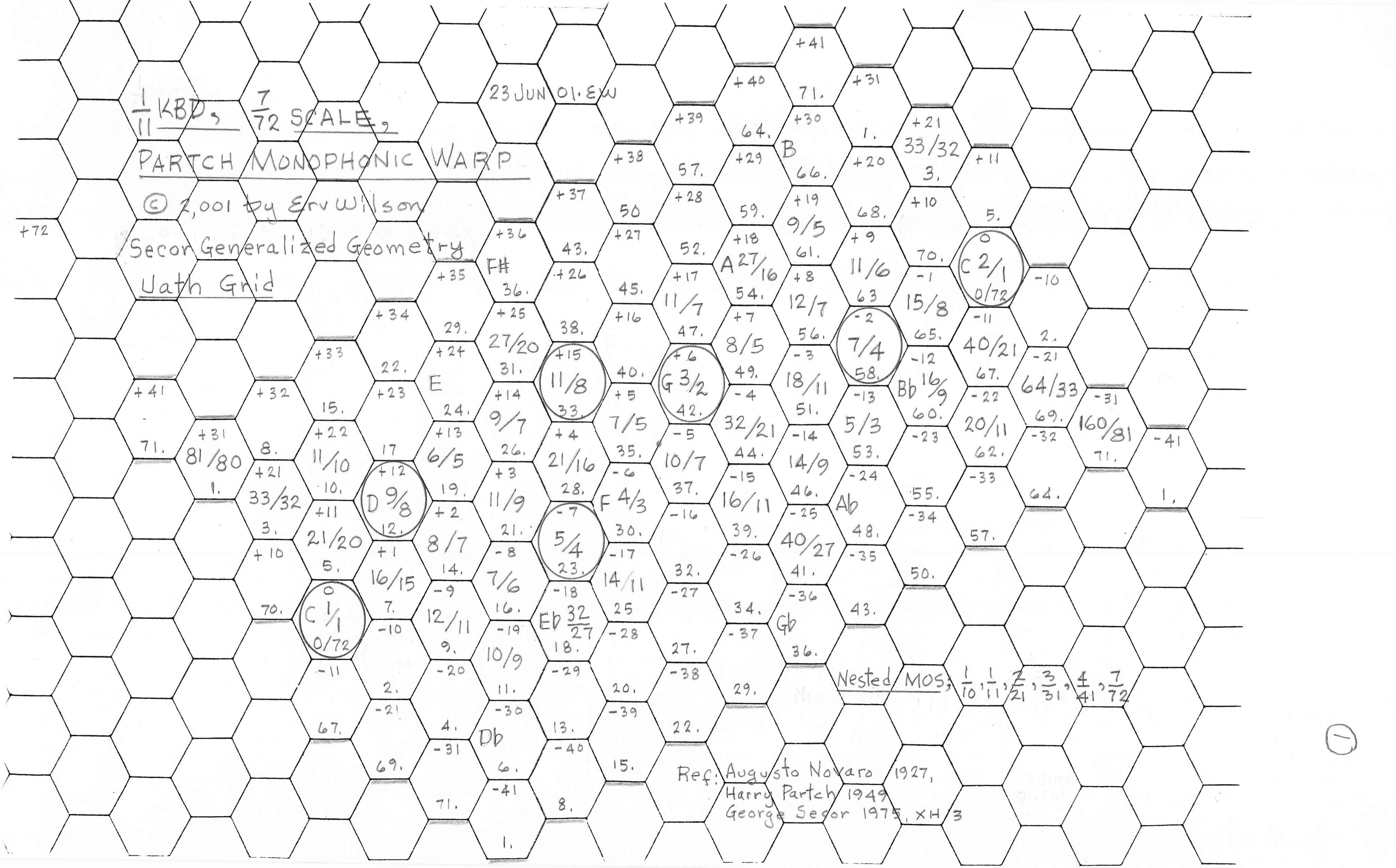
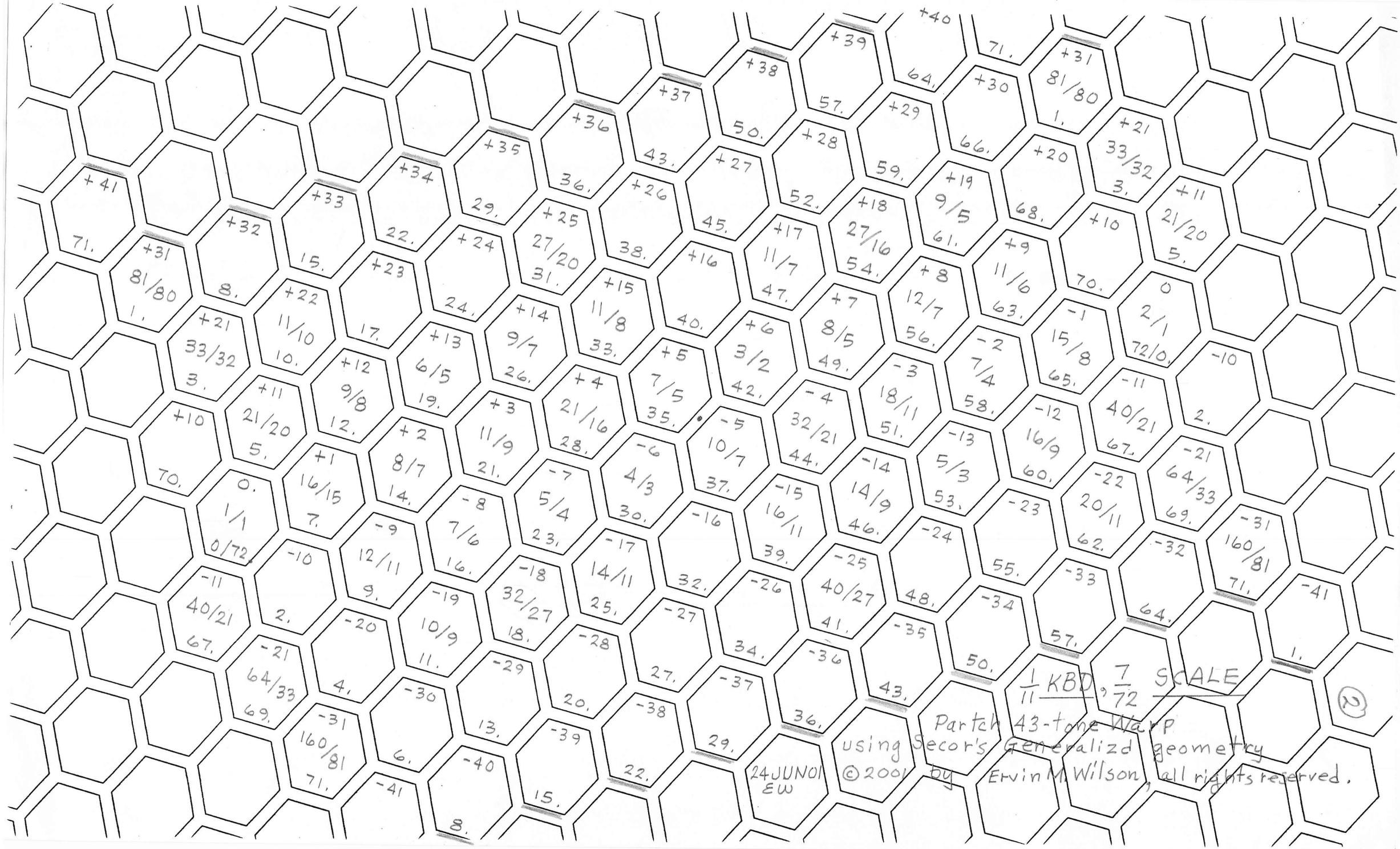


23 JUN 01. EW
1/11 KBD, 7/72 SCALE,
PARTCH MONOPHONIC WARP
© 2,001 by Erv Wilson
Secor Generalized Geometry
Uath Grid
Nested MOS; 1/10, 1/11, 2/21, 3/31, 4/41, 7/72
Ref: Augusto Novaro 1927,
Harry Partch 1949
George Secor 1975, XH 3


+41 71.
+31 81/80 1.
+32 8.
+33 15.
+34 22.
+35 29.
+36 36.
+37 43.
+38 50.
+39 57.
+40 64.
71.
+31 81/80 1.
+30 66.
+29 59.
+28 52.
+27 45.
+26 38.
+25 27/20 31.
+24 24.
+23 17.
+22 11/10 10.
+21 33/32 3.
+10 70.
+11 21/20 5.
+12 9/8 12.
+13 6/5 19.
+14 9/7 26.
+15 11/8 33.
+16 40.
+17 11/7 47.
+18 27/16 54.
+19 9/5 61.
+20 68.
+21 33/32 3.
+11 21/20 5.
0. 1/1 0/72.
+1 16/15 7.
+2 8/7 14.
+3 11/9 21.
+4 21/16 28.
+5 7/5 35.
+6 3/2 42.
+7 8/5 49.
+8 12/7 56.
+9 11/6 63.
+10 70.
0 2/1 72/0.
-10 2.
-11 40/21 67.
-1 15/8 65.
-2 7/4 58.
-3 18/11 51.
-4 32/21 44.
-5 10/7 37.
-6 4/3 30.
-7 5/4 23.
-8 7/6 16.
-9 12/11 9.
-10 2.
-11 40/21 67.
-12 16/9 60.
-13 5/3 53.
-14 14/9 46.
-15 16/11 39.
-16 32.
-17 14/11 25.
-18 32/27 18.
-19 10/9 11.
-20 4.
-21 64/33 69.
-21 64/33 69.
-22 20/11 62.
-23 55.
-24 48.
-25 40/27 41.
-26 34.
-27 27.
-28 20.
-29 13.
-30 6.
-31 160/81 71.
-32 64.
-33 57.
-34 50.
-35 43.
-36 36.
-37 29.
-38 22.
-39 15.
-40 8.
-41 1.
-41
1/11 KBD, 7/72 SCALE
Partch 43-tone WarP
using Secor's Generalizd geometry
24JUN01 EW
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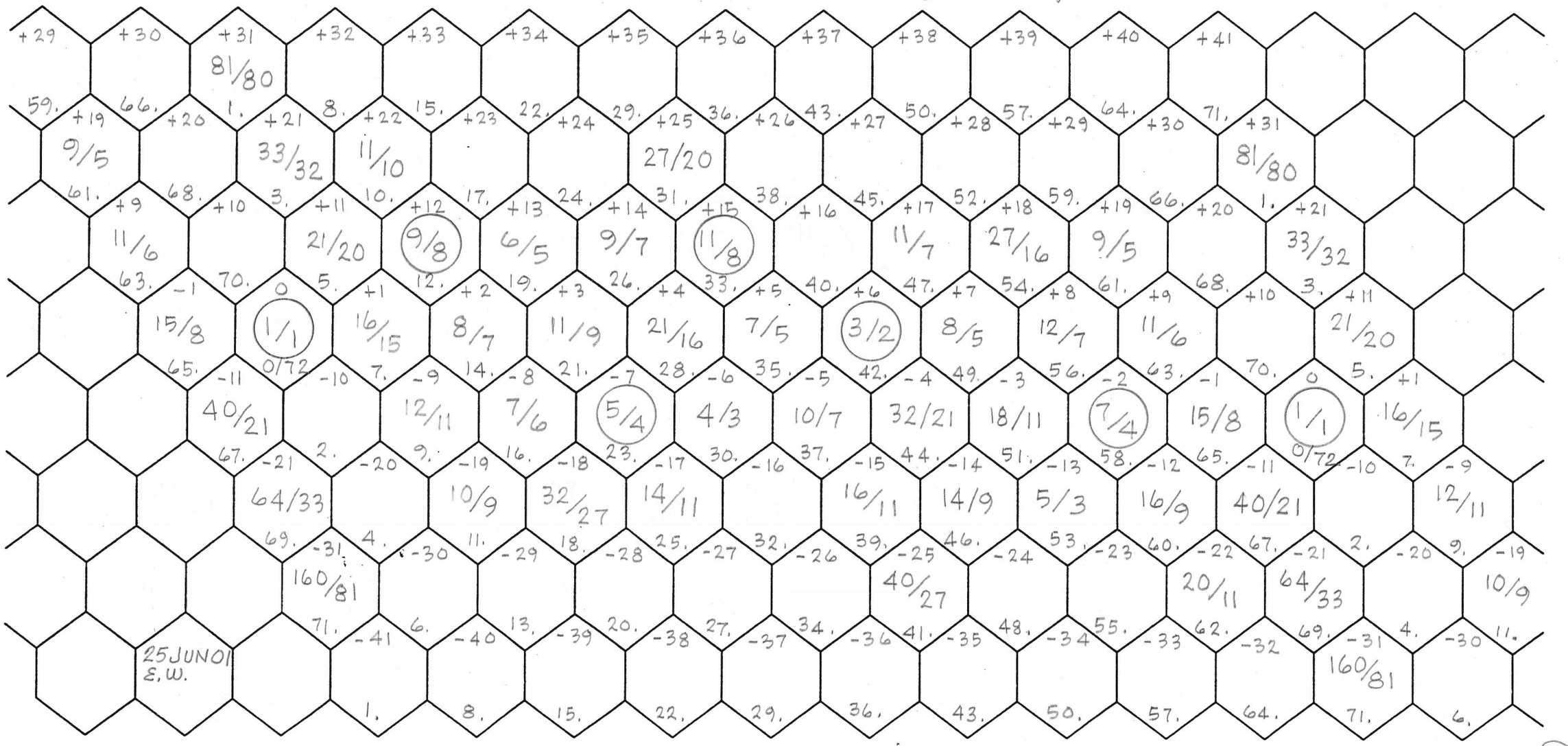
(2)

REF; SISTEMA NATURAL base del NATURAL APROXIMADO, por Augusto Novaro, 1927
GENESIS OF A MUSIC, Harry Partch, 1949
A NEW LOOK AT THE PARTCH MONOPHONIC FABRIC, George Secor, XH3 1975



PARTCH MONOPHONIC WARP, in a 72-tone Scale — (Nested MOS of ... $\frac{1}{10}, \frac{1}{11}, \frac{2}{21}, \frac{3}{31}, \frac{4}{41}, \frac{7}{72}$)
shown with Secor Generalized Geometry, on a Janko grid.

(3.)

$2^{(\frac{7}{72})} = 1.069711845811\ldots$

$\rightarrow \text{Log}_2\ .097222222222\ldots$

a/b	c/d	e/f	c/d dec.	Root 0x,0y	Generator ax,ey	Octave bx,fy
0/1	1/1	1/0	1.000000 ←	0x,0y	0x,1y	1x,0y
0/1	1/2	1/1	.500000 ←	0x,0y	0x,1y	1x,1y
0/1	1/3	1/2	.333333 ←	0x,0y	0x,1y	1x,2y
0/1	1/4	1/3	.250000 ←	0x,0y	0x,1y	1x,3y
0/1	1/5	1/4	.200000 ←	0x,0y	0x,1y	1x,4y
0/1	1/6	1/5	.166667 ←	0x,0y	0x,1y	1x,5y
0/1	1/7	1/6	.142857 ←	0x,0y	0x,1y	1x,6y
0/1	1/8	1/7	.125000 ←	0x,0y	0x,1y	1x,7y
0/1	1/9	1/8	.111111 ←	0x,0y	0x,1y	1x,8y
0/1	1/10	1/9	.100000 ←	0x,0y	0x,1y	1x,9y
0/1	1/11	1/10	.090909 →	0x,0y	0x,1y	1x,10y
1/11	2/21	1/10	.095238 →	0x,0y	1x,1y	11x,10y
2/21	3/31	1/10	.096774 →	0x,0y	2x,1y	21x,10y
3/31	4/41	1/10	.097561 ←	0x,0y	3x,1y	31x,10y
3/31	7/72	4/41	.097222	0x,0y	3x,4y	31x,41y

Ref; A New Look at the Partch Monophonic Fabric, George Secor 1975, XH3

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$2^{(65/72)}$ 1.869662384 16 ...

Log_2 .902777778 ...

a/b	c/d	e/f	c/d dec.	Root	Generator	Octave
				0x, 0y	ax, ey	bx, fy
0/1	1/1	1/0	1.00000 ←	0x, 0y	0x, 1y	1x, 0y
0/1	1/2	1/1	.500000 →	0x, 0y	0x, 1y	1x, 1y
1/2	2/3	1/1	.666667 →	0x, 0y	1x, 1y	2x, 1y
2/3	3/4	1/1	.750000 →	0x, 0y	2x, 1y	3x, 1y
3/4	4/5	1/1	.800000 →	0x, 0y	3x, 1y	4x, 1y
4/5	5/6	1/1	.833333 →	0x, 0y	4x, 1y	5x, 1y
5/6	6/7	1/1	.857143 →	0x, 0y	5x, 1y	6x, 1y
6/7	7/8	1/1	.875000 →	0x, 0y	6x, 1y	7x, 1y
7/8	8/9	1/1	.888889 →	0x, 0y	7x, 1y	8x, 1y
8/9	9/10	1/1	.900000 →	0x, 0y	8x, 1y	9x, 1y
9/10	10/11	1/1	.909091 ←	0x, 0y	9x, 1y	10x, 1y
9/10	19/21	10/11	.904762 ←	0x, 0y	9x, 10y	10x, 11y
9/10	28/31	19/21	.903226 ←	0x, 0y	9x, 19y	10x, 21y
9/10	37/41	28/31	.902439 →	0x, 0y	9x, 28y	10x, 31y
37/41	65/72	28/31	.902778	0x, 0y	37x, 28y	41x, 31y

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