Technical Exercises for the Double Bass

by Jeff Bradetich

Slow Scales

Goals- Establish a good quality of sound. Find the optimum resonant point of bow placement on the string.

- Draw bow straight across the string, parallel to bridge.

- Develop consistent sound from frog to tip of bow by keeping bow on the same place on the string from frog to tip. Don't allow bow to float up and down string.

- Develop greater sustaining ability; practice bowing closer to the bridge

- Develop greater control of vibrato. Vibrate with steady oscillations throughout entire scale. Don't allow vibrato to stop during string crossings and as you prepare to shift.

- Develop greater speed and accuracy; always play with curved fingers of the left hand.

- Practice the same scale for an entire week; practice all keys. Start on F major.

- Work to play all scales three octaves.

• Shifting Drill

Goals- Establish a good quality of sound. Find the optimum resonant point of bow placement on the string.

- Draw bow straight across the string.

- Draw a consistent sound by keeping bow on same spot on the string from frog to tip regardless of where the left hand is playing.

- Start with slow shifts of the left hand. Hear and feel the distance the left hand travels to pinpoint intonation.

- Repeat each shift twice.

- Practice all different finger combinations: 1-1, 1-2, 1-3, 1-4, 2-1, 2-2, 2-3, 2-4, 4-1, 4-2, 4-3, 4-4, As the shifts begin in higher positions, practice the financial 2-1, 2-2, 2-3, 2-4, 4-1, 4-2, 4-1, 4

3, 4-4. As the shifts begin in higher positions, practice the fingering 3-1, 3-2, 3-3, 3-4.

- Practice the same scale for an entire week. Move up one half step each week. Start on A major.

- Start with one octave shifts and work to do two octave shifts on the G string, then apply to other strings.

- Always play with curved fingers of left hand.

- Practice playing closer to bridge.

- Develop greater control of vibrato as described in Slow Scales above. Work on widening vibrato and making oscillations more emphatic and more expressive.

Progressive Scales

Goals- Establish a good quality of sound. Find the optimum resonant point of bow placement on the string.

- Draw bow straight across the string.

- Draw a consistent sound.

- Start with four note patterns, then work on three note patterns, then much later work on 5 note patterns.
- Always start each group of the four note pattern with 1st finger.

- In four note pattern, always shift between 2nd and 3rd notes.

- Practice with at least two repetitions of each pattern.

- Start slow stressing proper mechanics, then work for speed by using less bow.

- Practice with different rhythms and different bowings.

- The goal of the exercise is to develop recognition and speed in playing the most common finger patterns in music.
- Practice the same scale for an entire week. Move up one half step each week. Start on A major. Work on one octave up the G string. Then apply to other strings.

- Substitute 3rd finger for 4th finger on F# on the G string (always!).

Shiftless Scales

Goals- Establish a good quality of sound. Find the optimum resonant point of bow placement on the string.

- Draw bow straight across the string.

- Draw a consistent sound.

- Play entire one octave scale without shifting. In lower positions use: (A string) 2-4, (D string) 1-2-4, (G string) 1-3-4 fingering for E major and F major, etc.

- Rock and roll left hand to reach whole steps between 2-4, dont shift.

- Practice all different bowing patterns, especially hooked and 2 slurred, 2 separate.

- Practice 3, 4, and 5 note progressive scale patterns.

- All scales are movable and should work in most positions and keys.

- Work for speed.

- In thumb position, use the Bb fingering: (A) 1-3, (D) 0-1-3, (G) 0-2-3, and the C major fingering: (A) 2, (D) 0-1-2, (G) 0-1-2-3.

• String Crossing Drill

Goals- Establish a good quality of sound. Find the optimum resonant point of bow placement on the string.

- Draw bow straight across the string.

- Draw a consistent sound.

- Develop smooth and efficient string crossings.

- With French bow, develop use of right hand fingers to do most of the crossing motion, raising and lowering bow from string to string. Use very little arm motion. On German bow, make as little arm motion as possible. When playing one string, move bow as close to the next string as possible before crossing over to it in order to minimize the distance the bow must travel.
- Practice slurred first, then move on to separate bowings.

- Start very slowly, then work for speed.

- Practice one octave always starting with open string.

- Practice drill between G and D strings, then much later move on to other strings.

- To begin, it is easier to practice four note patterns, instead of three, so that the crossing motion is always the same. The primary challenge of the three note pattern is that it reverses the crossing motion every three notes.

Thirds

Goals- Establish a good quality of sound. Find the optimum resonant point of bow placement on the string.

- Draw bow straight across the string.

- Draw a consistent sound.

- Establish finger patterns for major and minor thirds.

- Major thirds should always be played 1-2

- Minor thirds should always be played 1-4, or 1-3 in higher positions.

- 1st finger should always be used on the top string.

- Left hand fingers should always be curved.

- Practice different bowing patterns.

- Practice different rhythm and meter patterns.

- Practice shifting drill when playing double-stopped thirds.

- Start with one octave, then move on to two octaves.

• Intonation/ Replacement Fingerings

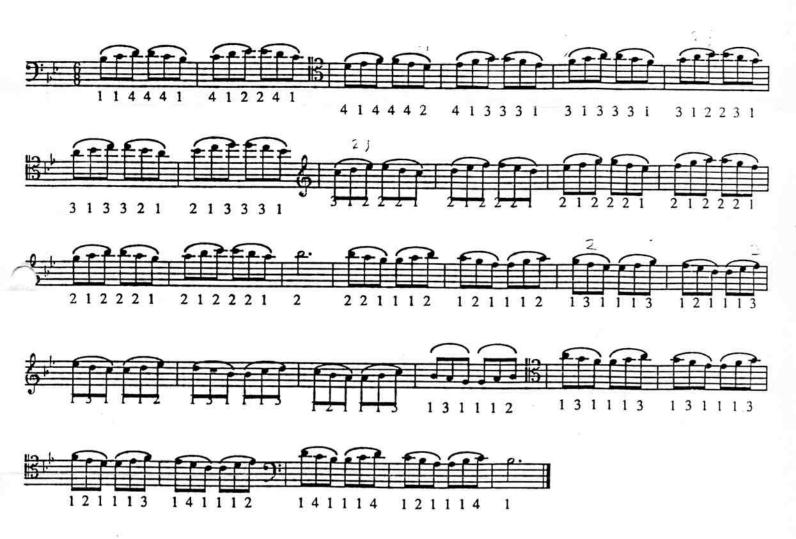
Goals- Establish a good quality of sound. Find the optimum resonant point of bow placement on the string.

- Draw bow straight across the string.

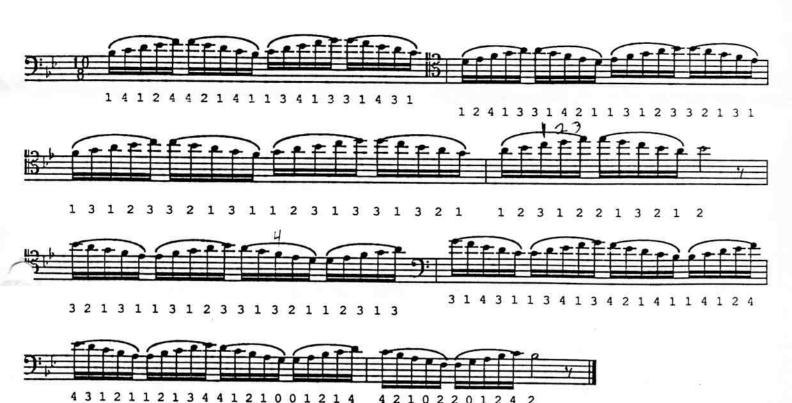
- Draw a consistent sound.

- Play each note twice. The first time, play it with a higher finger (2,3, or 4,) then replace it with 1st finger.
- When replacing the note with a new finger, work to match the pitch exactly. Then work to make the shift smooth and unnoticeable.
- Start on G major on the G string. Then add a drone open D at the same time to give a pitch reference.
- Practice slurring 2, 4 and then 8 notes in a bow.

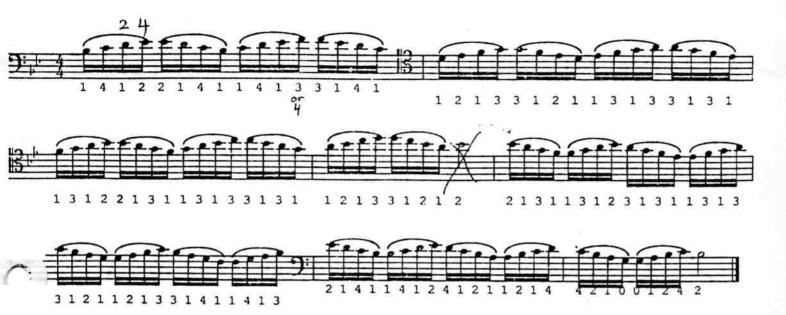
3 Note Finger Pattern Drill



5 Note Finger Pattern Drill



4 Note Finger Pattern Drill



Intonation/Replacement Fingerings



Thirds Drill #1

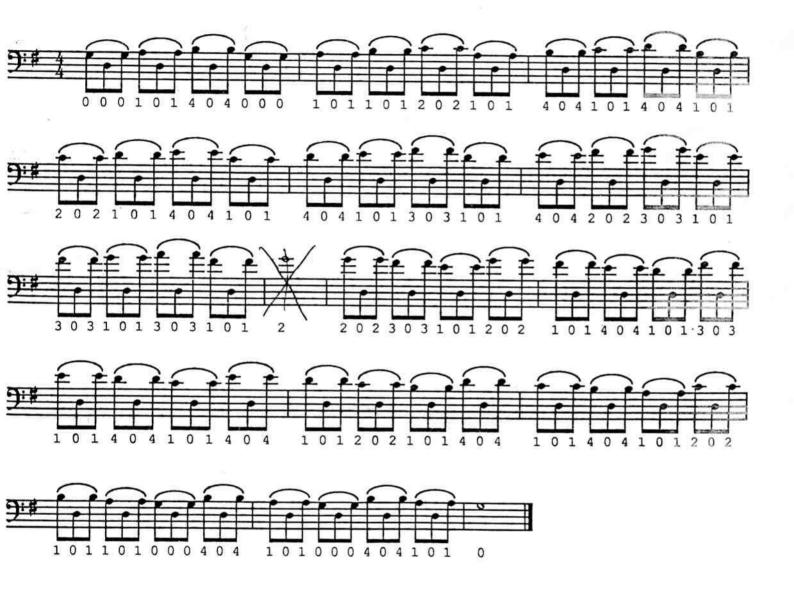
Separate Notes



Shiftless Scale



String Crossing Drill



Rhythms

Four Note Patterns



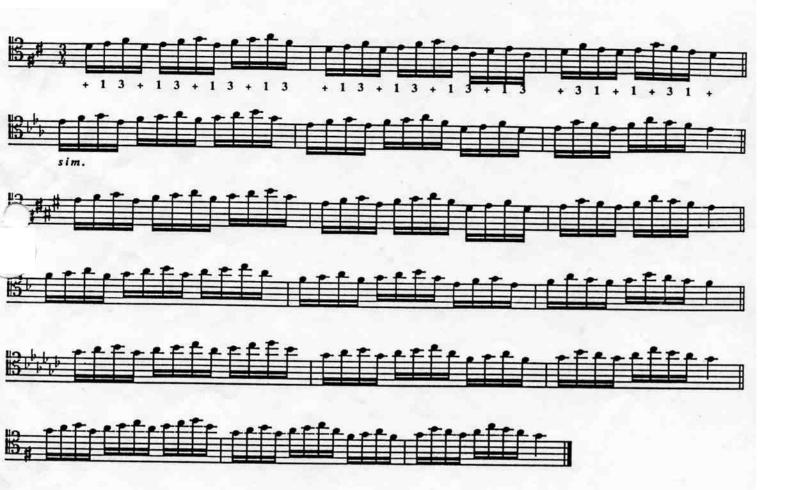




The use of rhythms in practicing is particularly important for the development of speed, efficiency and control. Although the effectiveness of this type of practice can be felt in the short term, the use of rhythms is one of the best ways to improve over the long term. Any and all of these rhythms can be used when practicing any four note pattern. Generally they work best on four or more notes of the same rhythmic value. Variations 1 and 3 are perhaps the most valuable. This same set of principles can be applied to three and five note finger patterns as well.

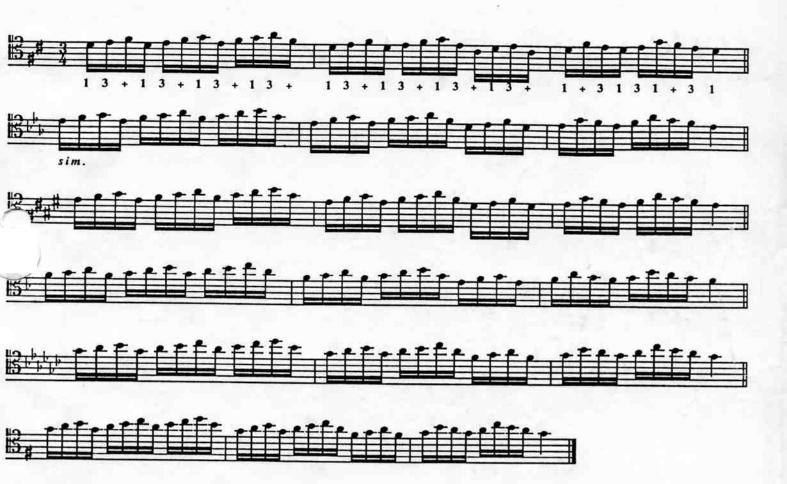
Clark Thumb Drill #1

Fingering I



Clark Thumb Drill

Fingering II



Clark Thumb Drill #1

Fingering III

