SYSTEMATICALLY INVERTING (no pbl's) FINAL
4 NOTE CHORD TYPES - Recheck of POSSIBILITIES (3½ hrs.) COMPARED TO 40-50 hrs. the 1st time
REMINDER NOTES (if I've done it too many times, I'm not doing it again!)

TO MYSELF:

LATER

TOTAL: as I had thought, it is
(35) "reg." and 8 VERY DISSON. TYPES
TOTAL = 43 but the 8 will be marginal
so effectively, for now, it is 35.

Starting from C
figure C Db

D I S S O N A N T

#	NOTES	
1	C Db Eb	
2	C Db Eb E	
3	C Db Eb F	
4	C Db D Gb	
5	C Db D G	
6	C Db D Ab	
7	C Db D A	
8	C Db D Bb	
9	C Db D B	= Same as 1

① C Db Eb E = C#mA9no3
② C Db Eb F = DbA9 "
③ C Db Eb Gb = Ab7noR = Ebm7/6no3 = Gb6#11no3
④ C Db Eb G = Eb7/6no3
⑤ C Db Eb Ab = Eb7/6sus4no3 = DbA9no3 = Bbm11no R,5 = Abadd11
⑥ C Db Eb A = F7b6noR = A#7b9no R,Db = Ao add43 = F#o7noR,#5
⑦ C Db Eb Bb = Eb7/6no3
C Db Eb B = Same as 2 above

⑧ C Db E F = DbA7#9no5 = C(7)b9no5/F
⑨ C Db E Gb = Gb7#11no3 = Ab7noR/Db
⑩ C Db E G = Eb13b9noR,5 = A7#9noR
⑪ C Db E Ab = C#mA7
⑫ C Db E A = Eb13b9#11noR,3,5 = Am add C# for ease of recogn.
⑬ C Db E Bb = C7b9no5 = F#7#11noR
C Db E B = Same as 3 above

⑭ C Db F Gb = Ab7/6noR,5/Bb = GbA7#11no3 = Bbm9/13noR,5
⑮ C Db F G = Eb13noR,5 = Bbm6/9noR,5
⑯ C Db F Ab = DbA7
⑰ C Db F A = DbA7+ = BbmA9noR = Eb13#11noR,3,5
⑱ C Db F Bb = DbA7/6no3 = Bbm/9
C Db F B = Same as 4 above

⑲ C Db Gb G = Eb13#9noR,5 = A13#9noR,5 = 2 TRITONES ½ step apart
⑳ C Db Gb Ab = Ab7no5/Bb = DbA7sus4
㉑ C Db Gb A = Ab7/9no R/Db
㉒ C Db Gb Bb = Ab9noR,Db = Gbadd#11 (A o9/11)
C Db Gb B = Same as 5 above

C Db G Ab = Same as ⑭ A7#11no3
㉓ C Db G A = A7#9no5 = Eb7/6#11noR,3,5
㉔ C Db G Bb = Bbm6/9no5 = DbA7/6#11no3,5
C Db G B = Same as 6 above

C Db Ab A = Same as ⑧ above
㉕ C Db Ab Bb = Bbm9no5 = DbA7/6no3
C Db Ab B = Same as 7 above
C Db A Bb = Same as ① above
C Db A B = Same as 8 above
C Db Bb B = Same as 1 (9) above

CD

C D Eb E = Same as 8 above
C D Eb F = Same as ⑦ above
C D Eb Gb = Same as ⑬ above
C D Eb G = Same as ⑯ above
C D Eb Ab = Same as ㉒ above
C D Eb A = Same as ㉔ above
C D Eb Bb = Same as ㉓ above
C D Eb B = Same as ① above
C D E F = Same as ㉕ above
㉖ C D E Gb = D9no5
㉗ C D E G = C/9
㉘ C D E Ab = E7+
㉙ C D E A = C6/9no5 = D9no3
C D E Bb = Same as ㉖ above
C D E B = Same as ㉗ above

CEb

C D F Gb = Same as 23
㉚ C D F G = F6/9no3
㉛ C D F Ab = Dbo7 = Fmb6 = Bb9noR
㉜ C D F A = Dm7 = F6
C D F Bb = Same as 27
C D F B = Same as ③
C D Gb G = Same as 22
㉝ C D Gb Ab = D7b5 = Ab7b5
㉞ C D Gb A = D7
C D Gb Bb = Same as 28
C D Gb B = Same as ④
C D G Ab = Same as 15
C D G A = " " 32
C D G Bb = " " 29
C D G B = " " ⑤
C D Ab A = " " 9
C D Ab Bb = " " 26
C D A B = " " 6
C D A Bb = " " 2
C D A B = " " 7
C D Bb B = " 2

CEb

C Eb E F = " " 7
C Eb E Gb = " " ⑥
C Eb E G = " " 12
C Eb E Ab = " " 11
C Eb E A = " " 23
C Eb E Bb = " " 8
C Eb E B = " " 24
C Eb F Gb = " " 29
C Eb F G = " " 32
C Eb F A = " " 34
C Eb F Bb = " " 30
C Eb F B = " " 9
C Eb Gb G = Same as 1
C Eb Gb Ab = " " 34
㉟ C Eb Gb A = Co7
C Eb Gb Bb = Same as 31
C Eb Gb B = " " 10
C Eb G Ab = " " 16
C Eb G A = " " 31
C Eb G Bb = " " 32
C Eb G B = " " 11
C Eb Ab A = " " 12
C Eb Ab Bb = " " 26
C Eb Ab B = " " 17
C Eb A Bb = " " 3
C Eb A B = " " 13
C Eb Bb B = " " 3

CE

C E Gb G = " " 6
C E F G = " " 5
C E F A = " " 11
C E F Bb = " " 26
C E F B = " " 14
C E Gb G = " " 22
C E Gb Ab = " " 29
C E Gb A = " " 31
C E Gb Bb = " " 23
C E Gb B = " " 15
C E G Ab = " " 17
C E G A = " " 33
C E G Bb = " " 34
C E G B = " " 16
C E Ab A = " " 11
C E Ab B = " " 28
C E A Bb = " " 4
C E Bb B = " " 17

C Eb Ab B = Same as ④
C Eb Bb B = " " 18
C Eb Bb B = " " 4

CF

C F Gb G = same as 5
C F Gb Ab = " " ④
C F Gb A = " " ⑩
C F G Ab = " " 15
C F G A = " " 19
C F G Bb = " " 18
C F Ab A = " " 27
C F Ab Bb = " " 9
C F A Bb = " " 28
C F A B = " " 12
C F Bb B = " " 29
C F Bb B = " " 21
C F Ab Bb = " " ⑤
C F A B = " " 22
C F Bb B = 5

CGb

C Gb G Ab = " " 4
C Gb G A = " " ⑨
C Gb G Bb = " " 9
C Gb G B = " " ⑭
C Gb Ab A = " " 13
C Gb Ab Bb = " " 26
C Gb A Bb = " " 23
C Gb A B = " " 6
C Gb Bb B = " " 34
C Gb Bb B = 6

CG

C G Ab A = " " 3
C G Ab Bb = " " ②
C G Ab B = " " 8
C G A Bb = " " 7
C G A B = " " 25
C G Bb B = 7

CAb

C Ab A Bb = " " 2
C Ab A B = " " ①
C Ab Bb B = " " 8

CA

C A Bb B = " " 1

Systematically Invertible (no doubles) 4-Note Chord Types
Final Recheck of Possibilities
Reminder Notes to Myself
($3^1/_2$ hrs – compared to 40-50 hrs the 1st time)
(I've done it too many times, I'm not doing it again!)
Ted Greene — Saturday, 5-18-1985

Total: As I had thought, it is 35 "regular" and 8 very dissonant types.
Total = 43, but the 8 will be marginal, so effectively, for now, it is 35.

Starting from C

C Db

More Dissonant ----------

	Notes			
(1)	C	Db	D	Eb
(2)	C	Db	D	E
(3)	C	Db	D	F
(4)	C	Db	D	Gb
(5)	C	Db	D	G
(6)	C	Db	D	Ab
(7)	C	Db	D	A
(8)	C	Db	D	Bb
(9)	~~C~~	~~Db~~	~~D~~	~~B~~

(5) Later

(9) = same as **(1)**

1. C Db Eb E   = C#m$^\Delta$9 no5
2. C Db Eb F   = Db$^\Delta$9 no5
3. C Db Eb Gb = Ab7/Db noR = Ebm7/6 no5 = Gb6#11 no3
4. C Db Eb G   = Eb7/6 no5
5. C Db Eb Ab = Eb7/6 sus4 no5 = Db$^\Delta$9 no3 = Bbm11 noR,5 = Ab add11
6. C Db Eb A   = F7b6 no R = Ab(7)b9 noR/Db = A^o add $\natural$3 = F#^{o}7 noR/&5
7. C Db Eb Bb = Eb7/6 no3
    ~~C Db Eb B~~   = same as **(2)** [dissonant group] above

8.   C Db E F   = Db$^\Delta$7#9 no5 = C[7]b9 no5/F
9.   C Db E Gb = Gb7#11 no3 = Ab7+ noR/Db
10. C Db E G   = Eb13b9 noR,5 = A7#9 noR
11. C Db E Ab = C#m$^\Delta$7
12. C Db E A   = Eb13b9#11 noR,3,5 = Am addC# (for ease of recognition)
13. C Db E Bb = C7b9 no5 = F#7#11 noR
     ~~C Db E B~~   = same as **(3)** [dissonant group] above

14. C Db F Gb = Ab7/6 noR,5/Db = Gb$^\Delta$7#11 no3 = Bbm9/13 noR,5
15. C Db F G   = Eb13 noR,5 = Bbm6/9 noR,5
16. C Db F Ab = Db$^\Delta$7
17. C Db F A   = Db$^\Delta$7+ = Bbm$^\Delta$9 noR = E13#11 noR,3,5
18. C Db F Bb = Db$^\Delta$7/6 no5 = Bbm/9
     ~~C Db F B~~   = same as **(4)** [dissonant group] above

19.	C	Db	Gb	G	= Eb13#9 noR,5 = A13#9 noR,5 = 2 tritones 1/2 step apart
20.	C	Db	Gb	Ab	= Ab7 no5/Db = Db$^\Delta$7 sus4
21.	C	Db	Gb	A	= Ab7b9 noR,5/Db
22.	C	Db	Gb	Bb	= Ab9 noR,5/Db (Ab9/11) = Gb add#11
	~~C~~	~~Db~~	~~Gb~~	~~B~~	= same as **(5)** [dissonant group] above

	~~C~~	~~Db~~	~~G~~	~~Ab~~	= same as #14 $^\Delta$7#11 no3
23.	C	Db	G	A	= A7#9 no5 = Eb7/6#11 noR,3,5
24.	C	Db	G	Bb	= Bbm6/9 no5 = Db$^\Delta$7/6#11 no3,5
	~~C~~	~~Db~~	~~G~~	~~B~~	= same as **(6)** [dissonant group] above

	~~C~~	~~Db~~	~~Ab~~	~~A~~	= same as #8 above
25.	C	Db	Ab	Bb	= Bbm9 no5 = Db$^\Delta$7/6 no3
	~~C~~	~~Db~~	~~Ab~~	~~B~~	= same as **(7)** [dissonant group] above

	~~C~~	~~Db~~	~~A~~	~~Bb~~	= same as #1 above
	~~C~~	~~Db~~	~~A~~	~~B~~	= same as **(8)** [dissonant group] above

	~~C~~	~~Db~~	~~Bb~~	~~B~~	= same as #1 **(9)** [dissonant group] above

C D

	~~C~~	~~D~~	~~Eb~~	~~E~~	= same as **(8)** [dissonant group] above
	~~C~~	~~D~~	~~Eb~~	~~F~~	= same as #7 above
	~~C~~	~~D~~	~~Eb~~	~~Gb~~	= same as #13 above
	~~C~~	~~D~~	~~Eb~~	~~G~~	= same as #18 above
	~~C~~	~~D~~	~~Eb~~	~~Ab~~	= same as #22 above
	~~C~~	~~D~~	~~Eb~~	~~A~~	= same as #24 above
	~~C~~	~~D~~	~~Eb~~	~~Bb~~	= same as #25 above
	~~C~~	~~D~~	~~Eb~~	~~B~~	= same as #1 above

	~~C~~	~~D~~	~~E~~	~~F~~	= same as #25 above
26.	C	D	E	Gb	= D9 no5
27.	C	D	E	G	= C/9
28.	C	D	E	Ab	= E7+
29.	C	D	E	A	= C6/9 no5 = D9 no3
	~~C~~	~~D~~	~~E~~	~~Bb~~	= same as #26 above
	~~C~~	~~D~~	~~E~~	~~B~~	= same as #2 above

	~~C~~	~~D~~	~~F~~	~~Gb~~	= same as #23
30.	C	D	F	G	= F6/9 no3 = Dm7/11 no5 = Bb6/9 noR = G7sus4
31.	C	D	F	Ab	= D$^{\o}$7 = Fm6 = Bb9 noR
32.	C	D	F	A	= Dm7 = F6
23.	~~C~~	~~D~~	~~F~~	~~Bb~~	= same as #27
	~~C~~	~~D~~	~~F~~	~~B~~	= same as #3

	~~C~~	~~D~~	~~Gb~~	~~G~~	= same as #20
33.	C	D	Gb	Ab	= D7b5 = Ab7b5
34.	C	D	Gb	A	= D7
	~~C~~	~~D~~	~~Gb~~	~~Bb~~	= same as #28
	~~C~~	~~D~~	~~Gb~~	~~B~~	= same as #4

C   D   G   Ab   = same as #15
C   D   G   A   = same as #30
C   D   G   Bb   = same as #29
C   D   G   B   = same as #5

C   D   Ab   A   = same as #9
C   D   Ab   Bb   = same as #26
C   D   Ab   B   = same as #6

C   D   A   Bb   = same as #2
C   D   A   B   = same as #7

C   D   Bb   B   = same as **(2)** [dissonant group]

C Eb

C   Eb   E   F   = same as **(7)** [dissonant group]
C   Eb   E   Gb   = same as #6
C   Eb   E   G   = same as #12
C   Eb   E   Ab   = same as #17
C   Eb   E   A   = same as #21
C   Eb   E   Bb   = same as #23
C   Eb   E   B   = same as #8

C   Eb   F   Gb   = same as #24
C   Eb   F   G   = same as #29
C   Eb   F   Ab   = same as #32
C   Eb   F   A   = same as #34
C   Eb   F   Bb   = same as #30
C   Eb   F   B   = same as #9

C   Eb   Gb   G   = same as #21
C   Eb   Gb   Ab   = same as #34
35.   C   Eb   Gb   A   = C°7
C   Eb   Gb   Bb   = same as #31
C   Eb   Gb   B   = same as #10

C   Eb   G   Ab   = same as #16
C   Eb   G   A   = same as #31
C   Eb   G   Bb   = same as #32
C   Eb   G   B   = same as #11

C   Eb   Ab   A   = same as #10
C   Eb   Ab   Bb   = same as #27
C   Eb   Ab   B   = same as #12

C   Eb   A   Bb   = same as #3
C   Eb   A   B   = same as #13

C   Eb   Bb   B   = same as **(3)** [dissonant group]

C E

C E F Gb	= same as **(6)** [dissonant group]
C E F G	= same as #5
C E F Ab	= same as #11
C E F A	= same as #16
C E F Bb	= same as #20
C E F B	= same as #14

C E Gb G	= same as #22
C E Gb Ab	= same as #28
C E Gb A	= same as #31
C E Gb Bb	= same as #33
C E Gb B	= same as #15

C E G Ab	= same as #17
C E G A	= same as #32
C E G Bb	= same as #34
C E G B	= same as #16

C E Ab A	= same as #11
C E Ab Bb	= same as #28
C E Ab B	= same as #17

C E A Bb	= same as #4
C E A B	= same as #18

C E Bb B	= same as **(4)** [dissonant group]

C F

C F Gb G	= same as **(5)** [dissonant group]
C F Gb Ab	= same as #4
C F Gb A	= same as #10
C F Gb Bb	= same as #15
C F Gb B	= same as #19

C F G Ab	= same as #18
C F G A	= same as #27
C F G Bb	= same as #30
C F G B	= same as #20

C F Ab A	= same as #12
C F Ab Bb	= same as #29
C F Ab B	= same as #21

C F A Bb	= same as #5
C F A B	= same as #22

C F Bb B	= same as **(5)** [dissonant group]

C Gb

C Gb G Ab	= same as **(4)** [dissonant group]
C Gb G A	= same as #3
C Gb G Bb	= same as #9
C Gb G B	= same as #14
C Gb Ab A	= same as #13
C Gb Ab Bb	= same as #26
C Gb Ab B	= same as #23
C Gb A Bb	= same as #6
C Gb A B	= same as #24
C Gb Bb B	= same as **(6)** [dissonant group]

C G

C G Ab A	= same as **(3)** [dissonant group]
C G Ab Bb	= same as #2
C G Ab B	= same as #8
C G A Bb	= same as #7
C G A B	= same as #25
C G Bb B	= same as **(7)** [dissonant group]

C Ab

C Ab A Bb	= same as **(2)** [dissonant group]
C Ab A B	= same as #1
C Ab Bb B	= same as **(8)** [dissonant group]

C A

C A Bb B	= same as **(1)** [dissonant group]