Click "Change"
- 5) Under "Type" choose "Permanent"

- 6) In "New Size" type "10000"KB
- 7) Click "OK"
- 8) Click "Yes" when asked "Are you sure you want to make changes to virtual-memory settings?"
- 9) Exit Windows and restart the machine

To turn swap file OFF:

- 1) Double-click the Control Panel icon in the Main group of the Program Manager
- 2) Double-click the "386 Enhanced" icon
- 3) Click "Virtual Memory"
- 4) Click "Change"
- 5) Under "Type" choose "None"
- 6) Click "OK"
- 7) Click "Yes" when asked "Are you sure you want to make changes to virtual-memory settings?"
- 8) Exit Windows and restart the machine

SOFTWARE SUPPORT

For technical support on Voyager products, call (212) 219-2522. You can also reach Voyager technical support via online services or e-mail.

Internet Address:

techsupport@voyagerco.com

America Online:

voyager@aol.com

CompuServe:

75300,1635@compuserve.com
or go to the Multimedia A Vendor forum

QuickTime for Windows does not support all Windows video and sound cards. Voyager has included the following information from Apple which outlines hardware support, compatibility and incompatibility. If you experience problems when running *Treasures of the AMNH*, please check to see if your video and sound cards are supported under QuickTime for Windows.

QuickTime for Windows 2.1.1 Hardware Compatibility List December 12, 1995

KNOWN ISSUES (QTW 2.1.1.57):

* QuickTime for Windows may set the audio Requested Rate to the rate of the first movie that you play (which will be 22050 Hz if you play the calibration movie during installation). You may want to change Requested Rate on the QTW control panel Audio page. QTW will not change Requested Rate once you have set it.

* Sigma Designs' recently released Real Magic MPEG driver (v2.20) is incompatible with QuickTime for Windows. As a workaround on Win31, you can reinstall the older Real Magic driver (v2.01), but on Win95 there is no other version to install. Sigma Designs and Apple are currently working on a solution.

* The Cirrus display driver v1.23 (aka Compaq/CL3X v1.23) can cause QTW control panel

crashes. Upgrading to v1.24 fixes the problem.

* When you are running Windows 95 and you assign a sound to play when a program is launched, you may get a system halt when you launch the 16-bit Movie Player for the very first time. The problem will not recur after the initial system halt and reboot.

This document is meant to be an aid to developers who are working with and distributing QuickTime for Windows per their license agreement. The list is by no means comprehensive but has grown substantially over the past year. The Video and Audio Hardware adapters are divided into three basic classifications: Supported, Compatible and In-Compatible.

Supported hardware/driver combinations are those that have been tested as part of the QTW development plan and are considered benchmarks to the product.

Compatible hardware/drivers are those combinations that have been tested but not as thoroughly as Supported items but appear to function adequately.

In-Compatible hardware/driver combinations are those recognized as having significant problems in appearance or behavior with QTW.

Another category that we've added to our report is Optimized. Optimized video hardware/driver combination allows QTW to write directly to the video memory speeding up video performance significantly. Whenever possible, the name of the manufacturer, product name, driver date or version when known, and depth in the case of video drivers is listed.

Supported Video Adapter	Driver	Depth	Resolution	Optimized?
Standard VG	Windows VGA	4	640x350	No
Standard EGA	Windows EGA	4	640x480	No
IBM 8514	Windows	8	1024x768	No
IBM XGA	07/27/92	4	640x480	No
IBM XGA	07/27/92	16	1024x768	No
<i>Only XGA20 supports 16-bit color. Do NOT use the drivers supplied with Windows 3.1. Instead, use the drivers supplied by IBM.</i>				
ATI VGA X	04/09/92	4	800x600	Yes
ATI VGA XL	04/10/92	8	1024x768	Yes
ATI VGA XL	04/20/92	16	800x600	Yes
ATI ULTRA	04/22/92	8	1024x768	No
ATI ULTRA	OEM	16	640x480	No
ATI Mach 32	01/05/93	8	640x480	Yes
ATI Mach 32	01/05/93	16	1024x768	Yes
Orchid IIs	03/01/92	8	800x600	Yes
Orchid IIs	03/01/92	16	800x600	Yes
Video 7 VRAM2 ERGO	03/10/92	8	800x600	Yes
Orchid Fahrenheit VA	02/19/93	8	640x480	Yes
Orchid Fahrenheit 1280	08/10/92	8	640x480	Yes
Orchid Fahrenheit 1280	08/10/92	16	800x600	Yes
Diamond Stealth	09/25/92	8	640x480	Yes
Diamond Stealth	09/25/92	16	640x480	Yes
Diamond SpeedStar 24x	04/28/92	8	1024x768	Yes
Diamond SpeedStar 24x	04/28/92	16	800x600	Yes
Diamond SpeedStar 24x	04/28/92	24	640x480	Yes

Supported Audio Adapter	Driver	Date
Creative Labs SoundBlaster Pro	SBPSND.DRV	05/15/92
<i>This driver has a known bug that affects all Windows applications that use sound where at times a portion of the sound will be repeated several times.</i>		
Creative Labs SoundBlaster Pro	SBPSND.DRV	02/05/92
<i>This driver sometimes 'sticks' on a sound.</i>		
Creative Labs SoundBlaster Pro 16	SB16SND.DRV	04/14/93
Creative Labs ThunderBoard	SNDBLST2.DRV	03/10/92
Creative Labs ThunderBoard	SNDBLST2.DRV	05/13/92
Media Vision ProAudio Spectrum	MVPROAUD.DRV	02/03/93 1.3
Media Vision ProAudio Spectrum Plus	MVPROAUD.DRV	02/03/93 1.3
<i>Make the following modifications to the QTW.INI file.</i>		
[Sound]		
RequestedRate=22095		
ActualRate=22536		
Media Vision ProAudio Spectrum 16	MVPROAUD.DRV	02/03/92
Media Vision Audio Port	MVAPORT.DRV	04/14/92
<i>Does not support sound sampled at above 11khz.</i>		
<i>Make the following modifications to the QTW.INI file.</i>		
[Sound]		
RequestedRate=11025		
ActualRate=11025		
Microsoft Sound System	SNDSYS.DRV	09/21/92 1.0
Cardinal Technologies Sound Studio	TAPIGSS1.DRV	12/28/92
Orchid Sound Producer Pro.	PRODUCER.DRV	01/13/93
Orchid Sound Producer Pro.	PRODUCER.DRV	10/01/92
Turtle Beach MultiSound	MULTISND.DRV	08/27/92 1.1
ATI Stereo F/X	SFX.DRV	05/04/92

Compatible Video Adapter	Driver	Depth	Resolution	Optimized?
Actix Graphics Engine Ultra Plus	03/25/93	16	1024x768	No
Actix Graphics Engine Ultra Plus	03/25/93	8	1024x768	No
Actix Graphics Engine Ultra Plus	03/25/93	16	800x600	No
Actix Graphics Engine Ultra Plus	03/25/93	8	800x600	No
Actix Graphics Engine Ultra Plus	03/26/93	24	640x480	No
Actix Graphics Engine Ultra Plus	03/25/93	16	640x480	No
Actix Graphics Engine Ultra Plus	03/25/93	8	640x480	No
ATI VGA XL	08/14/92 1.42	16	640x480	No
ATI VGA XL	04/20/92	8	800x600	Yes
ATI VGA XL	04/10/92	16	640x480	Yes
ATI VGA XL	04/20/92	8	640x480	Yes
ATI VGA XL	06/25/92	8	1024x768	Yes
ATI VGA XL	06/25/92	8	800x600	Yes
ATI VGA XL	07/28/92	16	640x480	Yes
ATI VGA XL	06/25/92	8	640x480	Yes
ATI VGAWONDER XL24	06/25/92	8	1024x768	Yes
ATI VGAWONDER XL24	07/28/92	16	800x600	Yes

ATI VGAWONDER XL24	06/25/92	8	800x600	Yes
ATI VGAWONDER XL24	07/28/92	16	640x480	Yes
ATI VGAWONDER XL24	06/25/92	8	640x480	Yes
ATI Graphics Ultra	08/14/92	4	800x600	No
ATI Graphics Ultra	08/14/92	4	640x480	No
ATI Graphics Ultra	06/25/92	8	640x480	No
ATI Graphics Ultra Pro	03/10/92	8	8514/a	No
ATI Graphics Ultra Pro	03/13/93	8	1280x1024	Yes
ATI Graphics Ultra Pro	03/13/93	16	1024x768	Yes
ATI Graphics Ultra Pro	03/13/93	8	1024x768	Yes
ATI Graphics Ultra Pro	03/13/93	24	800x600	No
ATI Graphics Ultra Pro	03/13/93	16	800x600	No
ATI Graphics Ultra Pro	03/13/93	8	800x600	Yes
ATI Graphics Ultra Pro	03/13/93	16	640x480	No
ATI Graphics Ultra Pro	03/19/93	24	640x480	No
ATI Graphics Ultra Pro	03/19/93	16	640x480	No
ATI Graphics Ultra Pro	03/19/93	8	640x480	Yes
ATI Graphics/Pro	11/27/92	8	1024x768	No
ATI Graphics/Pro	11/27/92	16	640x480	No
Dell 466/M S3	09/04/92 (1.2)		41280x1024	Yes
Dell 466/M S3	09/04/92 (1.2)		81024x768	Yes
Dell 466/M S3	09/04/92 (1.2)		8800x600	Yes
Dell 466/M S3	09/04/92 (1.2)		4800x600	Yes
Dell 466/M S3	09/04/92 (1.2)		15640x480	Yes
Dell 466/M S3	09/04/92 (1.2)		8640x480	Yes
Diamond Stealth Pro	12/07/92	8	1280x968	No
Diamond Stealth Pro	12/07/92	8	1280x1024	No
Diamond Stealth Pro	12/16/92	16	1024x768	No
Diamond Stealth Pro	01/06/93	8	1024x768	No
Diamond Stealth Pro	12/18/92	16	800x600	No
Diamond Stealth Pro	01/06/93	8	800x600	No
Diamond Stealth Pro	02/23/93	24	640x480	No
Diamond Stealth Pro	01/06/93	16	640x480	No
Diamond Stealth Pro	01/06/93	8	640x480	No
Diamond SpeedStar 24	04/14/92	8	1024x768	Yes
Diamond SpeedStar 24	04/14/92	15	800x600	No
Diamond SpeedStar 24	04/14/92	8	800x600	Yes
Diamond SpeedStar 24	04/14/92	15	640x480	No
Diamond SpeedStar 24	04/14/92	8	640x480	Yes
Diamond Viper VLB	04/27/93	8	1152x900	Yes
Diamond Viper VLB	04/27/93	16	1024x768	Yes
Diamond Viper VLB	04/27/93	8	1024x768	Yes
Diamond Viper VLB	04/27/93	24	800x600	No
Diamond Viper VLB	04/27/93	16	800x600	Yes
Diamond Viper VLB	04/27/93	8	800x600	Yes
Diamond Viper VLB	04/27/93	24	640x480	No
Diamond Viper VLB	04/27/93	16	640x480	Yes
Diamond Viper VLB	04/27/93	8	640x480	Yes
<i>Support for the P9000 was added in QTW 1.1.1.</i>				
Genoa Windows VGA 8500	02/16/93	8	1024x768	Yes
Genoa Windows VGA 8500	10/23/92 (turbo)	16	800x600	Yes
Genoa Windows VGA 8500	08/24/92	16	800x600	Yes
Genoa Windows VGA 8500	10/28/92	8	800x600	Yes
Genoa Windows VGA 8500	12/01/92 (turbo)	24	640x480	No
Genoa Windows VGA 8500	10/14/92	24	640x480	No

Genoa Windows VGA 8500	11/11/92 (turbo)	16	640x480	Yes
Genoa Windows VGA 8500	08/24/92	16	640x480	Yes
Genoa Windows VGA 8500	10/28/92	8	640x480	Yes

Support for the Cirus Logic CL-GD5426 GUI was added in QTW 1.1.1

IBM XGA2	07/27/92	8	640x480	No
IBM XGA2	07/27/92	16	640x480	No
IBM XGA2	07/27/92	8	800x600	No
IBM XGA2	07/27/92	16	800x600	No

QTW supports IBM XGA2 starting with version 1.1.

Orchid Fahrenheit VA	02/19/93 10:00	16	1024x768	Yes
Orchid Fahrenheit VA	02/19/93 10:00		24640x480	Yes
Orchird VLB (Local Bus)	02/19/93	16	800x600	Yes
Orchird VLB (Local Bus)	02/19/93	15	800x600	Yes
Orchird VLB (Local Bus)	02/19/93	8	800x600	Yes
Orchird VLB (Local Bus)	02/19/93	24	640x480	No

Movies shifted to the left, a few pixels in 24 bit mode . Rebooting fixes the problem

Orchird VLB (Local Bus)	02/19/93	16	640x480	Yes
Orchird VLB (Local Bus)	02/19/93	15	640x480	Yes
Orchird VLB (Local Bus)	02/19/93	8	640x480	Yes
Orchid Fahrenheit 1280	08/10/92 10:00	15	800x600	No
Orchid Fahrenheit 1280	08/10/92 10:00		8800x600	Yes
Orchid Fahrenheit 1280	08/10/92 10:00	16	640x480	No
Orchid Fahrenheit 1280	08/10/92 10:00	15	640x480	No
Orchid Pro designer IIs/D 1.1	04/7/92	15	800x600	No
Orchid Pro designer IIs/D 1.1	04/7/92		8800x600	Yes
Orchid Pro designer IIs/D 1.1	04/7/92	8	640x480	Yes
Orchid Pro II	03/01/92	8	1024x768	Yes
Orchid Pro II	03/01/92	15	800x600	No
Orchid Pro II	03/01/92	8	800x600	Yes
Orchid Pro II	03/01/92	15	640x480	No
Orchid Pro II	03/01/92	8	1024x768	Yes
Sigma Legend GX	04/01/92 (1.13)	8	1024/768	No
Sigma Legend GX	04/01/92 (1.13)	8	800x600	No
Sigma Legend GX	03/31/92 (1.13)	8	640x480	No
Sigma Legend GX	04/01/92 (1.13)	8	640x480	No
Sigma Legend 24X	11/13/92	8	1024x768	No
Sigma Legend 24X	11/13/92	16	800x600	No
Sigma Legend 24X	11/13/92	8	800x600	No
Sigma Legend 24X	11/14/92	24	640x480	No
Sigma Legend 24X	11/13/92	16	640x480	No
Sigma Legend 24X	11/13/92	8	640x480	No
Matrox 1024	08/21/92 2.07	24	1024x768	No
MiroCrystal 8S	04/13/93	8	1024x768	No
MiroCrystal 8S	04/13/93	16	800x600	No
MiroCrystal 8S	04/13/93	8	800x600	Yes
MiroCrystal 8S	04/15/93	16	640x480	No
MiroCrystal 8S	04/13/93	8	640x480	Yes

Compatible Audio Adapter

Driver

Date

Creative Labs ThunderBoard

SNDBLST2.DRV

03/10/92

Creative Labs ThunderBoard SNDBLST2.DRV 05/13/92

Creative Labs Sound Blaster 2.0 02/16/93
Sound 'sticks' with this driver.

DigispeechPortAble Sound Plus PRTSND.DRV 04/14/93

IBM M/Audio ACPA.DRV 10/29/92 11:38
*Adjusting the volume from the Movie Controller may cause the volume to be muted.
To restore the volume, stop and restart the movie.
Sound may skip when resizing window
Sound is played at 44khz by doubling the samples.*

IBM M/Audio ACPA.DRV 8/28/92
Limited volume control from keyboard.

MediaVision Thunder and Lightning TLWAVE.DRV 08/25/92
*Make the following modifications to the QTW.INI file.
[Sound]
RequestedRate=22222*

Incompatible Driver Depth Resolution Optimized?
Video Adapter

ATI VGAWONDER XL24 07/29/92 24 640x480 Yes
In the 24 bit mode (16 Million Colors) Reds and Blues seem to be reversed.

ATG CatsEye/X
Field reports of systems hanging when movies are played with this board.

Compaq Q-Vision
We have field reports that QTW does not work with this card.

Diamond SpeedStar 24 * 04/14/92 24 640x480 Yes
Movies render as a thin line at the top of the screen in 24 bit mode. All other functions are normal.

MediaVision
We have a field report that QTW does not work with the original MediaVision video display adapter. The report indicates that the movie sound is played but the movie can not be seen. Problem persists when Optimize is set to driver.

OmiCorp Texan
We have field reports of sound but no movie (video) with this card.

PackardBell
We have several field reports dealing with a PackardBell. Reports of a "shutters" type effect on local bus systems have been noted. The shutters effect is where a few lines of movie can be seen, then a few lines of background, then a few lines of movie, and so on. The reports also state that the image is also shifted down and to the right about 10 pels.

Further reports tell of a lack of Movie image when running on Local Bus Packard Bell Machines.

Sigma WindStorm 08/21/92 8 1024x768 No
Sigma WindStorm 08/21/92 16 800x600 No
Sigma WindStorm 08/21/92 8 800x600 No

Sigma WindStorm	08/21/92	24	640x480	No
Sigma WindStorm	08/21/92	16	640x480	No
Sigma WindStorm	08/21/92	8	640x480	No

QTW has very poor performance with is adapter.

Video 7 SPEA 7 OEM

We have field reports that the Optimize = Driver must be added to the QTW.INI before the movie will appear in the movie window frame. Audio and all other actions seems to be OK without the change.

Incompatible Audio Adapter	Driver	Date
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Media Vision Thunder and Lighting *

QTW has very poor through-put with this card.

Media Vision CDPC *

QTW does not work well with is system with movies over 10 seconds in length.

Media Vision CDPC II

QTW does not work well with this system with movies over 10 seconds in length.

Sigma Design WinStorm

8/21/92

Very poor QTW performance when running audio and video together.

Tandy 'Gold Card'

Only one unconfirmed report on this line of cards. A developer states that he has a Tandy "Gold Card" and QTW crashes whenever he tries to play a movie. Removing the card seems to fix the problem.