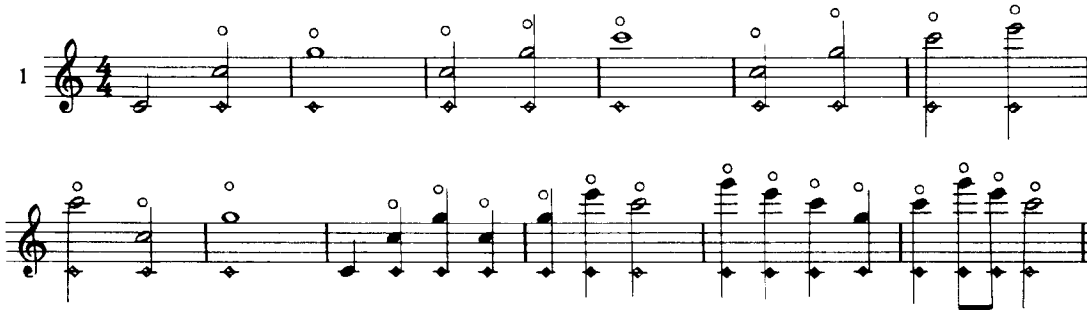


## HARMONICS

Harmonics, or overtones are the ingredients in sound which give the basic or 'fundamental' tone its colour and character. For the young player, the low and high registers are both difficult but let it be understood that unless the low register tone contains overtones or some richness and colour, the middle and high registers will be the more difficult. Some practice first on overtones will be advantageous.

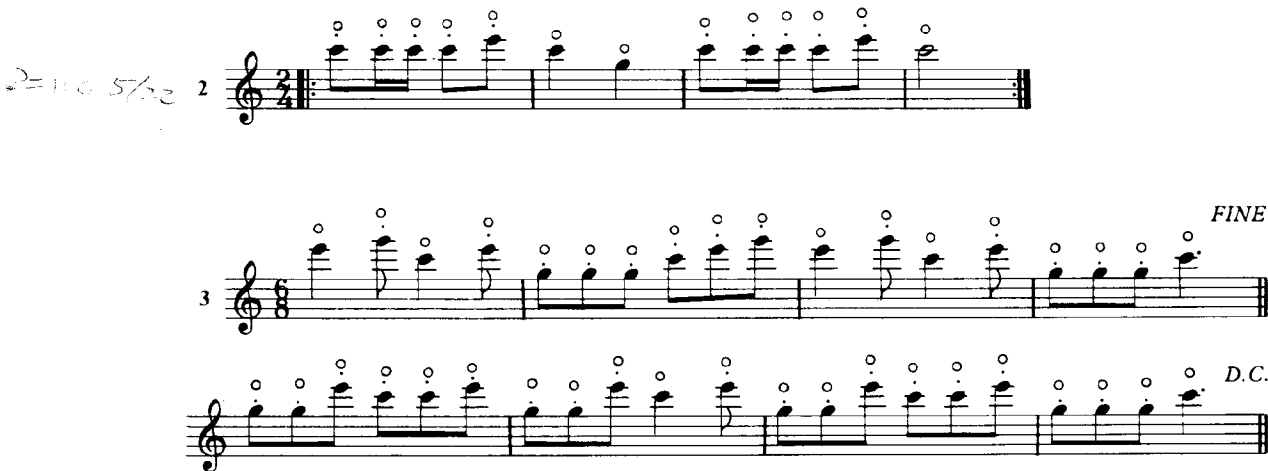


Ex. 1: Learn to place the notes exactly without them splitting. This is very beneficial.



Then try some bugle calls.

$\text{♩} = 100 - 120$



Repeat the three exercises above, fingering (a) low C sharp (b) low D natural (c) low E flat. Notice the increase in air speed required for the higher overtones