SmS Scales

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Theory: **SmS Scales (Mirror Symmetric Scales)**

This idea comes for me from a conversation with composer Wim de Ruiter. He was working with mirror symmetric scales upto a minor third interval (In analogy with our mirror symmetric hands) I have extended this idea upto the piano range and called these scales **SmS**. I defined the **SmS scales** as follows: **S** (a series of positive intervals) - **m** (one positive interval or nothing) - **S** the mirror symmetric counterpart of the first S. (S-S is also a possible outcome).

SmS Scales can have different modes (sum of all intervals).

Mode 12 is an octave scale in a chromatic 12 tone per octave setup.

SmS Scales have no note repetition. So 2 upto 12 notes Scales. With my VnV_Scale program you can also find all SmS scales. There are only 10 seven tone octave (mode 12) SmS scales:

1,1,1-6-1,1,1   (7) mode 12 = *(also a VnV scale)*
1,1,2-4-2,1,1   (7) mode 12
1,1,3-2-3,1,1   (7) mode 12
1,2,1-4-1,2,1   (7) mode 12 = *(also a VnV scale)*
1,2,2-2-2,2,1   (7) mode 12
1,3,1-2-1,3,1   (7) mode 12 = *(also a VnV scale)*
2,1,1-4-1,1,2   (7) mode 12
2,1,2-2-2,1,2   (7) mode 12 = Dorian Scale *(also a VnV scale)*
2,2,1-2-1,2,2   (7) mode 12
3,1,1-2-1,1,3   (7) mode 12

The 10 Seven Tone Octave SmS Scales