

base - rib - PO<sub>4</sub>

base - rib - PO<sub>4</sub>

base rib - PO<sub>4</sub> <sup>trans</sup>  
AP

|



~~XXXXXXXXXX~~ Rabbit  
 I II  
 1st Glucocorticoid 4 ← 30 → 2  
 Albumin 8 days 2

time of ~~abrupt~~ accelerated  
 its appearance

Antibody: after first injection

1 peak at cumulative day  
 antibody

2 less and  
 12

avid  
 about 2 month  
 peak day 60 (0.25  
 per ~~unit~~ unit)

Jackson after second inj<sup>n</sup>

horse half  
 life: 20 d

100<sup>th</sup> day avid  
 sharp peak 7<sup>th</sup> day  
 3 unit  
 in 1600 cells 1/2 unit

f-906  
 Rabbit 5-days

Dupley - Wilson  
 III 1946  
 p1109

Glenn, Suidneson 1921 Horse

f.7.1) Journal of Hygiene Vol 20 p176.  
 (Worsley, <sup>varques</sup>)  
 Journal of Exp Med 103  
 p.425 1956 Rabbit



Biochimica Biophysica Acta, March 1957, page 558

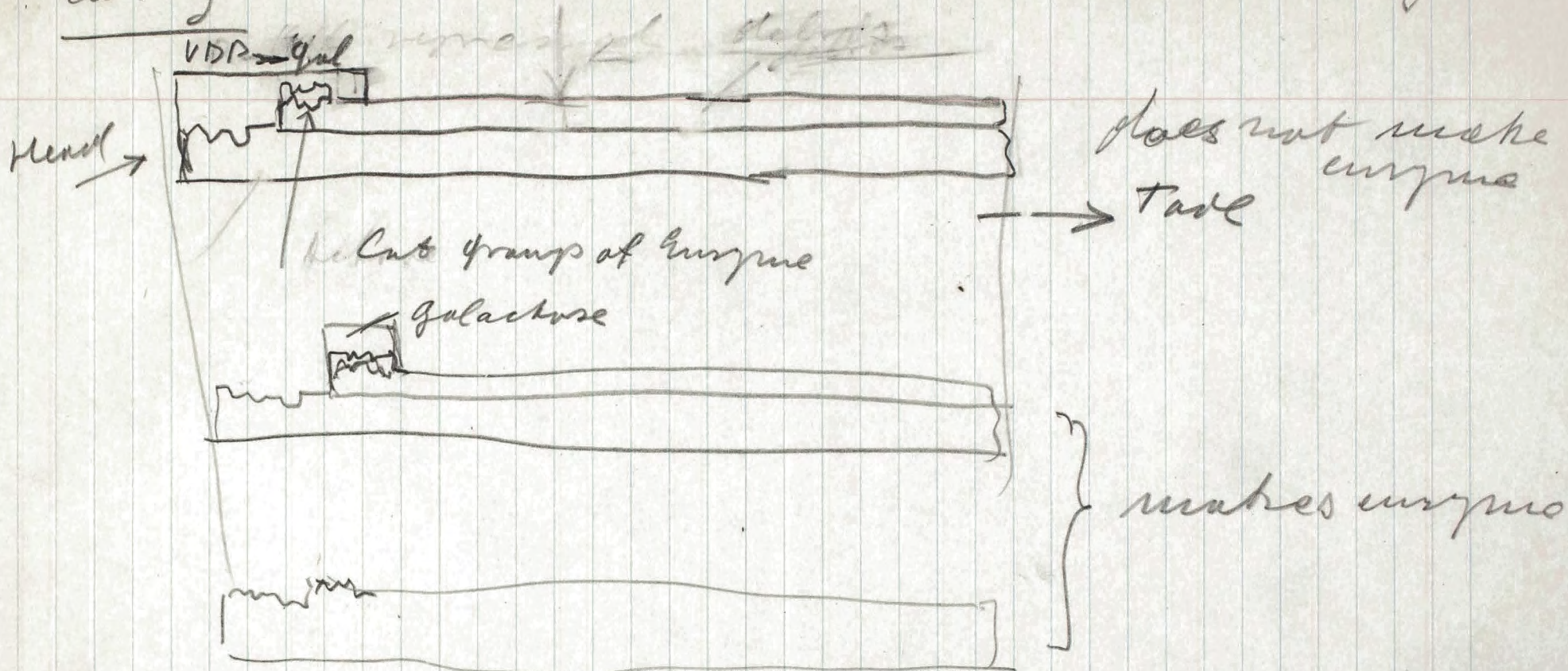
Name - Landman

Theorem



early

after the Army



unwashed

R-AA

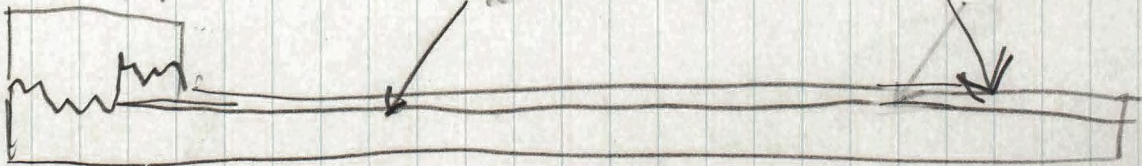
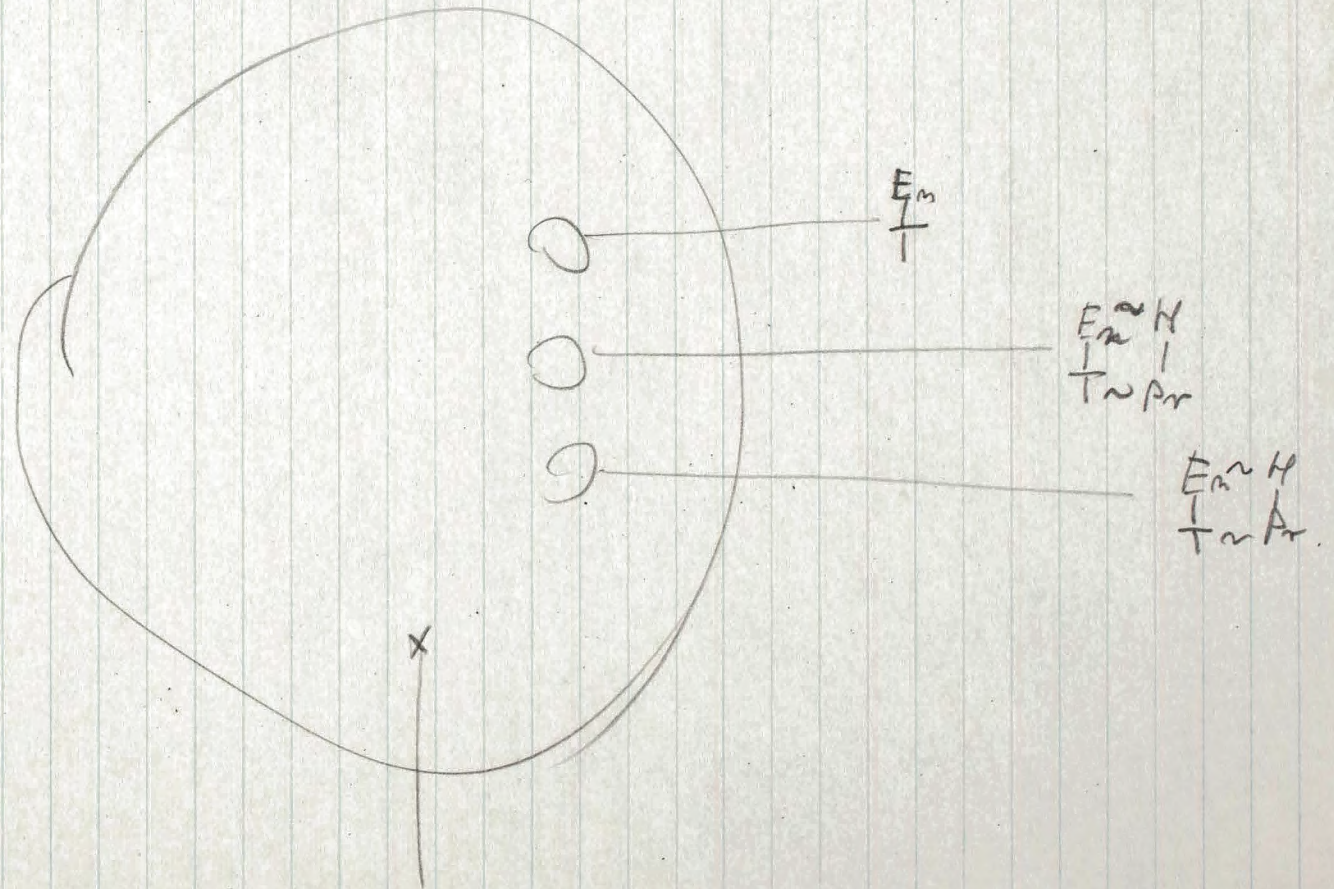




Fig 5  
Immediately after second ring

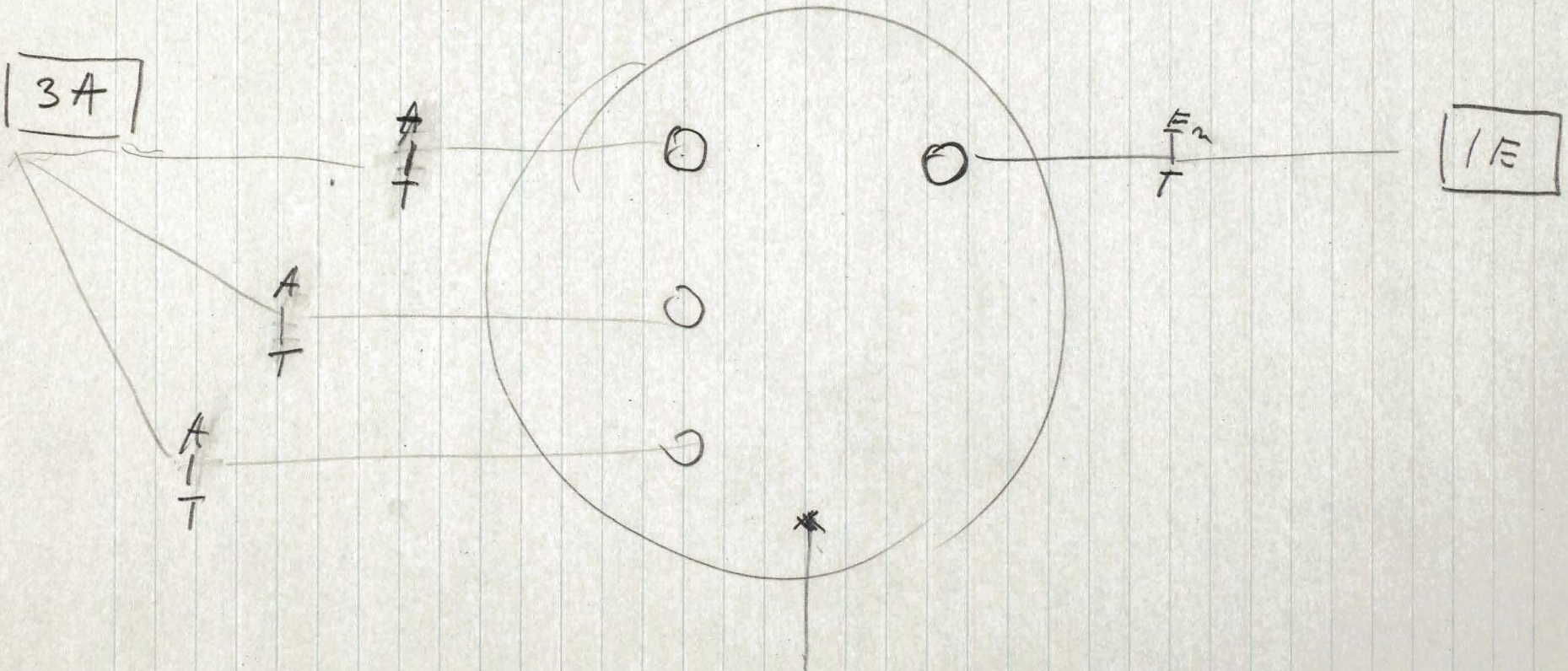




Second inj. After 30 days 2nd injection given

Fig. 6

8 days after second inj.



$$1 \times \left\{ (R - H_{m-1}) \xrightarrow{E_m} (H_m - R) \right\}$$



# Figures

~~before out is added~~; ~~immediately after~~

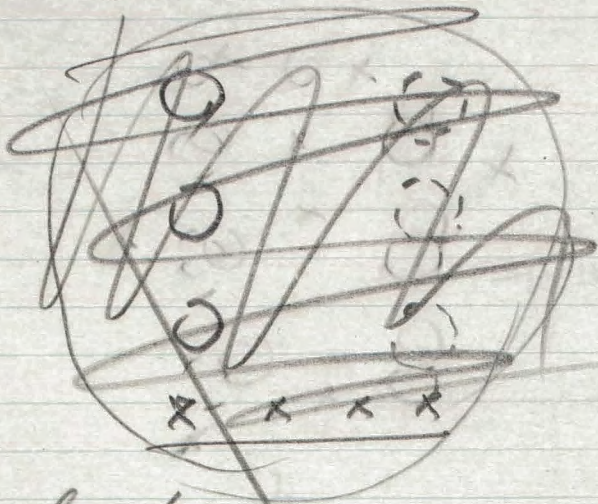


Fig 1

1.) before

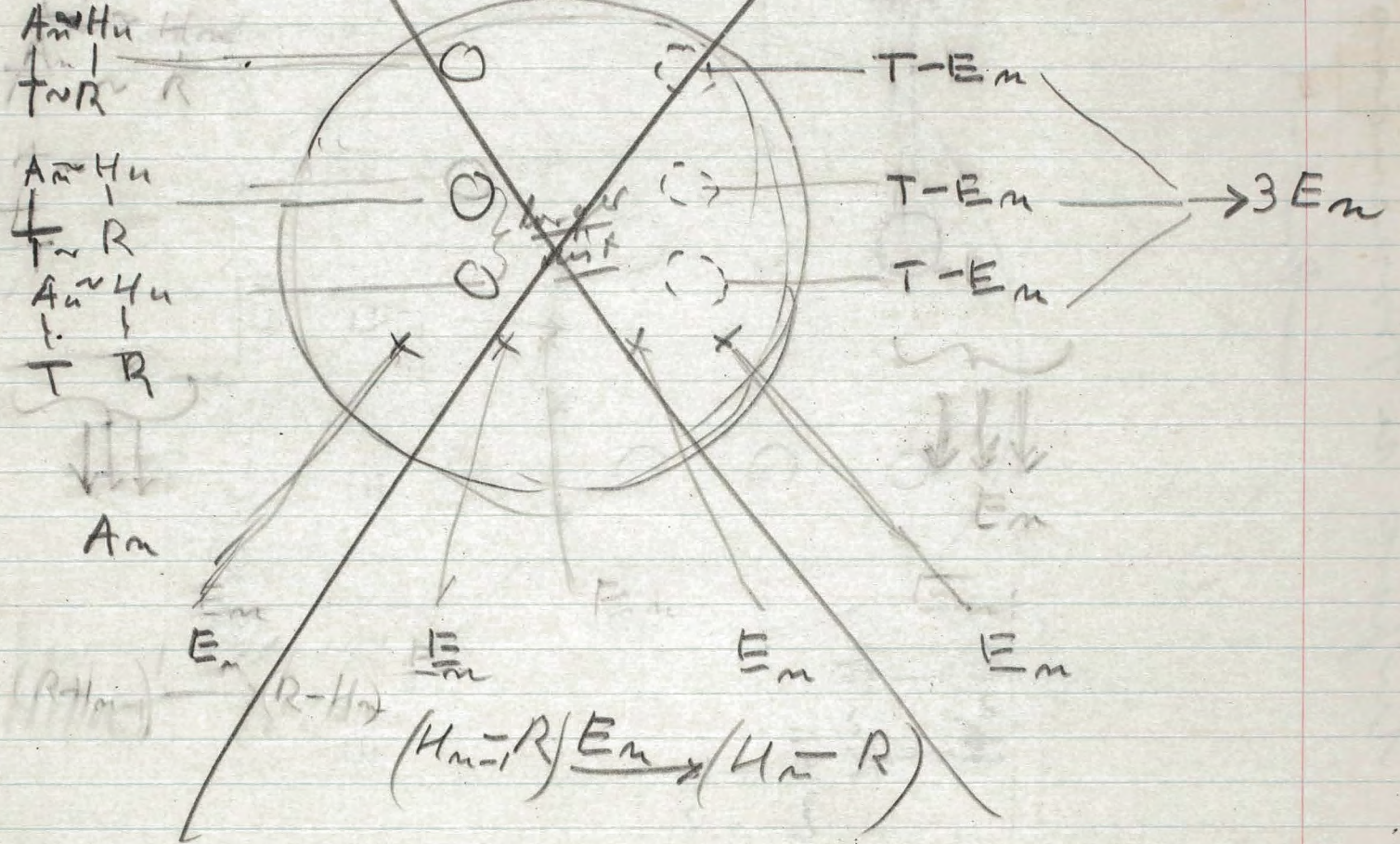
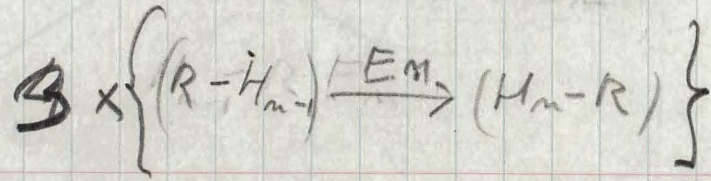
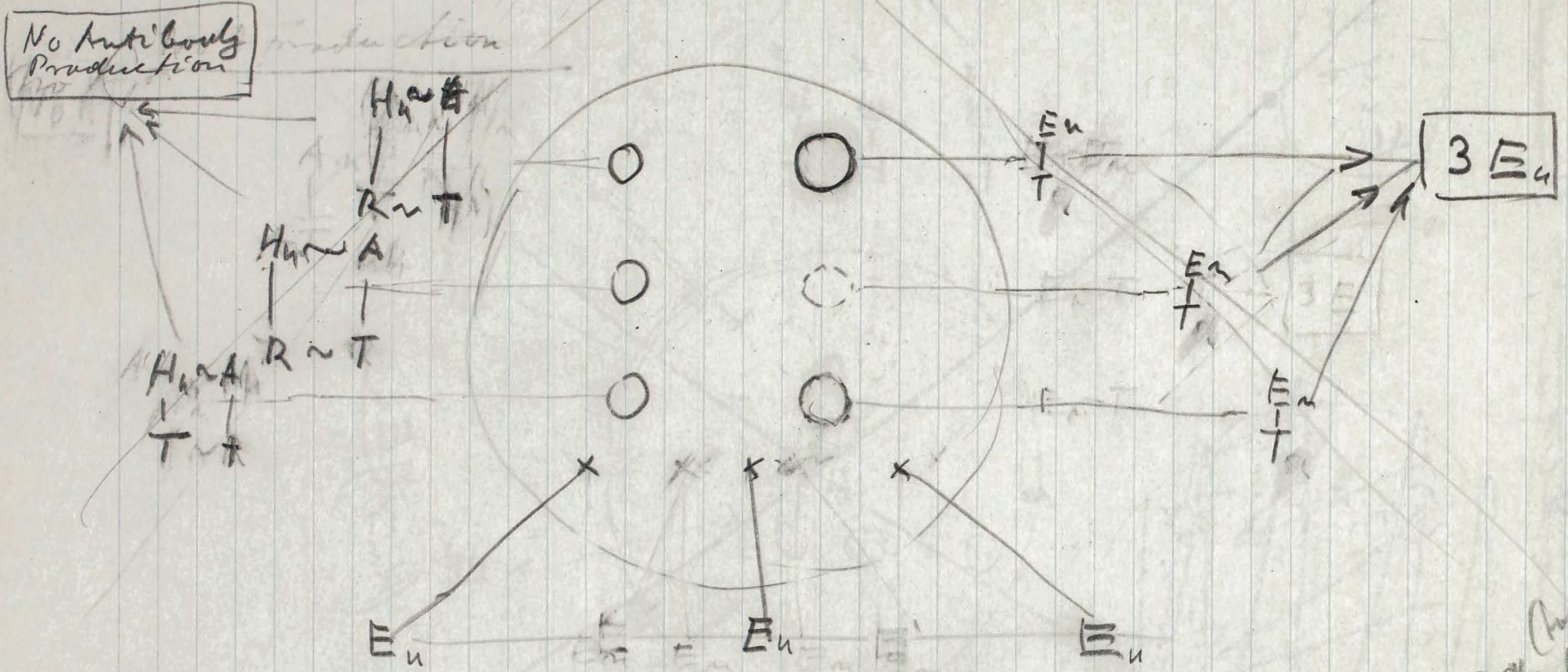




Fig 1 Import in transmembrane inj. of analogues  
Prot-H into "Rabbit"

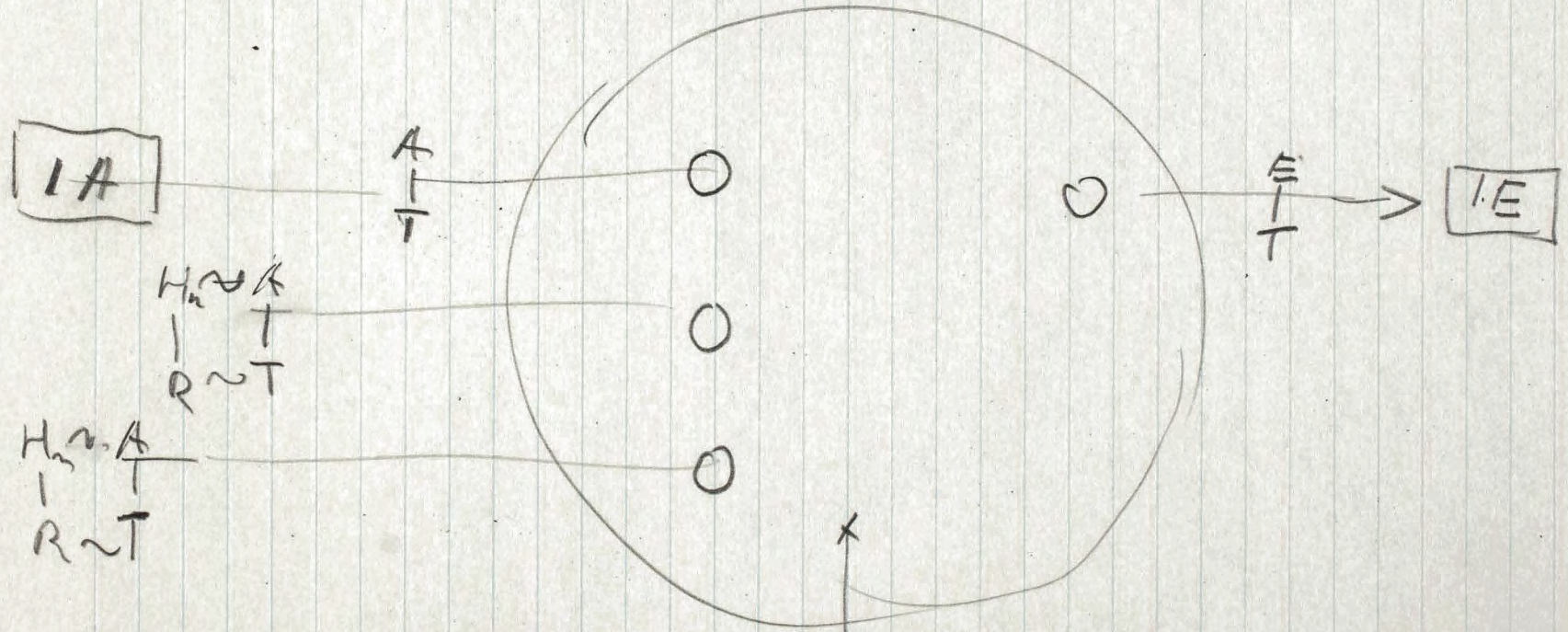


when & pig (antibody)  
 after 30 days  
 before the inj  
 after the inj



#997

10 d ~~time~~ after second injection



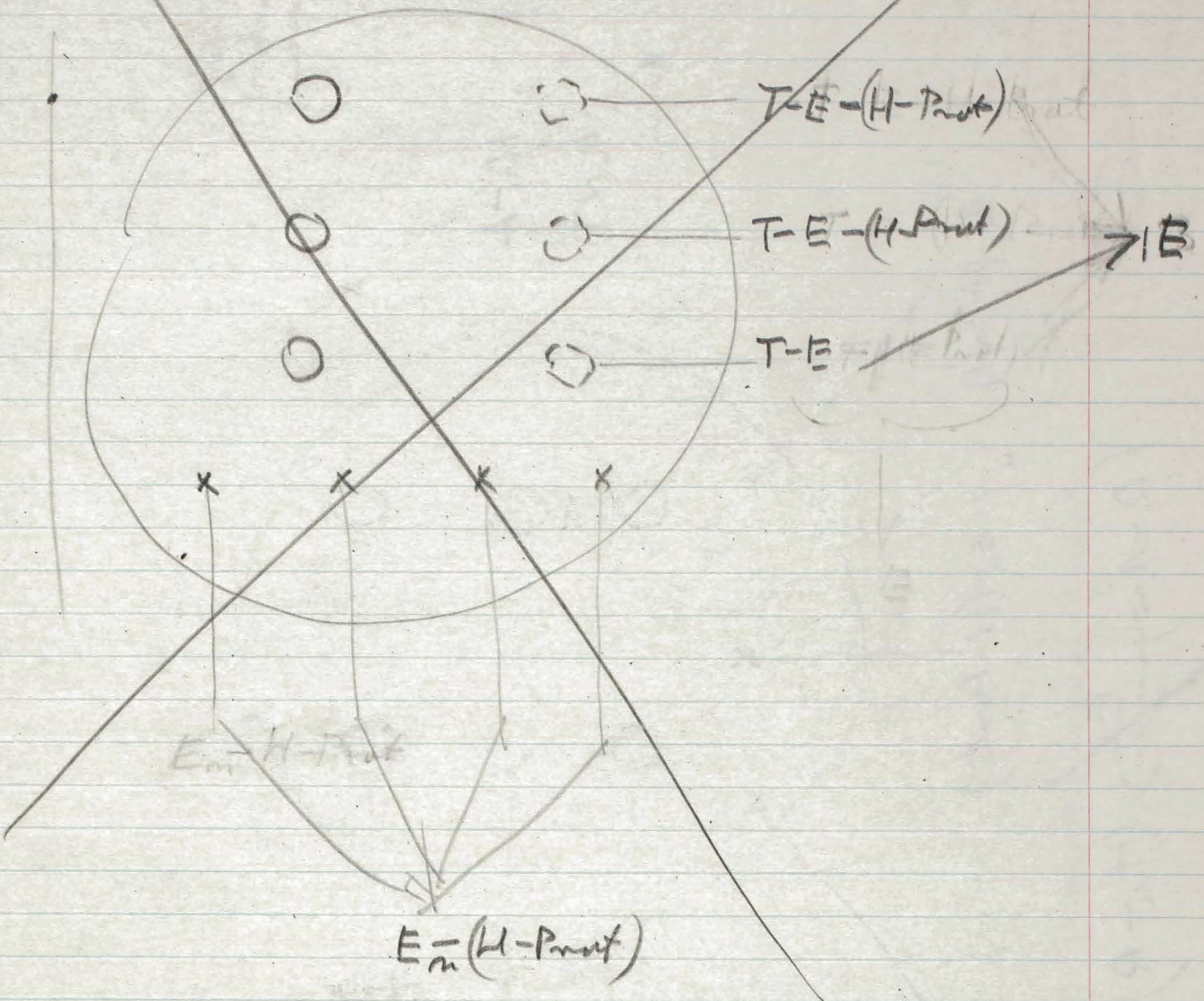
$$x \left\{ (R - H_{n-1}) \xrightarrow{E_a} (R - H_n) \right\}$$



Figure 2 and 3

H

2) Immediately after





Immediately after 2<sup>nd</sup> injection of antigen

No Antibody Production

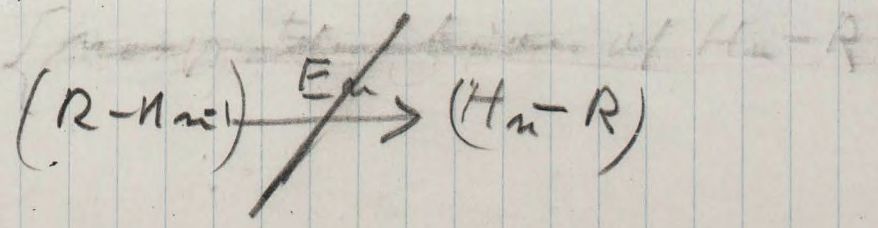
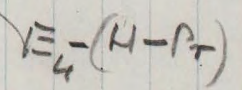
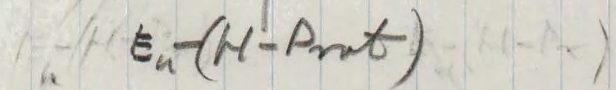
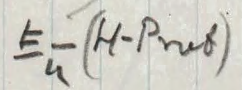
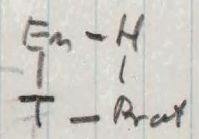
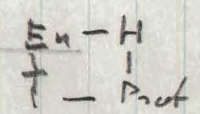
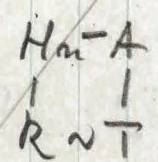
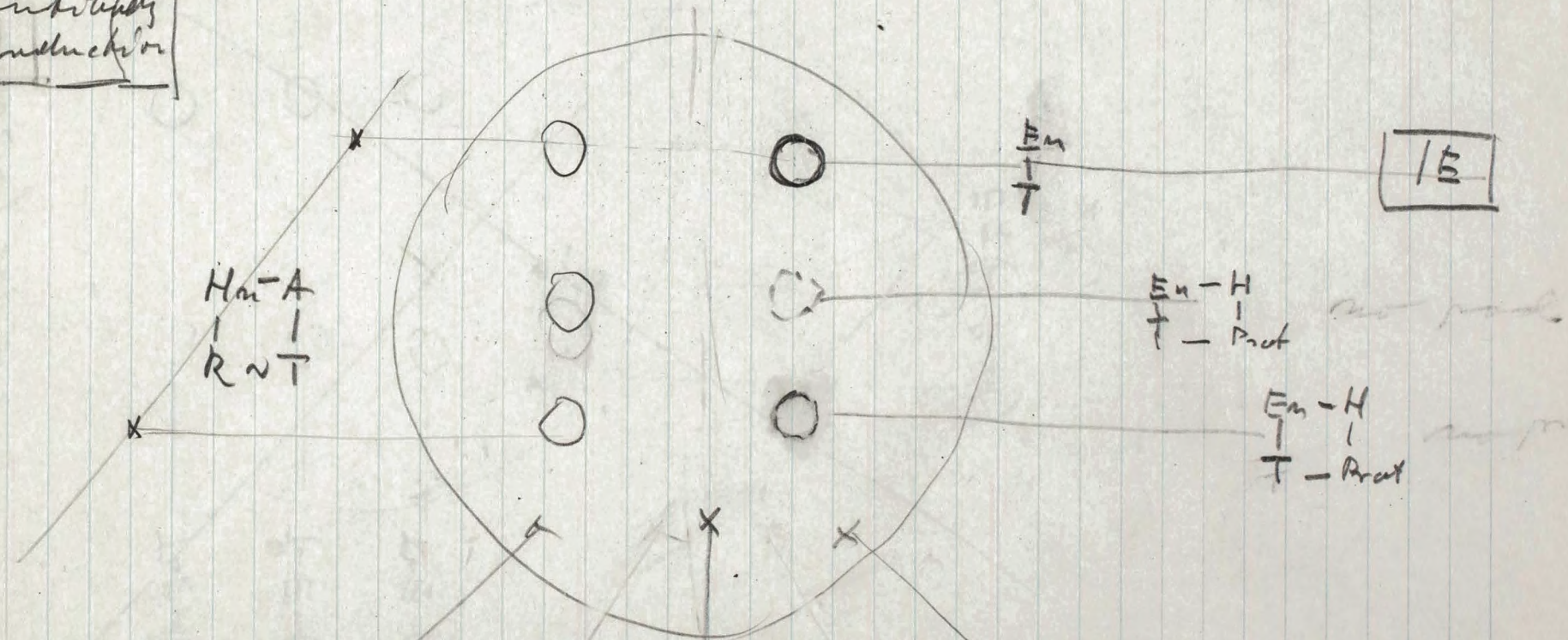
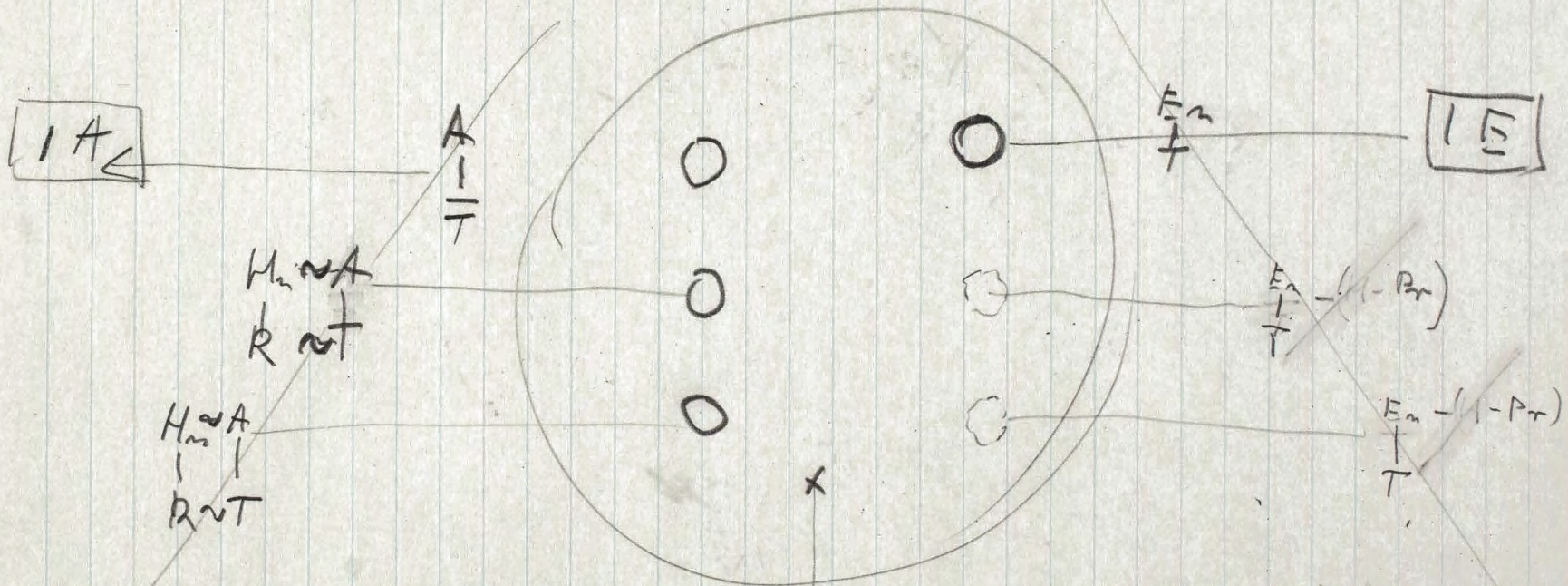




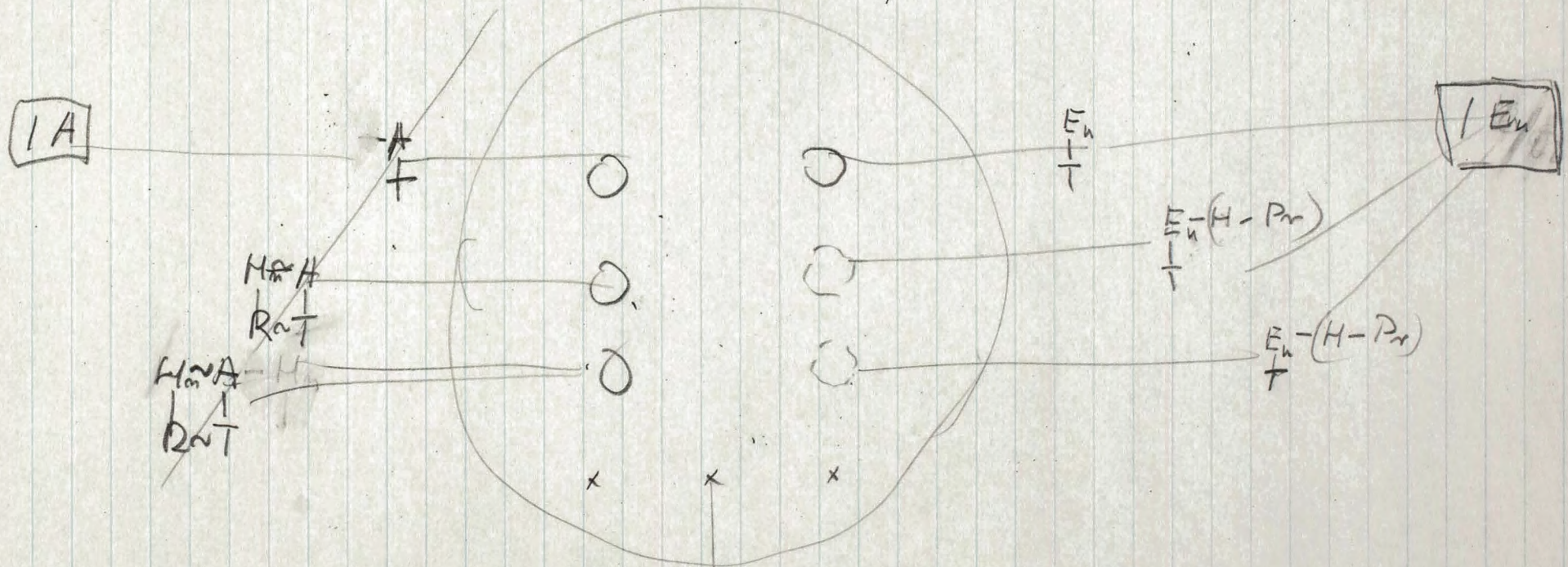
Fig 3  
 after my 19 days



$$\left\{ (R - H_m) \xrightarrow{E_m} (H_m - R) \right\}$$

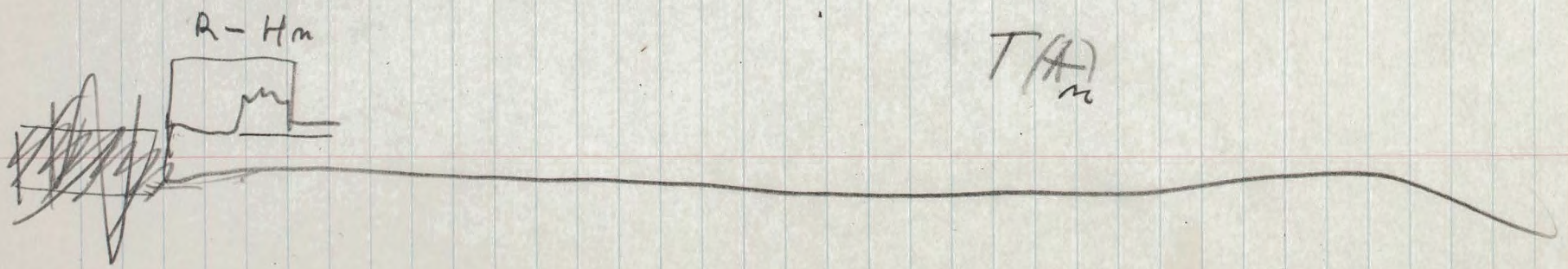
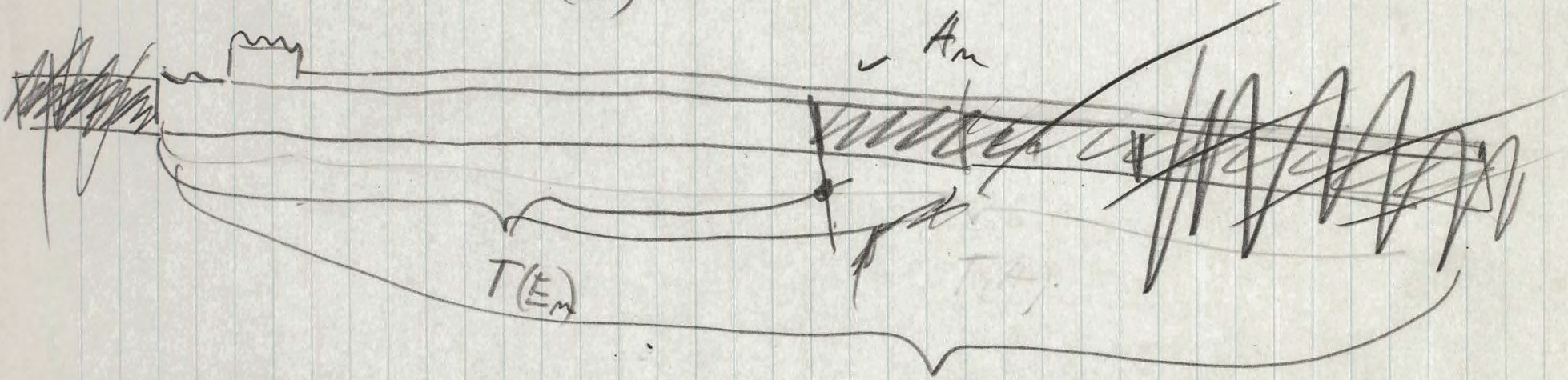
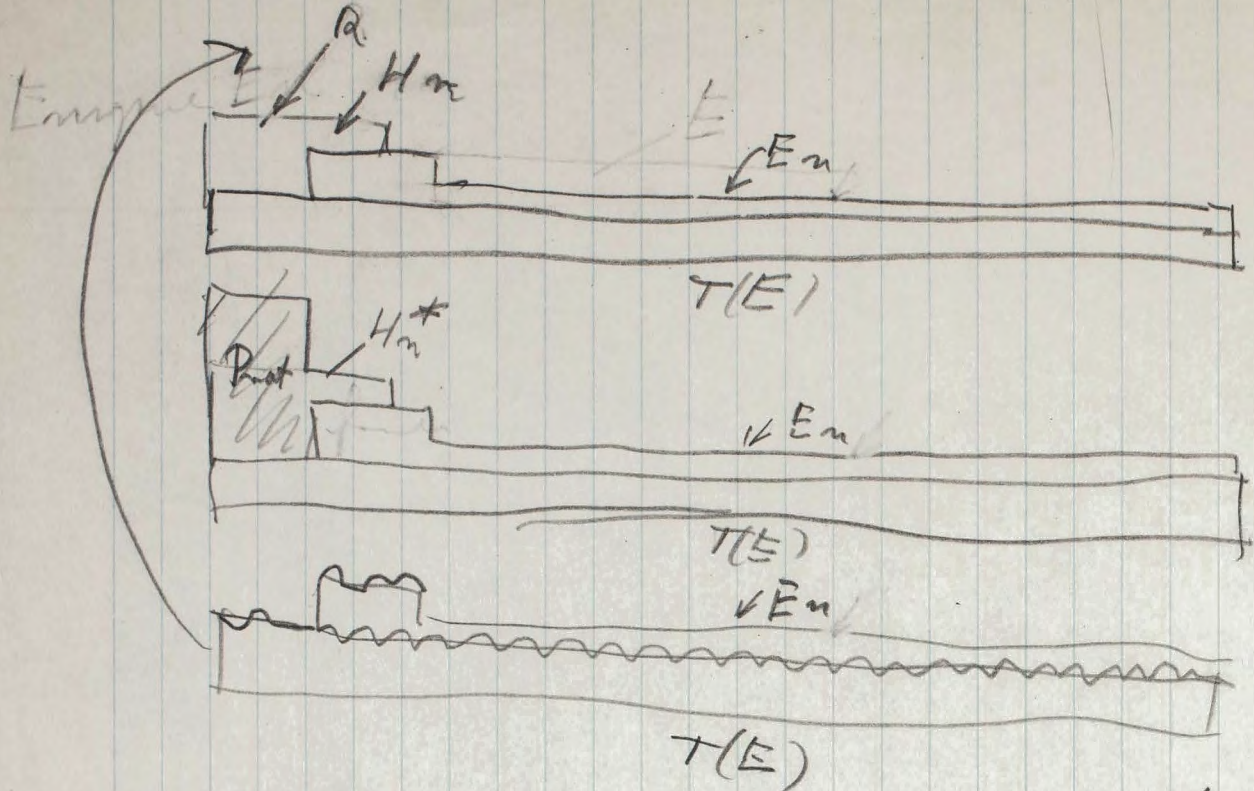


Exp 4  
 30 Days after I<sub>2</sub>K injection,  
 immediately before second inf.



$$1x \left\{ (R - U_{m-1}) \xrightarrow{E_m} (H_m - R) \right\}$$







pre Yarnovsky

$AA(-1) \xrightarrow{E} AA \xrightarrow{R+AA} AA \xrightarrow{E_0} \{AA-R\} \xrightarrow{\{R-AA\}} \{AA(1)-R\} \xrightarrow{\{R-AA(1)\}} \{AA(2)-R\} \xrightarrow{E_2} \{AA(2)-R\}$

$$\begin{array}{|c|} \hline E \sim AA \\ \hline T \sim R \\ \hline \end{array} \quad \text{or} \quad \begin{array}{|c|} \hline E(M) \sim AA \\ \hline T(M) \sim R \\ \hline \end{array}$$

$$T \rightleftharpoons T(M)$$

$$\begin{array}{|c|} \hline E_0 \sim AA \\ \hline T_0 \sim R \\ \hline \end{array}$$

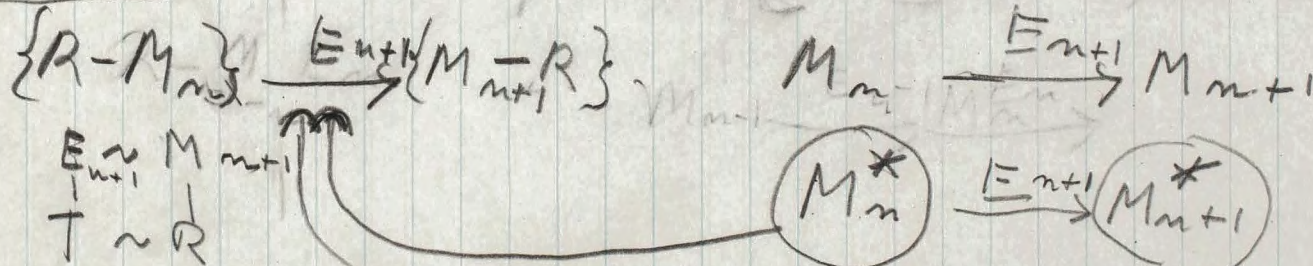
$$\begin{array}{|c|} \hline E_0 \sim AA(1) \\ \hline T \sim R \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline E_1 \sim AA(1) \\ \hline T \sim R \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline E_1 \sim AA(2) \\ \hline T \sim AA(2) \\ \hline \end{array}$$

$$? AA = M ?$$

carrier completed



Yarnovsky

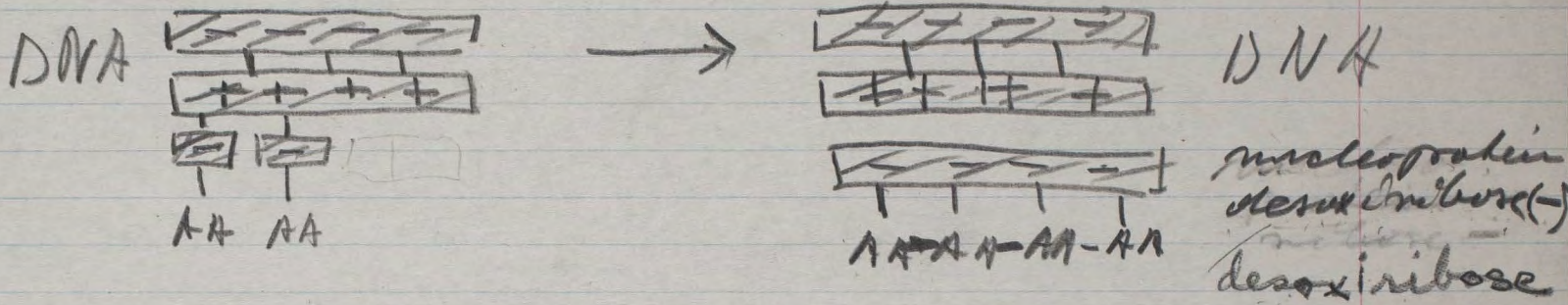


Pre-Garofsky

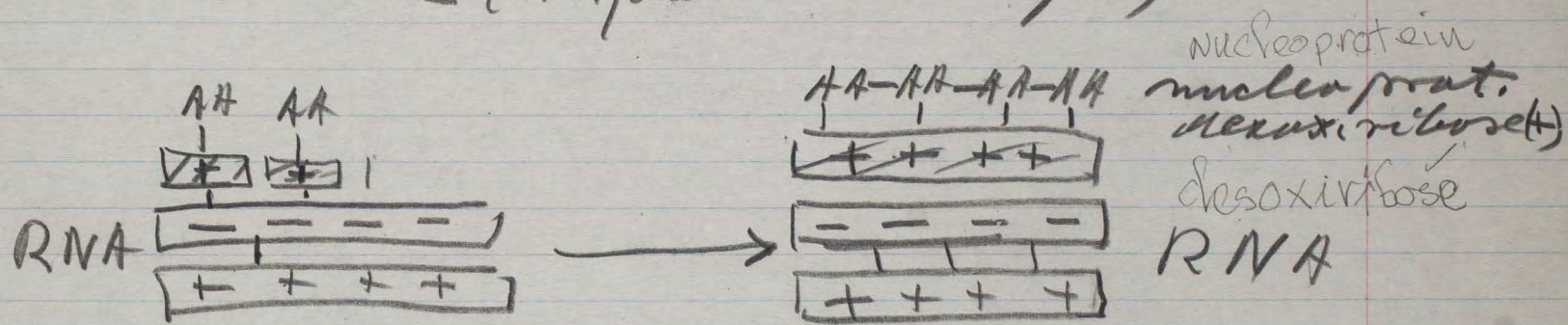
~~AA~~ ~~EM~~ ~~AA~~



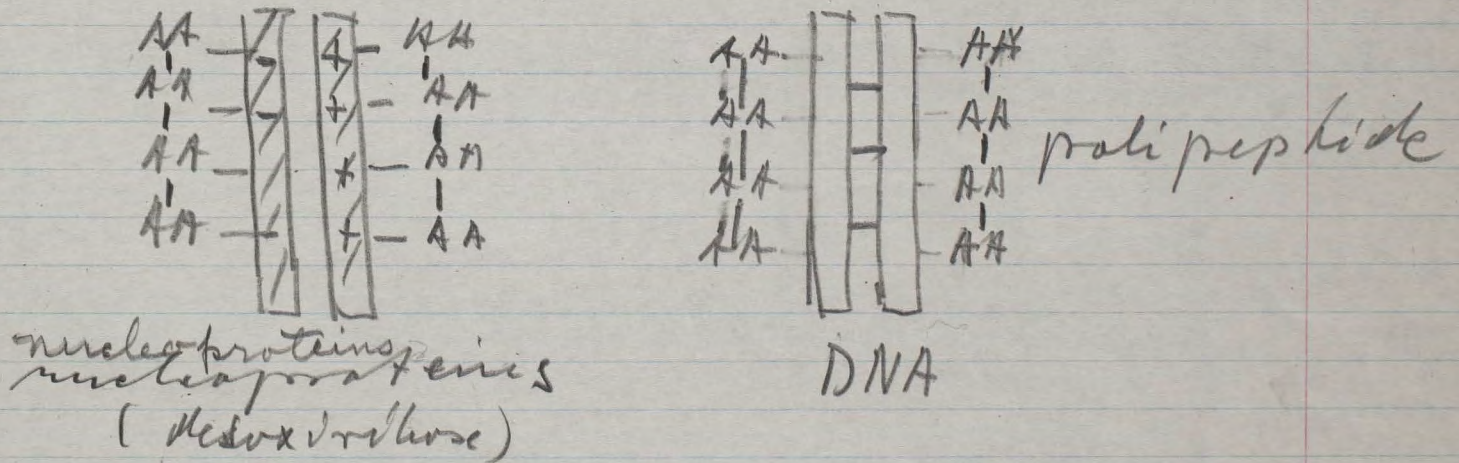
4.)  $\frac{1}{2}$  DNA(+) makes  $\frac{1}{2}$  DNA(-)  
 E(AA, <sup>desoxiribose-</sup> ~~desoxiribose~~, -)



5.)  $\frac{1}{2}$  RNA(-) makes  $\frac{1}{2}$  DNA, +  
 E(AA, desoxiribose, +)



6.) 2 nucleoproteins (desoxiribose) make DNA.





0,7

# RNA makes Protein

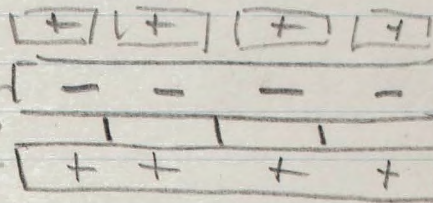
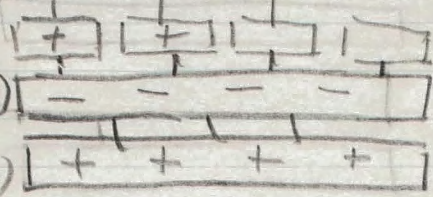
20 Enzymes

a) no turnover of RNA  
no turnover of RNA

$E(A_i, \text{ribose} +)$

$A_i - A_j - A_k - A_l$

protein  
~~protein~~

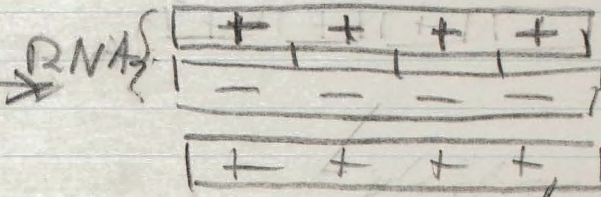
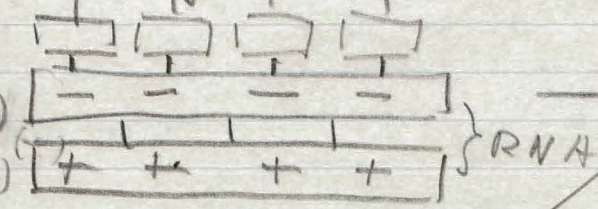


b) turnover of RNA

A<sub>i</sub> A<sub>j</sub> A<sub>k</sub> A<sub>l</sub>

$A_i - A_j - A_k - A_l$

protein



hydrolysed

7) RNA makes Protein discharge



