

# seeds and ledgers : string quartet #1

michael winter  
(berlin & mexico city; 2023)

First system of musical notation for string quartet #1, measures 1-8. The system includes staves I (Violin I), II (Violin II), III (Viola), and IV (Cello). Fingerings and bowings are indicated by numbers and arrows above or below the notes. Interval numbers (e.g., IV 3↑, I 1↑) are written below the staves.

Second system of musical notation for string quartet #1, measures 9-16. The system includes staves I (Violin I), II (Violin II), III (Viola), and IV (Cello). Fingerings and bowings are indicated by numbers and arrows above or below the notes. Interval numbers (e.g., IV 1↑, IV 5↑, I 1↑) are written below the staves.

Third system of musical notation for string quartet #1, measures 17-24. The system includes staves I (Violin I), II (Violin II), III (Viola), and IV (Cello). Fingerings and bowings are indicated by numbers and arrows above or below the notes. Interval numbers (e.g., IV 3↑, IV 5↑, III 1↑) are written below the staves.

22

Staff I: -38, -36, +50, -38, -36, -21, +26, -23. Chords: III 1<sup>↑</sup>, 0<sup>↓</sup>, IV 5<sup>↑</sup>, IV 3<sup>↓</sup>, 0<sup>↓</sup>, 0<sup>↓</sup>, IV 11<sup>↓</sup>, II 1<sup>↑</sup>.

Staff II: -23, -38, -34, -36, -34, -23, -23. Chords: IV 5<sup>↓</sup>, IV 1<sup>↑</sup>, 0<sup>↓</sup>, IV 1<sup>↑</sup>, 0<sup>↓</sup>, III 5<sup>↓</sup>, 0<sup>↓</sup>.

Staff III: -38, -34, +32, -36, -36, -21, -21, -36, +46, -34. Chords: IV 3<sup>↓</sup>, IV 3<sup>↑</sup>, IV 7<sup>↑</sup>, IV 1<sup>↑</sup>, IV 3<sup>↓</sup>, 0<sup>↓</sup>, 0<sup>↓</sup>, IV 3<sup>↓</sup>, II 7<sup>↑</sup>, IV 5<sup>↑</sup>.

Staff IV: -38, -36, -34, -34, -23, -21. Chords: III 1<sup>↑</sup>, I 1<sup>↑</sup>, II 1<sup>↑</sup>, 0<sup>↓</sup>, II 1<sup>↑</sup>, II 3<sup>↑</sup>.

29

Staff I: -36, -33, -21, -21, -34, -21, -19, -36, -33, +10, -23. Chords: 0<sup>↓</sup>, IV 3<sup>↑</sup>, IV 5<sup>↓</sup>, 0<sup>↓</sup>, II 1<sup>↑</sup>, IV 3<sup>↑</sup>, IV 3<sup>↑</sup>, II 3<sup>↓</sup>, III 7<sup>↓</sup>, III 3<sup>↓</sup>, IV 5<sup>↑</sup>.

Staff II: -34, -34, -33, -9. Chords: I 3<sup>↑</sup>, 0<sup>↓</sup>, IV 5<sup>↑</sup>, I 5<sup>↓</sup>.

Staff III: +50, -19, -33, -33, -23, -21, +46. Chords: I 5<sup>↑</sup>, I 5<sup>↓</sup>, I 1<sup>↑</sup>, 0<sup>↓</sup>, I 3<sup>↓</sup>, IV 1<sup>↑</sup>, I 7<sup>↑</sup>.

Staff IV: -38, -34, -21, -19, +34, -23, -21, -19, -25. Chords: I 3<sup>↓</sup>, II 1<sup>↑</sup>, I 1<sup>↑</sup>, III 5<sup>↓</sup>, 0<sup>↓</sup>, III 1<sup>↑</sup>, I 1<sup>↑</sup>, I 1<sup>↑</sup>, I 3<sup>↓</sup>.

36

Staff I: -25, -50, -21, -34, -46, -11, -11, -31, +3. Chords: 0<sup>↓</sup>, II 13<sup>↓</sup>, IV 1<sup>↑</sup>, IV 1<sup>↑</sup>, III 3<sup>↑</sup>, IV 7<sup>↑</sup>, 0<sup>↓</sup>, IV 11<sup>↓</sup>, III 7<sup>↓</sup>.

Staff II: -9, -34, -8, -15, -20, -9, -9, +19, -28. Chords: 0<sup>↓</sup>, IV 5<sup>↑</sup>, III 13<sup>↑</sup>, I 7<sup>↓</sup>, IV 13<sup>↓</sup>, I 3<sup>↑</sup>, 0<sup>↓</sup>, IV 3<sup>↓</sup>, III 1<sup>↑</sup>.

Staff III: +46, -23, -23, -48, +34, +7, +7, -28. Chords: 0<sup>↓</sup>, IV 3<sup>↑</sup>, IV 3<sup>↓</sup>, II 5<sup>↑</sup>, IV 5<sup>↓</sup>, IV 5<sup>↑</sup>, 0<sup>↓</sup>, IV 11<sup>↑</sup>.

Staff IV: -25, -23, -21, -34, -33, +21, +21, +41. Chords: 0<sup>↓</sup>, III 1<sup>↑</sup>, III 3<sup>↑</sup>, II 1<sup>↑</sup>, II 3<sup>↑</sup>, III 7<sup>↑</sup>, 0<sup>↓</sup>, III 7<sup>↑</sup>.

43

Staff I: Notes with accidentals and fingerings. Fingerings: IV 5<sup>↑</sup>, 0<sup>↓</sup>, III 11<sup>↑</sup>, III 1<sup>↑</sup>, II 7<sup>↑</sup>, III 13<sup>↓</sup>.

Staff II: Notes with accidentals and fingerings. Fingerings: I 3<sup>↓</sup>, III 7<sup>↓</sup>, III 13<sup>↓</sup>, I 7<sup>↑</sup>, IV 5<sup>↓</sup>, 0<sup>↓</sup>, IV 13<sup>↑</sup>, III 13<sup>↓</sup>, IV 3<sup>↓</sup>, III 7<sup>↑</sup>.

Staff III: Notes with accidentals and fingerings. Fingerings: I 1<sup>↑</sup>, I 7<sup>↓</sup>, II 13<sup>↓</sup>, II 3<sup>↓</sup>, II 13<sup>↓</sup>.

Staff IV: Notes with accidentals and fingerings. Fingerings: I 5<sup>↓</sup>, III 13<sup>↑</sup>, II 11<sup>↓</sup>, II 1<sup>↑</sup>, 0<sup>↓</sup>, II 5<sup>↑</sup>, I 7<sup>↑</sup>, III 3<sup>↑</sup>, I 5<sup>↑</sup>.

50

Staff I: Notes with accidentals and fingerings. Fingerings: 0<sup>↓</sup>, III 11<sup>↓</sup>, II 11<sup>↓</sup>, III 3<sup>↑</sup>, II 13<sup>↑</sup>, IV 1<sup>↑</sup>.

Staff II: Notes with accidentals and fingerings. Fingerings: I 13<sup>↑</sup>, 0<sup>↓</sup>, I 13<sup>↑</sup>, 0<sup>↓</sup>, IV 3<sup>↓</sup>.

Staff III: Notes with accidentals and fingerings. Fingerings: II 11<sup>↓</sup>, I 7<sup>↓</sup>, 0<sup>↓</sup>, II 11<sup>↓</sup>, II 11<sup>↓</sup>, I 13<sup>↓</sup>, II 13<sup>↑</sup>, II 1<sup>↑</sup>, I 1<sup>↑</sup>, II 5<sup>↓</sup>, 0<sup>↓</sup>.

Staff IV: Notes with accidentals and fingerings. Fingerings: II 3<sup>↓</sup>, I 1<sup>↑</sup>, 0<sup>↓</sup>, II 13<sup>↑</sup>, II 5<sup>↓</sup>, I 3<sup>↓</sup>, I 3<sup>↑</sup>, II 7<sup>↓</sup>, III 3<sup>↓</sup>, II 7<sup>↓</sup>, 0<sup>↓</sup>.

57

Staff I: Notes with accidentals and fingerings. Fingerings: IV 3<sup>↑</sup>, IV 3<sup>↓</sup>, II 7<sup>↓</sup>, III 7<sup>↓</sup>, IV 7<sup>↑</sup>, IV 7<sup>↑</sup>, III 7<sup>↑</sup>, 0<sup>↓</sup>, III 3<sup>↓</sup>, III 3<sup>↑</sup>, II 5<sup>↓</sup>.

Staff II: Notes with accidentals and fingerings. Fingerings: IV 3<sup>↑</sup>, IV 5<sup>↑</sup>, I 1<sup>↑</sup>, III 3<sup>↓</sup>, III 3<sup>↑</sup>, IV 13<sup>↑</sup>, I 1<sup>↑</sup>, 0<sup>↓</sup>.

Staff III: Notes with accidentals and fingerings. Fingerings: II 1<sup>↑</sup>, IV 5<sup>↓</sup>, II 5<sup>↓</sup>, IV 3<sup>↑</sup>, 0<sup>↓</sup>, IV 1<sup>↑</sup>.

Staff IV: Notes with accidentals and fingerings. Fingerings: II 11<sup>↑</sup>, III 5<sup>↑</sup>, III 11<sup>↑</sup>, 0<sup>↓</sup>, III 3<sup>↑</sup>, III 7<sup>↓</sup>.

64

Measure 64: I (IV 3↑), II (III 3↓), III (I 3↑), IV (III 1↑, II 1↑).  
 Measure 65: I (-30), II (-36), III (-32), IV (-32).  
 Measure 66: I (+1), II (+48), III (-50), IV (-48).  
 Measure 67: I (-30), II (-36), III (-1), IV (-32).  
 Measure 68: I (-44), II (-30), III (-16), IV (-30).  
 Measure 69: I (-24), II (+1), III (+3), IV (-11).  
 Measure 70: I (-11), II (-13), III (-3), IV (+28).  
 Measure 71: I (III 1↑), II (III 3↑), III (II 3↑), IV (-13).

71

Measure 71: I (IV 7↓), II (III 7↑), III (II 1↑), IV (III 3↑).  
 Measure 72: I (-11), II (-42), III (+21), IV (-9).  
 Measure 73: I (-11), II (+38), III (-31), IV (+22).  
 Measure 74: I (+24), II (+38), III (-24), IV (+21).  
 Measure 75: I (+7), II (-35), III (-48), IV (-31).  
 Measure 76: I (-46), II (+36), III (-3), IV (-48).  
 Measure 77: I (-17), II (+42), III (+3), IV (+34).  
 Measure 78: I (+1), II (-30), III (-48), IV (+32).

78

Measure 78: I (+50), II (-35), III (+50), IV (+3).  
 Measure 79: I (-48), II (+28), III (+0), IV (-48).  
 Measure 80: I (+17), II (+3), III (-37), IV (+15).  
 Measure 81: I (-37), II (+32), III (-19), IV (+32).  
 Measure 82: I (+34), II (-5), III (+32), IV (-37).  
 Measure 83: I (+32), II (-35), III (+32), IV (+12).  
 Measure 84: I (III 3↑), II (I 3↑), III (I 7↑), IV (-37).  
 Measure 85: I (III 1↑), II (I 1↑), III (I 7↑), IV (+12).  
 Measure 86: I (III 3↑), II (I 3↑), III (I 7↑), IV (+46).  
 Measure 87: I (III 1↑), II (I 3↑), III (I 7↑), IV (+14).  
 Measure 88: I (III 3↑), II (I 3↑), III (I 7↑), IV (+30).  
 Measure 89: I (III 1↑), II (I 3↑), III (I 7↑), IV (+1).

85

I: +50 +50 +1 +3 +36 -15  
 II: -48 +3 +5 -48 +5 +34  
 III: +50 +50 +1 -28 +5 +1 +36 +34 -17  
 IV: +1 +3 +1 +17 +34 +32 +36 -35 +36 -15  
 Roman numerals and arrows: IV 11↓, 0↓, IV 1↑, IV 1↑, III 1↑, IV 11↓, 0↓, IV 1↑, IV 3↑, III 11↑, IV 3↑, I 7↓, I 1↑, 0↓, IV 1↑, IV 7↑, II 1↑, IV 1↑, IV 3↑, II 1↑, II 11↓, +1, +3, +1, +17, +34, +32, +36, -35, +36, -15, 0↓, III 3↑, I 3↓, I 5↓, II 1↑, II 3↓, III 1↑, III 7↓, I 1↑, I 1↑

92

I: -27 +2 -29 +4  
 II: -17 -31 -29 -29 -31 +16 -42 -29  
 III: -13 -29 -29 +0 -15 +2  
 IV: -17 -15 -15 -15 +2 +0  
 Roman numerals and arrows: III 3↑, III 7↓, IV 5↑, IV 3↑, IV 5↑, III 1↑, IV 5↑, III 7↑, IV 7↓, I 5↑, I 1↑, IV 3↑, IV 5↑, IV 5↑, I 3↓, IV 1↑, II 5↑, II 1↑, III 5↓, III 5↓, III 1↑, III 1↑, III 3↓

98

I: +0 -13 +28 -5 +24 +28  
 II: -29 +2 -49 +14 +41 +30 +14 +26  
 III: +2 +0 -41 -13 +12 +14 -23 -43  
 IV: +0 +4 +0 +0 +28 -41 +12 +28  
 Roman numerals and arrows: 0↓, IV 5↑, II 5↓, II 7↑, II 3↓, IV 1↑, 0↓, III 1↑, III 11↓, IV 5↓, IV 13↑, IV 3↑, I 5↑, IV 5↓, 0↓, IV 1↑, IV 7↓, I 13↓, IV 1↑, IV 3↑, II 11↑, II 7↓, 0↓, III 3↑, I 1↑, 0↓, I 1↑, III 1↑, II 3↓, II 3↑