

# How to make a Digital Movie with BTV

Note: The following instructions should work with the Pyro Web cams in the Macintosh lab at the Robert Henderson Language Media Center. The result will be a QuickTime movie that can be played on either Windows or Macintosh.

To make a digital movie, you will need the following:



- Steps:**
1. Preparing the computer
  2. Preparing the settings
  3. Recording the movie
  4. Compressing your movie further
  5. Copying your movie

## 1. Preparing the Computer

Note: Before you start your movie, it is very important that no other software programs be running.

To see if other programs are running, click on the icon in the upper right-hand corner of the screen. It is called the "Finder."

In this example, Color It!, Eudora, iTunes, Microsoft Excel, Microsoft Word, and Netscape Communicator are running. These will interfere with the smoothness of your video capture, so select each one, go to File, and select Quit to leave the program.

Repeat this process until all the programs (except for the Finder) are gone.



After you have "Quit" all the other programs, only the Finder should remain.

(You can't "Quit" from the Finder since it is the operating system of the computer.)

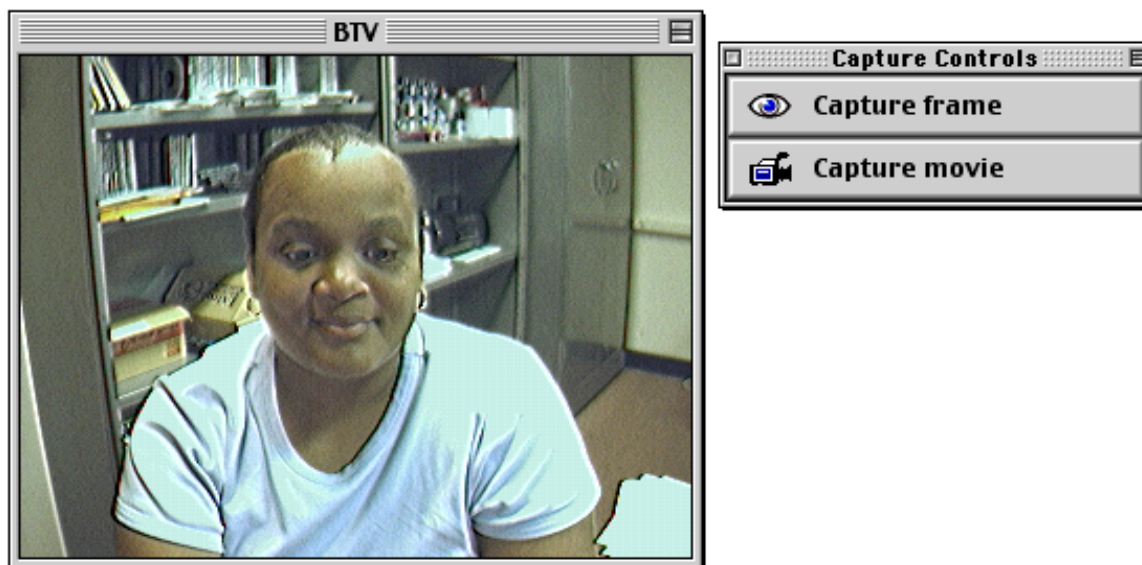


## 2. Preparing the Settings

To record a new movie, open the "Make a Digital Movie" folder on the desktop. Then double-click on the BTV alias to start the program.



You should see two windows – the BTV window and the Capture Controls window:



**Note: If you don't see the Capture Controls window, click on Capture at the top of the screen and select "Show capture controls window."**

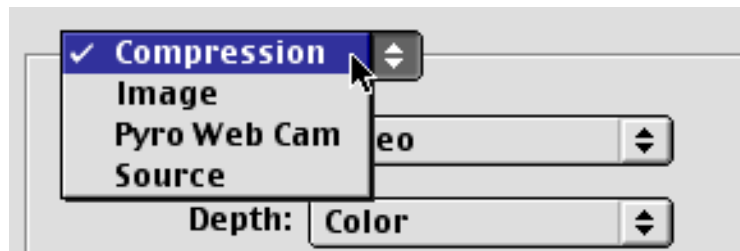
You should check the basic settings before you start.

At the top of the screen, look for Settings, and select Video Settings.



Click on Compression in the upper left-hand corner of the next screen.

If you do not see Compression, click on the pop-up menu at the very top left of the window. Then click on Compression.

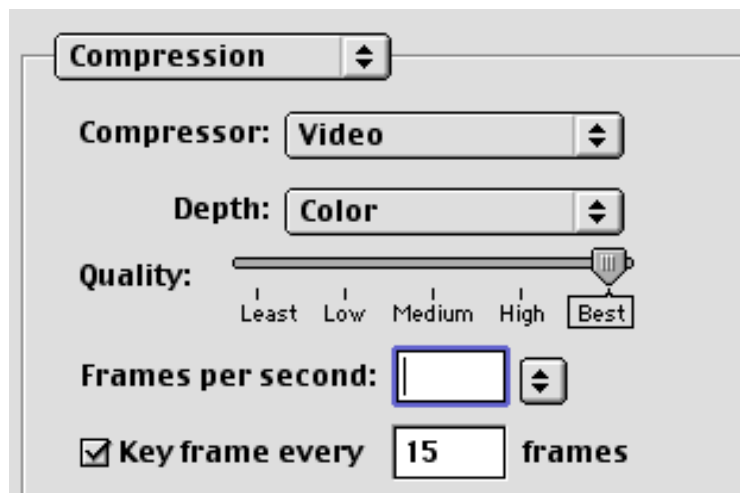


The settings under Compression should be as follows.

Look to the right to see what the other settings should be.

**Note: "Compressor: Video" is an important setting.**

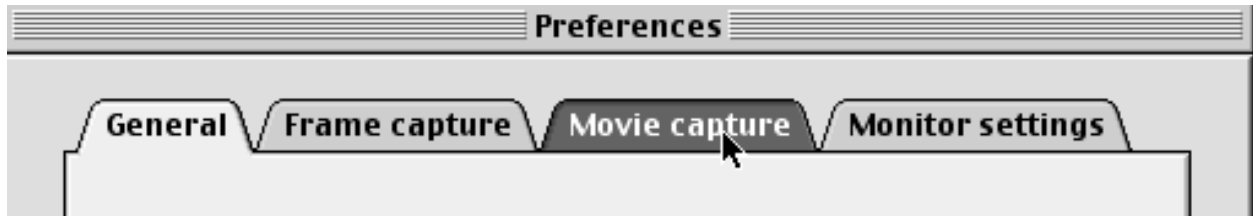
Click on "OK" after you have verified these settings.



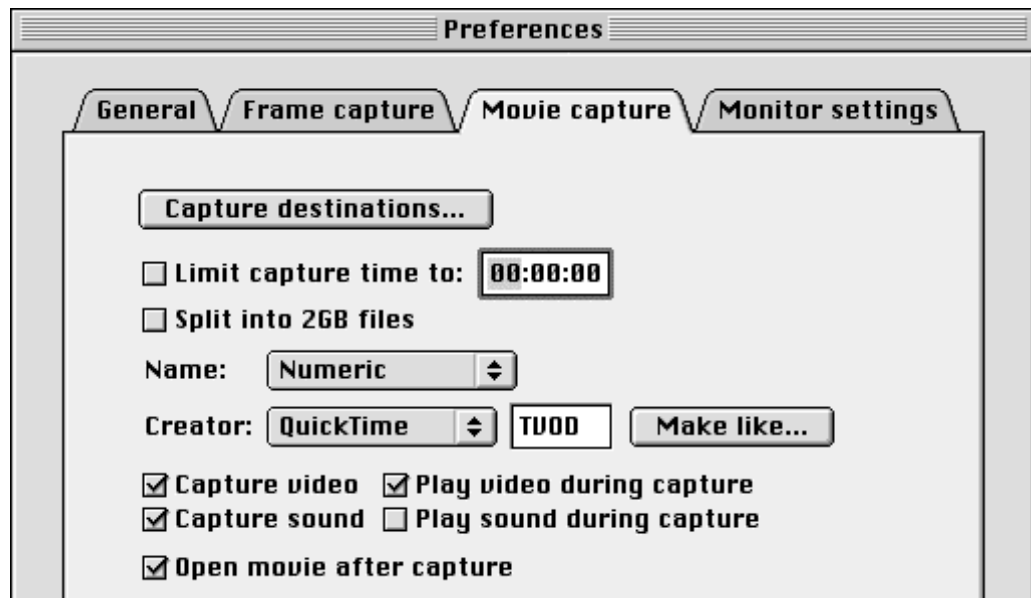
Again from the Settings menu at the top, click on Preferences.



Click on Movie Capture:



Look carefully at the Movie Capture settings to make sure that the features that you want in your movie will be recorded.



If you don't want your final movie to include sound, uncheck the "Capture sound" box. If you do want sound, make sure that the "Capture sound" box is selected.

Click on "Capture destinations.." to specify the folder where your movie file will be saved. By default this should be the "Make a Digital Movie" folder on the desktop.

If "Destination 1" is NOT "Make a Digital Movie, and you want your movie to be saved in that folder," then click on Set.



Click one time on the desired folder, and click on Choose.

Click "OK" after you have checked Movie capture settings.



Check the Video size.

Under Video Size at the top of the screen, select the desired size for your movie.

The standard QuickTime size is 320 X 240.

Warning: If you select a larger size, your file size may be too large to store conveniently!

Video size	Capture	Help
160 x 120		⌘1
240 x 180		⌘2
✓ 320 x 240		⌘3
480 x 360		⌘4
640 x 480		⌘5
Custom size...		⌘9
Go to full screen mode		⌘0
Fill the screen with video		⌘L
Video sizes...		⌘E

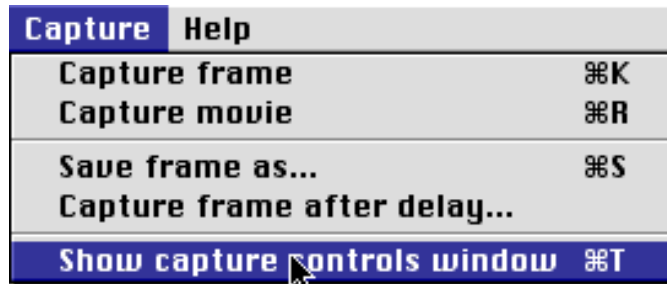
### 3. Recording the Movie

Now you should be ready to record your movie.

You should see the Capture Controls window next to the BTV window.



If you don't see the capture controls window, click on Capture at the top of the screen and select Show capture controls window.

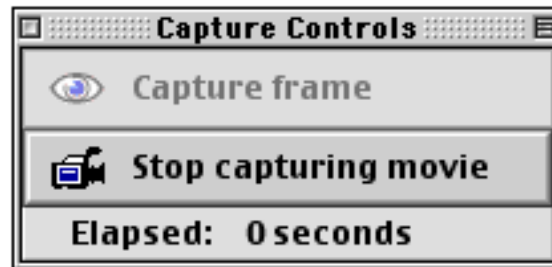


To start recording your movie, click on "Capture movie" in the Capture Controls window.



The recording will not start immediately. It will start a few seconds after you click.

The "Elapsed .." indicator is the signal that the recording has started.



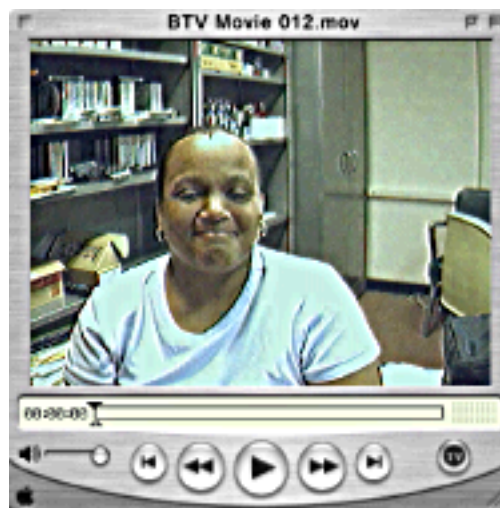
Click on "Stop capturing movie" when you are finished recording.



Very shortly your movie should appear in a new window.

This is a window for the QuickTime Player.

This window looks like the one on the right. —>



To get additional information about your movie, from the Window menu at the top, select "Show Movie Info."

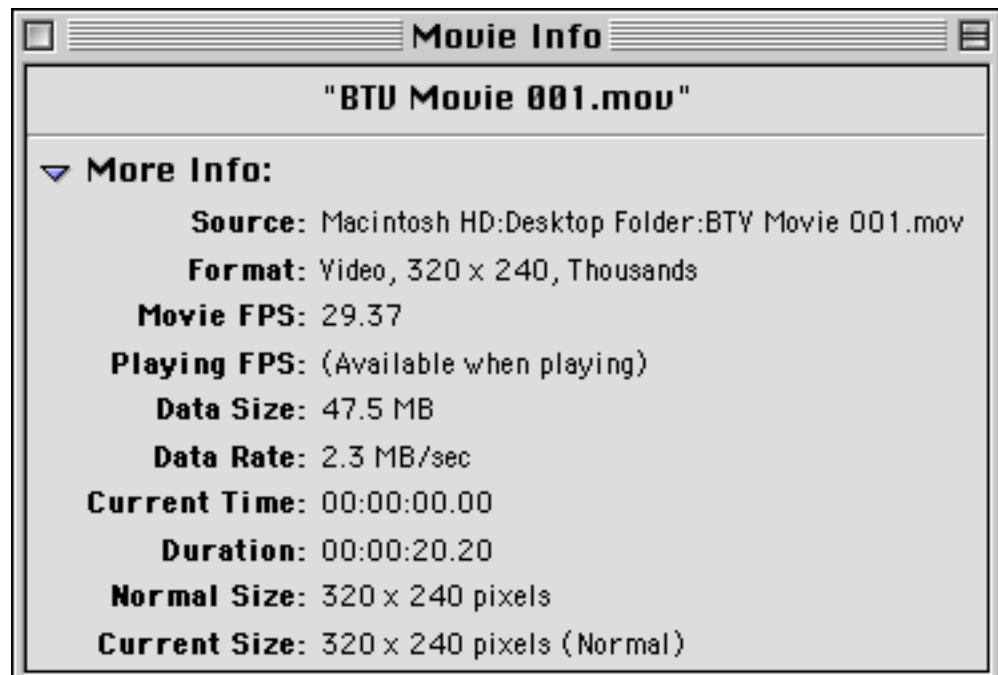


This window should appear next to your movie.

If you want to see the actual rate of frames per second (FPS), play the movie and look at "Playing FPS."

"Data size" will indicate the size of your file.

"Duration" will tell you how long your movie is.



## 4. Compressing Your Movie Further

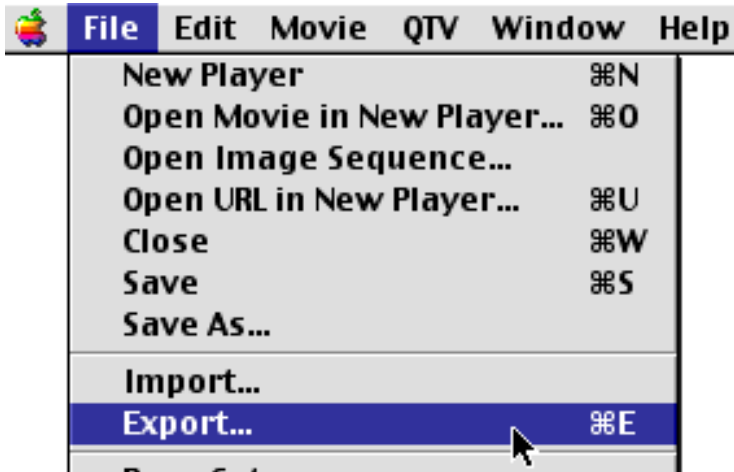
Your movie has already been compressed with the "Video" compression. If you need to reduce the file size, you can compress it further.

**Warning: Further compression will result in some loss of quality.**

To compress your movie again, you can export it in QuickTime Player

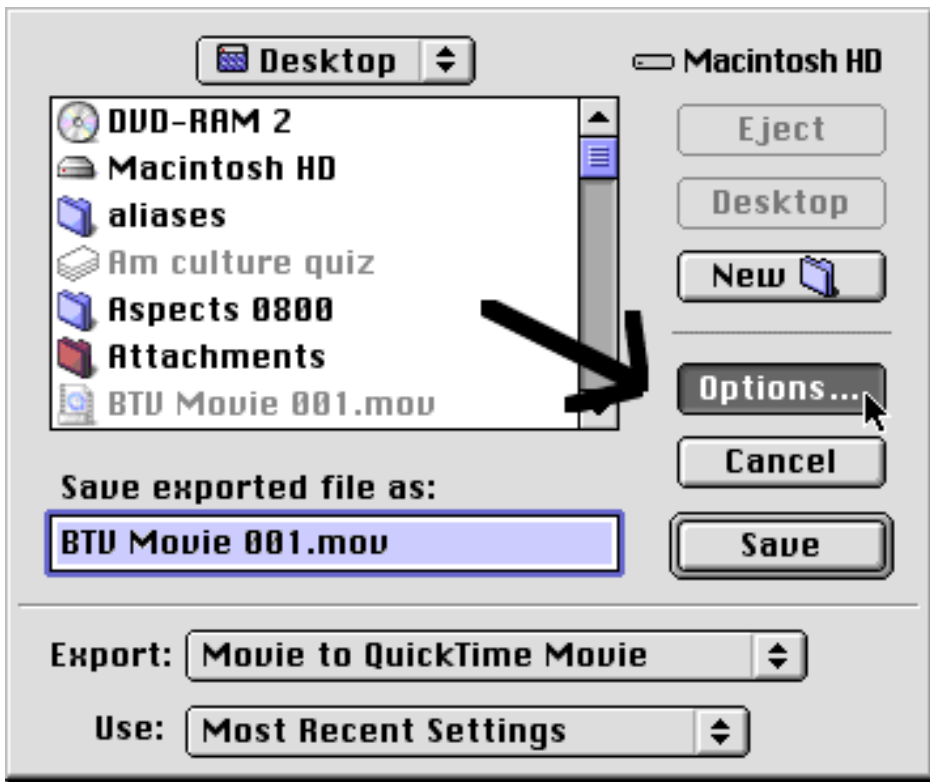
Double-click on the movie file to open it (if it is not open already.)

From the File menu at the top of the screen, select "Export..."



Click on the Options... button.

Click on Save.

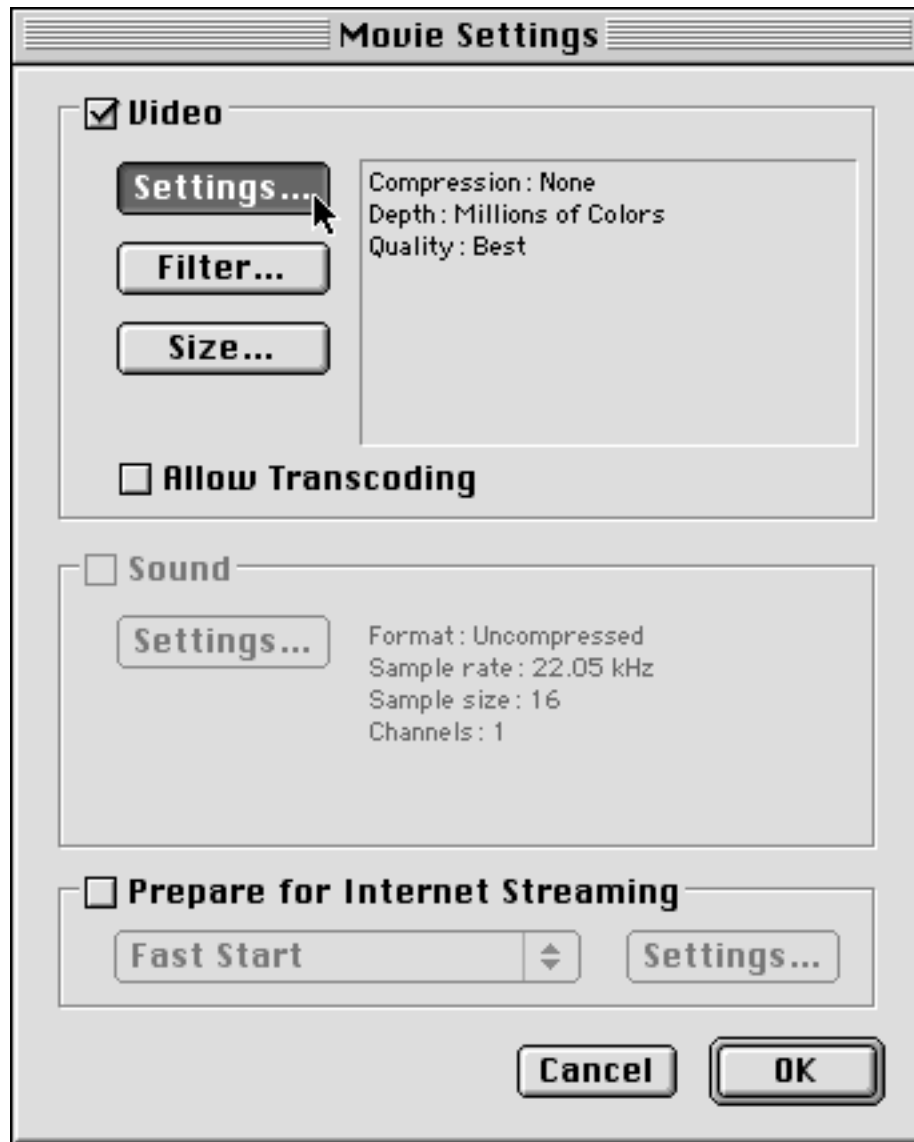


You will see the Movie Settings box.

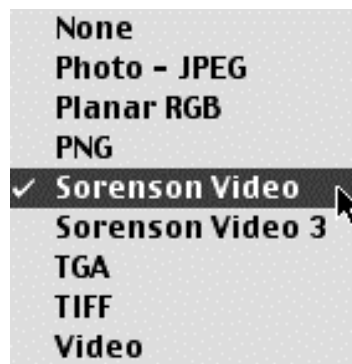
If you want your new exported movie to include both video and sound, make sure that both of these boxes are checked.

If you want your new movie NOT to include sound, uncheck the Sound box.

Next to the Video box, click on "Settings..."



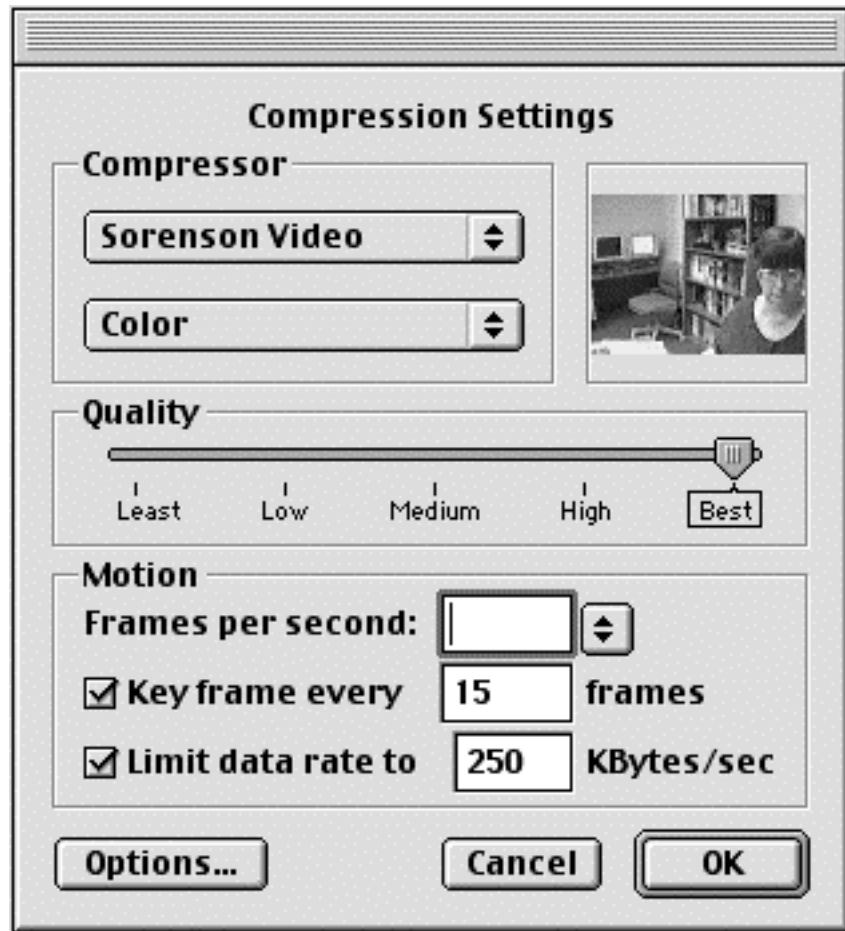
Under Compressor, select Sorenson Video.



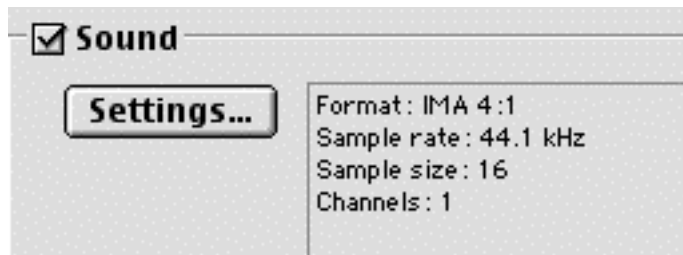
These are the recommended compression settings.

Note that "Frames per second" should be set at Best.

Click on OK.



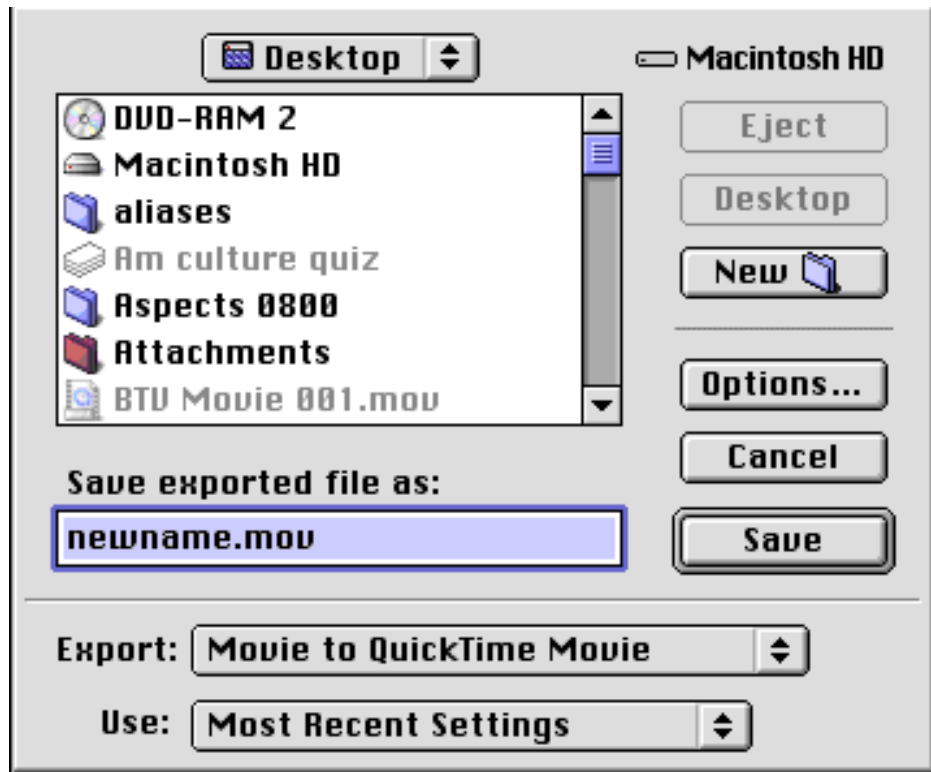
If you include sound in your movie, these settings are appropriate:



Click on OK when you are satisfied with the settings.

Give this movie a different name from the first one. Then if you are not satisfied with the quality, of the compressed movie, you can go back to the original movie.

Under "Export," make sure that "Movie to QuickTime Movie" is selected.

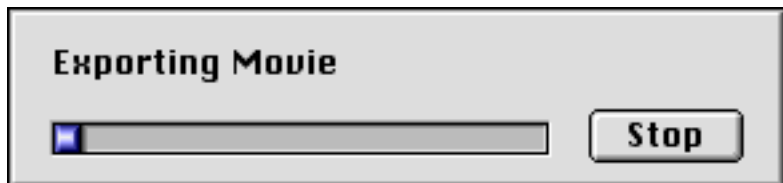


**Note: If you are recording the movie for a class, check with the instructor regarding how to name your movie file.**

**Be sure to leave “.mov” in the file name!**

Click on Save.

**Note: This process takes a long time! Exporting the movie will take approximately 5 times the length of the movie.**



You may want to use the "Show Movie Info" under "Window" to compare the compressed movie with the first one.

## 5. Copying Your Movie

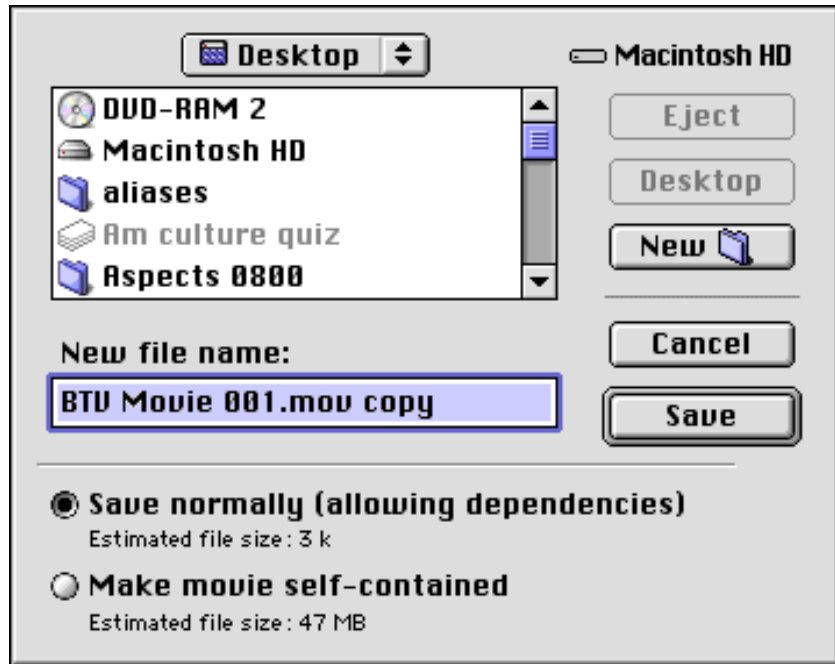
**Remember to copy or transfer your movie to a ZIP disk or CD.**

# >>>>>>> Important Warning! <<<<<<<<<

If you have followed the preceding directions carefully, you should never have the following problem! However, if you ever use the “Save as...” function and you see this screen:

## Don't choose this option:

Note that the “save normally” option will result in a very small file. This movie file will NOT contain your video data; it will merely create a “pointer” file that “depends on” the real file.



## Choose this option instead:

Click on “Make movie self-contained.” Note that the file size is much larger because it will contain all your video data.

