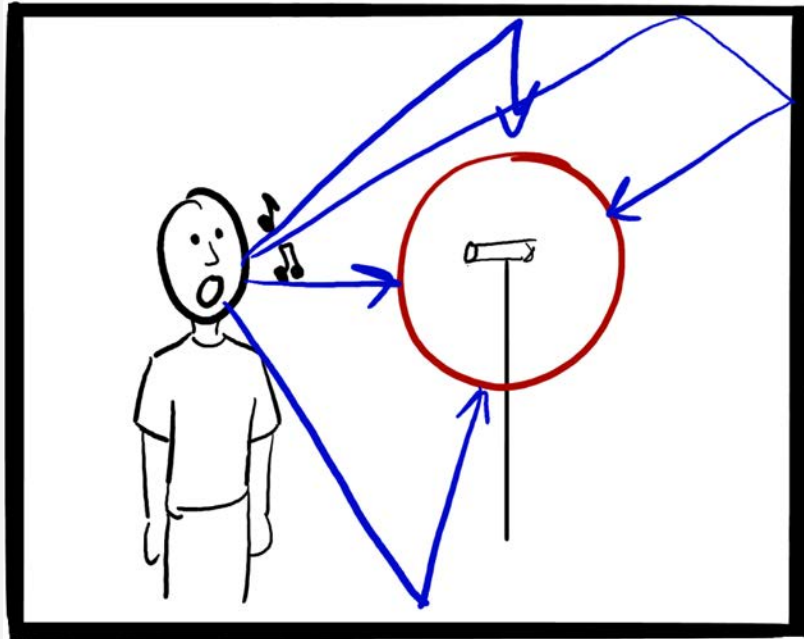


A collage of audio equipment. On the left is a blue Zoom recorder with a digital display showing '001:51:22'. In the center is a silver Shure microphone. On the right is a black Audio-Technica microphone on a tripod stand. An orange banner is overlaid across the middle of the image.

IMPROVING ZOOM AUDIO WITH MICROPHONES

OMNIDIRECTIONAL



CARDIOID

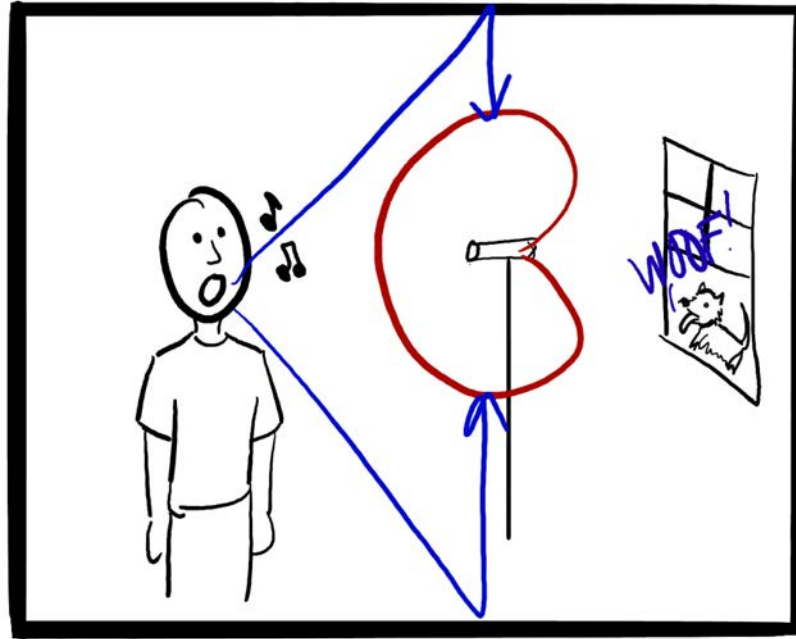
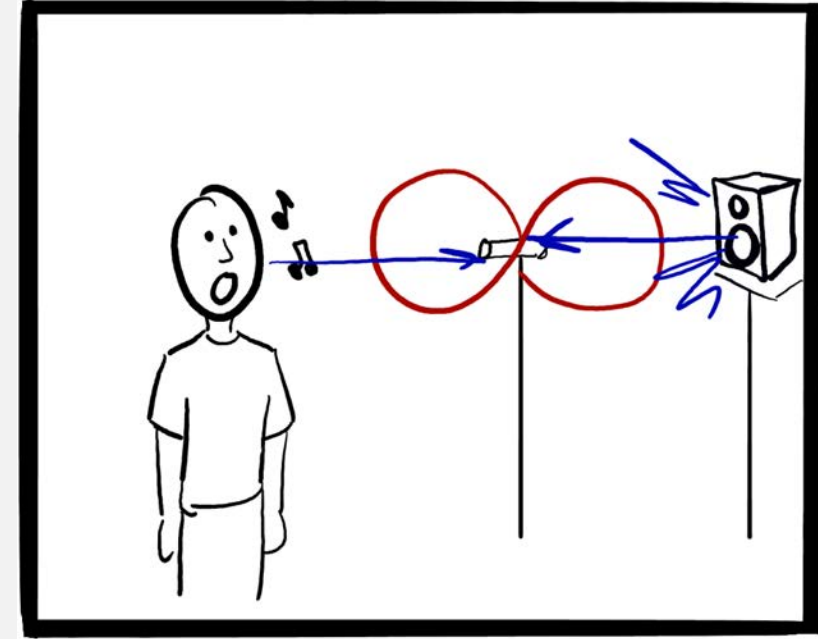
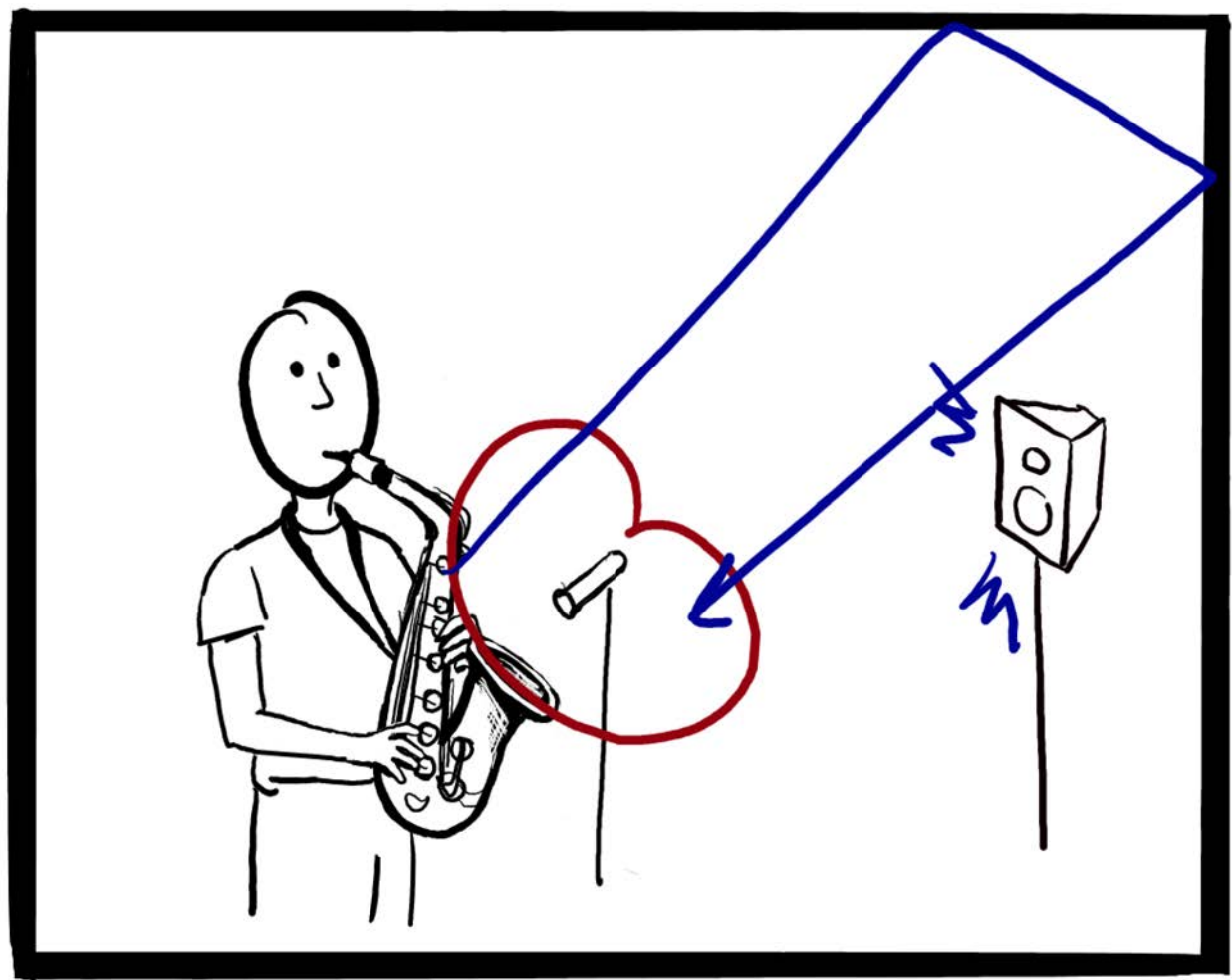
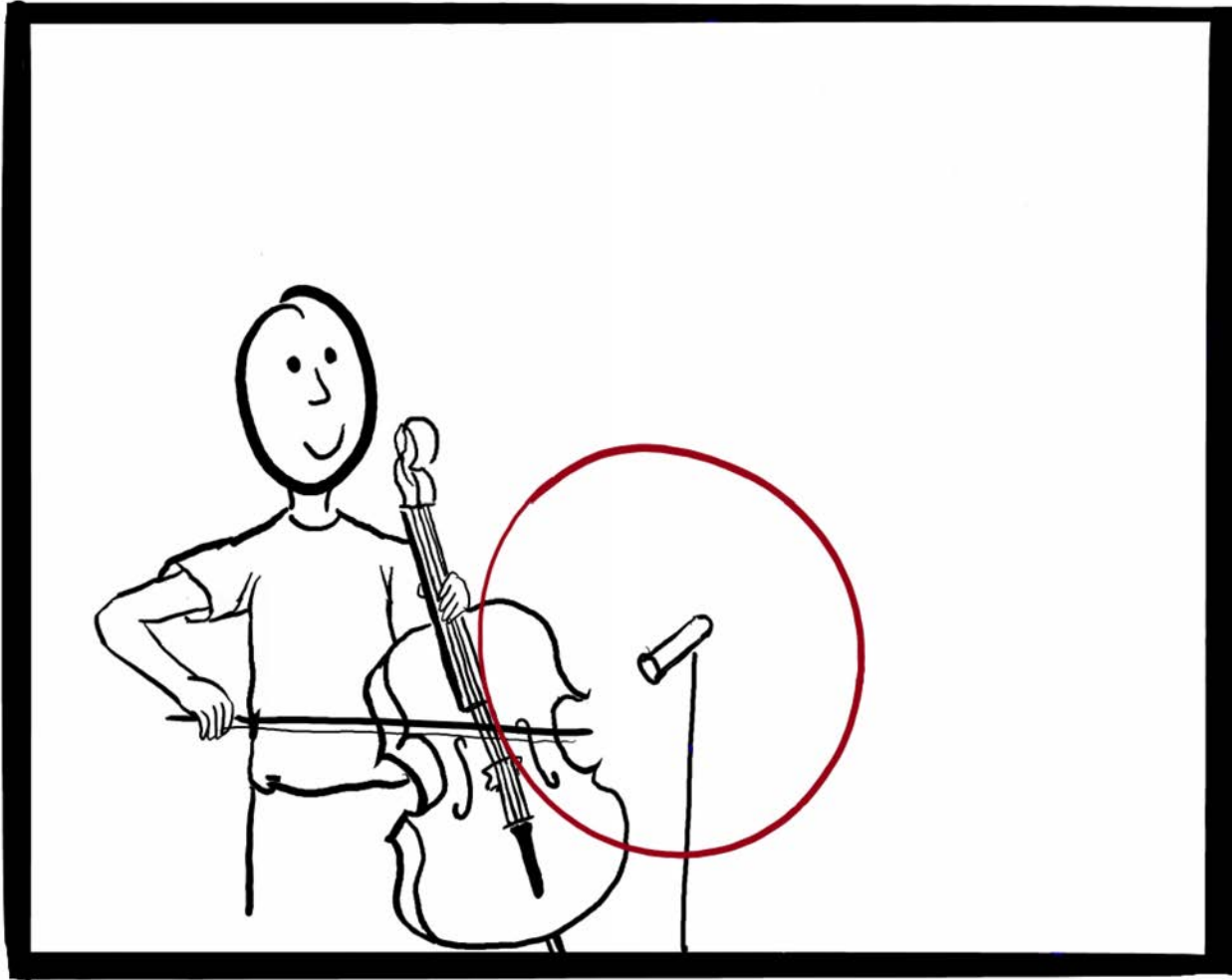


FIGURE-8



MICROPHONE
DIRECTIONALITY

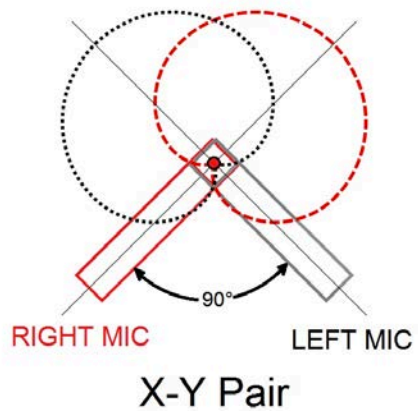




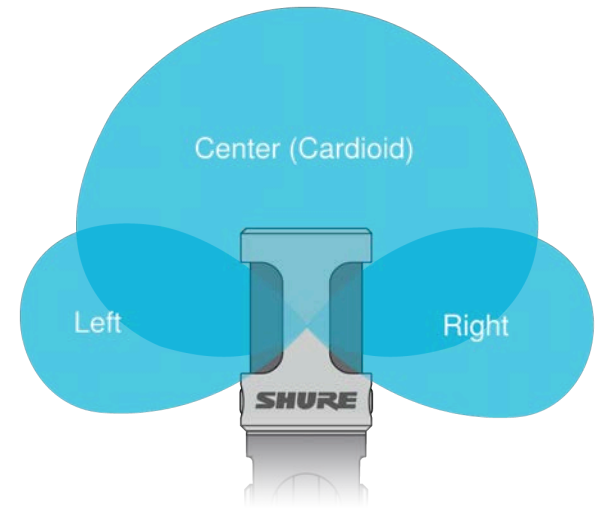
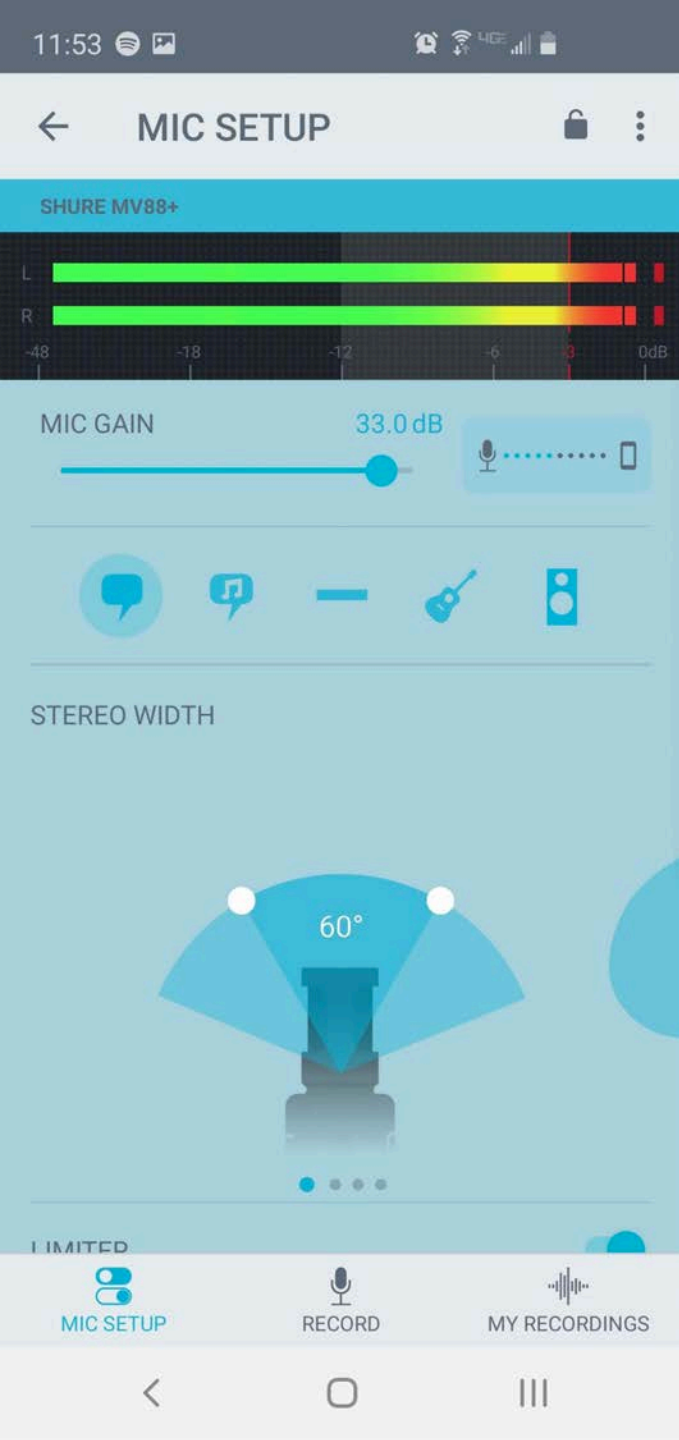
AT2020/ATR-2500X



MUSICAL ENSEMBLE



ZOOM H1N



SHURE MV88/MV88+

Settings

- General
- Video
- Audio**
- Share Screen
- Chat
- Virtual Background
- Recording
- Profile
- Statistics
- Feedback
- Keyboard Shortcuts
- Accessibility

Speaker

Test Speaker

Built-in Output (Headphones)

Output Level: [Progress Bar]

Output Volume: [Slider]

Microphone

Test Mic

H Series Stereo Track Usb Audio

Input Level: [Progress Bar]

Input Volume: [Slider]

Automatically adjust microphone volume

Use separate audio device to play ringtone simultaneously

Join audio by computer when joining a meeting

Mute microphone when joining a meeting

Enable stereo

Press and hold SPACE key to temporarily unmute yourself

Advanced

Settings

- General
- Video
- Audio**
- Share Screen
- Chat
- Virtual Background
- Recording
- Profile
- Statistics
- Feedback
- Keyboard Shortcuts
- Accessibility

< Back

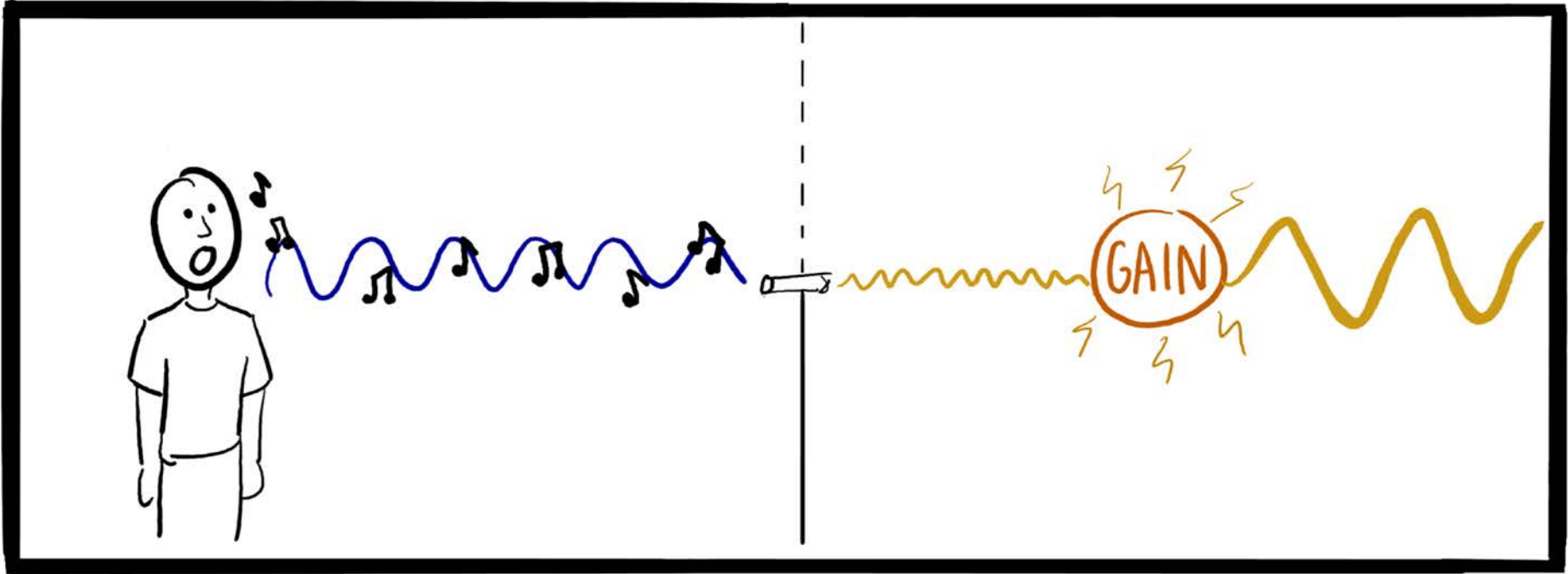
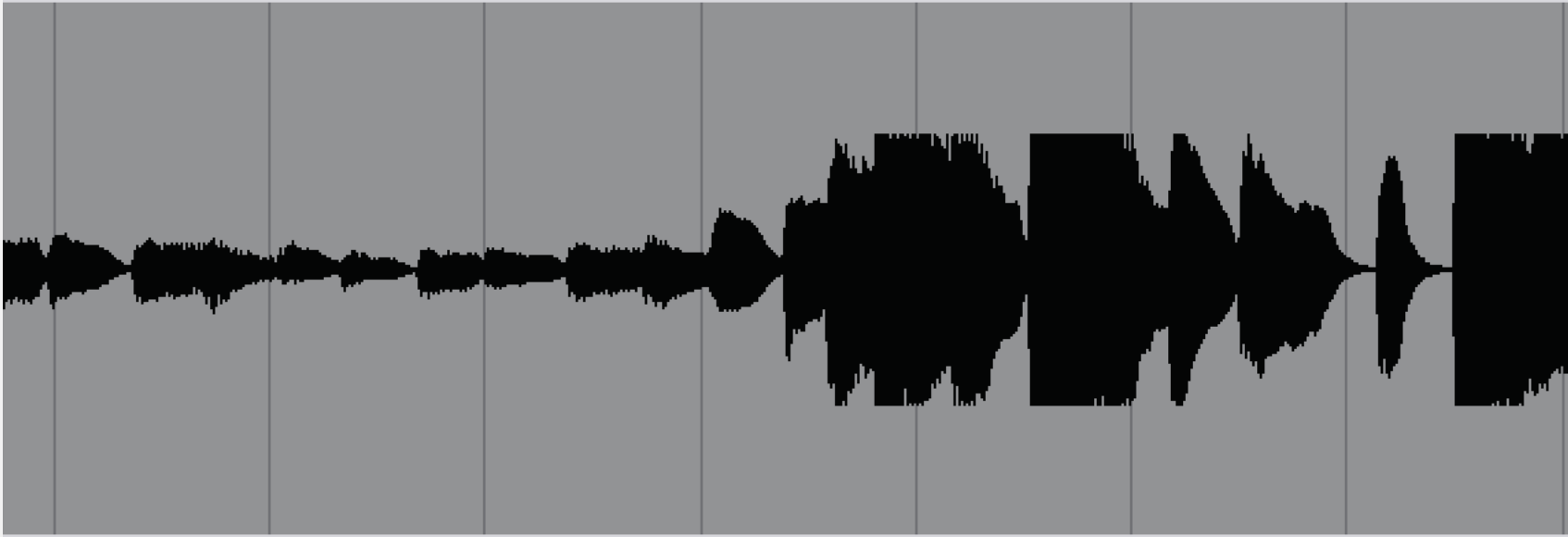
Show in-meeting option to "Enable Original Sound" from microphone

Audio Processing Restore Defaults

Suppress Persistent Background Noise ⓘ Disable

Suppress Intermittent Background Noise ⓘ Disable

Echo Cancellation Auto



Dan Rorke

Email: drorke@msmny.edu

Microphone information:

Shure MV88: <https://www.shure.com/en-US/products/microphones/mv88>

Audio Technica 2500x-USB: https://www.audio-technica.com/cms/wired_mics/519ee24228b93e77/index.html

Zoom H1n: <https://www.zoom-na.com/products/field-video-recording/field-recording/zoom-h1n-handly-recorder>

Working with microphones:

Stereo patterns: <https://www.sweetwater.com/insync/7-stereo-miking-techniques-you-should-try/>

Proximity Effect: https://service.shure.com/s/article/why-does-proximity-effect-occur?language=en_US



<https://rogueamoeba.com/>

Rogue Amoeba makes great software for MacOS that can really enhance Zoom audio experience.

Quality of life plugin for audio preferences in Mac: <https://rogueamoeba.com/soundsources/>

Virtual audio devices, routing between software applications: <https://rogueamoeba.com/loopback/>

Adding plugins (reverb, EQ, etc) to your microphone input: <https://rogueamoeba.com/audiohijack/>