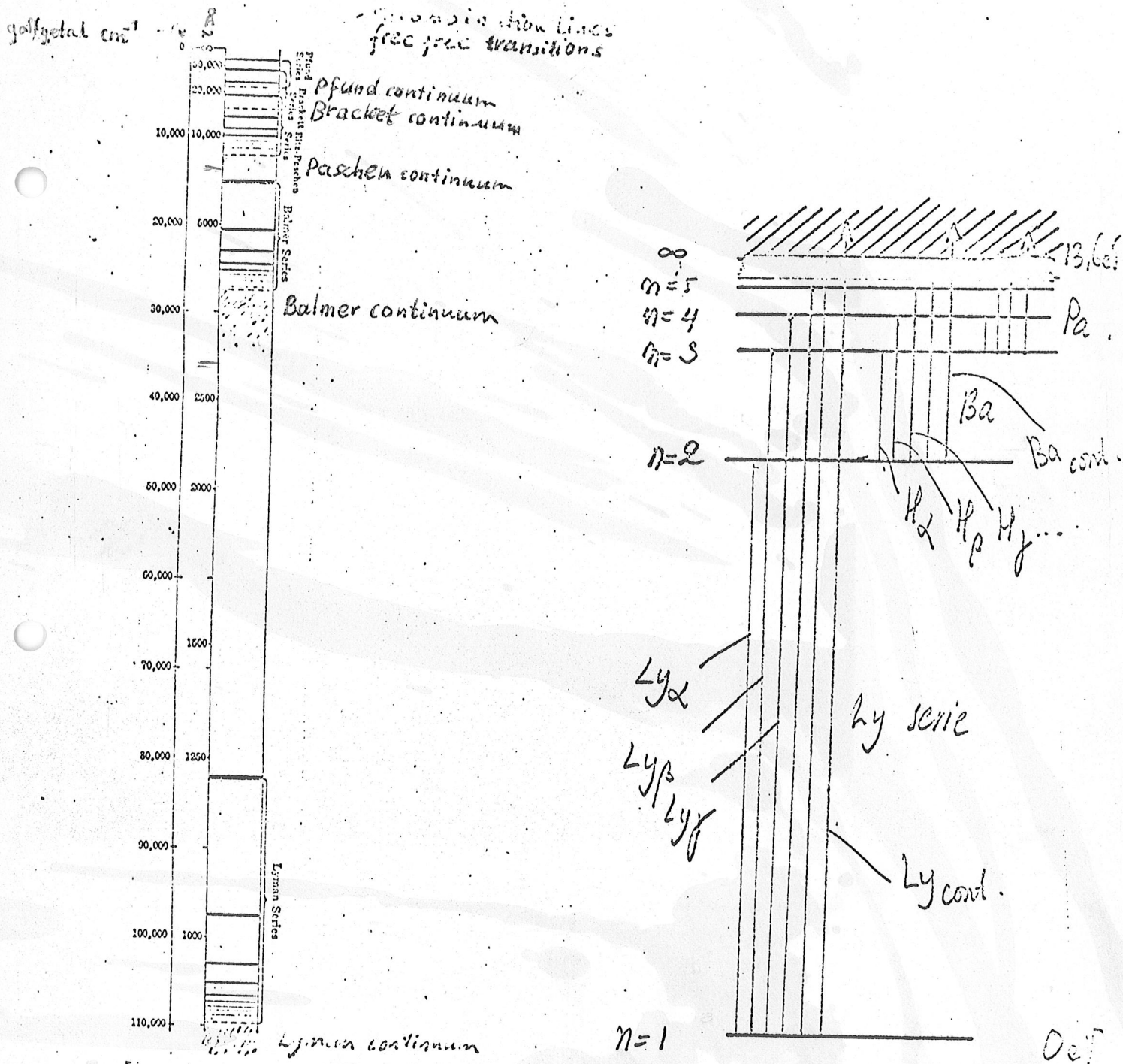


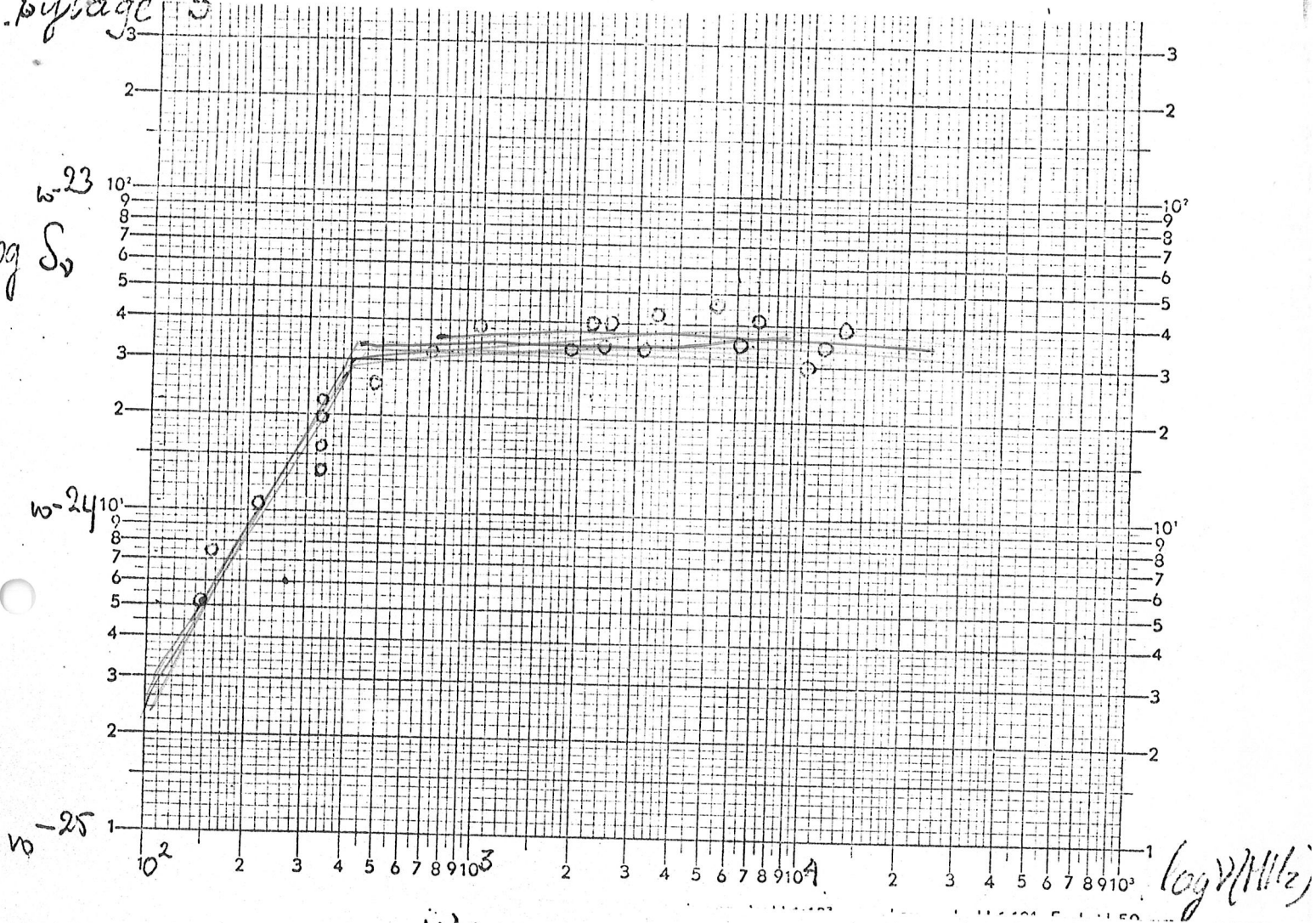
11<sup>te</sup> gebied  
 bylage 2

100 x



Het waterstof spectrum - schema

bijlage 3



Waargenomen radiospectrum

Uit: Terzian, Y., Interstellar ionized hydrogen, 1968, Benjamin Inc., New York, pg 482

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57  
12  
---  
114  
570  
---  
684

6,8150 1374  
26

$\alpha = 05^h 33^m 50^s$   
 $\delta = -05^\circ 25'$

(1950)

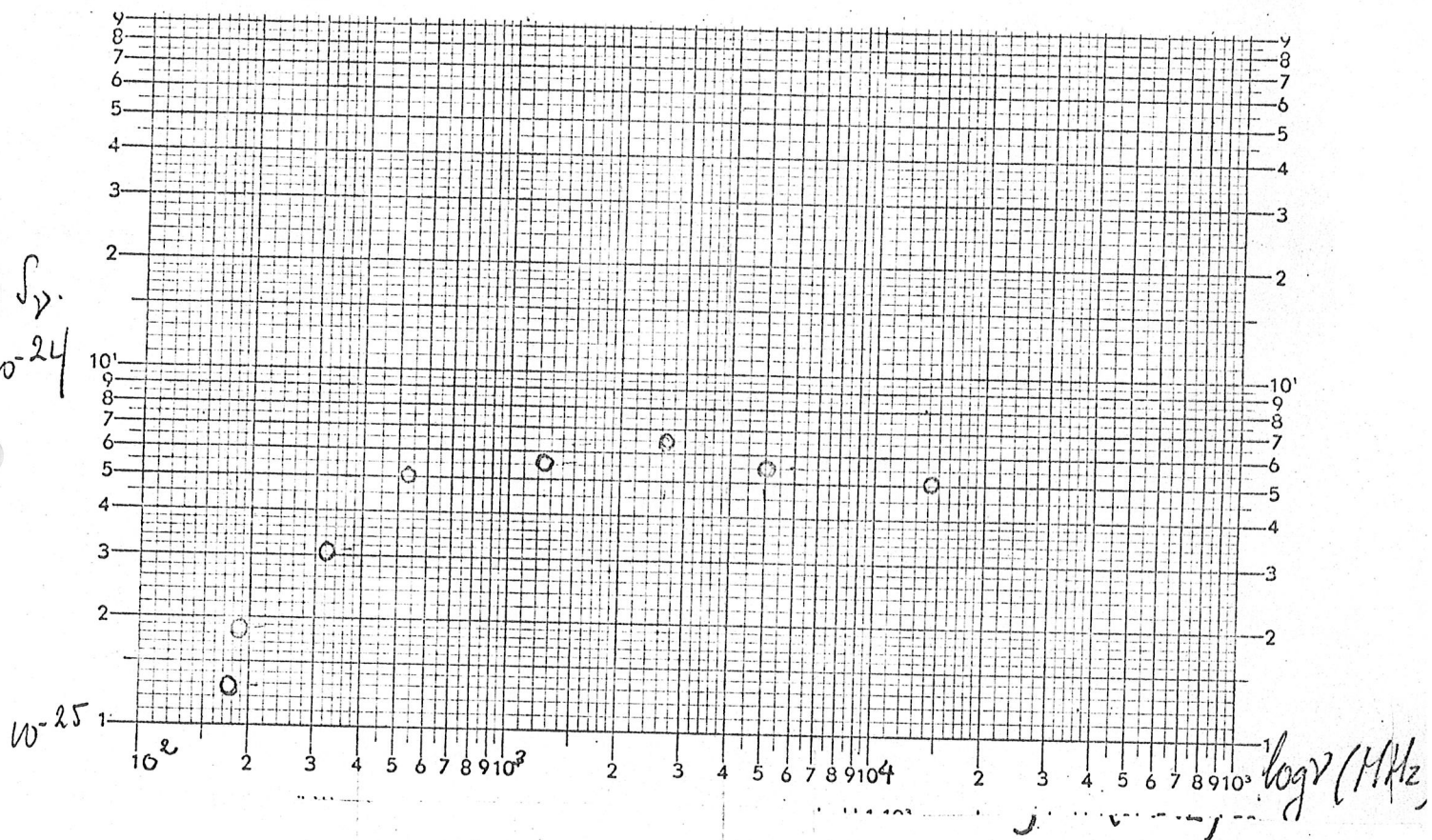
$K = 1,80 \cdot 10^{-16} \frac{\text{erg}}{\text{cm}^2 \text{ Hz}}$   
 $c = 3 \cdot 10^{10} \frac{\text{cm}}{\text{sec}}$

afstand 0.5 kpc

5' ~~5.5~~  
40 sec

$\tan 5' = \frac{d}{0.5 \text{ kpc}} = \frac{d}{500}$

log S<sub>v</sub>  
10<sup>-24</sup>



Waargenomen radiospectrum

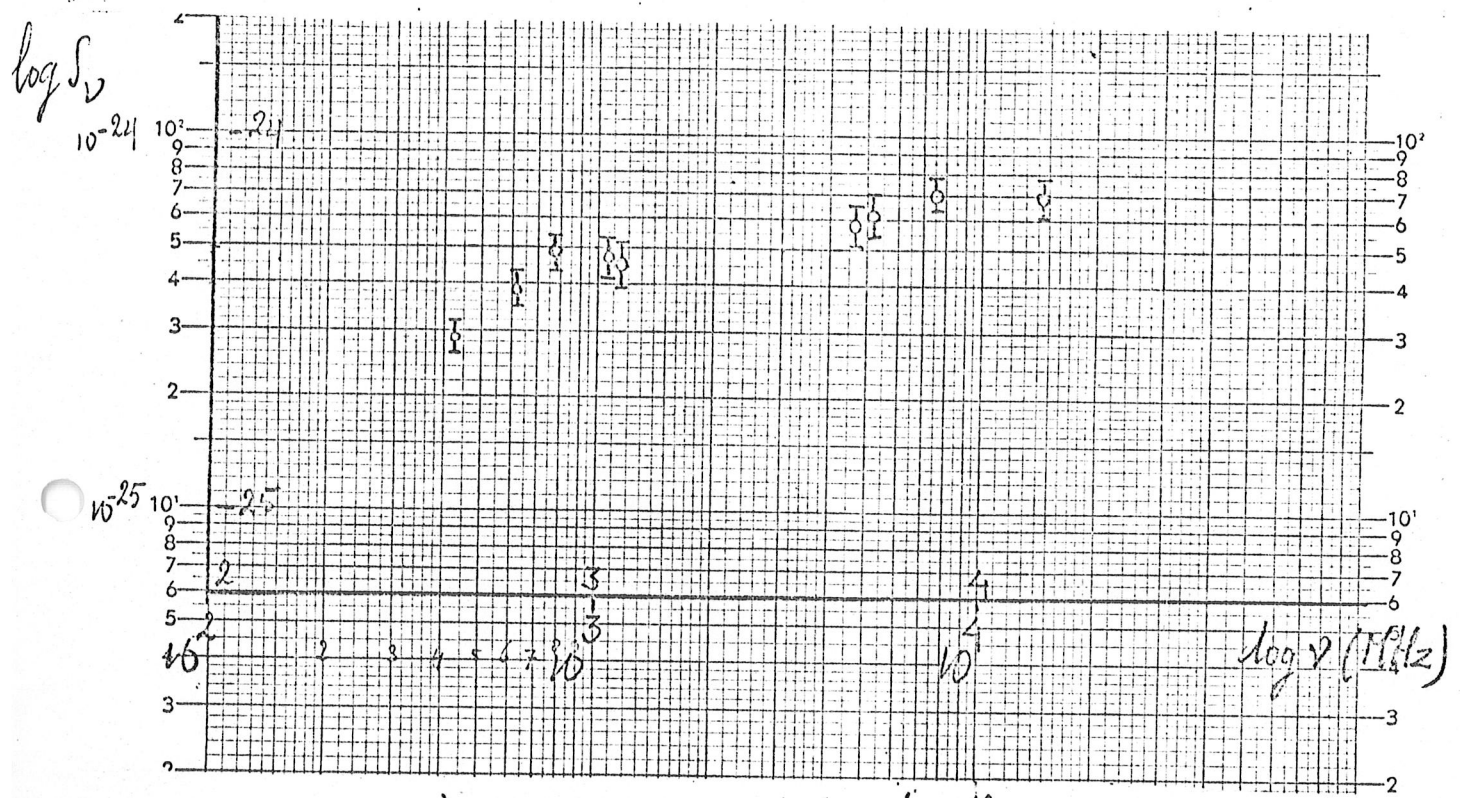
Mit: Terzian, Y., Interstellar ionized hydrogen,  
1968, Benjamin Inc., New York. pg 482

Bibliotheek nummer. X E<sub>6</sub> 41

$\alpha = 05^h 39^m 12^s$

$\delta = -01^{\circ} 56'$  (1950)

afstand 0.4 kpc



Waargenomen radiospectrum

Mit: Mezger, P.G., e.a. ApJ 150, 813, 1967

$\alpha = 19^h 08^m$

$\delta = 9^\circ 01'$  (1950)

afstand 13.9 kpc.

mitgebreidheid  $17'' \times 30''$  <sup>RH</sup>