

Take Home



Red Rock Utah

in Virtual Reality!

**Includes: Arches, Canyonlands, Capitol Reef,
Bryce Canyon, Glen Canyon, Lake Powell,
Grand Staircase Escalante, Natural Bridges,
Rainbow Bridge, Navajo Mountain and Zion!**



USER MANUAL

CD photography and design by Paul Fretheim
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Take Home

Red Rock Utah

in

Virtual Reality

Version 1.0.2
by Paul Fretheim
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P.O. Box 475
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www.inyopro.com

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Hello, and thank you for purchasing this quality interpretive product from Inyo Pro™. We have made every effort to make this CD easy to use and the most complete interpretive product available on the Canyon and Plateau Country of Red Rock Utah. Inyo Pro™ always strives to provide our customers with absolutely the best value possible.

Paul Fretheim, Owner, Inyo Pro™

What is on this CD

First of all, this CD is not of the auto start type. You have to open the CD's window and double click on one of the folders or icons to make it go. Clicking the file named "Index" is the best way to start.

You may need to install Adobe Reader and Quicktime™ when you start to use the CD for the first time. If you are unable to open the Index, you should then install Adobe Reader. You can find instructions for doing so by clicking here.

Even if you have Reader already, you should, at some time, run the installer from the "Take Home Red Rock Utah in Virtual Realty" CD because it installs the "full" version of Reader which has advanced searching functions which are not found on the version of Reader often distributed with computers, etc.

1. Red Rock Utah in Virtual Reality

This is the largest file on the CD. It is a Quicktime™ Virtual Reality Scene composed of 146 individual Quicktime™ panoramic images. You can get help with navigating a Quicktime™ scene by clicking this link which will take you directly to the Quicktime™ Scene Navigation instructions.

You can open the Red Rock Utah in Virtual Reality scene from the Index or by navigating to the Red Rock Utah CD in your computer and then double-clicking the file named RRinVR.mov (The .mov may not be visible on Windows computers.).

It took five years of adventuring to photograph all the locations which are reproduced in the Take Home Red Rock Utah in Virtual Reality scene. Through climbing to various high points and mountain peaks, it became possible to connect nearly all of southern Utah through line-of-sight connections. For example, the La Sal Mountains are visible from the summit of Mount Ellen Thompson in the Henry Mountains of south central Utah. And Navajo Mountain is also visible from the summit of Mount Ellen Thompson. Zion, Bryce Canyon and most of southern Utah is visible from the summit of Navajo Mountain, so with just a few mouse clicks it is possible to zip from Zion to Moab and back again.

Thousands of 35 mm film exposures were necessary to create all the panoramic images used in creating this huge Virtual Reality scene.

2. Book PDF files

You will find a folder named "Books" which contains 5 complete books. These books are in easy to use PDF format. The titles are:

- [Exploration of the Colorado River of the West and Its Tributaries](#)
by John Wesley Powell
- [A Canyon Voyage](#)
by Frederick S. Dellenbaugh
- [The Tertiary History of the Grand Canyon District](#)
by Clarence E. Dutton
- [I Kept My Dream](#)
by Everett Ruess
- [Outlaw Trail](#)
by Charles Kelly

3. Topographic Maps with linked Quicktime™ Panoramas

You will find 15 1:100 000 Scale Metric Series United States Geological Survey topographic maps which together cover all of southern Utah. The maps are linked to Quicktime™ panoramic images that open when you click a star on one of the maps. The image which opens is a 360 degree view of that location.

One hundred and twenty-nine viewpoints are illustrated in this way on the CD.

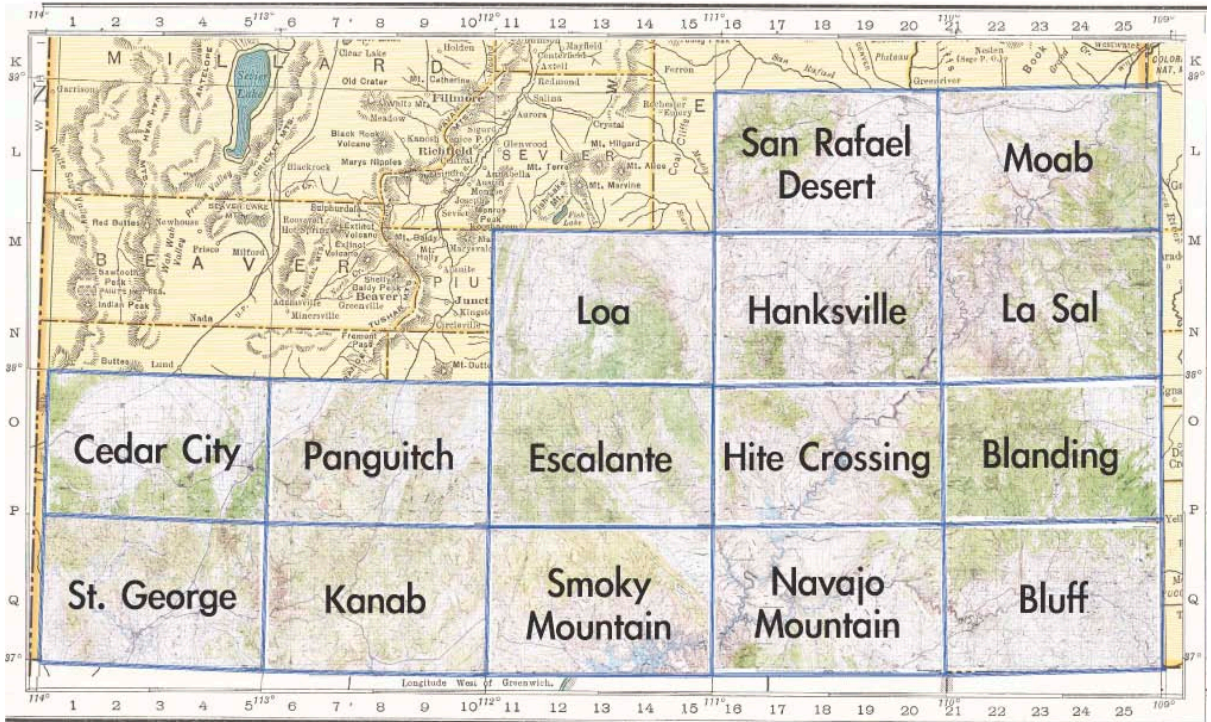
The maps can be easily accessed from the Index, or you can click any of the map titles from this page to go to that map.

The following 1:100 000 Series USGS Topographic Maps are found on the Take Home Red Rock Utah in Virtual Reality CD:

Blanding	La Sal
Bluff	Loa
Cedar City	Moab
Escalante	Navajo Mountain
Hanksville	Panguitch
Hite Crossing	San Rafael Desert
Kanab	Smoky Mountain
St. George	



Index to the Maps on the Take Home Red Rock Utah in Virtual Reality CD



4. Historic Articles

This CD contains 36 articles which have been reproduced from The Desert Magazine. These articles provide detailed descriptions of and valuable historic insight into many of the fascinating areas of southern Utah covered on this CD.

The articles range from the story of the first visit by whites to Rainbow Bridge, told through the eyes of Malcomb B. Cummings, who was an 11 year old boy when he accompanied his University President father on the trip to investigate legends of a spectacular natural bridge in the remote red rock badlands north of Navajo Mountain in "I Finished Last in the Race to Rainbow Bridge, to the tale of navigating the narrows into Zion Canyon as told by Freda B. Walbrecht in "Through 'The Narrows' to Zion." Several tales of float trips through Glen Canyon in the days when the river ran free are also included.

5. Single Images

There is a folder on the CD named "Single Images." In this folder you will find many beautiful photos of scenic Utah suitable for background images or wallpaper on your computer.

Historic Articles



19 Days on Utah Trails

Arrows from the Rainbow

Black Wood in Utah's White Canyon

Canyon Boat Ride in Utah

Crossing of the Fathers

Dellenbaugh 1873

Dirty Devil—The Saga of a River

Discovering Fable Valley

Don't Knock on a Hogan Door

El Vado de los Padres

Glen Canyon Voyage

He Discovered Natural Bridges

Hiking the Escalante

I Finished Last in the Race to Rainbow Bridge

Monument Canyon—Broken Home of Ancient Gods

Mormon Crossing at Hole-in-the-Rock

Navajos Call it Nat-sis-an (Navajo Mt.)

Nevills Plaque Is Dedicated

New Road into the Utah Wilderness

Petrified Forests in Utah's Circle Cliffs

Playground in the Utah Wilderness

Proposed Escalante National Monument

Rainbow Lodge Trail to Rainbow Bridge

River Trail to Rainbow Bridge

The Hard Good Life at Robbers' Roost

The Water Was Rough in Cataract Canyon

More

Historic Articles



[They Run the Ferry at Hite](#)

[Through "The Narrows" to Zion](#)

[Trail to Hawkeye Natural Bridge](#)

[We Camped in the Land of Standing Rocks](#)

[We Explored Dark Canyon](#)

[We Heat Our Water Solarly](#)

[When the Boats Wouldn't Float—We Pulled Them](#)

[Where the Rainbow Sleeps](#)

[Go Back](#)



**The Narrows of Bridge Canyon
between Rainbow Bridge and
Forbidding Canyon**

from
**The Colorado River through
Glen Canyon before Lake
Powell**

Published by
**Inkslip Ink Books, Moab, and
the Glen Canyon Natural
History Association**

**Photo by Remo Lavagnino
1963**

This is all underwater now.

Installing Adobe Acrobat® Reader

In the "Installers" folder you will find a folder named "Mac Reader" or "Windows Reader," depending on which operating system you are using.

You can run the installer from the "Installers" page of the Index file or you can double-click it with your mouse. Window users who install by double-clicking the file should double-click the file named "[AdbeRdr70_enu_full.exe](#)" to install Acrobat Reader® Full with Search 7.x. Just follow the on-screen prompts once the installer wizard comes up. On the Mac the Reader install file is named "[AdbeRdr70_enu_full.dmg](#)."

The text files and map files on this CD are all in .pdf format, and you have to have Adobe Acrobat® Reader installed on your computer to be able to access the files. This CD installs Acrobat® Reader 7 with Search. You may have Reader installed which does not have the search function enabled. Installation from the Take Home Red Rock Utah in Virtual Reality CD will provide Reader with the full search function enabled.

Search is accessed via the "Search" button on the toolbar of Adobe Acrobat® 7 Reader 7.

Reader comes with a complete set of help files which can be accessed via the "help" menu.

Installing Quicktime™

All the panoramic images on this CD are Quicktime™ Virtual Reality Panora-

mas. To be able to view the Quicktime™ panoramas you must have Quicktime™ 4.x or later installed on your computer. Unless you are sure that you have Quicktime™ 4.x or later installed, you should install Quicktime™ 6 from the Take Home Red Rock Utah in Virtual Reality CD.

Quicktime™ is a registered trademark of Apple computer.

You will find a folder named "Mac QuickTime™" in the Mac Installers folder.

You will find a folder named "Windows QuickTime™" in the "Windows Installers" folder.

There is a link to the Quicktime™ installer for the correct platform on the "Installers page of the Index. The Windows QuickTime™ install file is named "[QuickTime-FullInstaller.exe](#)." Click the blue text to run the Windows QuickTime™ installer. Once the installer is open, just follow the on-screen instructions that will appear. The installer on this CD installs Quicktime™ 6.x.

The Quicktime™ installer for Windows is a stand-alone installer and installs QuickTime 6.x. You can check for updates on Quicktime™, which is free, at:

<http://www.apple.com/quicktime/download/>

Quicktime™ from time to time will display a window asking if you wish to purchase Quicktime™ Pro. You don't gain anything for Quicktime™ Virtual Reality display by getting Quicktime™ Pro. Just click "Later" when this window appears.

What is a Quicktime™ Scene?

The flyover of the Park is a Quicktime™ panoramic scene. A scene is made up of two or more Quicktime™ panoramic images. A Quicktime™ panorama is an image that is created by taking several pictures, in some cases up to 36 single exposures. These pictures are shot from a special tripod from as close to a single pivot point as possible, around in a circle (360 degrees). These images are then blended together into a single, 360 degree panoramic image.

The 360 degree panoramic image is then warped with special software so that when viewed the person viewing the image gets the illusion the viewer is actually within the scene.

The user is able to navigate within the image using their mouse. By clicking and dragging and using the shift and control keys in various combinations the user can look up, down and around, move closer and farther away, as if they were actually there. Hence the name "Virtual Reality."

A Quicktime™ scene is made up of two or more Quicktime™ panoramas linked together. The QuickTime™ Scene, RRinVR on the "Take Home Red Rock Utah in Virtual Reality" CD has over 130 different panoramic images within it. These are the highest quality panoramic images on the CD, about 10 times as sharp as the smaller images which are linked to the Topographic maps.

Navigating within a Quicktime™ Scene

Navigating through a Quicktime™ scene is really easy. It is just a matter of pointing, clicking and dragging with your mouse. To move around in the scene, you drag your mouse left or right, up or down while holding down the mouse button. There are two ways to zoom in and out. One way is to use the SHIFT or CONTROL keys. The other is to point and click on the zoom in and out buttons in the frame of the scene at the lower left of the Quicktime™ window. See Figure 1 on page 18.

Please note that the zoom keys, SHIFT and CONTROL only work when the cursor is positioned over the Quicktime™ window.

Figure 1. The QuickTime™ VR Scene Navigation Tools

The cursor changes to an arrow when moved over a "hot-spot."

The destination of a "hot-spot" is given in the text window at the bottom of the frame.

Click on a hot-spot to go to that location

Back - Clicking this button will return you to the previous Panorama.

Zoom Out - You can also zoom out using the CONTROL key.

Zoom In - You can also zoom in using the SHIFT key.

Show Hot Spots - Double-click this button to highlight hotspots. Single-click this button to make the hot spots invisible again.



Giving the Next Pano Time to Load

Depending on the speed of your computing equipment, there may be a noticeable delay, up to several seconds, between the time you click upon a hot spot and when the next panorama appears in the window.

You will not see the familiar watch or hourglass. Unfortunately, Quicktime™ does not display either of the standard waiting cursors. Instead of the watch (Mac) or hourglass (Windows), you will notice, if you look carefully, that the arrow when you are moving the cursor about within a panorama, is not filled in, that is, it is just an outline, See figure 2. After clicking on a hot spot, however, the arrow becomes filled-in, that is, it becomes solid black.

When you see the solid black cursor, Figure 3., it is the indication that your command has been received by Quicktime™ Player and that the next panorama is loading into memory. Please wait until the next panorama has loaded before clicking again. Additional clicks may cause additional delays.

Changing the Size of the View



Figure 2. The cursor when over a hot-spot before it is clicked.



Figure 3. The Waiting Cursor, after clicking on a hot-spot. When you see this cursor, wait for the next pano to load.

The size of the Quicktime™ Window can be changed in two ways:

1. By placing the cursor over the lower right corner of the window, you can drag the window larger or smaller by clicking the mouse and dragging up and down or left and right while holding down the mouse button.

2. Use the "Movie" menu from the top menu bar of Quicktime™ Player. This function is especially useful if the "grow box" at the lower right of the main window is not visible or accessible for some reason.

There may be some variation between the Windows and Macintosh versions of this menu. The Mac version is pictured here.



The Movie Menu

Navigating with Your Mouse

To move within a panorama using the mouse use the following commands:

Hold down the mouse button and move left or right to scroll left or right.

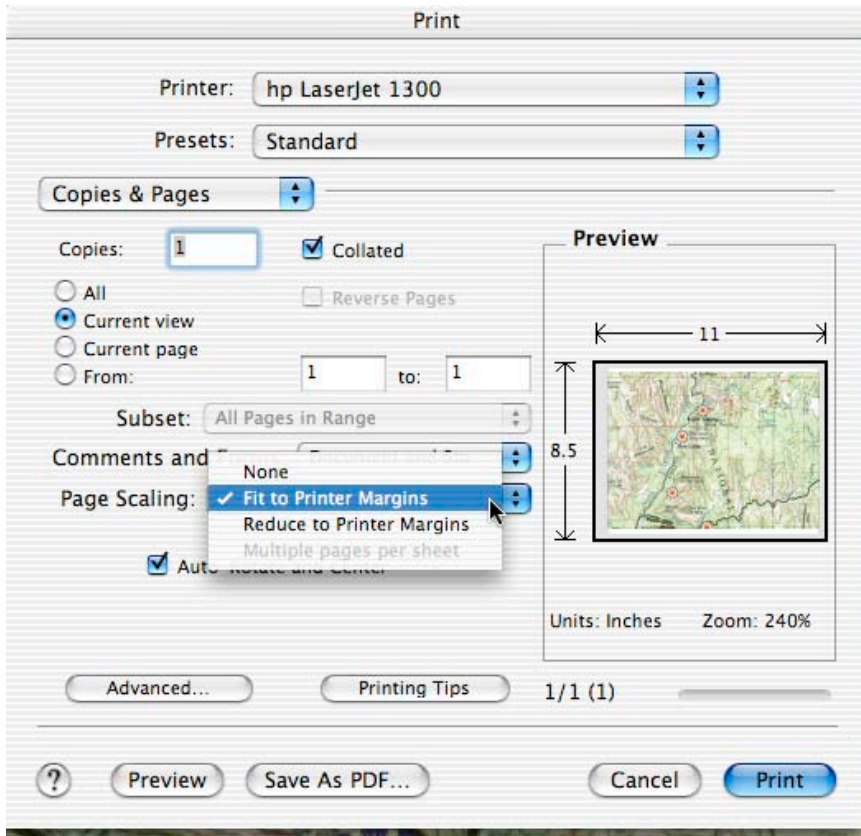
Hold down the mouse button and move up or down to scroll up or down.

To Zoom in, be sure the cursor is over the Quicktime™ Player window, then press the SHIFT key.

To Zoom out, be sure the cursor is over the Quicktime™ Player window, then press the CONTROL key.

Printing Topographic Maps

With Reader® 7 the print window gives the option of choosing to print the part of the page that is visible, i.e., the "Current View." With this feature, you can just zoom the map to the part you want to print, then choose print, and in the print window, select "Current View" and "Fit to Printer Margins" as shown.



**The Adobe Reader® 7
Print Dialog Box**

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Inyo Pro™
P.O. Box 238
Independence, CA 93526
www.inyopro.com

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