

a dose of serotonin & number theory (for the relatively caffeinated)

**scored for; Tenor Sax, Flugelhorn, Bass Clarinet,
Violin, Viola, Vibraphone, & Piano**

Duration: 10'20"

Nik Bizzell-Browning - 2018

"adhere to tempi (find the grooves) & be spectacular"

***Perform with visceral & tactile intent;
with Dada etiquette, let audition become a tangible interface***

"Content derives its reality from its structure, and what is called form is the "structuring" of local structures, which are called content" ¹

In mathematics, the Langlands program is a broad group of conjectures regarding connections between number theory and geometry, considered by many to be a Grand Unified Theory of mathematics (nb; See... Love and Math: The Heart of Hidden Reality by Edward Frenkel (<http://www.librarything.com/work/14301676>, <http://www.edwardfrenkel.com/lovemath/>). If everything is of a differential geometric construct, and everything vibrates, then auditory intervals (defined numerically) are a logical place to search for a syntax that might define everything.

Structuralism (in this instance) is not about the pitches themselves, it's what lies behind, or between, an emergent pitched pattern derived from recurring patterns within an infinite numerical concept; a method rather than a content that contains "wholeness", "transformation", and "self-regulation". "Only in coming to grips with the aesthetic apparatus and the categories that determine it, can self-knowledge and musical expression come about. Only then can the experience of freedom be artistically communicated as reality (with its distinguishing contradictions) and become conscious." ²

"All music should be an invitation to rethink music. And that comes along with a certain existential confusion... art should be understood, and enjoyed, as a world that hasn't been infected by commercialism... "When that happens, listening becomes thinking... and where there's thought, there's resistance... Composers can't be afraid to use the term art... and to come as close to a definition as they can." ³

Quadratic reciprocity:

A residue: $1 = 1^2 \bmod 17$, A residue: $2 = 6^2 \bmod 17$, A residue: $4 = 2^2 \bmod 17$, A residue: $8 = 5^2 \bmod 17$, A residue: $16 = 4^2 \bmod 17$,
A residue: $32 = 7^2 \bmod 17$, A residue: $64 = 8^2 \bmod 17$, A residue: $128 = 3^2 \bmod 17$ *, A residue: $256 = 1^2 \bmod 17$, A residue: $512 = 6^2 \bmod 17$,
A residue: $1024 = 2^2 \bmod 17$, A residue: $2048 = 5^2 \bmod 17$, A residue: $4096 = 4^2 \bmod 17$, A residue: $8192 = 7^2 \bmod 17$,
A residue: $16384 = 8^2 \bmod 17$, A residue: $32768 = 3^2 \bmod 17$...

1, 6, 2, 5, 4, 7, 8, 3 = an infinite integer sequence

When mapped onto dodecaphonic PC's (with OE from c = 0): 1, 6, 2, 5, 4, 7, 8, 3 becomes +1 = C#, +6 = G, +2 = A, +5 = D, +4 = F#, +7 = C#, +8 = A, +3 = C
PC set = C#, D, F# G, A, C, and the set

IC1 set = 0,1,4,1,2,3 .

IC2 (doubled from C#) = **0,2,8,2,4,6** = PC set - C#, Eb, B, C#, F, B = C#, Eb, F#, B (with OE)

IC3 (doubled from C#) = **0,4,16,4,8,12** = PC set - F, A, F, F, A, C# = C#, F, A (with OE).

Outagrophic (of all sets) = E, G#, Bb

1/ Claude Levi-Strauss in Boulez, P. Orientations, Harvard University Press, Cambridge, Massachusetts, 1985, trans. by Martin Cooper, pg.90.

2/ Helmut Lachenmann's theory of 'Dialectical Structuralism' (PAGE 113) (http://etheses.dur.ac.uk/4059/1/4059_1576.pdf)

3/ An Interview with Helmut Lachenmann Translated from the German by Jeffrey Arlo Brown • Date 09/29/2016 (<https://van-us.atavist.com/lachenmann>)

A ♩ = 116

Tenor Saxophone (IC SET 1) *f* *mf* *mf* *mp* (IC SET 2)

Flugelhorn *mf* *mp* (IC SET 2)

Bass Clarinet *mf* *mp* (IC SET 2)

Violin *mf* *mf* *g/les.*

Viola *mf* *mf* *g/les.*

Vibraphone

Piano (IC SET 1) *f* *mf*

7

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

mf *mp* *f* *f* *mf*

(Outagrophic set)

(IC SET 1)

(IC SET 2)

mf *f* *f* *mf*

6 6 6 6

Red. 6

23

T. Sax. *f*
 Flghn. *f*
 B. Cl. *f* *mf* *f*
 Vln. *mf* *f* *f*
 Vla. *mf* *f* *f*
 Vib.
 Pno. *mf* *f*
 (Ped.)

26

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

mf

f

mf

f

mf

f

ff

f

mf

f

T. Sax. *mf*
 Flghn. *f* *mf*
 B. Cl. *f* *mf*
 Vln. *f* *mf*
 Vla. *f* *mf*
 Vib. *f* *mf* *f*
 Pno. *f* *f* *mf*

34

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 34-36 is as follows:

- Measure 34:** T. Sax. and Flghn. enter with a triplet of eighth notes (F#, A, C) marked *f*, followed by a triplet of eighth notes (B, A, G) marked *mf*. B. Cl. has a similar pattern. Vln. and Vla. play a triplet of eighth notes (F#, A, C) marked *f*, followed by a triplet of eighth notes (B, A, G) marked *mf*. Vib. plays a triplet of eighth notes (F#, A, C) marked *mf*, followed by a triplet of eighth notes (B, A, G) marked *f*, and then a triplet of eighth notes (F#, A, C) marked *mf*. Pno. has a triplet of eighth notes (F#, A, C) marked *mf* in the bass and a triplet of eighth notes (B, A, G) marked *f* in the treble.
- Measure 35:** T. Sax. and Flghn. continue with a triplet of eighth notes (F#, A, C) marked *f*, followed by a triplet of eighth notes (B, A, G) marked *mf*. B. Cl. has a similar pattern. Vln. and Vla. play a triplet of eighth notes (F#, A, C) marked *f*, followed by a triplet of eighth notes (B, A, G) marked *mf*. Vib. plays a triplet of eighth notes (F#, A, C) marked *mf*, followed by a triplet of eighth notes (B, A, G) marked *f*, and then a triplet of eighth notes (F#, A, C) marked *mf*. Pno. has a triplet of eighth notes (F#, A, C) marked *mf* in the bass and a triplet of eighth notes (B, A, G) marked *f* in the treble.
- Measure 36:** T. Sax. and Flghn. continue with a triplet of eighth notes (F#, A, C) marked *f*, followed by a triplet of eighth notes (B, A, G) marked *mf*. B. Cl. has a similar pattern. Vln. and Vla. play a triplet of eighth notes (F#, A, C) marked *f*, followed by a triplet of eighth notes (B, A, G) marked *mf*. Vib. plays a triplet of eighth notes (F#, A, C) marked *mf*, followed by a triplet of eighth notes (B, A, G) marked *f*, and then a triplet of eighth notes (F#, A, C) marked *mf*. Pno. has a triplet of eighth notes (F#, A, C) marked *mf* in the bass and a triplet of eighth notes (B, A, G) marked *f* in the treble.

37

T. Sax. *f* *mp* *mf* *mp*

Flghn. *f* *mf* *mp*

B. Cl. *f* *mp*

Vln. *f* *mf* *mp*

Vla. *f* *mf* *mp*

Vib. (IC SET 2) *f* *mf* *f* *mf*

Pno. *mf* *f* *mf*

50

T. Sax. (IC SET 2) (IC SET 1)

Flghn.

B. Cl.

Vln. arco

Vla. 3

Vib.

Pno. *(Red.)*

p *f* *mf* *f* *mf*

mp *f* *mf* *f* *mf*

mp *f* *mf* *f* *mf*

p *p* *mf*

p *p* *mf*

ff

f *mf* *mf* *f*

f *mf*

g/iss

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 58-61 features the following details:

- Measures 58-61:** The woodwind section (T. Sax., Flghn., B. Cl.) plays a rhythmic pattern of eighth and sixteenth notes. The strings (Vln., Vla.) play a sustained harmonic. The vibraphone (Vib.) plays a melodic line with a final sharp sign. The piano (Pno.) provides a complex accompaniment with chords and moving lines in both hands.
- Dynamics:** *f* (forte) is marked in measures 59 and 60 for the woodwinds. *mf* (mezzo-forte) is marked in measure 61 for the woodwinds.
- Articulation:** Accents are present on several notes in the woodwinds. A glissando (*gliss.*) is marked on the Viola in measure 59.
- Fingerings:** The number '6' is indicated for the left hand of the piano in measures 60 and 61.

T. Sax.
 Flghn.
 B. Cl.
 Vln.
 Vla.
 Vib.
 Pno.

Musical score for measures 63-67. The score includes parts for T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. Measures 63-65 show woodwinds and strings playing eighth-note patterns. Measures 66-67 show a piano solo with complex chords and arpeggios. Dynamics include *f* and *sf*.

69

74

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

(IC SET 1)

f

mf

(IC SET 2)

mf

78 (IC SET 2)

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 78-81 is as follows:

- T. Sax.:** Measures 78-81. Melodic line with slurs and accents. Measure 78 starts with a treble clef, key signature of two sharps (F# and C#), and a common time signature. The melody consists of eighth and sixteenth notes with various slurs and accents.
- Flghn.:** Measures 78-81. Empty staff.
- B. Cl.:** Measures 78-81. Empty staff.
- Vln.:** Measures 78-81. Empty staff.
- Vla.:** Measures 78-81. Empty staff.
- Vib.:** Measures 78-81. Rhythmic line with slurs and accents. Measure 78 starts with a treble clef, key signature of two sharps (F# and C#), and a common time signature. The rhythm consists of eighth and sixteenth notes with various slurs and accents. Measure 79 has a dynamic marking of *mf*.
- Pno.:** Measures 78-81. Empty staff.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score is for measures 82 through 86, in 5/4 time. The key signature has one sharp (F#). The instruments are T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. The Vib. part is the only one with notes, featuring a complex rhythmic pattern of eighth and sixteenth notes with various accidentals and dynamics. The other instruments have whole rests for all five measures. The T. Sax. part has a slur over the first measure, which contains a whole note F#.

(IC SET 1)

[illegible]

91

T. Sax. *f*

Flghn. *f*

B. Cl. *f*

Vln. *f*

Vla. *f*

Vib. *f*

Pno. *f* *mf* *f*

95

T. Sax. *f* **E**

Flghn.

B. Cl.

Vln. *mf* pizz.

Vla. *mf* pizz.

Vib. *f*

Pno. *mf* *f* *mf* *f*

Red.

6

6

6

99

T. Sax. (IC SET 1) *mp*

Flghn. *mf* *f* *mf* *mf mp*

B. Cl.

Vln. pizz. pizz. arco *f* *mf*

Vla. pizz. pizz. arco *f* *gliss.* *mf*

Vib.

Pno. *mf* *f* PC SET 2

102

F

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

pizz.

mf

pizz.

mf

Red.

Red.

T. Sax. *mf* *mp* *mf*
 Flghn. *mf*
 B. Cl. *mf*
 Vln.
 Vla.
 Vib.
 Pno. *mp* *mp*
 Red.

110

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

Red.

114

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

Ed.

123

IC SET 3

IC SET 2

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

f

mf

f

mf

f

mf

mf

mf

pizz.

pizz.

pizz.

pizz.

mf

mf

126

IC SET 1

H

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score is written for a seven-piece ensemble. The T. Sax. part begins in measure 126 with a quarter note F#4, followed by eighth notes G#4, A4, B4, C#5, and D5. The Flghn. part enters in measure 126 with a quarter note F#4, followed by eighth notes G#4, A4, B4, and C#5. The B. Cl. part enters in measure 127 with a quarter note F#4, followed by eighth notes G#4, A4, B4, and C#5. The Vln. part enters in measure 127 with a quarter note F#4, followed by eighth notes G#4, A4, and B4. The Vla. part enters in measure 128 with a quarter note F#4, followed by eighth notes G#4, A4, and B4. The Vib. part enters in measure 128 with a half note F#4. The Pno. part is silent throughout. The score is marked with a rehearsal symbol 'H' and the text 'IC SET 1'.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

T. Sax. *mf*

Flghn. *mf*

B. Cl.

Vln. *mp*

Vla. *mp*

Vib.

Pno.

The musical score is written for seven instruments: T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. The key signature is one sharp (F#) and the time signature is 5/4. Measures 135 and 136 contain melodic lines for T. Sax., Flghn., B. Cl., Vln., and Vla., while Vib. plays a continuous sixteenth-note pattern. Measure 137 contains rests for all instruments. Dynamics include mf and mp.

138

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

f

140

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score consists of seven staves. The top staff is for T. Sax. (Treble clef, key of D major). The second staff is for Flghn. (Treble clef, key of D major). The third staff is for B. Cl. (Treble clef, key of D major). The fourth staff is for Vln. (Treble clef). The fifth staff is for Vla. (Bass clef). The sixth staff is for Vib. (Treble clef). The seventh staff is for Pno. (Grand staff). Measure 140 shows the Vib. part with a continuous eighth-note melody. The other parts have whole rests. Measure 141 shows all parts with whole rests.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 142 and 143 is as follows:

- T. Sax.:** Measure 142: Rest. Measure 143: Quarter rest, eighth rest, eighth note F#4, quarter note G#4, eighth note A4, quarter rest, eighth note B4, eighth note C#5, quarter note D5.
- Flghn.:** Measure 142: Rest. Measure 143: Quarter rest, eighth note F#4, eighth note G#4, quarter note A4, eighth note B4, eighth note C#5, quarter note D5, eighth note E5, eighth note F#5, quarter rest, eighth note G#5, eighth note A5, quarter note B5, eighth note C#6, eighth note D6, quarter note E6, eighth note F#6, eighth note G#6, quarter note A6, eighth note B6, eighth note C#7, quarter note D7.
- B. Cl.:** Measure 142: Rest. Measure 143: Rest.
- Vln.:** Measure 142: Rest. Measure 143: Rest.
- Vla.:** Measure 142: Rest. Measure 143: Rest.
- Vib.:** Measure 142: Eighth notes: C4, D4, E4, F#4, G4, A4, B4, C#5, D5, E5, F#5, G#5, A5, B5, C#6, D6, E6, F#6, G#6, A6, B6, C#7, D7, E7, F#7, G#7, A7, B7, C#8, D8, E8, F#8, G#8, A8, B8, C#9, D9, E9, F#9, G#9, A9, B9, C#10, D10, E10, F#10, G#10, A10, B10, C#11, D11, E11, F#11, G#11, A11, B11, C#12, D12, E12, F#12, G#12, A12, B12, C#13, D13, E13, F#13, G#13, A13, B13, C#14, D14, E14, F#14, G#14, A14, B14, C#15, D15, E15, F#15, G#15, A15, B15, C#16, D16, E16, F#16, G#16, A16, B16, C#17, D17, E17, F#17, G#17, A17, B17, C#18, D18, E18, F#18, G#18, A18, B18, C#19, D19, E19, F#19, G#19, A19, B19, C#20, D20, E20, F#20, G#20, A20, B20, C#21, D21, E21, F#21, G#21, A21, B21, C#22, D22, E22, F#22, G#22, A22, B22, C#23, D23, E23, F#23, G#23, A23, B23, C#24, D24, E24, F#24, G#24, A24, B24, C#25, D25, E25, F#25, G#25, A25, B25, C#26, D26, E26, F#26, G#26, A26, B26, C#27, D27, E27, F#27, G#27, A27, B27, C#28, D28, E28, F#28, G#28, A28, B28, C#29, D29, E29, F#29, G#29, A29, B29, C#30, D30, E30, F#30, G#30, A30, B30, C#31, D31, E31, F#31, G#31, A31, B31, C#32, D32, E32, F#32, G#32, A32, B32, C#33, D33, E33, F#33, G#33, A33, B33, C#34, D34, E34, F#34, G#34, A34, B34, C#35, D35, E35, F#35, G#35, A35, B35, C#36, D36, E36, F#36, G#36, A36, B36, C#37, D37, E37, F#37, G#37, A37, B37, C#38, D38, E38, F#38, G#38, A38, B38, C#39, D39, E39, F#39, G#39, A39, B39, C#40, D40, E40, F#40, G#40, A40, B40, C#41, D41, E41, F#41, G#41, A41, B41, C#42, D42, E42, F#42, G#42, A42, B42, C#43, D43, E43, F#43, G#43, A43, B43, C#44, D44, E44, F#44, G#44, A44, B44, C#45, D45, E45, F#45, G#45, A45, B45, C#46, D46, E46, F#46, G#46, A46, B46, C#47, D47, E47, F#47, G#47, A47, B47, C#48, D48, E48, F#48, G#48, A48, B48, C#49, D49, E49, F#49, G#49, A49, B49, C#50, D50, E50, F#50, G#50, A50, B50, C#51, D51, E51, F#51, G#51, A51, B51, C#52, D52, E52, F#52, G#52, A52, B52, C#53, D53, E53, F#53, G#53, A53, B53, C#54, D54, E54, F#54, G#54, A54, B54, C#55, D55, E55, F#55, G#55, A55, B55, C#56, D56, E56, F#56, G#56, A56, B56, C#57, D57, E57, F#57, G#57, A57, B57, C#58, D58, E58, F#58, G#58, A58, B58, C#59, D59, E59, F#59, G#59, A59, B59, C#60, D60, E60, F#60, G#60, A60, B60, C#61, D61, E61, F#61, G#61, A61, B61, C#62, D62, E62, F#62, G#62, A62, B62, C#63, D63, E63, F#63, G#63, A63, B63, C#64, D64, E64, F#64, G#64, A64, B64, C#65, D65, E65, F#65, G#65, A65, B65, C#66, D66, E66, F#66, G#66, A66, B66, C#67, D67, E67, F#67, G#67, A67, B67, C#68, D68, E68, F#68, G#68, A68, B68, C#69, D69, E69, F#69, G#69, A69, B69, C#70, D70, E70, F#70, G#70, A70, B70, C#71, D71, E71, F#71, G#71, A71, B71, C#72, D72, E72, F#72, G#72, A72, B72, C#73, D73, E73, F#73, G#73, A73, B73, C#74, D74, E74, F#74, G#74, A74, B74, C#75, D75, E75, F#75, G#75, A75, B75, C#76, D76, E76, F#76, G#76, A76, B76, C#77, D77, E77, F#77, G#77, A77, B77, C#78, D78, E78, F#78, G#78, A78, B78, C#79, D79, E79, F#79, G#79, A79, B79, C#80, D80, E80, F#80, G#80, A80, B80, C#81, D81, E81, F#81, G#81, A81, B81, C#82, D82, E82, F#82, G#82, A82, B82, C#83, D83, E83, F#83, G#83, A83, B83, C#84, D84, E84, F#84, G#84, A84, B84, C#85, D85, E85, F#85, G#85, A85, B85, C#86, D86, E86, F#86, G#86, A86, B86, C#87, D87, E87, F#87, G#87, A87, B87, C#88, D88, E88, F#88, G#88, A88, B88, C#89, D89, E89, F#89, G#89, A89, B89, C#90, D90, E90, F#90, G#90, A90, B90, C#91, D91, E91, F#91, G#91, A91, B91, C#92, D92, E92, F#92, G#92, A92, B92, C#93, D93, E93, F#93, G#93, A93, B93, C#94, D94, E94, F#94, G#94, A94, B94, C#95, D95, E95, F#95, G#95, A95, B95, C#96, D96, E96, F#96, G#96, A96, B96, C#97, D97, E97, F#97, G#97, A97, B97, C#98, D98, E98, F#98, G#98, A98, B98, C#99, D99, E99, F#99, G#99, A99, B99, C#100, D100, E100, F#100, G#100, A100, B100, C#101, D101, E101, F#101, G#101, A101, B101, C#102, D102, E102, F#102, G#102, A102, B102, C#103, D103, E103, F#103, G#103, A103, B103, C#104, D104, E104, F#104, G#104, A104, B104, C#105, D105, E105, F#105, G#105, A105, B105, C#106, D106, E106, F#106, G#106, A106, B106, C#107, D107, E107, F#107, G#107, A107, B107, C#108, D108, E108, F#108, G#108, A108, B108, C#109, D109, E109, F#109, G#109, A109, B109, C#110, D110, E110, F#110, G#110, A110, B110, C#111, D111, E111, F#111, G#111, A111, B111, C#112, D112, E112, F#112, G#112, A112, B112, C#113, D113, E113, F#113, G#113, A113, B113, C#114, D114, E114, F#114, G#114, A114, B114, C#115, D115, E115, F#115, G#115, A115, B115, C#116, D116, E116, F#116, G#116, A116, B116, C#117, D117, E117, F#117, G#117, A117, B117, C#118, D118, E118, F#118, G#118, A118, B118, C#119, D119, E119, F#119, G#119, A119, B119, C#120, D120, E120, F#120, G#120, A120, B120, C#121, D121, E121, F#121, G#121, A121, B121, C#122, D122, E122, F#122, G#122, A122, B122, C#123, D123, E123, F#123, G#123, A123, B123, C#124, D124, E124, F#124, G#124, A124, B124, C#125, D125, E125, F#125, G#125, A125, B125, C#126, D126, E126, F#126, G#126, A126, B126, C#127, D127, E127, F#127, G#127, A127, B127, C#128, D128, E128, F#128, G#128, A128, B128, C#129, D129, E129, F#129, G#129, A129, B129, C#130, D130, E130, F#130, G#130, A130, B130, C#131, D131, E131, F#131, G#131, A131, B131, C#132, D132, E132, F#132, G#132, A132, B132, C#133, D133, E133, F#133, G#133, A133, B133, C#134, D134, E134, F#134, G#134, A134, B134, C#135, D135, E135, F#135, G#135, A135, B135, C#136, D136, E136, F#136, G#136, A136, B136, C#137, D137, E137, F#137, G#137, A137, B137, C#138, D138, E138, F#138, G#138, A138, B138, C#139, D139, E139, F#139, G#139, A139, B139, C#140, D140, E140, F#140, G#140, A140, B140, C#141, D141, E141, F#141, G#141, A141, B141, C#142, D142, E142, F#142, G#142, A142, B142, C#143, D143, E143, F#143, G#143, A143, B143, C#144, D144, E144, F#144, G#144, A144, B144, C#145, D145, E145, F#145, G#145, A145, B145, C#146, D146, E146, F#146, G#146, A146, B146, C#147, D147, E147, F#147, G#147, A147, B147, C#148, D148, E148, F#148, G#148, A148, B148, C#149, D149, E149, F#149, G#149, A149, B149, C#150, D150, E150, F#150, G#150, A150, B150, C#151, D151, E151, F#151, G#151, A151, B151, C#152, D152, E152, F#152, G#152, A152, B152, C#153, D153, E153, F#153, G#153, A153, B153, C#154, D154, E154, F#154, G#154, A154, B154, C#155, D155, E155, F#155, G#155, A155, B155, C#156, D156, E156, F#156, G#156, A156, B156, C#157, D157, E157, F#157, G#157, A157, B157, C#158, D158, E158, F#158, G#158, A158, B158, C#159, D159, E159, F#159, G#159, A159, B159, C#160, D160, E160, F#160, G#160, A160, B160, C#161, D161, E161, F#161, G#161, A161, B161, C#162, D162, E162, F#162, G#162, A162, B162, C#163, D163, E163, F#163, G#163, A163, B163, C#164, D164, E164, F#164, G#164, A164, B164, C#165, D165, E165, F#165, G#165, A165, B165, C#166, D166, E166, F#166, G#166, A166, B166, C#167, D167, E167, F#167, G#167, A167, B167, C#168, D168, E168, F#168, G#168, A168, B168, C#169, D169, E169, F#169, G#169, A169, B169, C#170, D170, E170, F#170, G#170, A170, B170, C#171, D171, E171, F#171, G#171, A171, B171, C#172, D172, E172, F#172, G#172, A172, B172, C#173, D173, E173, F#173, G#173, A173, B173, C#174, D174, E174, F#174, G#174, A174, B174, C#175, D175, E175, F#175, G#175, A175, B175, C#176, D176, E176, F#176, G#176, A176, B176, C#177, D177, E177, F#177, G#177, A177, B177, C#178, D178, E178, F#178, G#178, A178, B178, C#179, D179, E179, F#179, G#179, A179, B179, C#180, D180, E180, F#180, G#180, A180, B180, C#181, D181, E181, F#181, G#181, A181, B181, C#182, D182, E182, F#182, G#182, A182, B182, C#183, D183, E183, F#183, G#183, A183, B183, C#184, D184, E184, F#184, G#184, A184, B184, C#185, D185, E185, F#185, G#185, A185, B185, C#186, D186, E186, F#186, G#186, A186, B186, C#187, D187, E187, F#187, G#187, A187, B187, C#188, D188, E188, F#188, G#188, A188, B188, C#189, D189, E189, F#189, G#189, A189, B189, C#190, D190, E190, F#190, G#190, A190, B190, C#191, D191, E191, F#191, G#191, A191, B191, C#192, D192, E192, F#192, G#192, A192, B192, C#193, D193, E193, F#193, G#193, A193, B193, C#194, D194, E194, F#194, G#194, A194, B194, C#195, D195, E195, F#195, G#195, A195, B195, C#196, D196, E196, F#196, G#196, A196, B196, C#197, D197, E197, F#197, G#197, A197, B197, C#198, D198, E198, F#198, G#198, A198, B198, C#199, D199, E199, F#199, G#199, A199, B199, C#200, D200, E200, F#200, G#200, A200, B200, C#201, D201, E201, F#201, G#201, A201, B201, C#202, D202, E202, F#202, G#202, A202, B202, C#203, D203, E203, F#203, G#203, A203, B203, C#204, D204, E204, F#204, G#204, A204, B204, C#205, D205, E205, F#205, G#205, A205, B205, C#206, D206, E206, F#206, G#206, A206, B206, C#207, D207, E207, F#207, G#207, A207, B207, C#208, D208, E208, F#208, G#208, A208, B208, C#209, D209, E209, F#209, G#209, A209, B209, C#210, D210, E210, F#210, G#210, A210, B210, C#211, D211, E211, F#211, G#211, A211, B211, C#212, D212, E212, F#212, G#212, A212, B212, C#213, D213, E213, F#213, G#213, A213, B213, C#214, D214, E214, F#214, G#214, A214, B214, C#215, D215, E215, F#215, G#215, A215, B215, C#216, D216, E216, F#216, G#216, A216, B216, C#217, D217, E217, F#217, G#217, A217, B217, C#218, D218, E218, F#218, G#218, A218, B218, C#219, D219, E219, F#219, G#219, A219, B219, C#220, D220, E220, F#220, G#220, A220, B220, C#221, D221, E221, F#221, G#221, A221, B221, C#222, D222, E222, F#222, G#222, A222, B222, C#223, D223, E223, F#223, G#223, A223, B223, C#224, D224, E224, F#224, G#224, A224, B224, C#225, D225, E225, F#225, G#225, A225, B225, C#226, D226, E226, F#226, G#226, A226, B226, C#227, D227, E227, F#227, G#227, A227, B227, C#228, D228, E228, F#228, G#228, A228, B228, C#229, D229, E229, F#229, G#229, A229, B229, C#230, D230, E230, F#230, G#230, A230, B230, C#231, D231, E231, F#231, G#231, A231, B231, C#232, D232, E232, F#232, G#232, A232, B232, C#233, D233, E233, F#233, G#233, A233, B233, C#234, D234, E234, F#234, G#234, A234, B234, C#235, D235, E235, F#235, G#235, A235, B235, C#236, D236, E236, F#236, G#236, A236, B236, C#237, D237, E237, F#237, G#237, A237, B237, C#238, D238, E238, F#238, G#238, A238, B238, C#239, D239, E239, F#239, G#239, A239, B239, C#240, D240, E240, F#240, G#240, A240, B240, C#241, D241, E241, F#241, G#241, A241, B241, C#242, D242, E242, F#242, G#242, A242, B242, C#243, D243, E243, F#243, G#243, A243, B243, C#244, D244, E244, F#244, G#244, A244, B244, C#245, D245, E245, F#245, G#245, A245, B245, C#246, D246, E246, F#246, G#246, A246, B246, C#247, D247, E247, F#247, G#247, A247, B247, C#248, D248, E248, F#248, G#248, A248, B248, C#249, D249, E249, F#249, G#249, A249, B249, C#250, D250, E250, F#250, G#250, A250, B250, C#251, D251, E251, F#251, G#251, A251, B251, C#252, D252, E252, F#252, G#252, A252, B252, C#253, D253, E253, F#253, G#253, A253, B253, C#254, D254, E254, F#254, G#254, A254, B254, C#255, D255, E255, F#255, G#255, A255, B255, C#256, D256, E256, F#256, G#256, A256, B256, C#257, D257, E257, F#257, G#257, A257, B257, C#258, D258, E258, F#258, G#258, A258, B258, C#259, D259, E259, F#259, G#259, A259, B259, C#260, D260, E260, F#260, G#260, A260, B260, C#261, D261, E261, F#261, G#261, A261, B261, C#262, D262, E262, F#262, G#262, A262, B262, C#263, D263, E263, F#263, G#263, A263, B263, C#264, D264, E264, F#264, G#264, A264, B264, C#265, D265, E265, F#265, G#265, A265, B265, C#266, D266, E266, F#266, G#266, A266, B266, C#267, D267, E267, F#267, G#267, A267, B267, C#268, D268, E268, F#268, G#268, A268, B268, C#269, D269, E269, F#269, G#269, A269, B269, C#270, D270, E270, F#270, G#270, A270, B270, C#271, D271, E271, F#271, G#271, A271, B271, C#272, D272, E272, F#272, G#272, A272, B272, C#273, D273, E273, F#273, G#273, A273, B273, C#274, D274, E274, F#274, G#274, A274, B274, C#275, D275, E275, F#275, G#275, A275, B275, C#276, D276, E276, F#276, G#276, A276, B276, C#277, D277, E277, F#277, G#277, A277, B277, C#278, D278, E278, F#278, G#278, A278, B278, C#279, D279, E279, F#279, G#279, A279, B279, C#280, D280, E280, F#280, G#280, A280, B280, C#281, D281, E281, F#281, G#281, A281, B281, C#282, D282, E282, F#282, G#282, A282, B282, C#283, D283, E283, F#283, G#283, A283, B283, C#284, D284, E284, F#284, G#284, A284, B284, C#285, D285, E285, F#285, G#285, A285, B285, C#286, D286, E286, F#286, G#286, A286, B286, C#287, D287, E287, F#287, G#287, A287, B287, C#288, D288, E288, F#288, G#288, A288, B288, C#289, D289, E289, F#289, G#289, A289, B289, C#290, D290, E290, F#290, G#290, A290, B290, C#291, D291, E291, F#291, G#291, A291, B291, C#292, D292, E292, F#292, G#292, A292, B292, C#293, D293, E293, F#293, G#293, A293, B293, C#294, D294, E294, F#294, G#294, A294, B294, C#295, D295, E295, F#295, G#295, A295, B295, C#296, D296, E296, F#296, G#296, A296, B296, C#297, D297, E297, F#297, G#297, A297, B297, C#298, D298, E298, F#298, G#298, A298, B298, C#299, D299, E299, F#299, G#299, A299, B299, C#300, D300, E300, F#300, G#300, A300, B300, C#301, D301, E301, F#301, G#301, A301, B301, C#302, D302, E302, F#302, G#302, A302, B302, C#303, D303, E303, F#303, G#303, A303, B303, C#304, D304, E304, F#304, G#304, A304, B304, C#305, D305, E305, F#305, G#305, A305, B305, C#306, D306, E306, F#306, G#306, A306, B306, C#307, D307, E307, F#307, G#307, A307, B307, C#308, D308, E308, F#308, G#308, A308, B308, C#309, D309, E309, F#309, G#309, A309, B309, C#310, D310, E310, F#310, G#310, A310, B310, C#311, D311, E311, F#311, G#311, A311, B311, C#312, D312, E312, F#312, G#312, A312, B312, C#313, D313, E313, F#313, G#313, A313, B313, C#314, D314, E314, F#314, G#314, A314, B314, C#315, D315, E315, F#315, G#315, A315, B315, C#316, D316, E316, F#316, G#316, A316, B316, C#317, D317, E317, F#317, G#317, A317, B317, C#318, D318, E318, F#318, G#318, A318, B318, C#319, D319, E319, F#319, G#319, A319, B319, C#320, D320, E320, F#320, G#320, A320, B320, C#321, D321, E321, F#321, G#321, A321, B321, C#322, D322, E322, F#322, G#322, A322, B322, C#323, D323, E323, F#323, G#323, A323, B323, C#324, D324, E324, F#324, G#324, A324, B324, C#325, D325, E325, F#325, G#325, A325, B325, C#326, D326, E326, F#326, G#326, A326, B326, C#327, D327, E327, F#327, G#327, A327, B327, C#328, D328, E328, F#328, G#328, A328, B328, C#329, D329, E329, F#329, G#329, A329, B329, C#330, D330, E330, F#330, G#330, A330, B330, C#331, D331, E331, F#331, G#331, A331, B331, C#332, D332, E332, F#332, G#332, A332, B332, C#333, D333, E333, F#333, G#333, A333, B333, C#334, D334, E334, F#334, G#334, A334, B

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 144 and 145 is as follows:

- T. Sax.:** Measure 144: Quarter rest, eighth rest, eighth note F#, eighth note G, eighth note F# (beamed), eighth rest, quarter rest, eighth note G, eighth note A, eighth note G (beamed). Measure 145: Quarter rest, eighth rest, eighth note F#, eighth note G, eighth note F# (beamed), eighth rest, quarter rest, eighth note G, eighth note A, eighth note G (beamed). Dynamic: *f*.
- Flghn.:** Measure 144: Quarter rest, eighth note G, eighth note A, eighth note G (beamed), eighth rest, quarter rest, eighth rest, eighth note F#, eighth note G, eighth note F# (beamed), eighth rest. Measure 145: Quarter rest, eighth note G, eighth note A, eighth note G (beamed), eighth rest, quarter rest, eighth rest, eighth note F#, eighth note G, eighth note F# (beamed), eighth rest. Dynamic: *f*.
- B. Cl.:** Measure 144: Whole rest. Measure 145: Eighth note G, eighth note A, eighth note G (beamed), eighth rest, quarter rest, eighth note F#, eighth note G, eighth note F# (beamed), eighth rest. Dynamic: *f*.
- Vln.:** Measure 144: Whole rest. Measure 145: Whole rest.
- Vla.:** Measure 144: Whole rest. Measure 145: Whole rest.
- Vib.:** Measure 144: Eighth note G, eighth note A, eighth note G (beamed), eighth note F#, eighth note G, eighth note A, eighth note G (beamed), eighth note F#, eighth note G, eighth note A, eighth note G (beamed), eighth note F#, eighth note G, eighth note A, eighth note G (beamed), eighth note F#. Measure 145: Eighth note G, eighth note A, eighth note G (beamed), eighth note F#, eighth note G, eighth note A, eighth note G (beamed), eighth note F#, eighth note G, eighth note A, eighth note G (beamed), eighth note F#, eighth note G, eighth note A, eighth note G (beamed), eighth note F#. Accents are present on the eighth notes.
- Pno.:** Measure 144: Whole rest. Measure 145: Whole rest.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 146 and 147 is written for a chamber ensemble. The key signature is two sharps (F# and C#). The staves are arranged vertically: T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. The T. Sax. part begins with a rest, followed by a quarter note F#, a quarter note G, a quarter note A, and a quarter note B. The Flghn. part begins with a rest, followed by a quarter note F#, a quarter note G, a quarter note A, and a quarter note B. The B. Cl. part begins with a rest, followed by a quarter note F#, a quarter note G, a quarter note A, and a quarter note B. The Vln. part begins with a rest, followed by a quarter note F#, a quarter note G, a quarter note A, and a quarter note B. The Vla. part begins with a rest, followed by a quarter note F#, a quarter note G, a quarter note A, and a quarter note B. The Vib. part begins with a rest, followed by a quarter note F#, a quarter note G, a quarter note A, and a quarter note B. The Pno. part begins with a rest, followed by a quarter note F#, a quarter note G, a quarter note A, and a quarter note B. The Vln. and Vla. parts are marked 'arco' and 'f' (forte). The Vib. part has a continuous eighth-note pattern. The Pno. part is mostly silent with some rests.

148

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

I

ff

arco

f

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 150 and 151 is as follows:

- T. Sax.:** Measure 150: Quarter rest, eighth rest, eighth note F#, quarter note G, eighth note F, quarter note E. Measure 151: Quarter rest, eighth rest, eighth note F#, quarter note G, eighth note F, quarter note E.
- Flghn.:** Measure 150: Quarter rest, eighth note F, quarter note G, eighth note F, quarter note E. Measure 151: Quarter rest, eighth note F, quarter note G, eighth note F, quarter note E.
- B. Cl.:** Measure 150: Quarter note F#, quarter note G, quarter note A, quarter note B. Measure 151: Quarter note F#, quarter note G, quarter note A, quarter note B.
- Vln.:** Measure 150: Quarter note F#, quarter note G, quarter note A, quarter note B. Measure 151: Quarter note F#, quarter note G, quarter note A, quarter note B.
- Vla.:** Measure 150: Quarter note F#, quarter note G, quarter note A, quarter note B. Measure 151: Quarter note F#, quarter note G, quarter note A, quarter note B.
- Vib.:** Measure 150: Quarter note F#, quarter note G, quarter note A, quarter note B. Measure 151: Quarter note F#, quarter note G, quarter note A, quarter note B.
- Pno.:** Measure 150: Quarter note F#, quarter note G, quarter note A, quarter note B. Measure 151: Quarter note F#, quarter note G, quarter note A, quarter note B.

T. Sax.
 Flghn.
 B. Cl.
 Vln.
 Vla.
 Vib.
 Pno.

Musical score for measures 152-153. The score includes parts for T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. The key signature is two sharps (F# and C#). The music features a variety of note values, rests, and dynamic markings. The Vln. and Vla. parts are marked *ff* (fortissimo) and *arco* (arco). The Pno. part is marked *ff* (fortissimo).

154

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

J

ff

mf

pizz.

f

Detailed description of the musical score: The score is for measures 154 and 155. Measure 154 is marked with a 'J' in a box. The T. Sax. part has a melodic line with rests. The Flghn. part has a rhythmic pattern of eighth and sixteenth notes. The B. Cl. part has a melodic line with rests. The Vln. and Vla. parts have a complex rhythmic pattern with many sixteenth notes, marked with *ff*. The Vib. part has a rhythmic pattern of eighth and sixteenth notes. The Pno. part has a simple harmonic accompaniment with a *f* dynamic. Measure 155 is a repeat of measure 154. The Vln. and Vla. parts are marked with *mf* and pizz. in measure 155.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

pizz.

mf

mf

Detailed description of the musical score: The score consists of seven staves. The top three staves (T. Sax., Flghn., B. Cl.) are in treble clef with a key signature of two sharps. They contain complex rhythmic patterns with many eighth and sixteenth notes, some beamed together. The Vln., Vla., and Vib. staves are also in treble clef (Vla. is in alto clef) and contain simpler melodic lines with some rests. The Vib. staff starts with a 'mf' marking. The Pno. staff is in grand staff notation (treble and bass clefs) and contains mostly rests, with some notes appearing in measures 158 and 159, marked with 'mf'. The 'pizz.' marking appears above the Vln. and Vla. staves in measure 157. The page number '156' is at the top left.

T. Sax.
 Flghn.
 B. Cl.
 Vln.
 Vla.
 Vib.
 Pno.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 162-165 is written for a chamber ensemble. The key signature is one sharp (F#). The score includes parts for T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. The Vln. and Vla. parts are marked 'ff' and 'arco'. The Pno. part is marked 'f'.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score is written for seven instruments: T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. The key signature is one sharp (F#) and the time signature is 4/4. The score consists of two measures, 164 and 165. Each instrument has a first ending (marked 1.) and a second ending (marked 2.). The Vln. and Vla. parts include a forte (ff) dynamic marking. The Pno. part is written in grand staff notation.

166

L **M**

T. Sax. *ff* *mf*

Flghn. *ff* *mf*

B. Cl. *ff* *mf*

Vln. *ff*

Vla. *ff*

Vib. *ff*

Pno. *ff*

170

T. Sax. *f*

Flghn. *f*

B. Cl. *f*

Vln. *arco* *mf*

Vla. *arco*

Vib. *f*

Pno.

The musical score for measures 170-173 is written for a chamber ensemble. The key signature is two sharps (F# and C#) and the time signature is 5/4. The staves are arranged vertically: T. Sax., Flghn., B. Cl., Vln., Vla., Vib., and Pno. The piano part (Pno.) is silent throughout these measures. The woodwinds (T. Sax., Flghn., B. Cl.) play melodic lines with various articulations and dynamics, including forte (f). The strings (Vln., Vla., Vib.) provide harmonic support, with the Violins and Viola playing arco (bowed) and the Vibraphone playing a melodic line. The measures end with repeat signs and a final double bar line.

174 N

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

177 O

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 177-180 is as follows:

- Measure 177:** T. Sax. (quarter rest, eighth rest, eighth note G#4, quarter note A4, eighth rest, quarter note B4, eighth rest, eighth note C#5, quarter note D5), Flghn. (quarter rest, eighth note G4, eighth note A4, quarter rest, eighth note B4, eighth note C#5, quarter rest, eighth note D5, eighth note E5), B. Cl. (quarter note F#4, eighth note G4, eighth note A4, quarter note B4, eighth note C#5, eighth note D5, quarter rest).
- Measure 178:** T. Sax. (quarter rest, eighth rest, eighth note G#4, quarter note A4, eighth rest, quarter note B4, eighth rest, eighth note C#5, quarter note D5), Flghn. (quarter rest, eighth note G4, eighth note A4, quarter rest, eighth note B4, eighth note C#5, quarter rest, eighth note D5, eighth note E5), B. Cl. (quarter note F#4, eighth note G4, eighth note A4, quarter note B4, eighth note C#5, eighth note D5, quarter rest).
- Measure 179:** Repeat sign.
- Measure 180:** Repeat sign.

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score consists of seven staves. The first three staves (T. Sax., Flghn., B. Cl.) contain complex melodic and harmonic lines with many accidentals. The Vln. and Vla. staves are mostly silent in measures 180 and 181, but enter in measure 182 with a forte (ff) dynamic. The Vib. and Pno. staves are also mostly silent, with the Pno. part showing some activity in measure 182.

183 **P**

T. Sax. *f*

Flghn. *f*

B. Cl. *f*

Vln. *f* *fff* *ff* *arco*

Vla. *f* *fff* *ff* *arco*

Vib. *f* *fff*

Pno. *f* *ff*

187

Q

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

arco

arco

191

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

R

ff

ff

ff

T. Sax. 

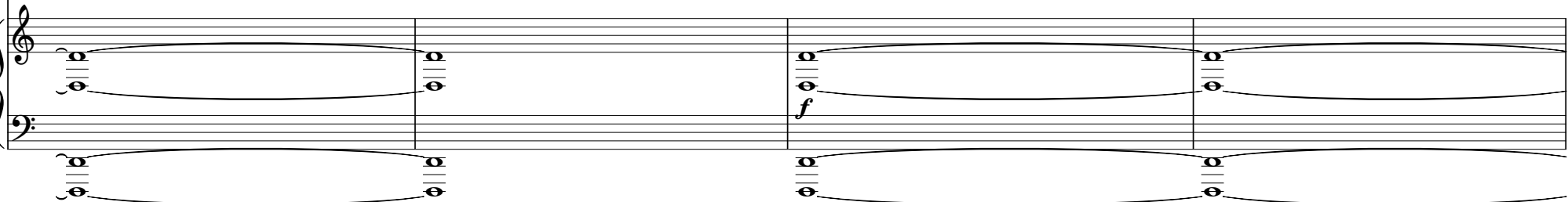
Flghn. 

B. Cl. 

Vln. 

Vla. 

Vib. 

Pno. 

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

mf

mf

mf

mf

f

202

T. Sax.

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

The musical score for measures 202-206 is as follows:

- T. Sax.:** Measures 202-204 contain eighth-note patterns with rests. Measures 205-206 contain whole rests.
- Flghn.:** Measures 202-204 contain eighth-note patterns with rests. Measures 205-206 contain whole rests.
- B. Cl.:** Measures 202-204 contain whole rests. Measure 205 contains a half note G3 with a *mp* dynamic. Measure 206 contains a whole rest.
- Vln.:** Measures 202-206 contain whole rests.
- Vla.:** Measures 202-204 contain whole rests. Measure 205 contains a half note G3 with a *mp* dynamic. Measure 206 contains a whole rest.
- Vib.:** Measures 202-206 contain eighth-note patterns. Measures 202-204 are marked *mf*. Measures 205-206 end with a *Red.* (Reduction) symbol.
- Pno.:** Measures 202-204 contain sustained chords in both hands, marked *mf*. Measures 205-206 contain whole rests.

207

T. Sax. $\text{♩} = 98$ (IC SET 1) $\text{♩} = 90$ $\text{♩} = 82$

Flghn.

B. Cl.

Vln.

Vla.

Vib.

Pno.

mp *mf* *mp* *pp*

(Red.)

(Red.)