THE BORNOFF APPROACH

A COMPREHENSIVE CURRICULUM FOR STRING ORCHESTRA

Patterns in Position
George Bornoff

The Foundation for the Advancement of String Education

Mission

The Foundation for the Advancement of String Education (FASE, Inc.) is a 501(c)(3) charitable organization that promotes the pedagogy and philosophies of Dr. George Bornoff and provides financial support for the development of string education and teacher training.

Vision

The Foundation for the Advancement of String Education seeks to promote new orchestral opportunities worldwide. We believe music programs can transform the lives of students and their communities.

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A Word to the Teacher By George Bornoff

May I express to the string teachers of the United States and Canada my thanks for the extensive reception given my first series of books. FINGER PATTERNS and FUN FOR FIDDLE FINGERS complete the first level of instruction.

The pupil has now acquired good right arm control, fine left hand facility, a good tonal base and has made the transition from rote to note.

He has been introduced to the elementary stages of shifting and has completed the spatial to aural adjustment. The pattern adjustments made through this process solve the problem of intonation.

PATTERNS IN POSITION opens up the second level. Now the pupil's basic skills, already established, are developed on a higher level. This is accomplished by transforming the original finger patterns into double stops, artificial harmonics and more advanced forms of shifting. When the student completes these two levels of instruction, he is ready to enter the field of advanced study.

My hope is that Patterns in Position will help many more teachers to streamline their teaching methods and thus enrich the musical experience of many thousands of promising young lives among the youth of today.

-George Bornoff

INTEGRATION

When PATTERNS IN POSITION is used with violins, violas, 'cellos and basses playing together, the violas and 'cellos will begin playing the complete pattern on the C string before the violins and basses enter on the G string, unless otherwise indicated. The basses are the only instruments that vary. The violas and 'cellos must therefor rest while the basses and violins play the complete pattern on the E string. Thereafter all instruments enter together on the A string. This procedure is indicated by an asterisk.*

SECTION ONE

NATURAL HARMONICS

Open String Cycle Using the Second Harmonic



Shifting from the First Position to the Second Harmonic









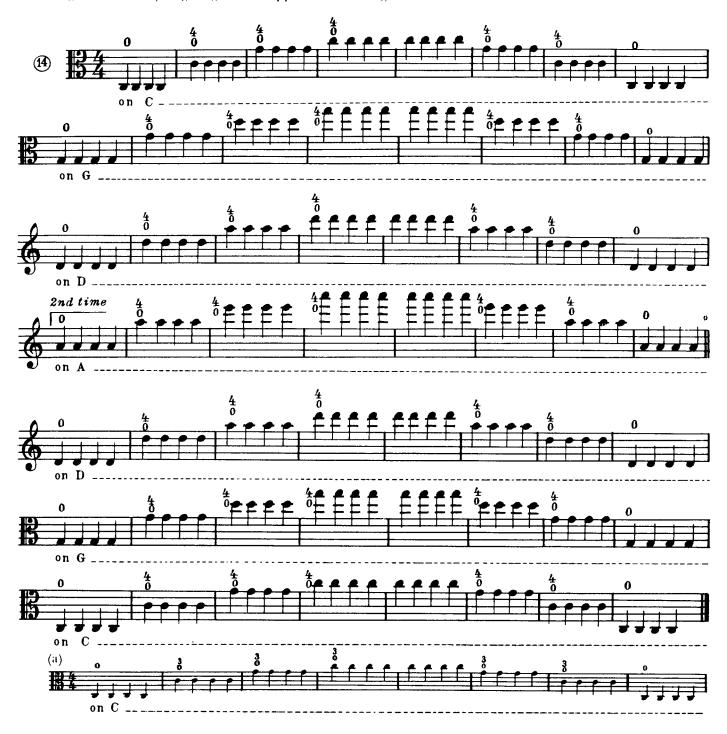
The Second, Third and Fourth Harmonic in String Cycle Form

Producing harmonics by fingering on the lower half of string.





Producing harmonics by fingering on the upper half of string.





The one octave scale and the first four harmonics on the lower octave of string.



The one octave scale and the first four harmonics on the upper octave of string.



SECTION TWO

STACCATO AND SPICCATO

① STACCATO

Use full length of the bow. Apply to the five finger patterns.



(a) Practice in the complete string cycle as in No. 1. Use full length of the bow.



(b) Use full bows and practice in the complete cycle as in No. 1.



(c) Use full bows and practice in the complete string cycle as in No. 1.



- (d) Additional bowing exercises to be applied to [1, 1a, 1b and 1c].
 - (1) Beginning with an up bow, using the extreme upper part of the bow.
 - (2) Beginning with a down bow, using the extreme upper part of the bow.
 - (3) Beginning with an up bow, using the extreme lower part of the bow.
 - (4) Beginning with a down bow, using the extreme lower part of the bow.
- (e) Alternating the notes, practice in the complete string cycle as in No. 1. Use full bows.



(f) Use full bows and practice in the complete string cycle as in No. 1.



(g) Use full bows and practice in the complete string cycle as in No. 1.



(h) Use full bows and practice in the complete string cycle as in No. 1.



- (i) Additional bowing exercises to be applied to [1c, 1f, 1g and 1h].
 - (1) Beginning with an up bow, using the extreme upper part of the bow.
 - (2) Beginning with a down bow, using the extreme upper part of the bow.
 - (3) Beginning with an up bow, using the extreme lower part of the bow.
 - (4) Beginning with a down bow, using the extreme lower part of the bow.

2 SPICCATO

Use the upper quarter of the bow and apply this bowing to the five finger patterns.

- (a) Practice exercise (No. 1) using flying spiccato at the point of the bow. The sound produced should be crisp and clear.
 - (1) Begin with an up bow.
 - (2) Begin with a down bow.
- (b) Practice 1a, 1b, and 1c, using flying spiccato at the point of the bow.
 - (1) Begin with an up bow.
 - (2) Begin with a down bow.
- (c) Practice re, 1f, 1g and 1h, using flying spiccato at the point of the bow.
 - (1) Begin with an up bow.
 - (2) Begin with a down bow.

SECTION THREE

TONAL PATTERNS

Preparation for Artificial Harmonics of a 4th.











Practise the preceding 5 tonal patterns (No.1) using the following rhythmic and finger variants.











- (2) Use (1-3) fingering as in example a 1.
- (3) Use (2-4) fingering as in example & 2.
- (4) Use (1-3)(2-4) fingering as in example **a** 3.



- (2) Use (1-3) fingering as in example & 1.
- (3) Use (2-4) fingering as in example & 2.
- (4) Use (1-3)(2-4) fingering as in example a 3.



- (2) Use (1-3) fingering as in example a 1.
- (3) Use (2-4) fingering as in example & 2.
- (4) Use (1-3)(2-4) fingering as in example **a** 3.



- (2) Use (1-3) fingering as in example & 1.
- (3) Use (2-4) fingering as in example a 2.
- (4) Use (1-3)(2-4) fingering as in example **a** 3.



- (2) Use (1-3) fingering as in example ${\bf a}$ 1.
- (3) Use (2-4) fingering as in example & 2.
- (4) Use (1-3)(2-4) fingering as in example **8** 3.



- (2) Use (1-3) fingering as in example a 1.
- (3) Use (2-4) fingering as in example & 2.
- (4) Use (1-3)(2-4) fingering as in example **a** 3.

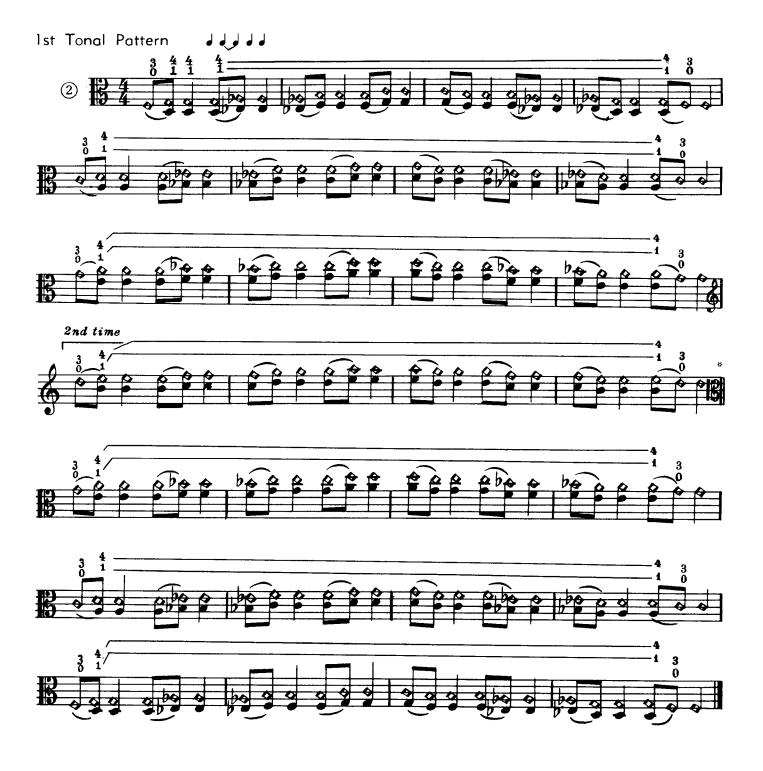


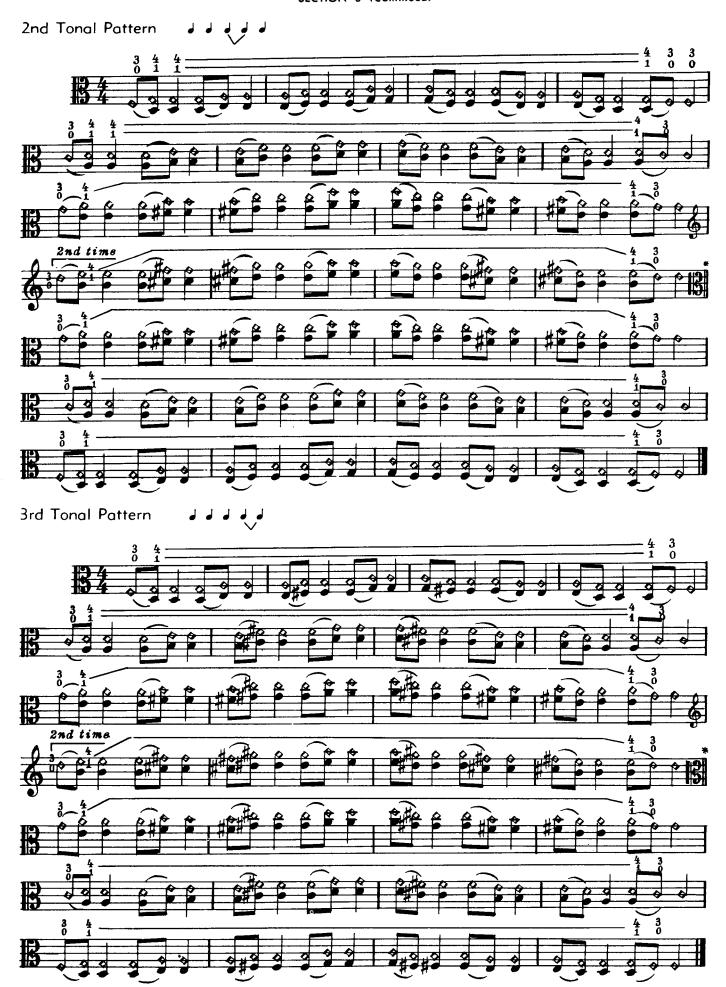
- (2) Use (1-3) fingering as in example & 1.
- (3) Use (2-4) fingering as in example & 2.
- (4) Use (1-3)(2-4) fingering as in example a 3.



- (2) Use (1-3) fingering as in example & 1.
- (3) Use (2-4) fingering as in example & 2.
- (4) Use (1-3)(2-4) fingering as in example a 3.

Seven Variants of the Tonal Patterns in Artificial Harmonics (4th)







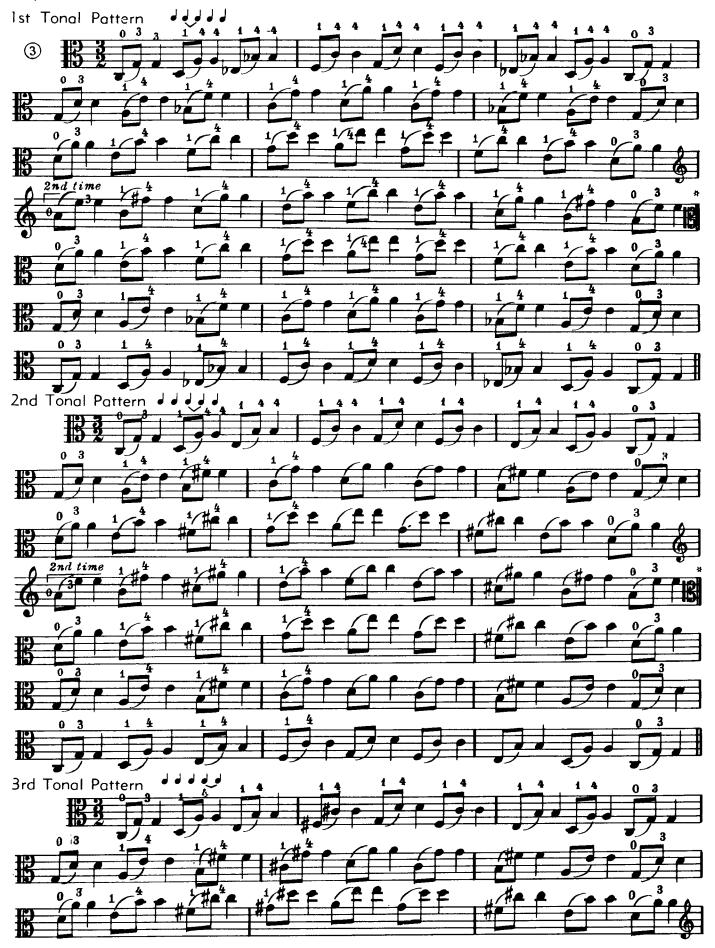
SECTION 3 (Continued)

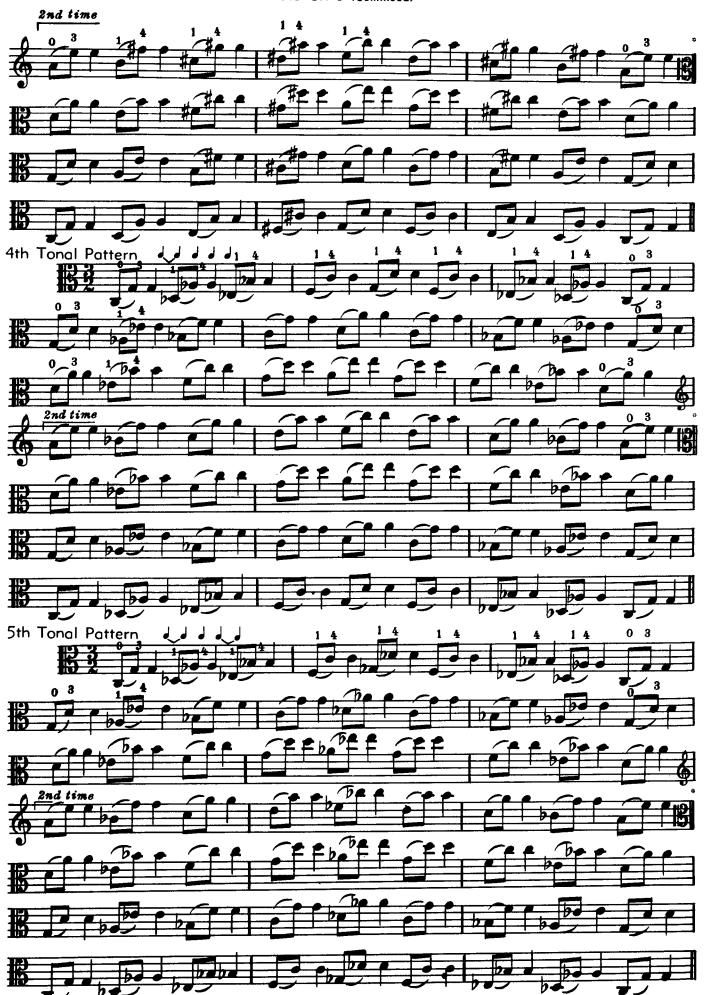
Practice the preceding five tonal patterns (No. 2) using the following rhythmic and finger variants.



ARTIFICIAL HARMONICS (5th)

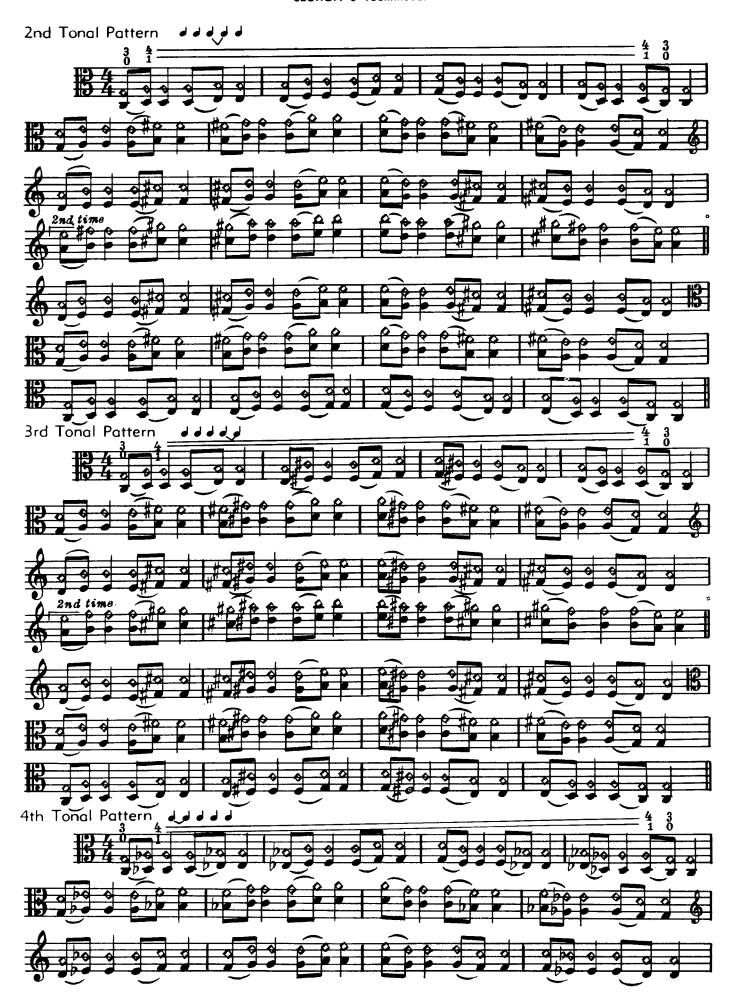
Preparation for Artificial Harmonics of a 5th

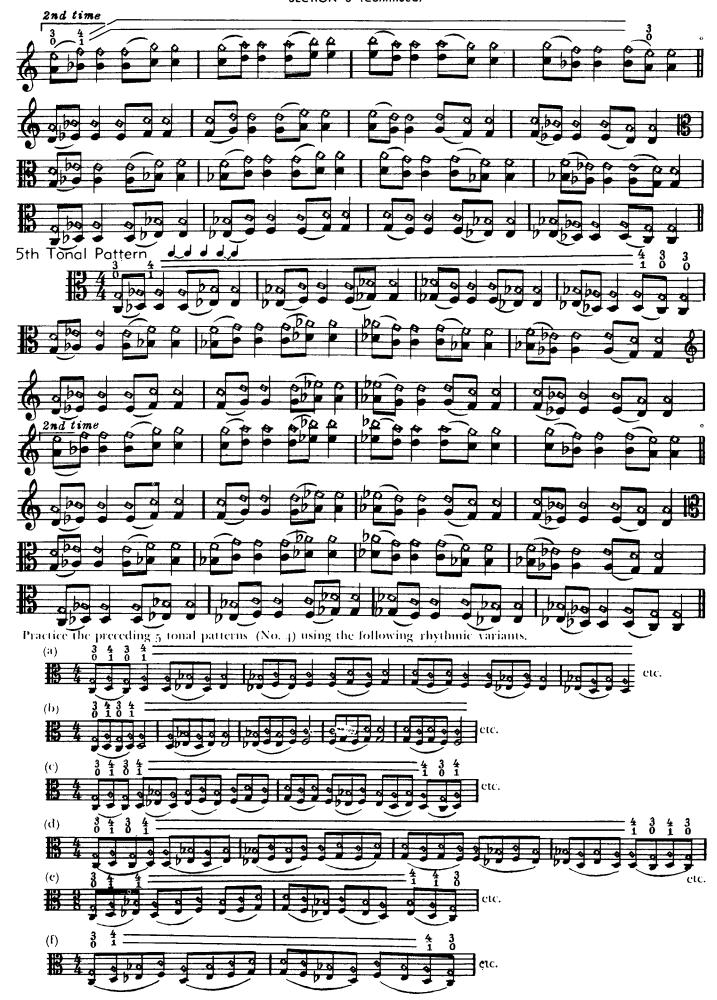




Practice the preceding 5 tonal patterns (No. 3) using the following rhythmic variants.

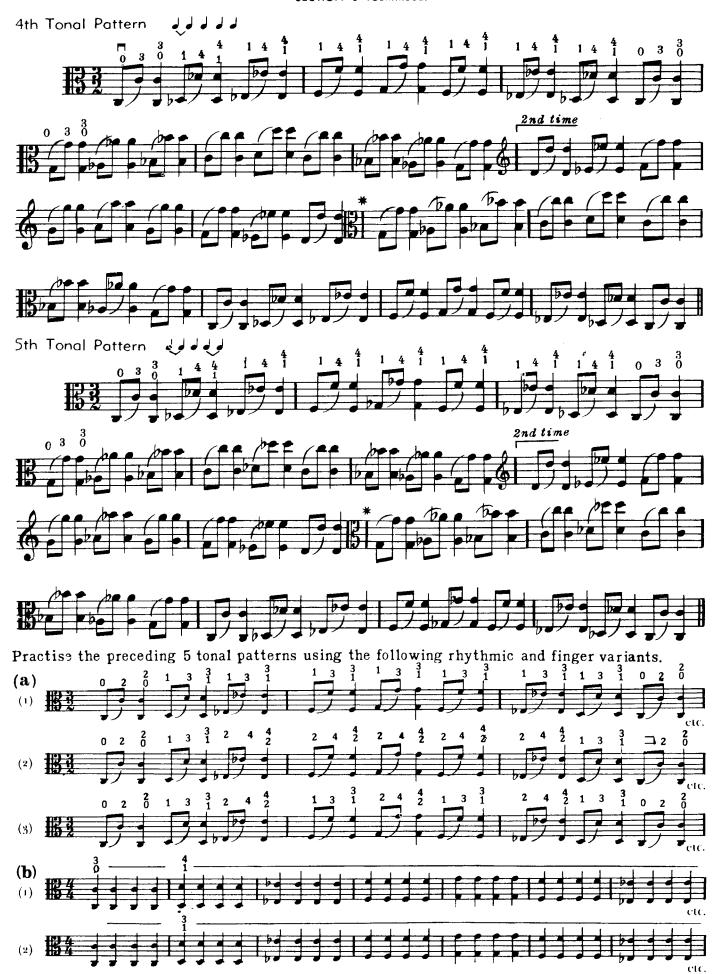


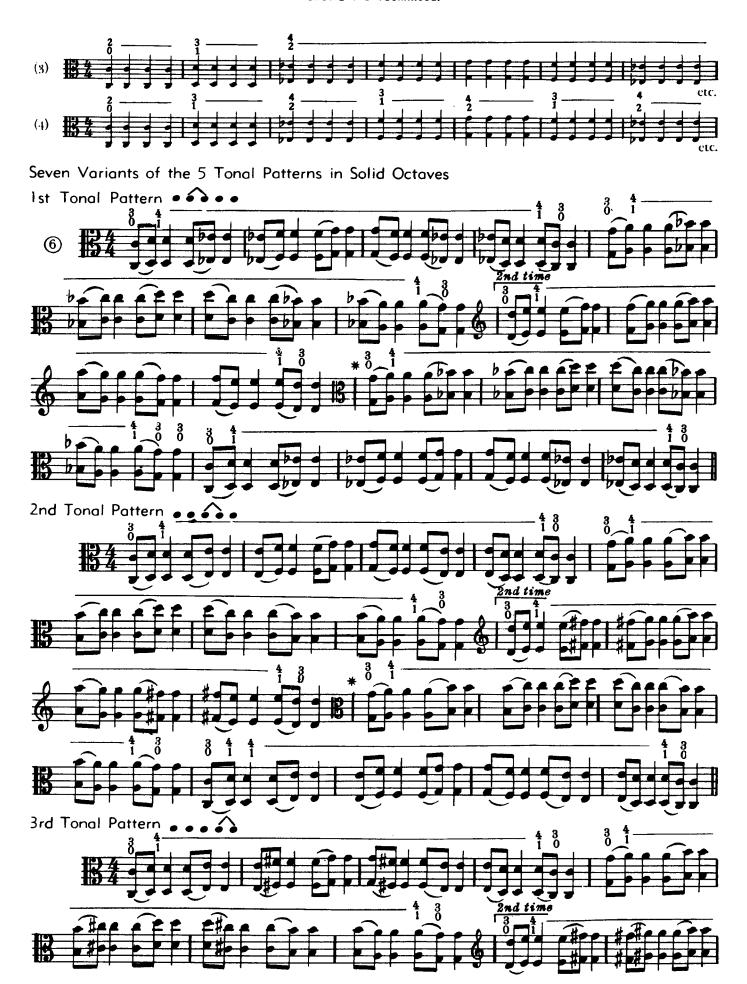




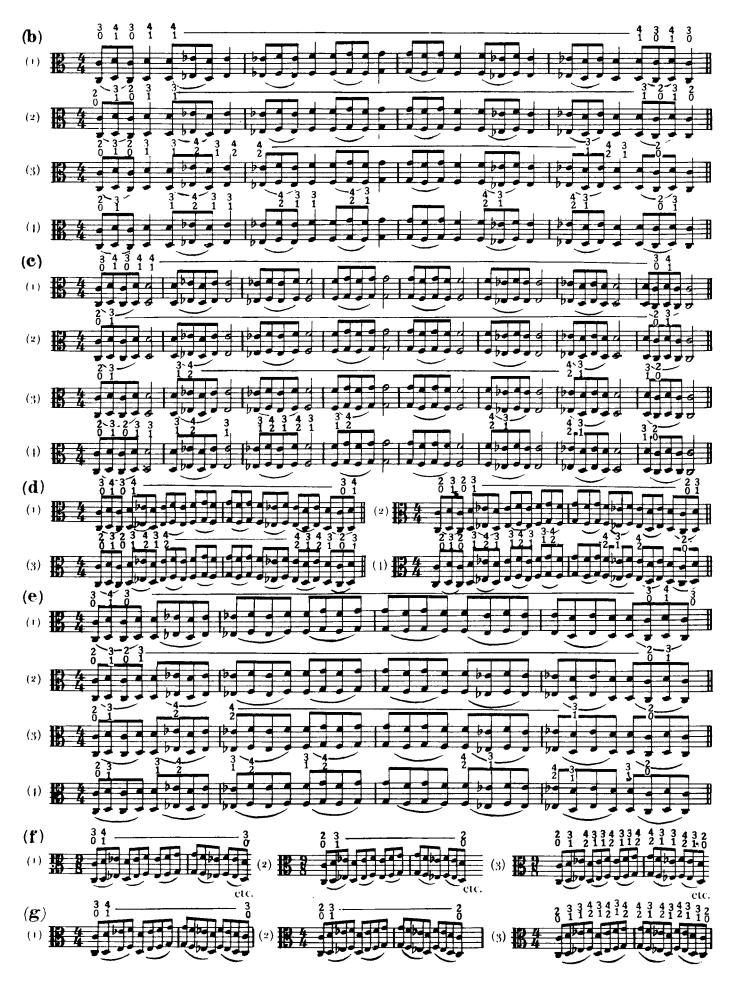
OCTAVES





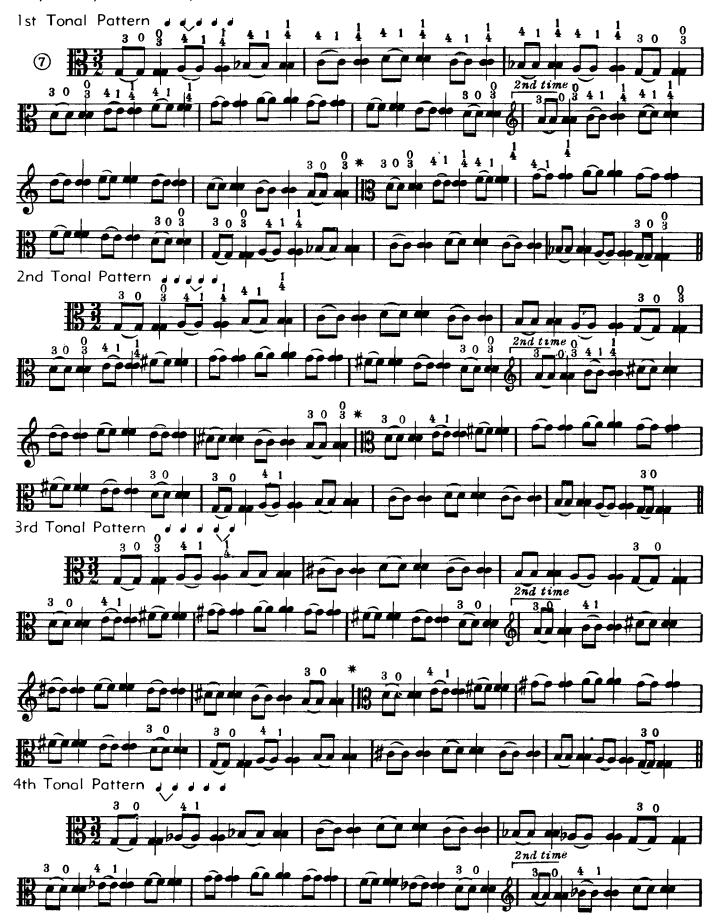


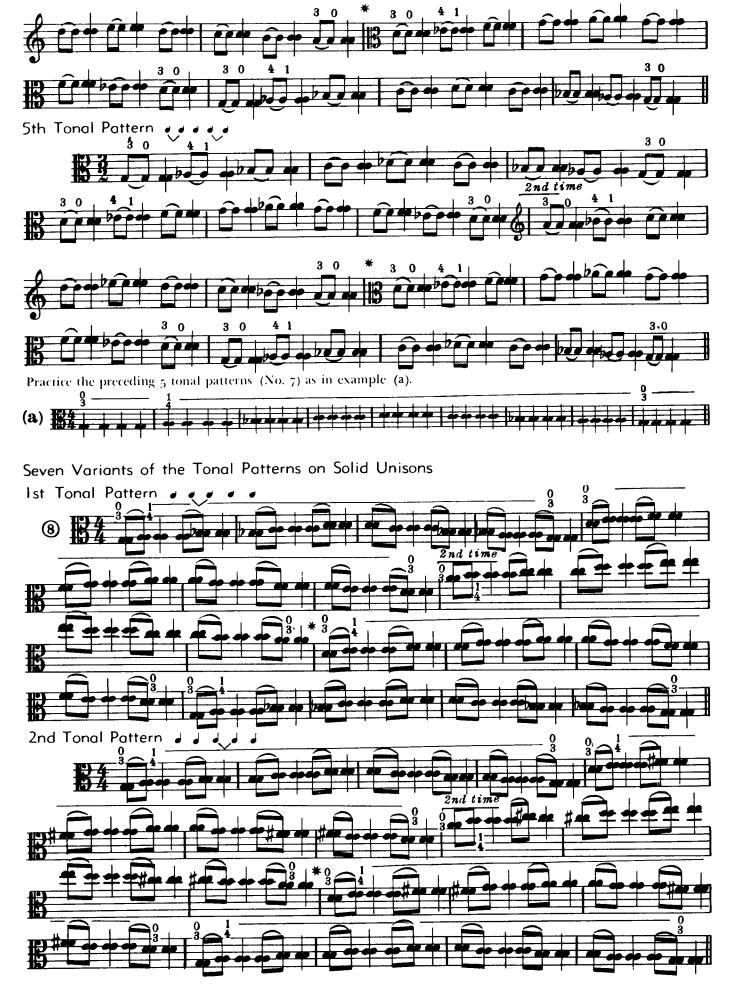


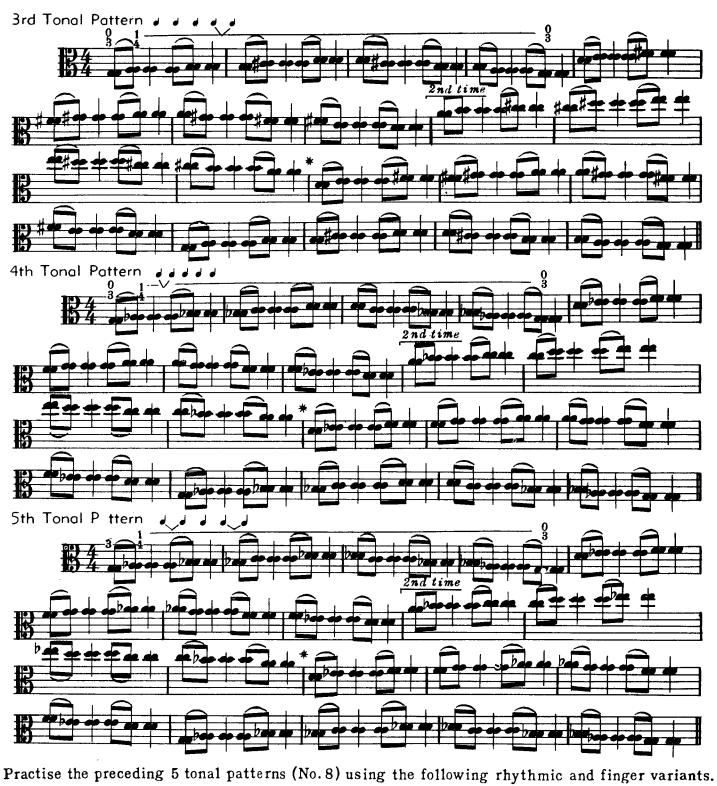


UNISONS

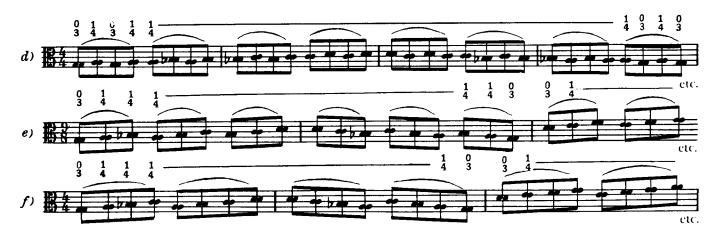
Preparatory Double Stops in Unisons











SECTION FOUR

SCALES AND BROKEN CHORDS

Broken Chords





The following exercises (5, 6, 7, 8, 9 and 10) are to be practiced in the complete string cycle as shown in No. 4.



One String, One Finger Major Arpeggios in String Cycle Form



The following exercises (No . 12, 13, 14, 15, 16 and 17) are to be practiced in complete string cycle form as shown in figure No. 11

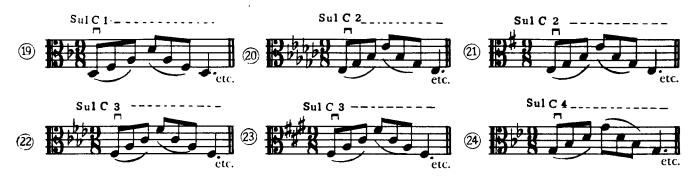


SECTION 4 (Continued)

One String, One Finger Minor Arpeggios in String Cycle Form



The following exercises (19, 20, 21, 22, 23 and 24) are to be practiced in complete string cycle form as shown in No. 18.



One String, One Finger 7th Chords in String Cycle Form



The following exercises (26, 27, 28, 29, 30 and 31) are to be practiced in complete string cycle form as shown in No. 25.



One Finger Major Scale and Broken Chords in String Cycle Form



SECTION 4 (Continued)

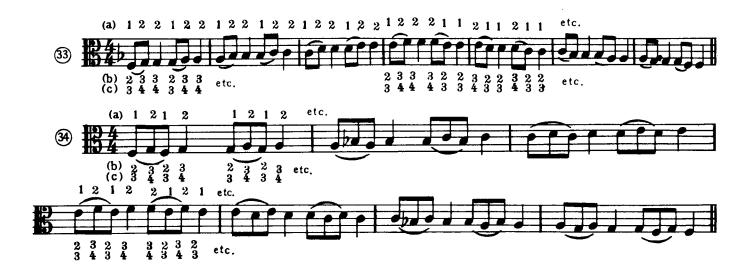


- (a) Using the 1st finger, practice the scales of (D, A, E, B, E, A, D) in consecutive order (as in the string cycle No. 32).

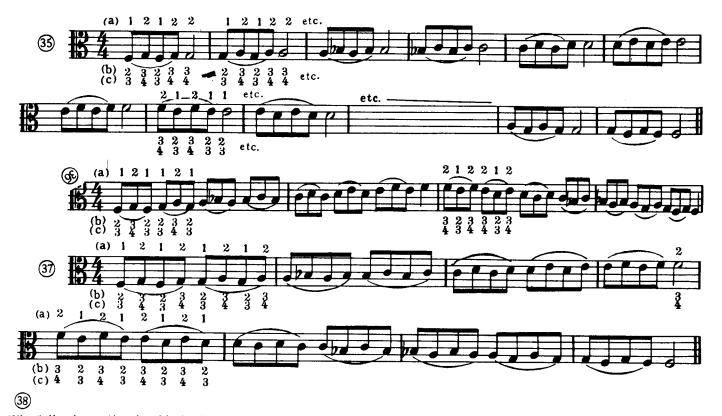
 When practicing one finger scales with the 2nd, 3rd or 4th finger be sure that the first finger is down on the string at all times.
- (b) Using the 2nd finger, practice the scales of (Eb, Bb, F, C, F, Bb, Eb) in consecutive order (as in No. 32).
- (c) Using the 2nd finger, practice the scales of (E, B, F#, C#, F#, B, E) in consecutive order (as in No. 32).
- (d) Using the 3rd finger, practice the scales of (F, C, G, D, G, C, F) in consecutive order (as in No. 32).
- (e) Using the 3rd finger, practice the scales of (F#, C#, G#, D#, G#, C#, F#) in consecutive order (as in No. 32).
- (f) Using the 4th finger, practice the scales of (G, D, A, E, A, D, G) in consecutive order (as in No. 32).

Preparation for Fingered Scales

(a) (1-2) To be practised on all Strings in the Complete String Cycle using the following fingering (b) (2-3) (c) (3-4)



SECTION 4 (Continued)



The following scales should also be practiced in the complete Cycle Form using the rhythmic variants as outlined in

Nos. 33, 34, 35, 36, and 37. Scale of D_b scale of D_b using (1-2) fingering. Scale of E_b using (1-2) fingering. Scale of E_b using (2-3) fingering.

FINGERED SCALES

Major Scales in String Cycle Form



Minor Arpeggios in String Cycle Form



To be practiced on one string in the regular string sequence (as in No. 18).

Major Arpeggios in String Cycle Form



To be practiced on one string in the regular string sequence (as in No. 11).

Seventh Chord in String Cycle Form



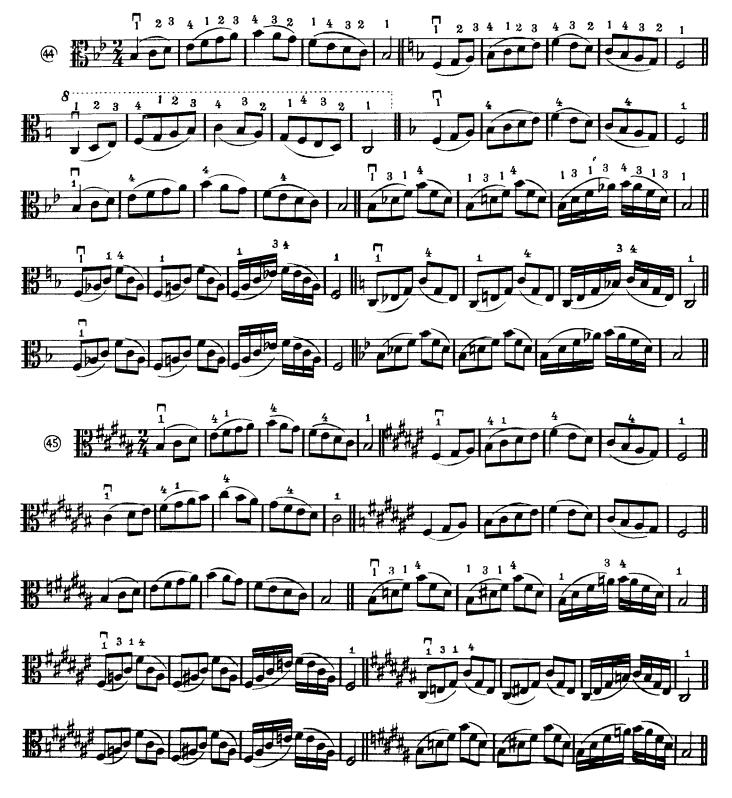
To be practiced on one string in the regular string sequence (as in No. 25).

SECTION 4 (Continued)

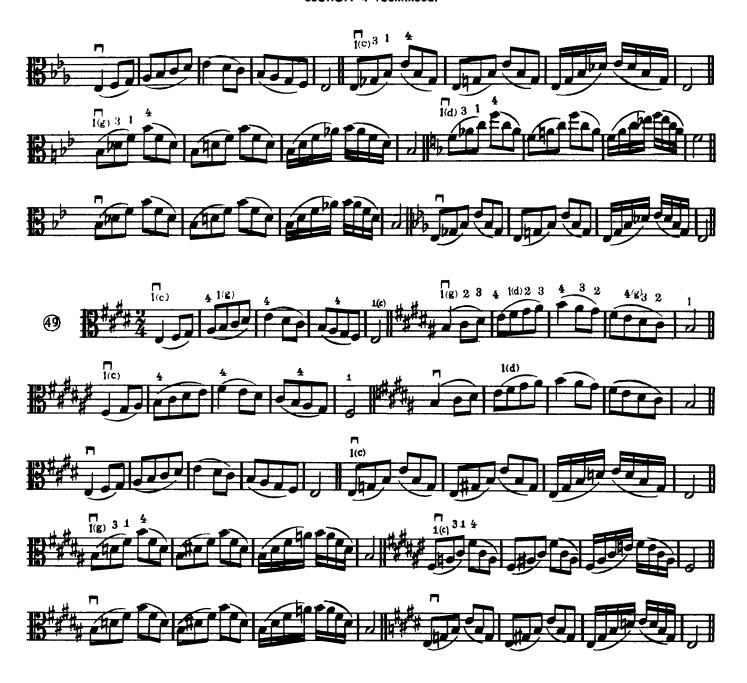


This progression should be practiced on one string in the regular string sequence (as in No. 32).

SCALES IN POSITIONS

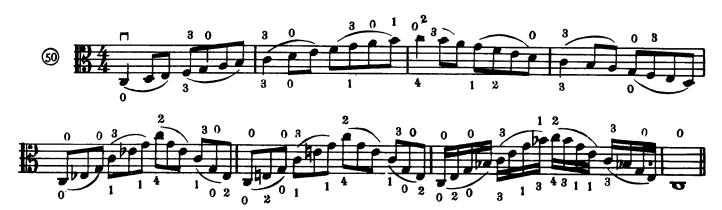






TWO OCTAVE SCALES

Practice both sets of fingering.



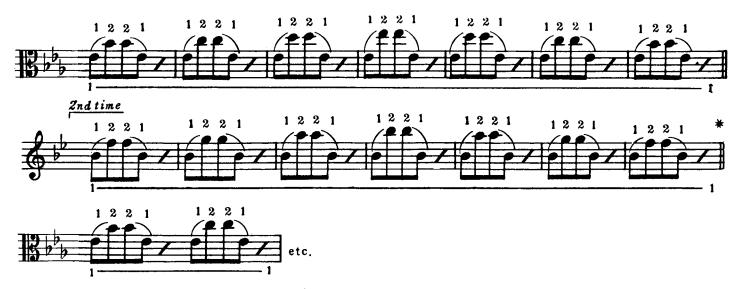


SECTION FIVE

POSITION SHIFTS

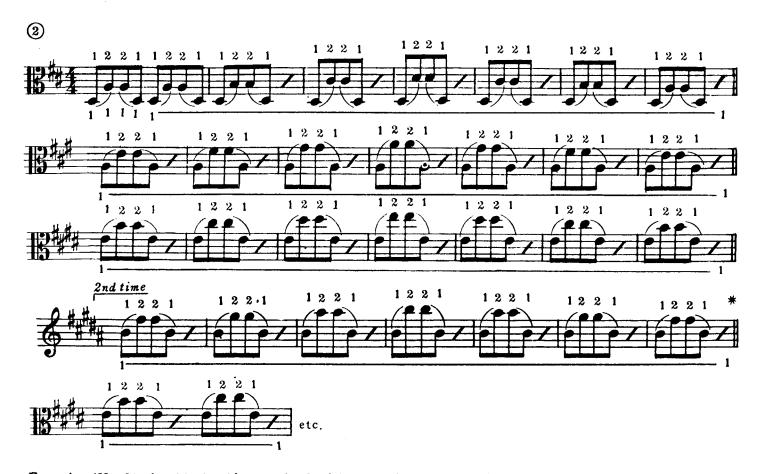
Changing Positions in Single Notes Using the Principle of the Adjacent Finger Shift





Apply (1-3) fingering as shown in example (a) to No. 1.



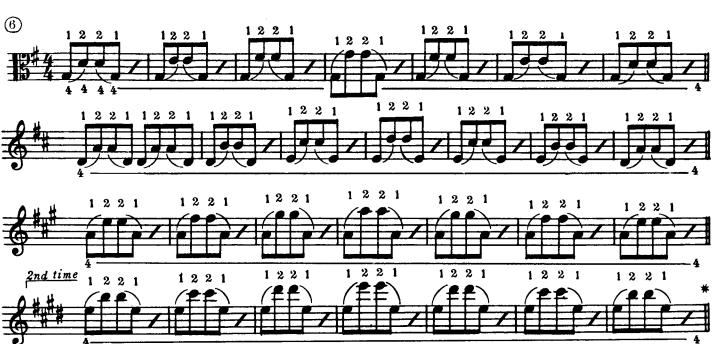


Exercise (No. 2) should also be practised with the following fingering.





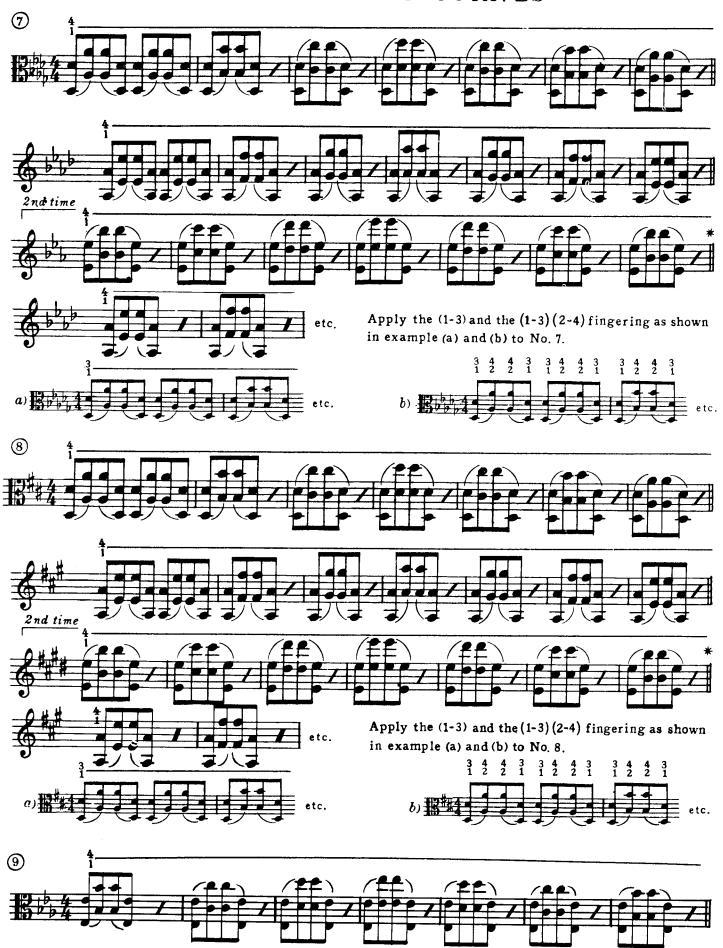


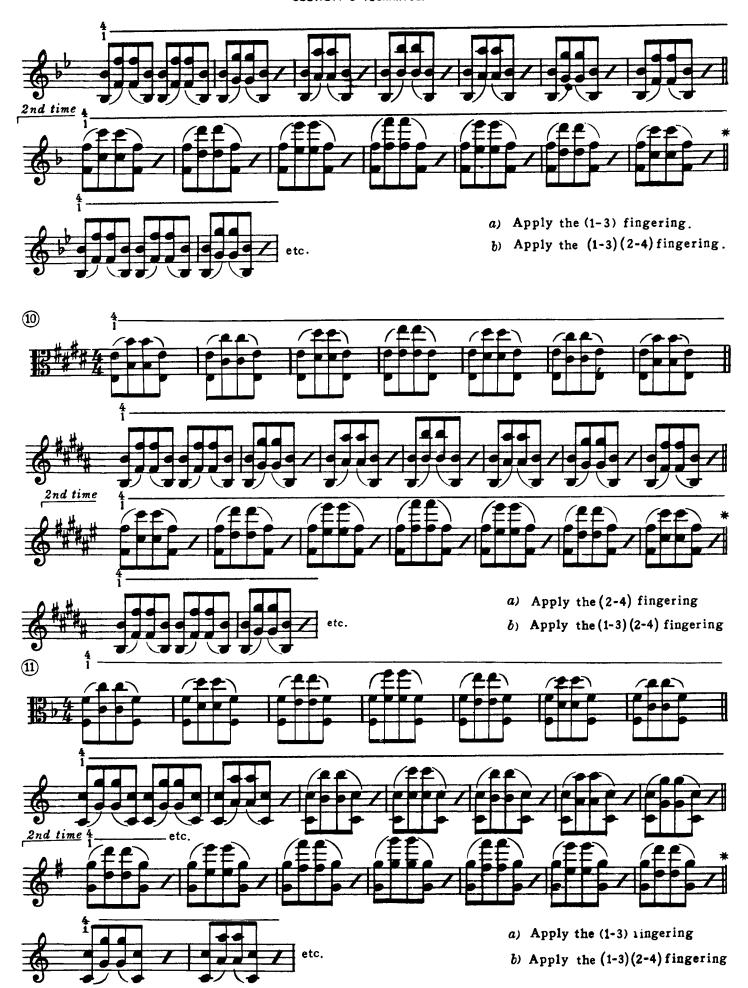


Apply the (1-3) and the (2-3) fingering as shown in example (a) and (b) to No.6.



CHANGING POSITIONS IN OCTAVES





SECTION 5 (Continued)

CHANGING POSITIONS IN ARTIFICIAL HARMONICS



SECTION SIX

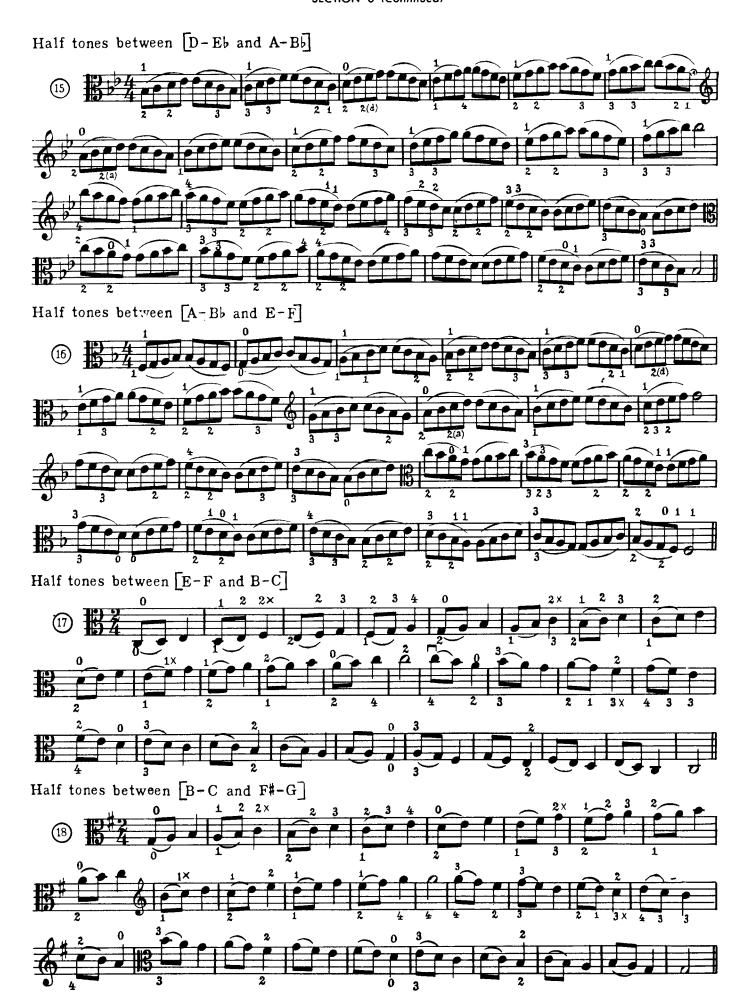
FIGURES IN VARIOUS POSITIONS



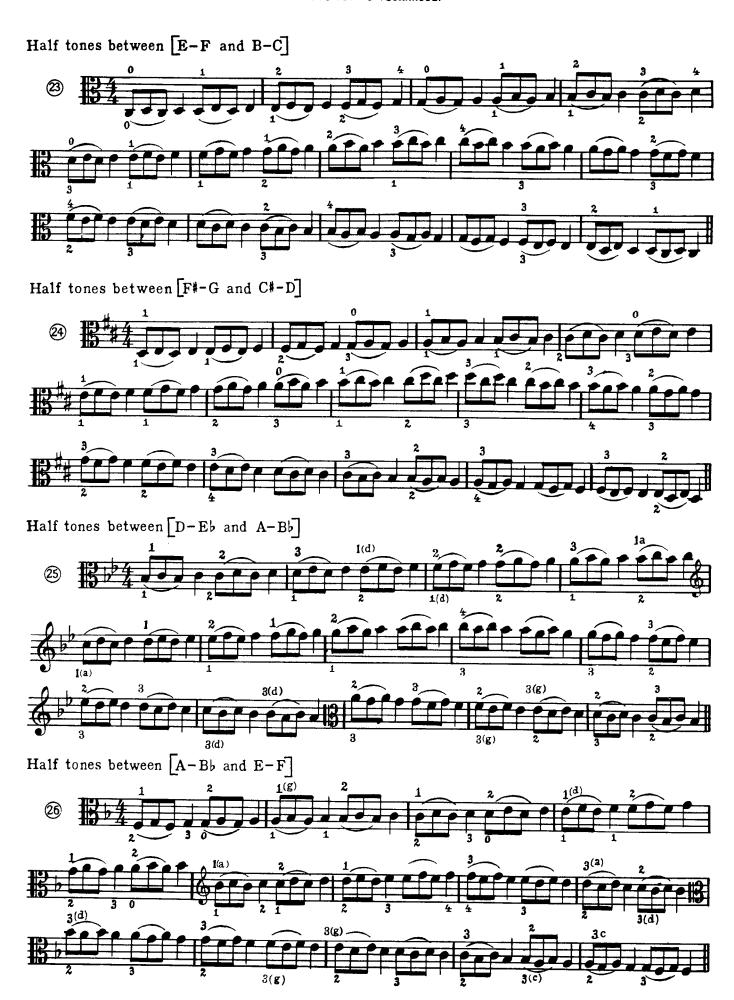


Half tones between [E-F and B-C] 9 Half tones between [D-Eb and A-Bb] Half tones between [C#-D and G#-A]

Half tones between [C-Db and G-Ab] Half tones between $\begin{bmatrix} B-C \text{ and } F \# -G \end{bmatrix}$ Half tones between $\begin{bmatrix} E-F \text{ and } B-C \end{bmatrix}$



The sign x indicates a lower or a higher finger extension Half tones between [C-Db and G-Ab] with no change of hand position. Half tones between [G-Ab and D-Eb] Half tones between D-Eb and A-Bb Half tones between [A-Bb and E-F]



Half tones between [C-Db and G-Ab]Half tones between [D-Eb and A-Bb]Half tones between $[C\sharp -D$ and $G\sharp -A]$

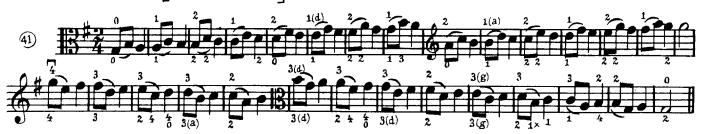
Half tones between [A-Bb and E-F]

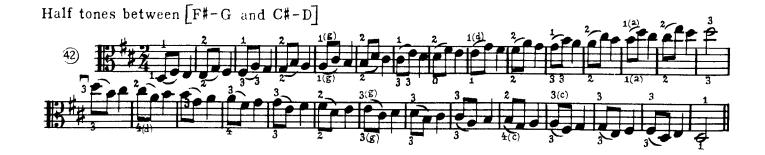


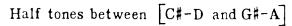




Half tones between [B-C and F#-G]

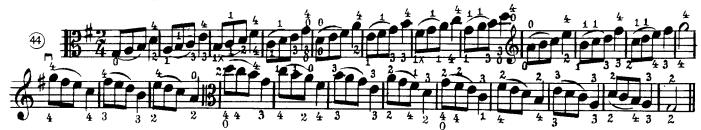








Half tones between [B-C and F#-G]

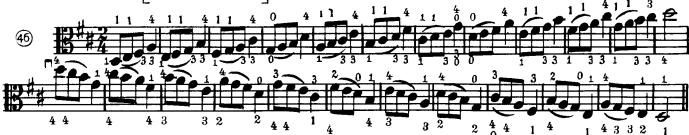


Half tones between [C#-D and G#-A]

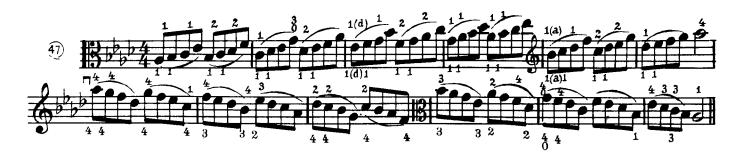


SECTION 6 (Continued)

Half tones between [F#-G and C#-D]



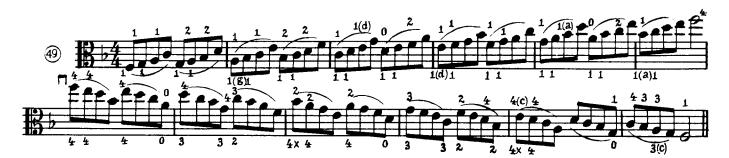
Half tones between [C-Db] and G-Ab



Half tones between $\begin{bmatrix} G-\Lambda \\ \end{bmatrix}$ and $D-Eb \end{bmatrix}$



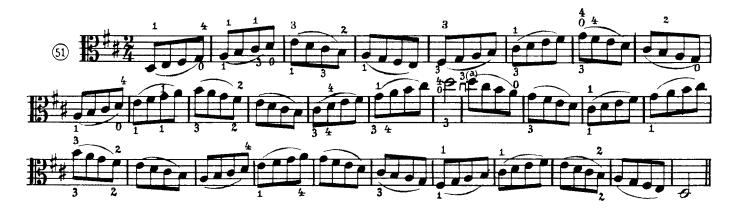
Half tones between [A-Bb] and E-F



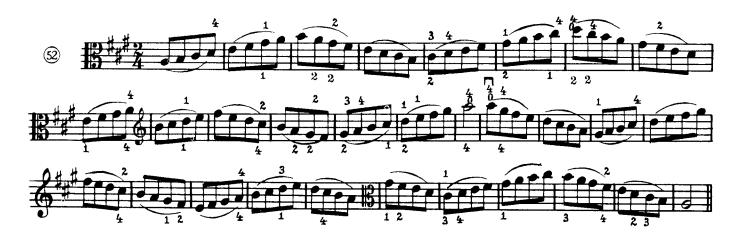
Half tones between [B-C and F#-G]



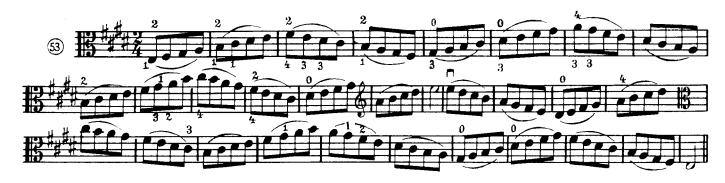
Half tones between [F#-G and C#-D]



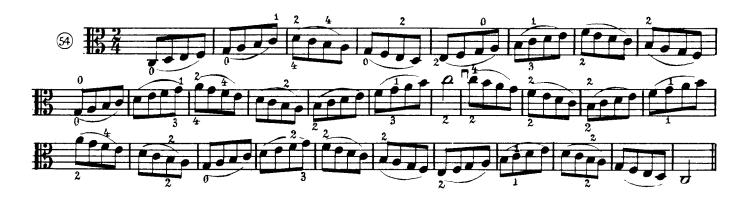
Half tones between [C#-D and G#-A]



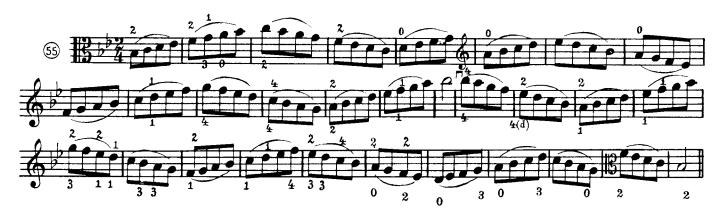
Half tones between [G#-A and D#-E]



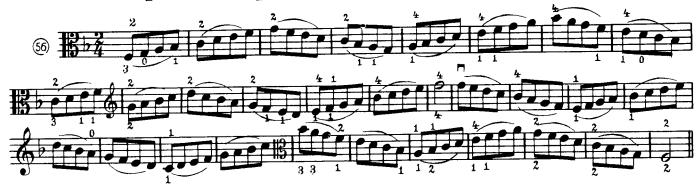
Half tones between [E-F and B-C]



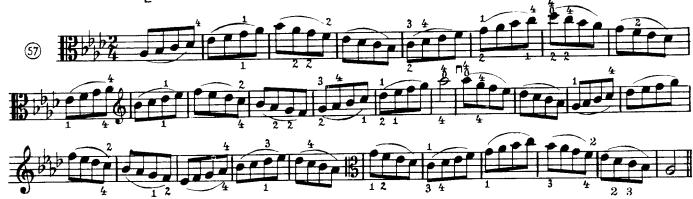
Half tones between [D-Eb and A-Bb]



Half tones between [A-Bb and E-F]



Half tones between [C-Db and G-Ab]



Notes

Notes

Visit www.fase.org to check out more books and resources.

Skills, Scales, and Studies

Bornoff's Finger Patterns (Violin, Viola, Cello, Bass)

Book One for skill development – a complete work to develop tone and intonation through use of the open string cycle, finger patterns, bowing and rhythmic variations, and one-finger shifting.

Patterns in Position (Violin, Viola, Cello, Bass)

Book Two for skill development - intensive use of double stops, harmonics, adjacent finger shifting, scales, arpeggios, and rhythmic figures in several positions and different keys.

Pure Technique - Books 1 and 2 (Violin, Viola, Cello)

Two-octave (Book 1), and three-octave (Book 2) major and minor scales and arpeggios presented with detaché and slurring variations.

Techno-Melodic Studies (Violin, Viola)

A collection of Bornoff's favorite études set in several keys to require the use of varied finger patterns. Advanced beginner to intermediate level.

Tonal Patterns in Melody Books 1 and 2 (Violin, Viola, Cello)

The skills developed in *Patterns in Position* are applied to short solo repertoire. The technical basis for artistic playing is established through emphasis on upper positions, foundational and adjacent finger shifting, extensions, contractions, harmonics and octaves.

Repertoire

Fun For Fiddle Fingers (Violin, Viola, Cello, Bass)

Companion repertoire to Finger Patterns, melodies are arranged in a variety of keys and meters. Written primarily in first position for violin and viola, the book uses the first four positions for cello and the first three positions for bass.

Fiddlers' Holiday (Violin, Viola, Cello, Bass) and Violin Sings (Violin, Viola, Cello, Bass)

Supplementary solo books –advanced beginner for violin and viola, intermediate to advanced for cello and bass.

Viva la Viola, Ten Melodies for the Young Cellist, and Cello Enchanté

Supplementary solo books for intermediate to advanced viola and cello.

Adventures in Strings

Seventeen selections scored for advanced beginner through intermediate string orchestra.

Tune and Pattern Accompaniments

String orchestra accompaniments for selections from Finger Patterns, Fun for Fiddle Fingers, Violin Sings, and Fiddler's Holiday.

"How-To" Series

The Bornoff Approach – A Primer

How to Use Bornoff's Violin Sings and Fiddler's Holiday

Bornoff - Breakthrough for String Education

Part biography and part "how to," this text includes a wealth of information about George Bornoff and his methodology.



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