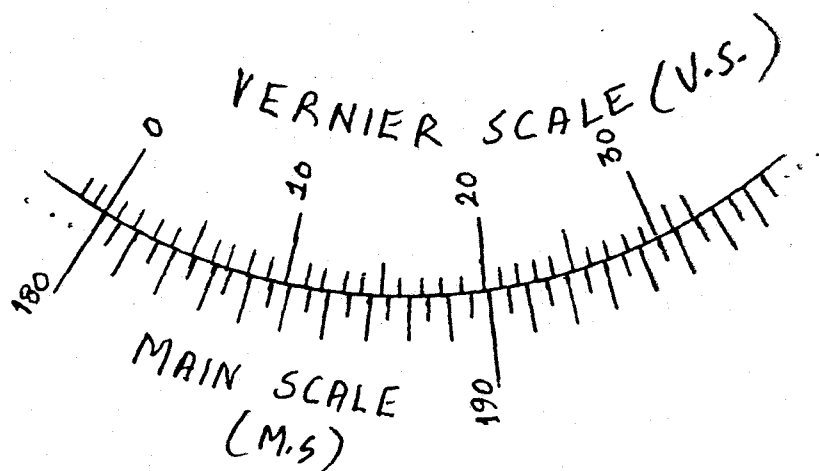


# USE OF THE SCALE ON THE SPECTROMETER:

## EXAMPLE

### ZERO POSITION:

VERNIER SCALE '0'  
COINCIDES WITH  
MAIN SCALE '180°'  
[ALSO V.S. 30' COIN-  
CIDES WITH M.S. 194.5°  
ie 194° 30' ( $1^\circ = 60'$ ) ]



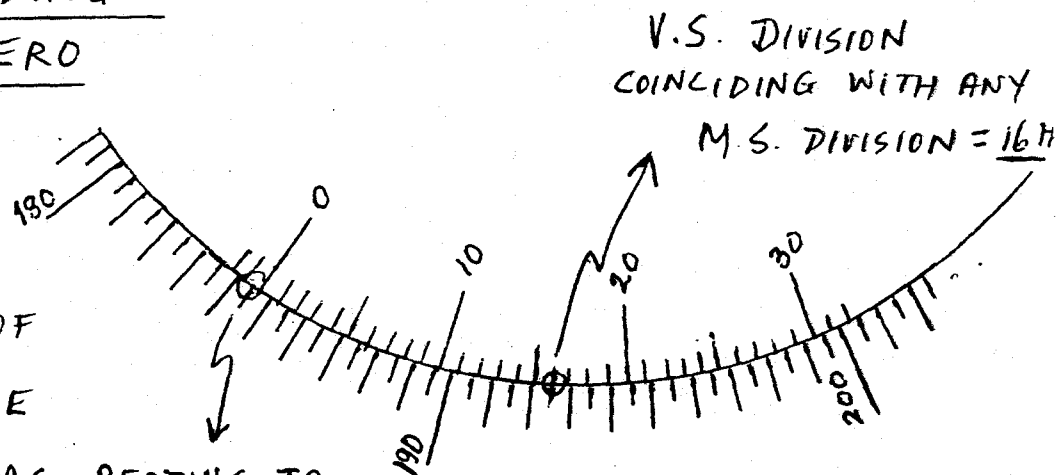
### TO TAKE A READING OTHER THAN ZERO

#### STEPS:

1. READ M.S.

READING TO  
IMMEDIATE LEFT OF  
V.S. '0' (IN EXAMPLE  
HERE ITS 184° 30')

M.S. READING TO  
IMMEDIATE LEFT OF VERNIER ZERO =  $184 \frac{1}{2}^\circ$



2. RECORD WHICH V.S.

= 184° 30'

DIVISION COINCIDES WITH ANY M.S. DIVISION ie 4th OR 5th  
etc... (IN EXAMPLE HERE ITS 16th)

3. FINAL READING = M.S. READING +  $1' \times \# \text{ OF V.S.D COINCIDING}$

IN EXAMPLE: FINAL READING = 184° 30' + 16'

= 184° 46'