Using the Macaulay Library to Find Audio and Video Specimens

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Basic Searches

1. Go to http://macaulaylibrary.org and type a common name, scientific name (genus or species) or a catalog number into the “Search by species” main box.

Click “Find” to see the results.

2. Tabs listing audio and video results will appear, with a maximum of 100 results displayed per page. Toggle between the results tabs at the top to jump from video to audio recordings. Summary information on this screen includes catalog number, scientific name, common name, location (country and state), recording date, recordist, and recording length. For audio results, it also lists whether they are calls, songs, or mechanical noises.
3. Use the navigation arrows or page number entry at the top or bottom right hand corner of the list to see more pages of results.

For videos, you can switch to view the results as thumbnail icons using the link in the upper left corner.

4. Click directly on any “play” arrow to immediately hear the recording (as a streaming .mp3) or directly on the catalog number to see more details.

5. The specimen will also begin playing in the details page (as a streaming .mp3). Here you can find more detailed information on location (e.g., latitude/longitude coordinates, elevation, Google map), identity of any background species in the recording, recordist notes, equipment used to make the recording, and technical information such as sampling rate.

http://birds.cornell.edu/orb
6. Options that can be selected from this page include panning, zooming, or changing the type of map, as well as…

• Browsing the taxonomy tree for more audio and video recordings of that species or related species,

• Viewing more video results,

• Or viewing more audio results.

Playing Streaming Media

1. By default, audio files open as streaming .mp3s, and video recordings open as streaming H.264 files. The proper players should already be installed on most computers, but if you need to download an Adobe Flash plug-in for your browser, you can do so at: http://www.adobe.com/products/flashplayer/

2. To see dynamic spectrograms and waveforms of the sound characteristics, choose the spectrogram icon in the upper right corner (for the video results) or below the catalog number and to the right of the play icon (for the audio results).

3. If you are downloading Raven Viewer for the first time, go to http://macaulaylibrary.org/raven-viewer or navigate to “About” > “Raven Viewer” from anywhere within the website.

Raven Viewer is a plug-in for QuickTime, so you will need to install QuickTime if you do not already have it.
4. After installing QuickTime (if needed), choose the appropriate Windows or Mac download link.

A file download of either “AudioVisualizations30.EXE” (PC) or “AudioVisualizations.dmg” (Mac) will begin. If the installer does not start automatically, locate this file on your desktop or in your downloads folder to begin installing Raven Viewer.

You might need to restart your web browser (such as Safari or Firefox) for Raven Viewer to start working.

5. Check the “Raven Viewer” > “FAQ” page if you need more information or get stuck during the download process. For more theoretical background on what the sound visualization tools show you and how to adjust settings, see the “Raven Viewer” > “Details” page.
# Browse by Taxonomy

1. Go to [http://macaulaylibrary.org](http://macaulaylibrary.org) and select “Find” > “Browse by Taxonomy” from the top menu.

2. A list of scientific and common names will appear. Choose the name of an animal group to browse.

3. Navigate to the family, genus, and eventually the species of animals you are looking for.

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**Browse by Taxonomy**

Animals > Chordata > Aves > Gaviiformes > Gaviidae > Gavia

<table>
<thead>
<tr>
<th>Audio</th>
<th>Video</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>95</td>
</tr>
<tr>
<td>1</td>
<td>32</td>
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<td>108</td>
<td>150</td>
</tr>
<tr>
<td>11</td>
<td>24</td>
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</tbody>
</table>
4. Choose Audio or Video and select the desired recording from the results.

<table>
<thead>
<tr>
<th>Audio Results</th>
<th>Video Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Catalog</strong></td>
<td><strong>Sound Type</strong></td>
</tr>
<tr>
<td>1. 10764</td>
<td></td>
</tr>
<tr>
<td>2. 906</td>
<td></td>
</tr>
<tr>
<td>3. 504</td>
<td></td>
</tr>
</tbody>
</table>

**Advanced Searches**

1. Go to [http://macaulaylibrary.org](http://macaulaylibrary.org) and select the “+” icon next to the find button by the search. This will allow you to do an “Advanced Search” from the top menu.

2. If you have a specific group you wish to search for, start to type it straight into the “search” field. For best results, wait until the auto-fill box of suggested common and scientific names comes up, and then click the one you want.
3. The advanced search dropdown menu will now allow you to enter several optional search criteria including location, recordist, catalog number, and behavior. As you begin to type into the boxes, a selection of possible entries will appear.

For location, specificity can range from the national or state to U.S. county level.

4. There are checkboxes for specifying age, sex and other subjects of interest including environmental recordings, recordings of people, and effects. The “Audio” box is checked by default, however you may choose to check “Video” if you only want video results, for example.

5. You can do any or all of the above steps, but the more fields you leave blank, the more results you will get.