This file contains complete instructions for using the comprehensive database search software that accompanies the *Anthology for Sight Singing*.

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TUPLETs Search Option ........................................................................ 28
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INTRODUCTION

The Anthology for Sight Singing (hereafter referred to as the Anthology) contains twelve hundred and thirty-six musical excerpts of varying lengths. Every part of every excerpt has been analyzed for musical content and the resulting data have been entered into the Anthology’s database. The Anthology Search Software (hereafter referred to as “the software”) allows users to easily isolate, display, and print lists of excerpts that meet various search criteria.

For years, instructors have paged through sight-singing books looking for just the right excerpts to fill certain teaching needs. Such searches are usually time consuming, frequently difficult, and often fruitless. But this Anthology Search Disk allows instructors to perform automated searches based on a wide variety of musical and pedagogical criteria, with results returned virtually instantaneously.

Using the software, users can select any combination of the following search parameters (for details on each option, see “Additional Parameter Selection Information,” below):

<table>
<thead>
<tr>
<th>Key Signature</th>
<th>Clef</th>
<th>Meter</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parts</td>
<td>Length</td>
<td>Starting Scale Degree</td>
<td>Pitch Content</td>
</tr>
<tr>
<td>Melodic Shape</td>
<td>Style</td>
<td>Modulations</td>
<td>Skips to Scale Degree</td>
</tr>
<tr>
<td>Melodic Intervals</td>
<td>Outlined Chords</td>
<td>Ties</td>
<td>Shortest Beat Division</td>
</tr>
<tr>
<td>Syncopation</td>
<td>Dotted Notes</td>
<td>Ties</td>
<td></td>
</tr>
<tr>
<td>Anacrusis</td>
<td>Hemiola</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Melodic Sequence</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Users can easily perform simple searches of the Anthology, such as “all entirely conjunct excerpts with no sharps or flats,” and much more complicated searches, such as “all Baroque-style excerpts in a major key containing outlined tonic chords that modulate to either V or VI in simple triple meter.” The software will list all the excerpts that match the search.

The results can be viewed on the computer screen in three different ways:

- A simple list of excerpt numbers and part numbers
- Musical incipits with full title and selected performance hints
- A formatted list of search criteria and excerpts

As more search criteria are imposed, fewer excerpts will be found. For example, the first search above finds twenty nine excerpts. The second finds only four. Certain combinations of parameters are likely to find no matches. Users should be realistic in their expectations of matches when selecting combinations of many parameters.

Although the sequence of excerpts in the Anthology for Sight Singing was designed to follow the learning sequence found in W. W. Norton’s Manual for Ear Training and Sight Singing (ISBN 0-393-97663-7) by Gary S. Karpinski, the database search software allows instructors to easily customize the Anthology to fit any aural-skills curriculum.
COMPUTER CONFIGURATION

The Anthology’s database search application requires the following configuration:

- Windows XP or Mac OS X operating system
- 1024 x 768 monitor resolution preferred, though the program will run at 800 x 600 and 1280 x 1024.
- CD-ROM Reader (The program is designed to autorun off of the CD-ROM)
- Adobe Acrobat® Reader 7 or later

A printer and a connection to the internet are suggested but not required.

RUNNING THE PROGRAM

The Anthology search software is intended to be run off the CD-ROM; however, if the software is copied to a hard disk using the same directory structure as on the CD-ROM, it should also run from the hard disk.

Starting the Program on a PC

If Autorun is enabled, the database search application should load and run automatically when the CD is placed in the PC’s CD-ROM drive. If your computer’s Autorun utility is disabled, open the CD from your desktop and click on the Start button (on Windows) and either Run and browse to the SSA.EXE file on the CD-ROM or, alternately, right-click on the Start button and then click Explore to bring up the Windows Explorer. Browse to the CD-ROM and double-click the SSA.EXE Flash icon (this may be labeled only SSA if you do not have file extensions turned on in the Explorer).  

Starting the Program On a Mac

Insert the CD-ROM into the Mac. Open the CD-ROM icon and launch the SSA file (which has the following icon):

Loading

A loading page appears with a progress bar indicating that the database is loading. This normally takes a few seconds. The actual time will vary depending on the speed of the
computer. After the database loads, the main database search application display window will appear (see Figure 1).

**Figure 1 - Anthology Search Main Window**

The program is ready to use as soon as this screen appears. The screen is divided into a number of functional areas:

- **SELECT SEARCH OPTION list** for selecting which search criteria to use
- **SELECT SEARCH PARAMETERS panel** for selecting one or more parameters associated with each criterion chosen in the SELECT SEARCH OPTION LIST
- **BROWSE SEARCH RESULTS list** displays the numbers of the excerpts that match the selected search criteria; users can click on any excerpt number in this list to bring up the associated incipit in the INCIPIT DISPLAY panel
- **CONTROLS panel** allows users to control certain aspects of the program display and operation, such as previewing results, printing results, resetting for a new search, and a number of other settings that limit and randomize searches (described below)
- **INCIPIT DISPLAY panel** shows the incipit extracted from the Anthology for the excerpt selected in the BROWSE SEARCH RESULTS list
Basic Use of Software

To use the software, simply choose an option in the SELECT SEARCH OPTION list, then check specific parameters for that option in the SELECT SEARCH PARAMETERS panel. You may continue to choose other search options and parameters in the same manner. All your selections will remain active until you choose BEGIN NEW SEARCH in the CONTROLS panel. The total number of matches will be shown in the STATUS line. The numbers of the excerpts that match your search parameters will be displayed in the BROWSE SEARCH RESULTS list. Select any of these entries to see the associated incipit in the INCIPIT DISPLAY panel. Select the PREVIEW button in the CONTROLS area to see a formatted display of the excerpts that match the search criteria. Select the PRINT RESULTS button to send a similar formatted list to the printer.

Specific details on using the program are given below.

SELECT SEARCH OPTION List

The SELECT SEARCH OPTION list is used to select a search option, as shown in Figure 2.
If you move your pointer through this list, individual items will be highlighted in blue. When you select an item in this list, it will be highlighted in dark green and all parameters associated with that search option will be displayed in the **SELECT SEARCH PARAMETERS** panel to the right.

### SELECT SEARCH PARAMETERS Panel

Once a search option has been selected, you can choose any combination of checkbox and radio-button options in the **SELECT SEARCH PARAMETERS** panel, all of which stem from the currently-selected option. New search results will be displayed instantaneously each time a parameter is changed (selected or de-selected). The **BROWSE SEARCH RESULTS** list will be updated automatically, indicating what excerpts (if any) match the current set of search criteria. The total number of excerpts that match the search is displayed in the **STATUS** line. Figure 3 shows a search for all major and minor mode excerpts.
Additional search options can then be selected to refine a search. If the search shown in Figure 3 is expanded to add all excerpts that also contain two and three sharps, two search options now become active (highlighted in green) as shown in Figure 4.

You can easily select additional parameters (or deselect previous ones), each time triggering new search results. All parameters within a given search option can be deselected by clicking the **RESET** button that appears in the **SELECT SEARCH PARAMETERS** panel (after which the search results will once again automatically update). The **RESET** button applies to only the parameters in the currently displayed **SELECT SEARCH PARAMETERS** panel.

You can always scroll through the **SELECT SEARCH OPTION** list to identify the currently-selected options. All options for which at least one parameter has been selected will be highlighted in green.

If you wish to reset all options, the **BEGIN NEW SEARCH** button should be selected in the **CONTROLS** panel.
BROWSE SEARCH RESULTS List

The scrollable **BROWSE SEARCH RESULTS** list displays the numbers of all excerpts that match the given search criteria. (Figure 5 shows sample results.) For multiple-part excerpts, the list indicates which individual part(s) of an excerpt match the search criteria. As you scroll through this list, you can select any item to display the associated incipit for that excerpt in the **INCIPIT DISPLAY** panel.

**Figure 5 – BROWSE SEARCH RESULTS List**

<table>
<thead>
<tr>
<th>BROWSE SEARCH RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
</tr>
<tr>
<td>43 (2 parts)</td>
</tr>
<tr>
<td>43 (part 1 of 2)</td>
</tr>
<tr>
<td>43 (part 2 of 2)</td>
</tr>
<tr>
<td>44</td>
</tr>
<tr>
<td>49 (6 parts)</td>
</tr>
<tr>
<td>49 (part 1 of 6)</td>
</tr>
<tr>
<td>49 (part 2 of 6)</td>
</tr>
<tr>
<td>49 (part 3 of 6)</td>
</tr>
<tr>
<td>49 (part 4 of 6)</td>
</tr>
<tr>
<td>49 (part 5 of 6)</td>
</tr>
<tr>
<td>49 (part 6 of 6)</td>
</tr>
</tbody>
</table>

The list displays excerpt numbers from the *Anthology*. Searches that match multi-part excerpts also print part information in parentheses after the excerpt number. The notation “(2 Parts)” indicates the complete 2 part excerpt, “(2 of 2)” indicates the second of two parts, etc.

Some search parameters may match both individual parts and multi-part excerpts. For example, if only the **MODE** and **SIGNATURE** parameters are used for a search (as in the above example), both individual parts and full multi-part excerpts will match because these parameters are not part-centric. However, if the **STARTING SCALE DEGREE** parameter is added to the search, the multi-part excerpt itself will not appear in the results list, because this parameter applies only to individual parts.

Note that the **ENSEMBLE MODE** option in the **CONTOLS** panel can be used if you wish to search for only multi-part excerpts and use only the search parameters that apply to multi-part excerpts (see Control options, below).

**STATUS Line**

After each search, the **STATUS** line at the bottom of the window displays how many excerpts were found during each search. For example:

**STATUS:** 274 Examples Matched Search
Note that if you select too many search options, you can easily create a search where no matches are found:

**STATUS:** 0 Examples Matched Search

**INCIPIT DISPLAY PANEL**

When an item in the BROWSE SEARCH RESULTS list is selected, the associated musical incipit is displayed in the INCIPIT DISPLAY PANEL. The term *incipit* is used in the software to denote an initial fragment of the associated *Anthology* excerpt, usually about two to four measures in length. Incipits offer some idea of the musical content of each excerpt, and they display the full title and other information as found in the *Anthology*. Single-part incipits also include performance hints as shown in the *Anthology*. (See Figure 6 for an example.)

**Figure 6 – BROWSE SEARCH RESULTS Item Selected with INCIPIT DISPLAY PANEL**
CONTROLS

A simple CONTROLS panel (see Figure 7) appears at the lower left-hand side of the screen. This panel contains a number of selections that control the type of search, as well as preview and printing options, and starting a new search.

![Figure 7 - CONTROLS Panel](image)

- **BEGIN NEW SEARCH Button**
  This completely resets and clears all search parameters to prepare for a new search as if the program were restarted. It can be selected at any time.

- **PREVIEW RESULTS Button**
  This allows you to preview a scrollable text area that includes a summary of all parameters selected plus all excerpts found. Once you click this button, a formatted preview panel will appear showing pertinent information and a list of all excerpts (and associated parts) that match the current search. While the preview panel is displayed, the PREVIEW RESULTS button changes to a HIDE RESULTS button, which can be clicked to hide the preview panel. This panel is also removed when you select any new search parameters or starts a new search.

For example, Figure 8 shows a PREVIEW RESULTS panel displayed in response to a search for all medium-length excerpts with 2-sharp key signatures in simple triple meter:
The PRINT RESULTS button is used to print a formatted list of excerpts, similar in content to the preview list. The standard print window for the appropriate operating system will appear when this option is selected and you can proceed with your printing options from there.

DISPLAY MANUAL CHAPTERS Control

When this option is selected, the related chapter in W. W. Norton’s Manual for Ear Training and Sight Singing will be displayed beside each excerpt number in the BROWSE SEARCH RESULTS panel (as shown in Figure 10) so you can cross reference from the Anthology to the Manual. For further information, please access this link: (http://www.wwnorton.com/college/titles/music/karpinski/welcome.htm)
Note that the final set of excerpts in the *Anthology for Sight Singing* do not correspond to a specific chapter in the *Manual for Ear Training and Sight Singing*. These are called “Additional Excerpts for Sight Singing,” and the “Ch.Add” indication in the BROWSE SEARCH RESULTS list refers to these excerpts when the DISPLAY MANUAL CHAPTER option is turned on.

**DISPLAY EXACT MATCHES Control**

By default, the program displays all excerpts that contain a requested search parameter. For example, if you search for excerpts containing melodic intervals of a P4th and P5th, all excerpts that contain these intervals plus any other intervals will be displayed. However, when the DISPLAY EXACT MATCHES option is selected, only those excerpts that exactly match the search criteria will be found. In this case the excerpts will contain only perfect fourths and perfect fifths, but no other melodic intervals. Using the DISPLAY EXACT MATCHES option can quickly reduce the number of matches found.

Use this option with care. It is intended primarily for use on melodic and harmonic content search options (such as when an instructor may want to emphasize the study of a particular set of intervals or chords). Using this option with other search parameters will often yield no results. For example, if you select two options from a global parameter such as key signature and then select the DISPLAY EXACT MATCHES option, no matches will be found because each excerpt is encoded with a single key signature.

**ENSEMBLE MODE Control**

When this option is selected, only multi-part excerpts will be displayed, not one-part excerpts nor individual parts of multi-part excerpts. The database encodes all parts of multi-part excerpts together as single entries in addition to storing data for each part. Note that some search criteria do not apply to multi-part excerpts (such as starting scale degree). This option is mostly intended to facilitate searches for harmonic content resulting from multiple parts as they are sung together.

**RANDOMIZE RESULTS Control**

When RANDOMIZE RESULTS is selected, the search results will be displayed in random order. This is intended for times when users want to create lists of excerpts that will be different each time but based on the same search criteria. This option is especially feasible for searches in which many matches are detected. The RANDOMIZE RESULTS option is particularly useful in conjunction with the search LIMIT control. These options should be deselected to return to displaying results in numerical order. If the RANDOMIZE RESULTS option is selected again, a different random order of results will be displayed.
Any random list generated using this option may also be previewed and printed using the PREVIEW RESULTS and PRINT RESULTS buttons.

(Search) LIMIT

The LIMIT radio buttons in the CONTROLS panel determine how many search results are displayed in the BROWSE SEARCH RESULTS list. NONE (the program default) indicates that there is no limiting on search display and all excerpts found will be displayed. The 100 and 25 radio button options limit the number of excerpts shown in the BROWSE SEARCH RESULTS list and associated preview and print functions. Most users will wish to use the LIMIT option in conjunction with the RANDOMIZE RESULTS option for searches that find many matches. Together, these two functions allow users to create a series of unique, short lists. Note that the STATUS line will always display the total number of items found, not the limited display-list number.

LINKS

The bottom of the screen includes a few links to web sites and to files on the CD-ROM (see Figure 13). This function assumes that a Web browser and a PDF Viewer are accessible on the computer.

Figure 10 - Links Area

Antology Search Disc Help

This link opens this help file, which is included on the CD-ROM.

Technical Support

This links to the http://www.wwnorton.com/techsupport/helpdesk technical support page.

Manual Information

This links to the W. W. Norton Web page for the Manual for Ear Training and Sight Singing.

W. W. Norton & Company, Inc.

This links to the main W. W. Norton web site: www.wwnorton.com.
**ADDITIONAL PARAMETER SELECTION INFORMATION**

This section presents full descriptions of the parameter selections available for each search option.

**Signature Search Option**

The SIGNATURE search option includes the following parameter selections:

- No Sharps/Flats
- 1 Sharp
- 2 Sharps
- 3 Sharps
- 4 Sharps
- 5 Sharps
- 6 Sharps
- 7 Sharps
- 1 Flat
- 2 Flats
- 3 Flats
- 4 Flats
- 5 Flats
- 6 Flats
- 7 Flats

Specific key signatures (C Major, b minor, etc.) are not used. Instead, you have the option to choose the mode in the MODE search option. This offers better control in specifying all modes (not just major and minor) in relation to any given signature.

Note that the signatures of a few excerpts are notated using accidentals and the key signature contains no sharps or flats. In these cases, the search matches the signature implied by the accidentals. The following excerpt matches a search for five flats.

Some excerpts use a combination of key signature and accidentals (mostly excerpts that use incomplete signatures or those that have modulated by the point where the excerpt was extracted). In this case, the SIGNATURE search will match the key of the excerpt, not the signature. For example, the following excerpt matches a SIGNATURE search of five sharps, not one sharp.

---

**Aaron Copland, Appalachian Spring, rehearsal 60, mm. 1–16 (1944)**

Some excerpts use a combination of key signature and accidentals (mostly excerpts that use incomplete signatures or those that have modulated by the point where the excerpt was extracted). In this case, the SIGNATURE search will match the key of the excerpt, not the signature. For example, the following excerpt matches a SIGNATURE search of five sharps, not one sharp.

---

**Ludwig van Beethoven, Piano Sonata No. 16, Op. 31, No. 1, mvt. 1, mm. 66–73 (1802)**

**Allegro vivace**

---

16
Finally, note that key signatures for transposing instruments will match the key signature on the page. The following excerpt will match a search for zero sharps/flats.

Ludwig van Beethoven, Symphony No. 2, Op. 36, mvt. 2, mm. 8–16 (1802)

CLEF Search Option

The CLEF search option includes the following parameter selections:

- Treble
- Alto
- Tenor
- Bass
- Other

The Other option is used instead of specifying Soprano, Mezzo-Soprano, Baritone, etc., since there are not enough excerpts that use these individual clefs to justify separate headings for them.

The CLEF option does not apply to multi-part excerpts, but it is applied to one-part excerpts and to each part in multi-part excerpts if no PARTS search option is selected.

METER and ADVANCED METER INPUT Search Options

You can specify meter in one of two ways: (1) Using the METER search option to choose generic meter specifications such as Simple Duple or Compound Quadruple, or (2) Using the ADVANCED METER INPUT to specify a particular meter such as 3/4 or 6/8.

NOTE: Only one of these two kinds of meter search options can be active at a time. If one is active and the other is selected, the former search option will be negated, and it will disappear from the SELECT SEARCH OPTION list.

The METER search option contains the following parameter selections:

- Simple Duple
- Simple Triple
- Simple Quadruple
- Compound Duple
- Compound Triple
• Compound Quadruple
• Asymmetrical
• Mixed

The **Asymmetrical** selection refers to meters in 5, 7, etc., such as in the excerpt shown in the following incipit:


**Lento mistico. M.M. † = 94.** mm. 1–3 (1888)

The **Mixed** selection refers to excerpts that use a combination of meters:

“Ah! Que les femmes sont bêtes,” French folk song

The **ADVANCED METER** search option allows greater flexibility in searching for meters. The **SELECT SEARCH PARAMETERS** panel will display a tool for selecting **BEATS** and **VALUE OF BEAT** as shown in Figure 11. The values of these are initially set to **Off** (no selection active).

![Figure 11 - ADVANCED METER Selection (1)](image)

If you make a **BEATS** selection, for example 3, the **VALUE OF BEATS** will default to **Any** (see Figure 12). This will search for all excerpts with a 3 on the top of the meter sign. (In effect, this is the same as the METER search option’s *Simple Triple* option.)
You can also specify a beat value. For example, if you choose 8 as a beat value in addition to the 3 you chose in BEATS (see Figure 13), all excerpts in 3/8 meter will be added to the active search criteria. In this manner, you have complete control over the selection of any meter.

The *Any* selection can also be chosen as the BEATS parameter. For example, if you want to search for all excerpts that have a 1/6 on the bottom of the meter sign without regard to which number appears on top, choose “Any” under BEATS and 1/6 under VALUE OF BEAT, as shown in Figure 14.

Finally, setting either criterion to Off will turn both the beat and value selections to Off, effectively de-selecting the entire option.

**MODE Search Option**

The **MODE** search option includes the following parameter selections:

- Major
- Minor
- Dorian
- Phrygian
• Lydian
• Mixolydian
• Not Applicable

Some excerpts will not match any of the traditional mode categories. Checking *Not Applicable* will search for these excerpts. The *Not Applicable* option is intended to allow instructors to easily search for excerpts that are not in a well-defined key or mode. This includes both twentieth-century compositions that are obviously not intended to be in a key/mode and earlier music such as recitative segments and highly modulatory passages.

**PARTS Search Option**

The **PARTS** search option includes the following parameter selections:

• One
• Two
• Three
• Four
• Five or More

When a **PARTS** selection is made, only excerpts with that number of parts will be included in the search.

**Searching Inner Parts**

*Note:* Checking only **One** in the **PARTS** parameters will eliminate searching for individual parts in multi-part excerpts. This setting will search only the true one-part excerpts. If you wish to search for inner parts, do not use the **PARTS** search option.

Likewise, the **PARTS** search option will search for only complete multi-part excerpts, not inner parts. If you wish to search for inner parts, make sure none of the **PARTS** search options are selected.

**LENGTH Search Option**

The **LENGTH** search option includes the following parameter selections:

• Short Excerpts
• Medium Excerpts
• Long Excerpts

The length of each excerpt is determined by the number of lines it spans in the *Anthology*:

- **Short Excerpts** typically span no more than one line/staff in the *Anthology*.
- **Medium Excerpts** typically span two lines/staves in the *Anthology*.
- **Long Excerpts** typically span three or more lines/staves in the *Anthology*. 
RANGE Search Option

The **RANGE** search option includes the following parameter selections:

- Unison to Fifth
- 6th to $8^{va}$
- 9th to 10th
- 11th to 12th
- 13th and above

The **RANGE** option does not apply to multi-part excerpts, but it is applied to each part in the multi-part excerpt if no **PARTS** search option is selected.

The *Anthology* includes performance hints that give students instructions for transposing certain excerpts to fit a practical vocal range. No hint is given if the entire excerpt needs to be transposed by one or more octaves.

PITCH CONTENT Search Option

The **PITCH CONTENT** search option includes the following parameter selections:

- Entirely Diatonic
- Somewhat Chromatic
- Very Chromatic

**Entirely Diatonic** refers to excerpts that contain no pitches outside the prevailing diatonic collection. In general, the pitches given by a key signature are diatonic, whereas accidentals produce chromatic pitches. In this way, the pitches of the natural minor are all diatonic, whereas raised scale degrees 6 and 7 are chromatic. If the pitches of an excerpt are in a diatonic collection other than that given by its key signature (for example, those in the chapter entitled *Reading in Keys Other Than the Notated Key Signature*), then the prevailing pitches are considered diatonic.

**Somewhat Chromatic** refers to excerpts with a few chromatic pitches. **Very Chromatic** refers to excerpts with many chromatic pitches. Both of these determinations were made subjectively in relation to the total length of each excerpt.

The **PITCH CONTENT** search option does not apply to multi-part excerpts, but it is applied to each part in the multi-part excerpt if no **PARTS** search option is selected.

MELODIC SHAPE Search Option

The **MELODIC SHAPE** search option includes the following parameter selections:

- Entirely Conjunct
- Somewhat Disjunct
- Very Disjunct
Entirely Conjunct refers to excerpts that move entirely by step. This includes motion by major and minor seconds, but not augmented seconds (so that, for example, the interval from scale degrees 6 to 7 in a harmonic minor scale is considered a skip). For example, the following excerpt is considered Somewhat Disjunct.

No. 818 (Part 3)
Franz Schubert, Piano Sonata D. 845
[Op. 42], mvt. 1, mm. 3–4 (1825)

Somewhat Disjunct refers to excerpts with a few skips. Very Disjunct refers excerpts with many skips. Both of these determinations were made subjectively in relation to the total length of each excerpt.

The MELODIC SHAPE option does not apply to multi-part excerpts, but it is applied to each part in the multi-part excerpt if no PARTS search option is selected.

STYLE Search Option

The STYLE search option includes the following parameter selections:

- Medieval
- Renaissance
- Baroque
- Pre-Classical & Classical
- Romantic
- Post-Romantic & Twentieth-Century
- Folk
- Popular and Jazz

Most excerpts are categorized with regard to style. Not all instructors will agree with every style categorization, but most will find these style categories useful.

It should be noted that not all the excerpts in the Anthology fall into one of the above stylistic searches. These include the following excerpts.

- Hymns/Psalm Tunes: 51, 59, 427, 428, 565, 1203
- Fight Songs: 373, 537, 691
- Sousa Marches: 93, 529
The *Anthology* also contains the following carols and a lullaby, which are grouped in the Folk Style heading.

- **Carols, Lullabies**: 37, 60, 77, 111, 261, 323, 850

**STARTING SCALE DEGREE Search Option**

The **STARTING SCALE DEGREE** search option includes the following parameter selections:

- First
- Second
- Third
- Fourth
- Fifth
- Sixth
- Seventh
- Other

*First, Second, Third, Fourth, Fifth, and Sixth* refer to diatonic scale degrees only. *Seventh* refers to both the diatonic seventh scale degree in the major mode and to the chromatically raised seventh scale degree in the minor mode. *Other* refers to chromatically raised and lowered scale degrees.

Excerpts that are not in a specific mode are not analyzed for content in this area.

The **STARTING SCALE DEGREE** option does not apply to multi-part excerpts, but it is applied to each part in the multi-part excerpt if no **PARTS** search option is selected.

**SKIPS TO SCALE DEGREE Search Option**

The **SKIPS TO SCALE DEGREE** search option includes the following parameter selections. Up and down arrows are used to indicate raised or lowered scale degrees. The caret (“^”) is used to indicate *scale degree*. This notation is also used in the *Manual for Ear Training and Sight Singing*.

*Figure 15 – SKIPS TO SCALE DEGREE Parameter Selections*
Each part is analyzed for intervals that skip (jump) to other intervals, taking the current key into account. Note that there are no excerpts that match a search for skips to the lowered first or fourth scale degree. These options have been removed from the parameter list.

Excerpts that are not in a specific mode are not analyzed for content in this area.

The SKIPS TO SCALE DEGREE option does not apply to multi-part excerpts, but it is applied to each part in the multi-part excerpt if no PARTS search option is selected.

**MELODIC INTERVALS Search Option**

The MELODIC INTERVALS search option includes the following parameter selections, in which $M=$Major, $m=$Minor, $P=$Perfect, $A=$Augmented and $d=$Diminished. (See Figure 16.)

![Figure 16 - MELODIC INTERVALS Parameter Selections](image)

Each part is analyzed for melodic intervals on an interval-by-interval basis regardless of mode.

The MELODIC INTERVALS option does not apply to multi-part excerpts, but it is applied to each part in the multi-part excerpt if no PARTS search option is selected.

**OUTLINED CHORDS Search Option**

The OUTLINED CHORDS search option includes the parameter selections shown in Figure 17:
Only excerpts in the major and minor modes are analyzed for content in this area. Most pre-Baroque excerpts are not encoded for harmonic content even though portions of them may be interpreted tonally.

The OUTLINED CHORDS option applies to both multi-part excerpts and individual parts. In the multi-part case, the chord content is analyzed in a “vertical” fashion. When applied to individual parts, this search finds melodic outlines of the given chords. Some of the pitches that outline a chord in these excerpts may have been harmonized by other chords in their original contexts, but only the chords explicitly outlined in each excerpt as it appears in the Anthology will be found by this search.

MODULATES TO Search Option

The MODULATES TO search option includes the following parameter selections:

- II
- III
- IV
- V
- VI
- VII
- DISTANT KEY
- MULTIPLE KEYS
- NONE

This option applies only to major-mode and minor-mode excerpts.

The Roman numerals I, II, III, IV, V, VI, and VII are generic in that they refer to only closely related keys from each mode. For example, III refers to (1) a modulation from the major mode up a major third to a minor key, and (2) a modulation from the minor mode up a major third to a major key. Closely related keys are those major and minor
keys that may be reached through retaining the key signature but moving to the relative mode, or through adding or subtracting one sharp or flat in the circle of fifths. All other keys are distant keys.

When no MODULATES TO search parameters have been selected, the program will search all excerpts that modulate as well as all that don’t. Only when particular kinds of modulations (II, III, IV, etc.) have been selected will searches be restricted only to excerpts that modulate. The None option searches all excerpts that do not modulate.

**SHORTEST BEAT DIVISION Search Option**
The SHORTEST BEAT DIVISION search option includes the following parameter selections:

- Greater Than a Whole Beat
- Whole Beat
- Half of a Beat
- Quarter of a Beat
- Eighth of a Beat
- Third of a Beat
- Sixth of a Beat
- Other (Less Than One Beat)

This option searches for the shortest note in each excerpt, calculated in terms of the beat. The beat is defined by the meter. In 3/2, the beat is a half note. In 6/8, the beat is a dotted quarter note, etc. Instructors may use this option to restrict the level of rhythmic complexity in a list of excerpts.

**SYNCOPATION Search Option**
The SYNCOPATION search option includes the following parameter selections:

- Half of a Beat
- Third of a Beat
- Quarter of a Beat
- One Beat
- None

To clarify this nomenclature, consider the following excerpt. The beat is a quarter note, and the rhythm in the first measure is syncopated by an eighth note.
The *None* option specifically matches all excerpts that contain no syncopation.

**DOTTED NOTES Search Option**

The **DOTTED NOTES** search option includes the following parameter selections:

- 2 Beats
- 1 Beat
- 1/2 Beat
- 1/4 Beat
- 1/3 Beat
- 1/6 Beat
- Double Dotted Beat
- Double Dotted 1/2 Beat
- Other
- None

Note: The beat and its multiples in compound meters are not considered to be dotted notes for the purposes of this search. For example, a measure in 6/8 (unless specifically modified through internal notation) is normally considered to have two beats, each of which is a dotted quarter note. (This option searches for notes *extended* by dots. In compound meters, dotted-note beats and their multiples are unitary and not extended in relation to the beat.)

A dotted third of a beat would normally apply to one of the subdivisions of a compound meter beat (for example an eighth note in 6/8 meter). An example of this would be:

W. A. Mozart, Piano Sonata K. 280 (1899), mvt. 2, mm. 1–8 (1775)

The *None* option specifically matches all excerpts that contain no dotted notes.
**TUPLETS Search Option**

The TUPLETS search option includes the following parameter selections:

- 3 in 1 Beat
- 3 in 1/2 Beat
- 3 in 2 Beats
- 2 in 1 Beat
- Other
- None

The first three selections represent different kinds of triplets. The 2 in 1 Beat option represents duplets in compound meter, as shown in the following excerpt:

Reynaldo Hahn, “Cimetière de campagne,” mm. 5–12 (1893)

Andantino, sans lenteur.
très simplement.

The Other option represents other divisions of the beat, such as quintuplets and septuplets. The None option specifically matches all excerpts that contain no tuplets.

**TIES Search Option**

The TIES search option includes the following parameter selections:

- To More Than 1 Beat
- To 1 Beat
- To 1/2 Beat
- To 1/4 Beat
- To 1/3 Beat
- To 2/3 Beat
- To Other
- To None

Ties to 1/3 and 2/3 of a beat typically occur in compound meter. For example, in 6/8 meter, a third of a beat is an eighth note and two thirds of a beat is a quarter note.

The following excerpt would thus match a search for ties to two-thirds of a beat:
None option specifically matches all excerpts that contain no ties.

**ANACRUSIS Search Option**

The ANACRUSIS search option includes the following parameter selections (as radio buttons). Only one can be selected at a time:

- Ignore Anacrusis Option
- Display Excerpts with Anacrusis
- Display Excerpts with No Anacrusis

Ignore Anacrusis Option is the default, which does not consider anacrusis in a search.

Note that excerpts that do not begin with a note on the first beat of a measure are not considered to match the Display Examples with Anacrusis parameter if a complete first measure begins with rests. For example, the following excerpt is not encoded as starting with an anacrusis because the first measure begins with a quarter rest on beat one.

**HEMIOLA Search Option**

The HEMIOLA search option includes the following parameter selections (as radio buttons). Only one can be selected at a time:

- Ignore Hemiola Option
- Display Excerpts with Hemiola
- Display Excerpts with No Hemiola

Ignore Hemiola Option is the default, which does not consider hemiola in a search.

**MELODIC SEQUENCE Search Option**

The MELODIC SEQUENCE search option includes the following parameter selections (as radio buttons). Only one can be selected at a time:
- Ignore Melodic Sequence Option
- Display Excerpts with Melodic Sequence
- Display Excerpts with No Melodic Sequence

*Ignore Melodic Sequence Option* is the default, which does not consider melodic sequence in a search.