



Now Hear This
3 Techniques to Clean Up Your Audio

CUE 2012

Palm Springs, CA

17 March 2012



Business card
or
fill out slip
for drawing

(need to be
present to win)

Wi-Fi



COMP USA.



The logo for Passkeys Foundation is a rectangular banner. The background is a photograph of a sunset or sunrise over a mountain range. The sun is a bright, glowing orb partially obscured by dark, silhouetted mountains. The sky is a mix of dark orange, yellow, and black. The text is overlaid on this image.

Passkeys Foundation

building a nation of character

The
CreativeEdge

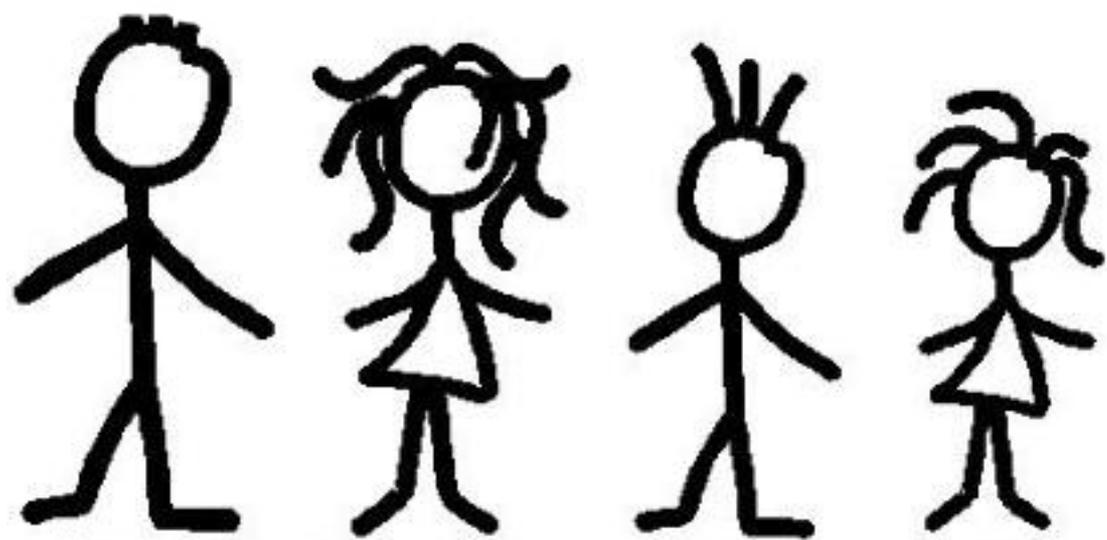
The logo consists of a large, dark blue 'C' with an orange 'E' nested inside it, positioned above the word 'Creative'. The word 'Creative' is in a dark blue serif font, and 'Edge' is in a dark blue serif font with an orange 'E'. A thin orange horizontal line is positioned below the word 'Creative'.





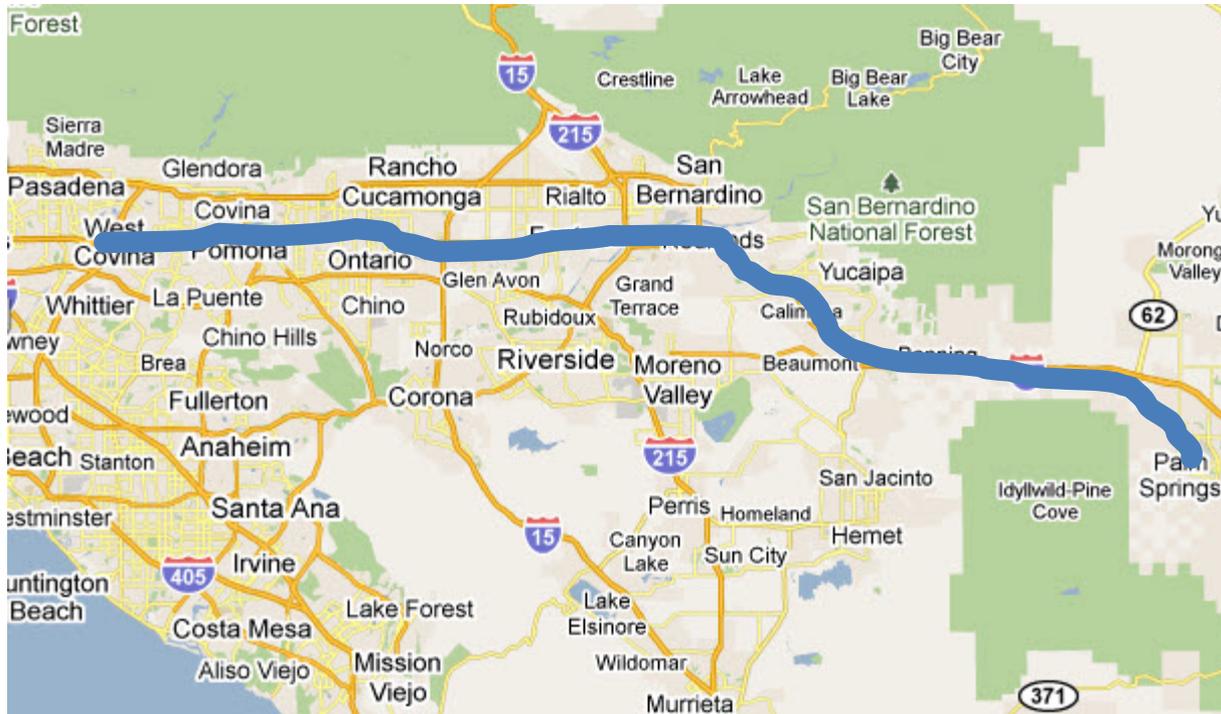


















ANNUAL CUE CONFERENCE PALM SPRINGS, CA

A circular illustration featuring a young boy in a white space suit standing on a red, cratered planet. He is holding a glowing green tablet that displays the word 'FUTURE' and a circular arrow icon. The background is a dark blue space with a white moon, yellow stars, and a small orange rocket ship on the planet's surface.

CUE the FUTURE

MARCH 15-17, 2012



THANK

YOU

The Problems

**you can't make bad
audio good**

**spend too much time
trying to do so**

Event (Capture)

you can't make bad
audio good





Two Best Tips

**capture audio off
camera**

**get the mic closer
to the talent**



In-The-Field Recording Studio

The Pieces

Mics

Mixer

**Computer or other
Storage device**

**Batteries or
Electricity**

Assistants

Types and Styles of Mics

Condenser – needs power

Dynamic – relatively inexpensive, great for stage use



Specialty Mics



Wireless



Connectors



The Rings



Adapters & Ports



iPad



Mixer



Field Recorders

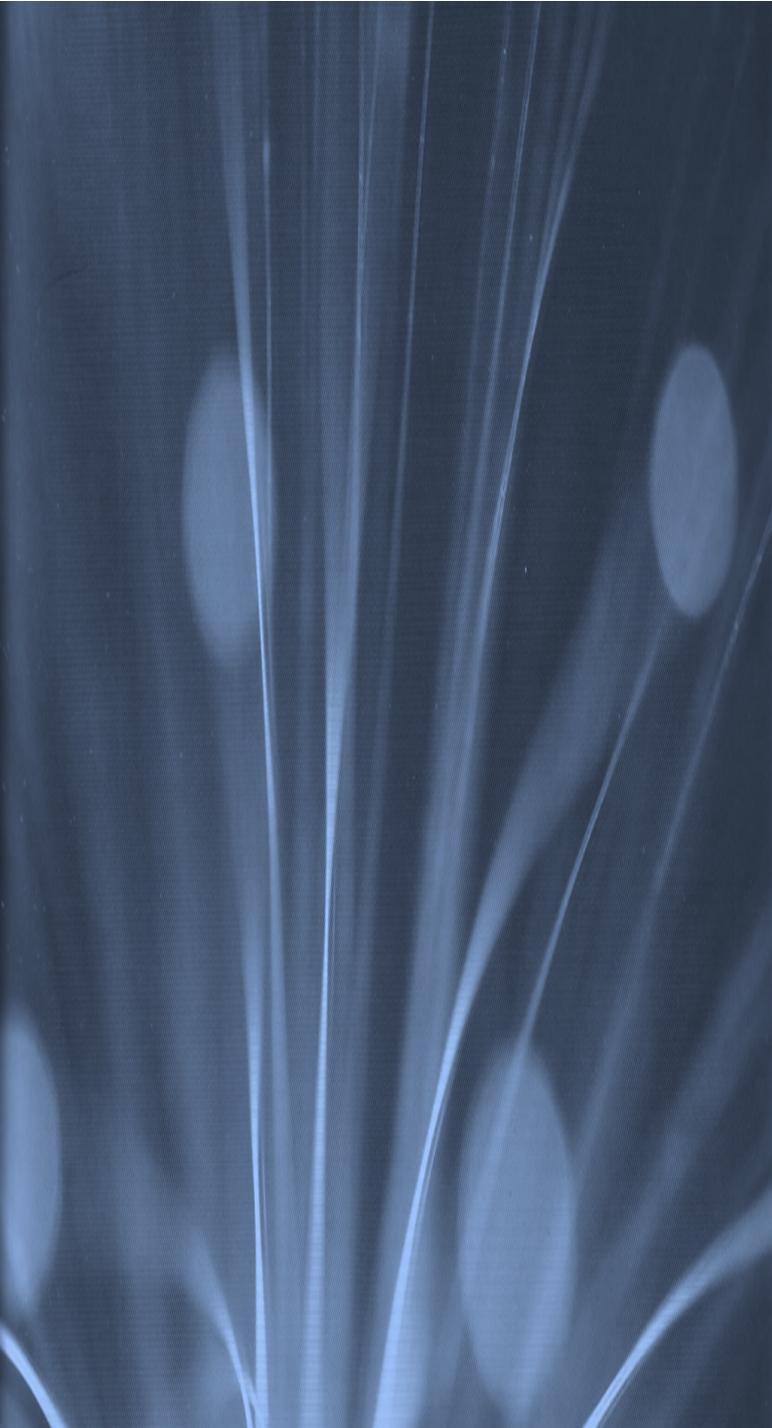


Storage Devices



iPhone and iPod





it's time for a drawing

Let's Capture Some Audio

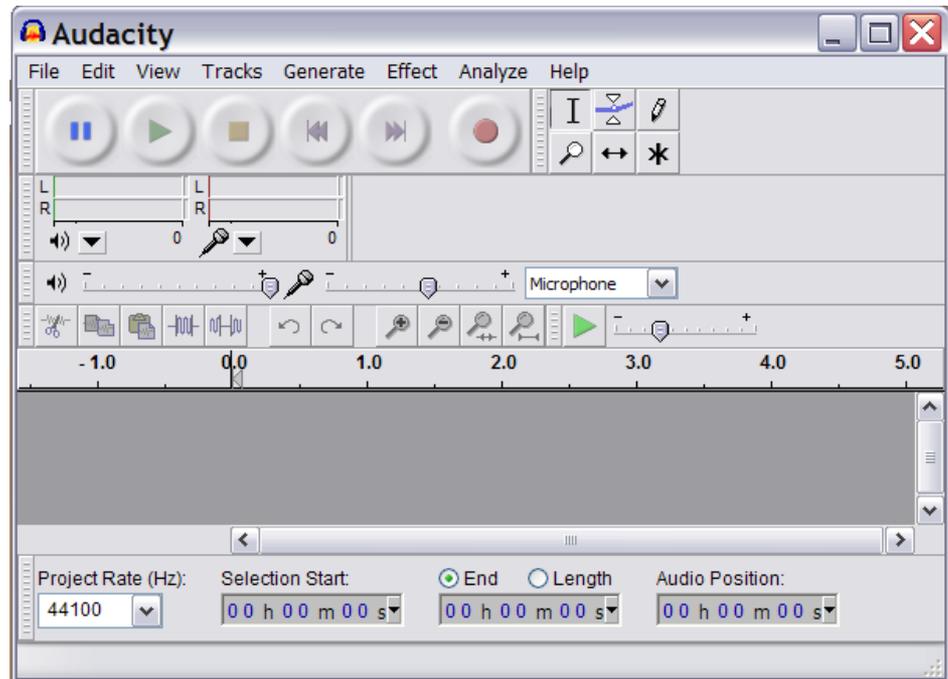


...and Action!

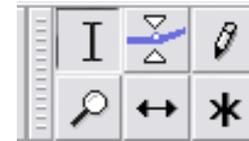


Video

Editing with Audacity



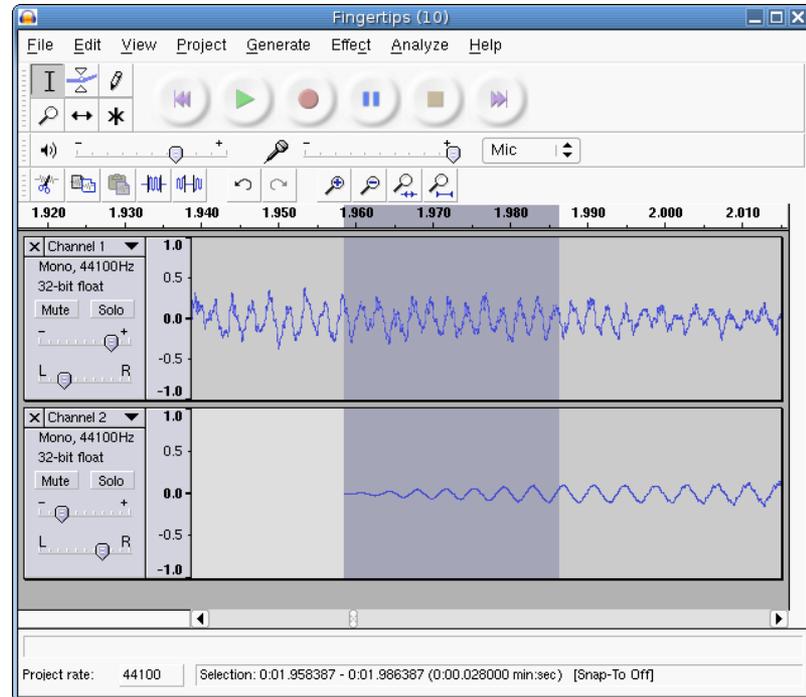
Selection Tools



Quick Command Tools

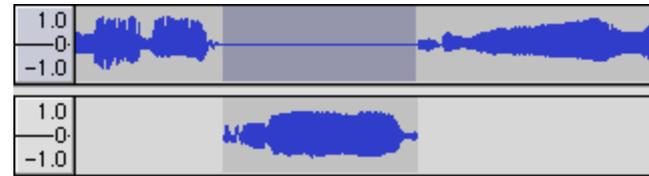


Click and drag
to select the
sound you
want to adjust

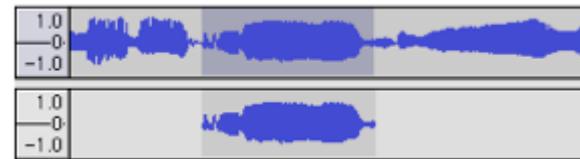


3 basic commands that edit the audio track

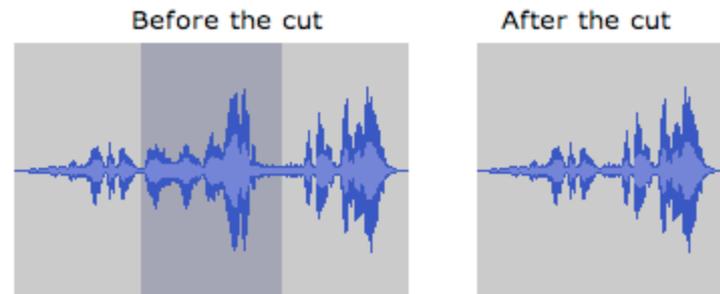
Split



Duplicate

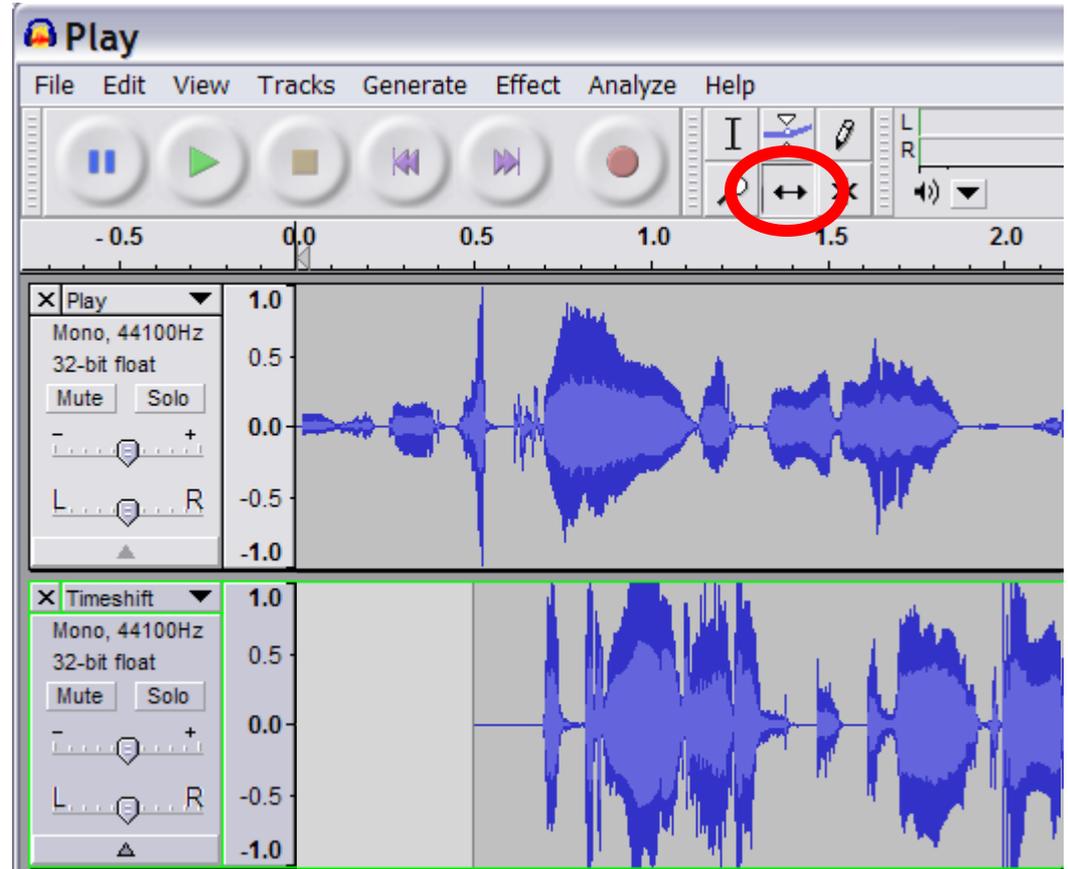


Cut



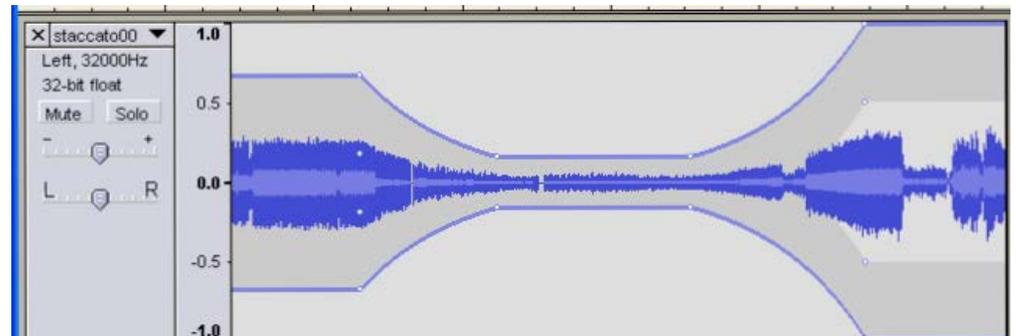
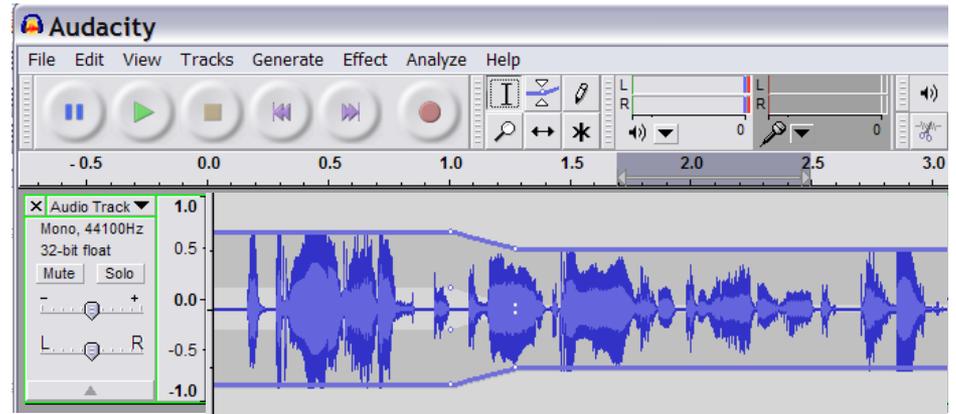
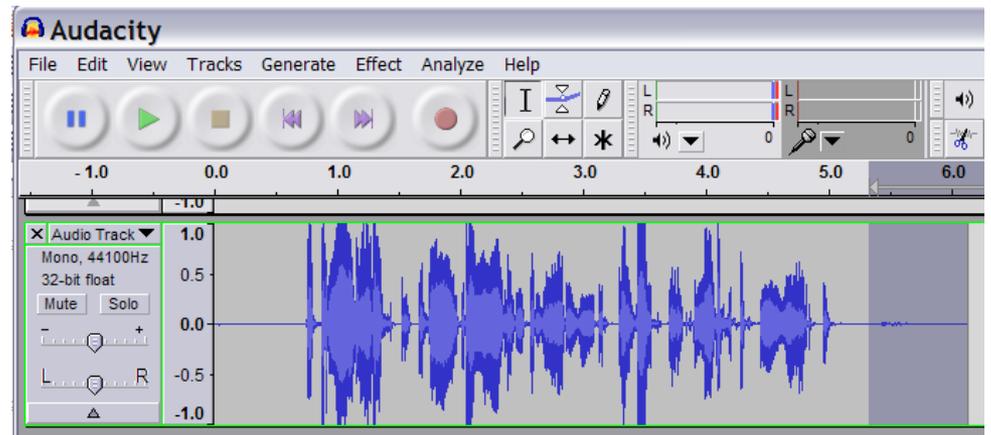
Create or eliminate echo with the Timeshift Tool

click tool then click and drag the track you want to move/adjust

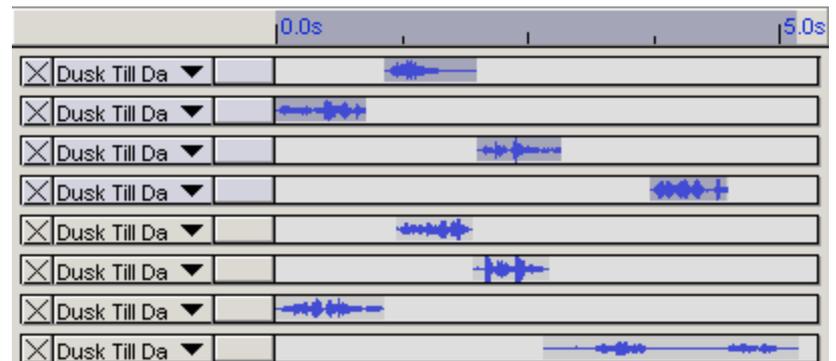


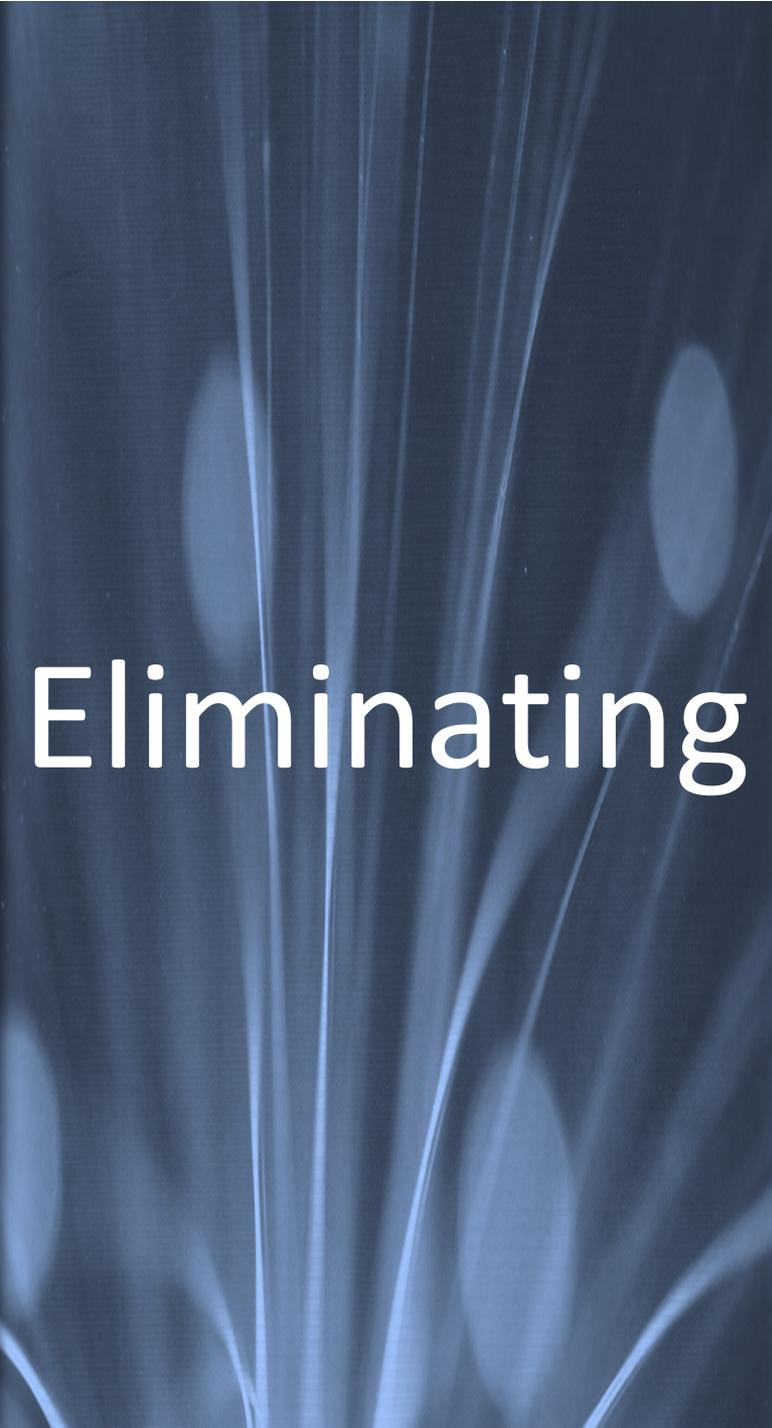
click to select then slide along track

Using the Envelope Tool



Shrink the
track height by
using the
View/Collapse
All Tracks
command





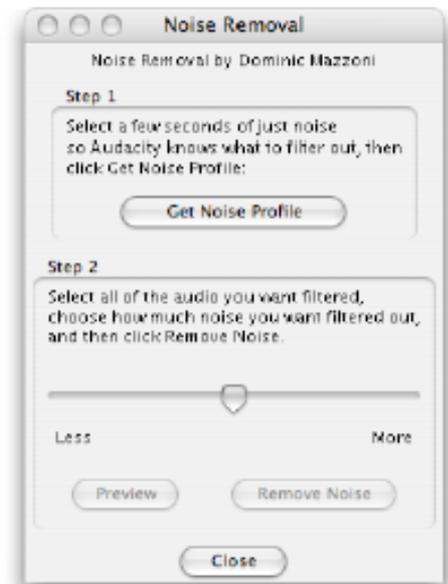
Eliminating

**reduce file size
to make your
audio file more
portable**

The steps for Noise Removal

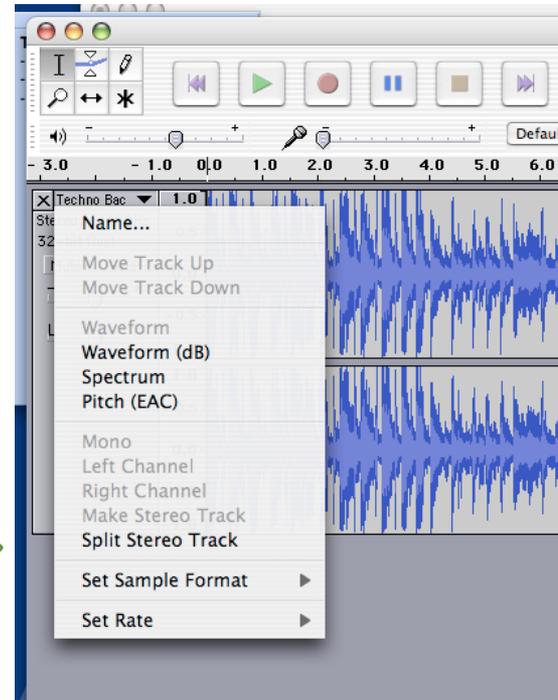
Noise Removal Tool

- Open the Noise Removal tool from **Effects** menu
- We are going to **Get Noise Profile** from the selection
- Back in the edit window of Audacity we **Edit / Select All**
- Then back to Noise Removal under **Effects** and click **Preview** to sample or **Remove Noise** to have effect applied.



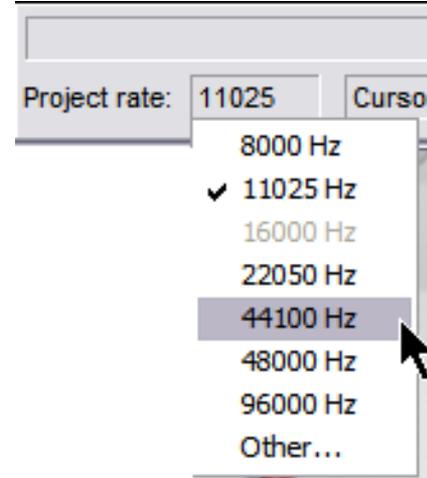
Split one
stereo track
into separate
left and right
channels

Track drop down menu



In Audacity 2, there is a command in the menu to Split Stereo to Mono directly

Changing mHZ
will give you
smaller files



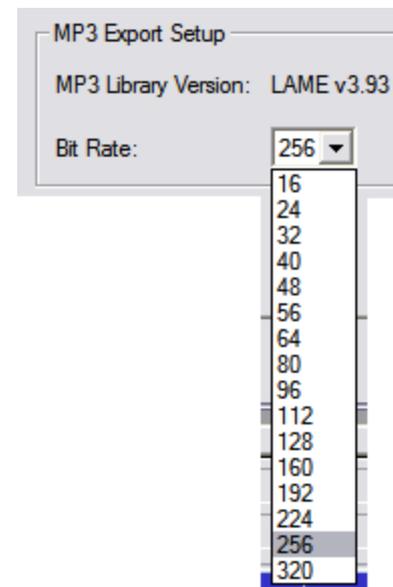
barenaked ladies one week

wav original 30.1mb

wav 22050 mhz 15.8mb

wav 11025 mhz 7.9mb

Adjust mp3 bit
rate menu to
reduce file size



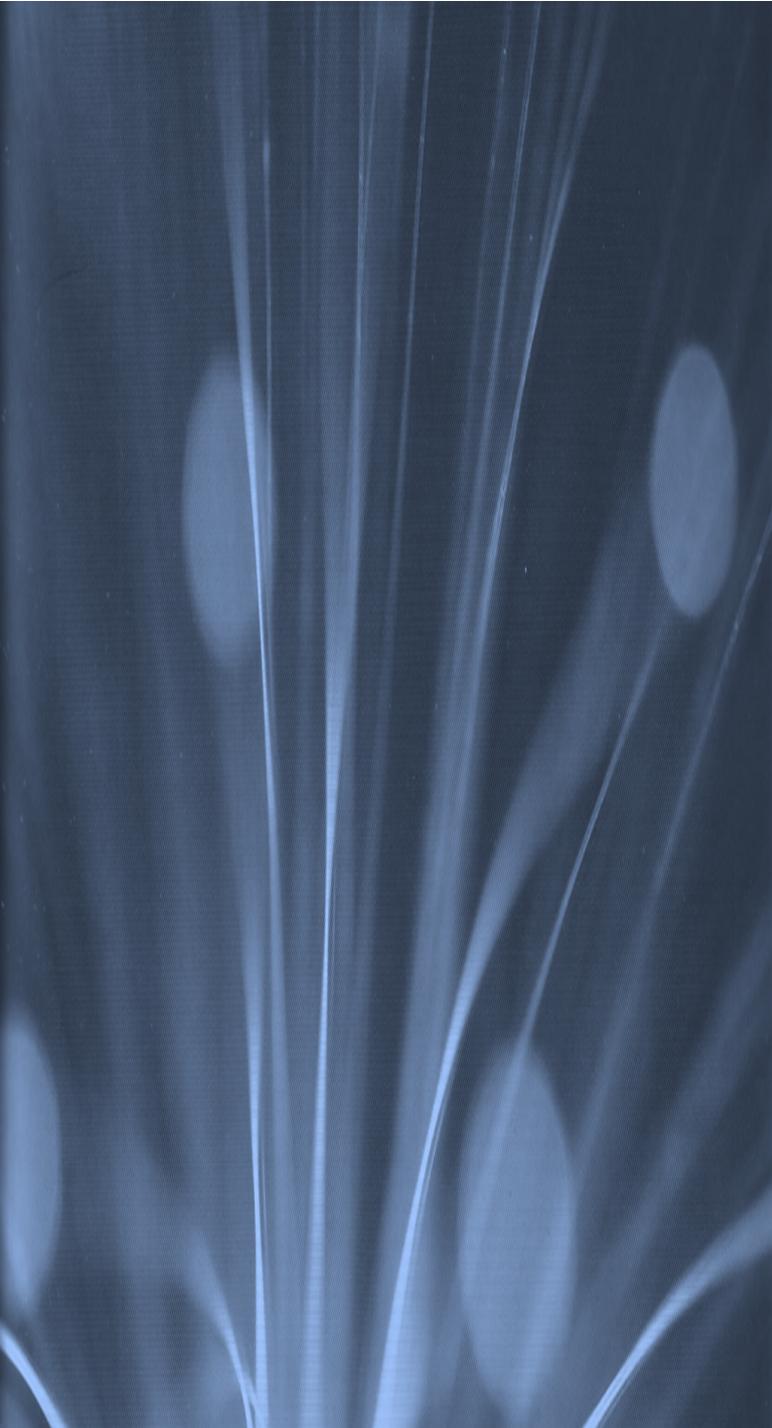
barenaked ladies one week

wav original 30.1mb

mp3 256bps 5.4mb

mp3 128bps 2.7mb

In Audacity 2, you change the bit rate after clicking the Options button in the Save dialog box and selecting mp3 format



it's time for a drawing

Event
Edit
Eliminate



Goodbye

Neglect Not the Gift that is in You
—1 Timothy 4:14

*It is never crowded along the
extra mile... Dr. D. Wayne Dyer*

brought
to you by


The
CreativeEdge

Now Hear This

3 Techniques to Clean Up Your Audio

Ivan Taylor
17 March 2012

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Notes

(for all downloads go to www.thecreativeedge.org/download/cue)

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1. Two drawbacks to having in the field equipment are _____ and _____.
2. The 3 of the 4 types of mic connectors are _____, _____, _____, _____.
3. What do the number of rings on a post signify
one= _____ two= _____ three= _____.
4. The two types of input ports on a computer are _____ and _____.
5. An iPad needs a _____ or _____ to record audio.
6. A mixer uses _____ and/or _____ to adjust audio levels.
7. You should set up individual mics to record on _____ track(s).
8. List 3 components of an in the field recording studio:

Notes

(for all downloads go to www.thecreativeedge.org/download/cue)

1. Two drawbacks to having in the field equipment are _power_ and _people_.
2. The 3 of the 4 types of mic connectors are _XLR_, _1/4 or 6.3mm_, _1/8 or 3.5mm_, RCA_.
3. What do the number of rings on a post signify
one= _mono_ two= _stereo_ three= _stereo and mic_.
4. The two types of input ports on a computer are _USB_ and _analog_.
5. An iPad needs a _Camera Connection Kit_ or _mic (newer model)_ to record audio.
6. A mixer uses _sliders_ and/or _dials_ to adjust audio levels.
7. You should set up individual mics to record on _individual or one_ track(s).
8. List 3 components of an in the field recording studio:
Mic, mixer, cables, storage device, adapters and connectors, batteries or power