## Complete List of 3- and 4-Note Vertical Structures

(Some of which are more effective when arpeggiated)
Ted Greene, 1978-09-15, 2001-12-10
From a C root: by the Letter Names involved - not by voicing types and layouts here.

## 3-Note

| $\mathrm{E}^{\text {b }}$ | E | F | F\# | G | $A^{\text {b }}$ | $\mathrm{E}^{\text {b }}$ | E | F | F\# | G | $A^{\text {b }}$ | (A) | $\mathrm{B}^{\text {b }}$ | B |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | D | D | D | D | D | D | D | D | D |
| C | C | C | C | C | C | C | C | C | C | C | C | (C) | C | C |

\(\left.\left($$
\begin{array}{l}\mathrm{E} \\
\mathrm{E}^{\mathrm{b}} \\
\mathrm{C}\end{array}
$$\right]\left[\begin{array}{l}\mathrm{F} <br>
\mathrm{E} <br>
\mathrm{E} <br>

\mathrm{C}\end{array}\right]\)| $\mathrm{G}^{b}$ | G | $\mathrm{A}^{b}$ | A | $\mathrm{~B}^{b}$ | B | F | $\mathrm{~F} \#$ | G | $\mathrm{G} \#$ | A | $\mathrm{~B}^{b}$ | B |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| E | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | E | E | E | E | E | E | E |
| C | C | C | C | C | C | C | C | C | C | C | C |  | \right\rvert\,


| G | $\mathrm{A}^{b}$ | A | $\mathrm{~B}^{b}$ | B | G | $\mathrm{A}^{b}$ | A | Bb | B | Ab | A | Bb | B |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| F | F | F | F | F | $\mathrm{F} \#$ | $\mathrm{G}^{b}$ | $\mathrm{~F} \#$ | $\mathrm{G}^{b}$ | $\mathrm{~F} \#$ | G | G | G | G |
| C | C | C | C | C | C | C | C | C | C | C | C | C | C |\(\left|\left(\begin{array}{lll}\mathrm{A} \& \mathrm{B}^{b} \& \mathrm{~B} <br>

\mathrm{~A}^{b} \& \mathrm{~A}^{b} \& \mathrm{~A}^{b} <br>
\mathrm{C} \& \mathrm{C} \& \mathrm{C}\end{array}\right)\right|\)
"Complete List of 3- and 4-Note Vertical Structures" - Ted Greene, p. 2

## 4-Note

|  |  |  |  |  |  |  |  |  | ( $\mathrm{E}^{\text {b }}$ ) |  |  |  |  |  |  | ( $\mathrm{E}^{\text {b }}$ ) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F | F\# | G | $A^{\text {b }}$ | (F) G |  | A |  |  |  |  |  | $B^{\text {b }}$ |  | G | $\mathrm{A}^{\text {b }}$ | A | A\# |  |  |
| $E^{b}$ | $E^{b}$ | $E^{b}$ | $\mathrm{E}^{\text {b }}$ | E | E | E |  |  | F |  |  | F | F | F\# | F\# | F\# | F\# |  |  |
| $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ |  |  | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | C\# |  |  |
| C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $A^{\text {b }}$ | $B^{b}$ | B | $\mathrm{E}^{\text {b }}$ | $B^{\text {b }}$ | B | $E^{b}$ |  | F\# | G |  |  |  |  |  |  |  |  |  |  |
| G | G | G | G | $A^{\text {b }}$ | $A^{\text {b }}$ | $A^{\text {b }}$ | $\mathrm{E}^{\text {b }}$ | $E^{b}$ | $\mathrm{E}^{\text {b }}$ | $\mathrm{E}^{\text {b }}$ |  | $E^{b}$ | $\mathrm{E}^{\text {b }}$ |  |  |  |  |  |  |
| $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ | $\mathrm{D}^{\text {b }}$ |  | D | D |  |  | D | D |  |  |  |  |  |  |
| C | C | C | C | C | C | C |  | C | C | C |  | C | C |  |  |  |  |  |  |
| F | F\# | G | A | $B^{\text {b }}$ | B | G | $A^{\text {b }}$ | A | $B^{b}$ | B | G | $\mathrm{A}^{\text {b }}$ | A | $\mathrm{B}^{\text {b }}$ | B | E |  |  |  |
| E | E | E | E | E | E | F | F | F | F | F | F\# | F\# | F\# | F\# | F\# | F\# |  |  |  |
| D | D | D | D | D | D | D |  | D | D | D |  | D | D | D | D | D |  |  |  |
| C | C | C |  | C | C | C |  | C | C | C |  | C | C | C | C | C |  |  |  |
|  |  |  | (E) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\mathrm{A}^{\text {b }}$ | A | $\mathrm{B}^{\text {b }}$ | B | (A) | $B^{b}$ | B | E (o) |  | F\# | G | ( $\mathrm{A}^{\text {b }}$ | $\mathrm{A} \mathrm{B}^{\text {b }}$ B |  | F\# | G | $A^{\text {b }}$ | A | $B^{\text {b }}$ | B |
| G | G | G | G |  | $A^{\text {b }}$ | $A^{\text {b }}$ | $A^{b}$ |  | E | E |  |  |  | F | F | F | F | F | F |
| D | D | D | D |  | D | D | D |  | $E^{\text {b }}$ | $\mathrm{E}^{\text {b }}$ |  |  |  | $E^{\text {b }}$ | $E^{\text {b }}$ | $E^{\text {b }}$ | $E^{\text {b }}$ | $\mathrm{E}^{\text {b }}$ | $\mathrm{E}^{\text {b }}$ |
| C | C | C | C |  | C | C | C |  | C | C |  |  |  | C | C | C | C | C | C |


| G | $\mathrm{A}^{b}$ | A | $\mathrm{~B}^{b}$ | B | D | F | $\mathrm{A}^{b}$ | A | $\mathrm{~B}^{b}$ | B | D | F | A | $\mathrm{B}^{b}$ | B |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathrm{~F} \#$ | $\mathrm{~F} \#$ | $\mathrm{~F} \#$ | $\mathrm{~F} \#$ | $\mathrm{~F} \#$ | $\mathrm{~F} \#$ | $\mathrm{~F} \#$ | G | G | G | G | G | G | G | G | G |
| $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ |
| C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |


| $\mathrm{B}^{b}$ | B | $\mathrm{D}^{b}$ | D | $\mathrm{E}^{b}$ | F | $\mathrm{G}^{b}$ | G | $\mathrm{B}^{b}$ | B | D | F | $\mathrm{G}^{b}$ | G |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathrm{A}^{b}$ | $\mathrm{~A}^{b}$ | $\mathrm{~A}^{b}$ | $\mathrm{~A}^{b}$ | $\mathrm{~A}^{b}$ | $\mathrm{~A}^{b}$ | $\mathrm{~A}^{b}$ | $\mathrm{~A}^{b}$ | $\mathrm{~A}^{b}$ | A | A | A | A | A |
| $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ |
| C | C | C | C | C | C | C | C | C | C | C | C | C | C |


| D | F | $\mathrm{F} \#$ | G | $\mathrm{A}^{b}$ | A | D | F | $\mathrm{F} \#$ | G | A | $\left(\mathrm{B}^{b}\right)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathrm{B}^{b}$ | $\mathrm{~B}^{b}$ | $\mathrm{~B}^{b}$ | $\mathrm{~B}^{b}$ | $\mathrm{~B}^{b}$ | $\mathrm{~B}^{b}$ |  | B | B | B | B | B |
| $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | B |  |  |  |  |  |
| C | C | C | C | C | C | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ | $\mathrm{E}^{b}$ |  |
| C | C | C | C | C | C |  |  |  |  |  |  |

Amazing that the seeming vastness of chord types containing 3 or 4 notes (or more if doubled notes are included) breaks down to just these.
I would have figured on there being 100's of them.

COMPLEEZU A NOTE
From c Root:

:B ythe Lat le Name surotury

E


 $A M A Z I N G$ that the NASTNESS o chord typed containing Jor 4 notes (or more iud inked) breabes downer just these.
se would have piqued col would have 'required

