S-65

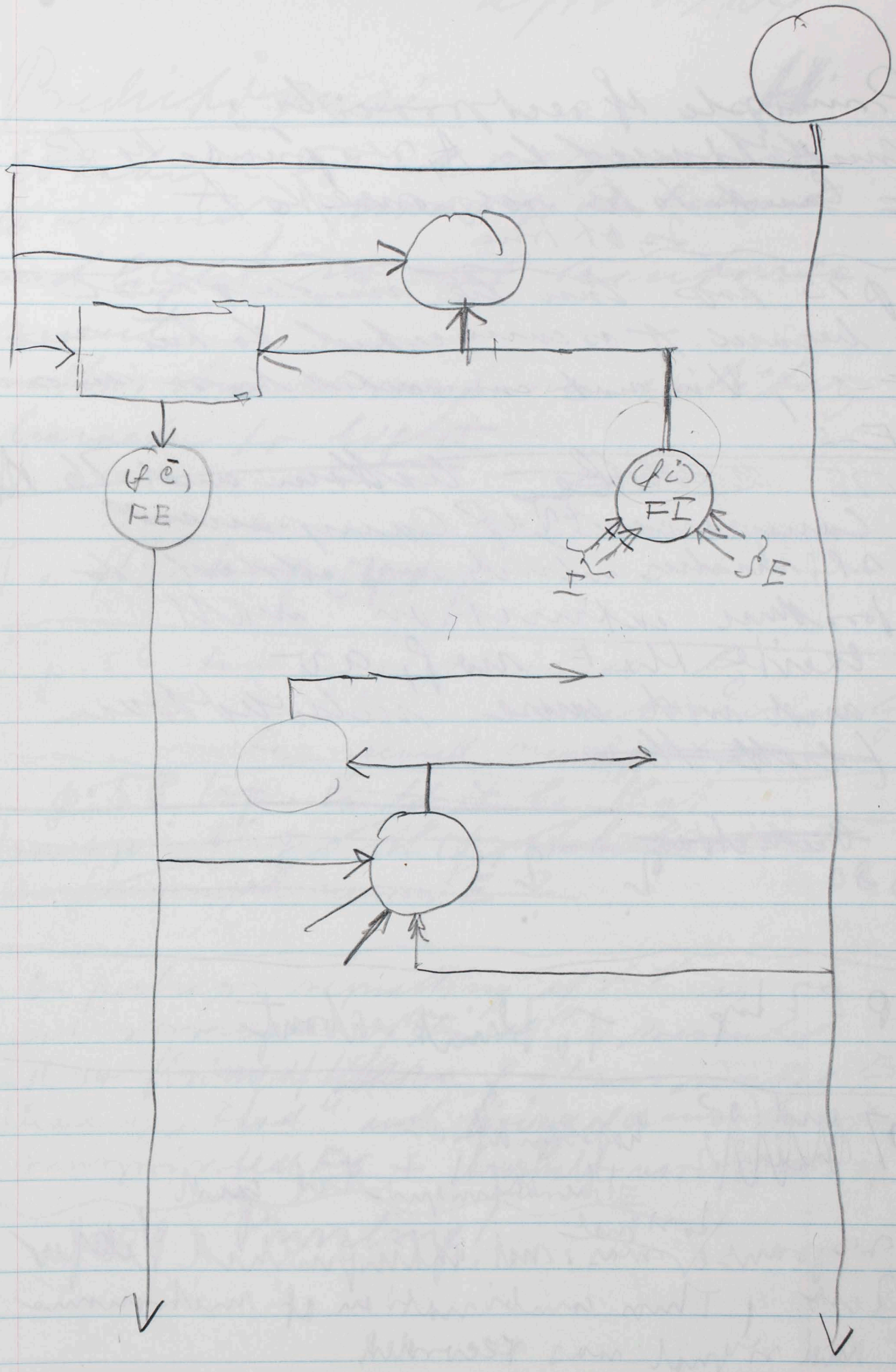
TIME BOOK

The SPIRAL

69¢

WIDE MARGINAL RULED No. 5858 - 3 HOLE PUNCHED

A PRODUCT OF Westab DAYTON 2, OHIO


(∀c̄)
FE
(∀c)
FI
∃
∃!E

Principle of reciprocity:
conditioned to A, response to B
= Cond. to B response to A
Is it true

---

p75 top Can be understood because it is connected to how many E-s, V is not connected to so many E-s

---

p. 75 bottom and 76 top
Components of Compound stimulus which was utilized to produce extinction will excite the E_3 via P_1 av and will cause substitution

---

p80 2. 2.

---

p82 top To think about

---

107 and 108 Extinction
The extinguished cond response to signal was not extinguished below zero. This combination of metronome and signal was recorded

Apr 17 '64

Predictions:

To habituate and response to sound; now give sound and light ~~no~~ no reinforcement.

This should continue indefinitely dependent to light

To think: p 54. top

---

p. 56 can be explained by E — ± E connections and note second mark p. 57

p. 58 top. ~~could it be that~~

~~transpiring~~ ~~both (+) stabilizes~~

~~the transposited neurons~~ E ?

→ Or perhaps repulsing of + + is much stronger if "food" is presented and no pairing of ~~the~~ + - transmitted E-s than "no food" and firing of a number of transposited E-s + threshold variations of all neurons E

p 59 Pursing!

Compound shimmers like
orig:

positive for a / positive for b

negative for a+b

x a+f
y b+f
z a+b not f

} these will be excited by a+b also

but this will not be excited as strongly by either a and b as by a+b

Number of ~~was~~ ~~was~~

compound shimmers can inhibit

---

a+b positive
a negative
b negative

x a+b+f
y a+f.
z b+f

α
β
γ<α ~~this will not~~
γ<β α=β

a alone will not excite b+f gives a+b
b alone will not excite a+f gives a+b

these

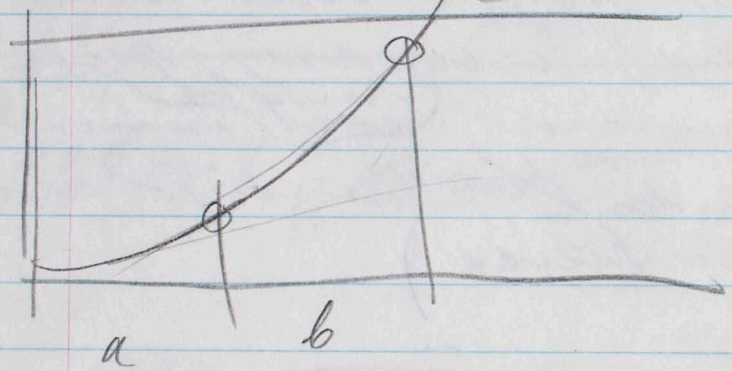
Next Portion p/8

~~It is the same that~~

~~Our model is based~~
due to the various laws adopted
~~based on memory~~ any "unit
of memory" types shown are merely.
~~but the unit of memory given~~
(a unit of memory might consist
of information of the complexity
of a simple sentence)

~~there is no~~ the efficacy of
a synapse never changes
Once a synapse has become
functional its ~~memb~~
degree of efficacy never changes
thereafter ~~and never~~ but
~~unit of memory~~ when a unit
of memory is needed synapses
which ~~where~~ were not functional
before, become functional.

Those which have been transformed with a + b + f may have small input trains may have small input trains but these E will be small amounts by assuming threshold



Now ~~vice~~ verse!

compound inhibitory

components ~~stimulat~~ positive

& B-s having a + b no f

α

β

a, no b, no f

no a, b, no f

{ (a) + 0(b) + 0(f)

We must have

$$x^* \geq x + \xi z \qquad \xi < 1$$

$$y^* \geq y + \eta z \qquad \eta < 1$$

η is overlap fraction $\qquad \frac{a+f}{a+b+f}$

η < a a $\qquad \frac{b+f}{a+b+f}$

For within by a above

We must have:

$$\alpha + \xi_1 f \cdot \frac{a}{a+b+f} \leq \alpha^*$$

where α^* is number of E-s transported with a and res f

$$\beta + \xi_2 f \cdot \frac{b+f}{a+b+f} \leq \beta^*$$

For positive response to compound we must have

$$\alpha + \beta + \xi f \geq \alpha^* + \beta^*$$

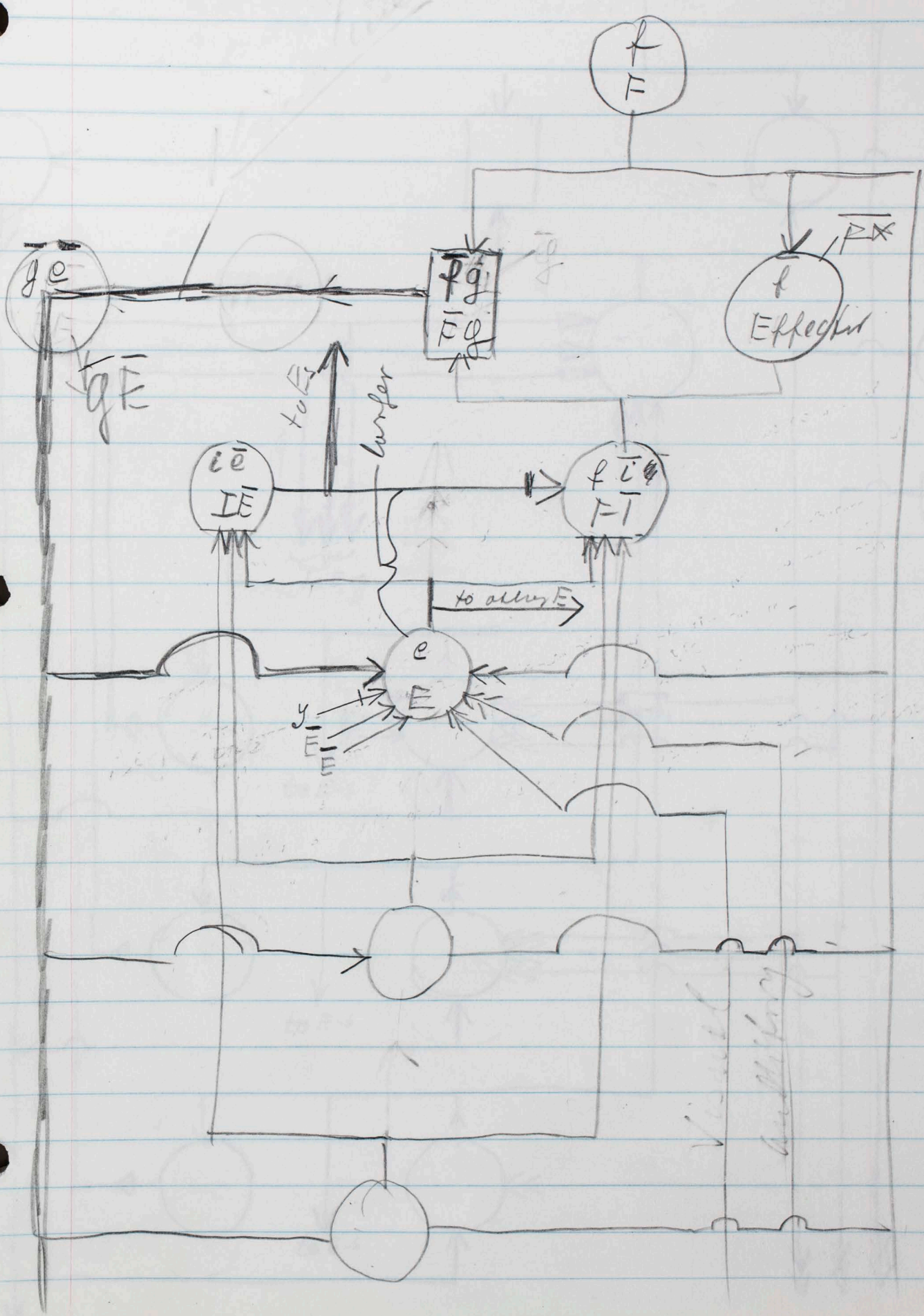
$$\alpha + \beta + 2\xi f < \alpha^* + \beta^*$$

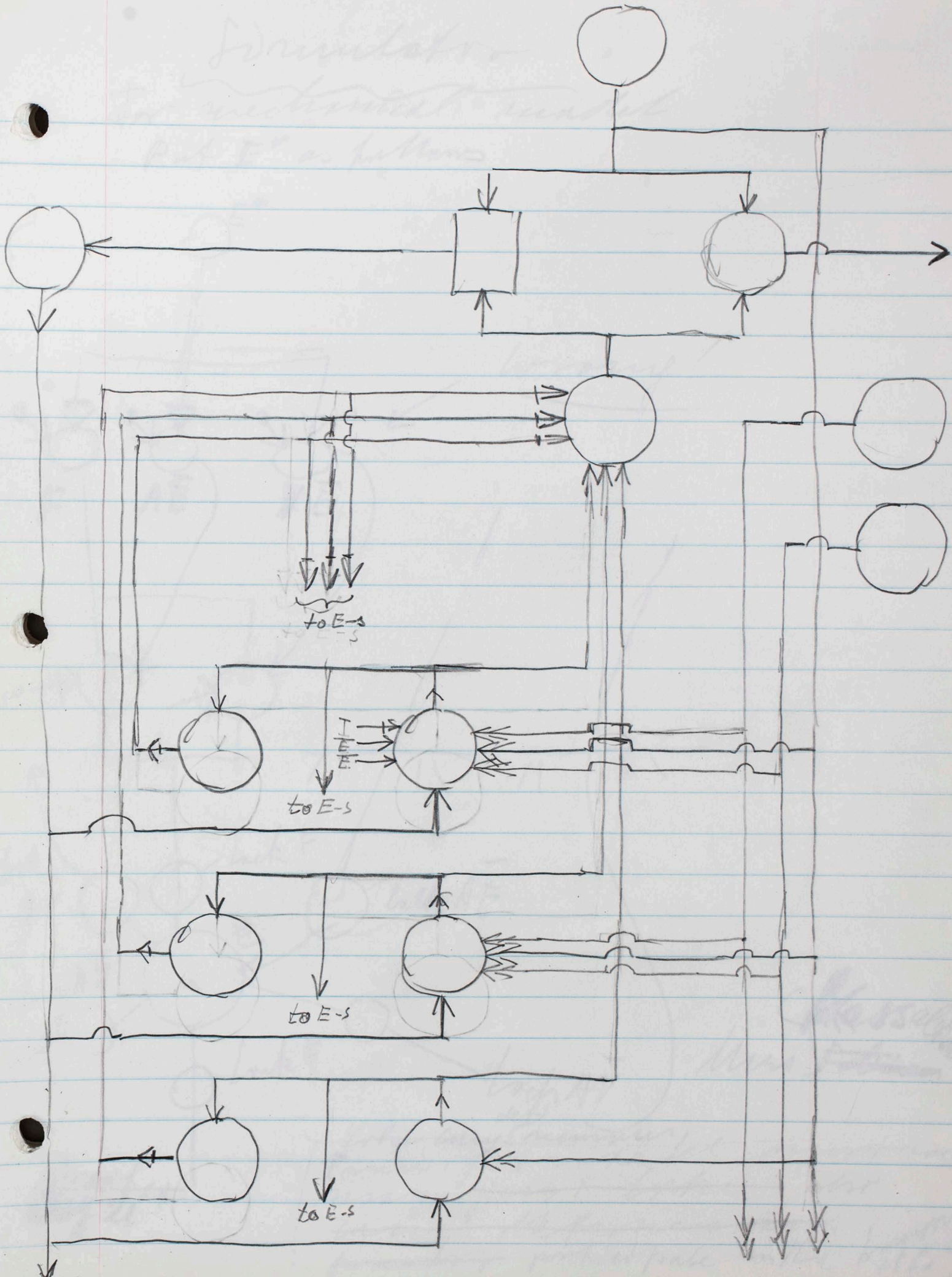
or volume control

$2\xi < 1$

$\xi < \frac{1}{2}$

This work was supported
by a Research Grant of the
Fun Fund Arm of the
Water Dept of Health administration
of the University of Chicago ✕

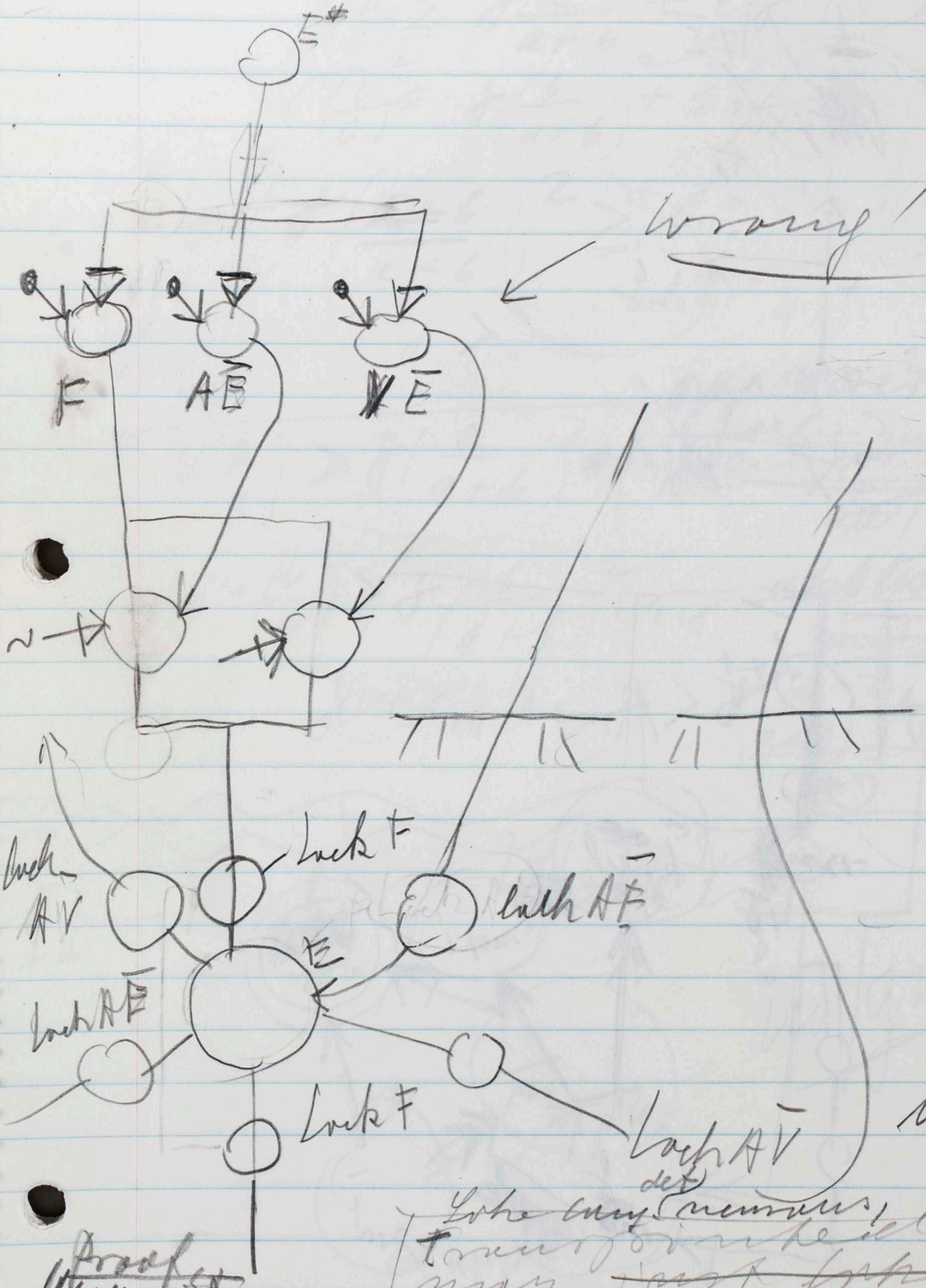

f
F
g e
f g
F g
f
Effector
P x
g F
x to E
Lumbar
i e
I E
f i
I
to allow E
e
E
y
E
E


to E-s
I
E
E
to E-s
to E-s
to E-s

Simulator

For mechanical model

Put E^* as follows



Massachusetts

Mrs

Lobe ~~any~~ neurons, det

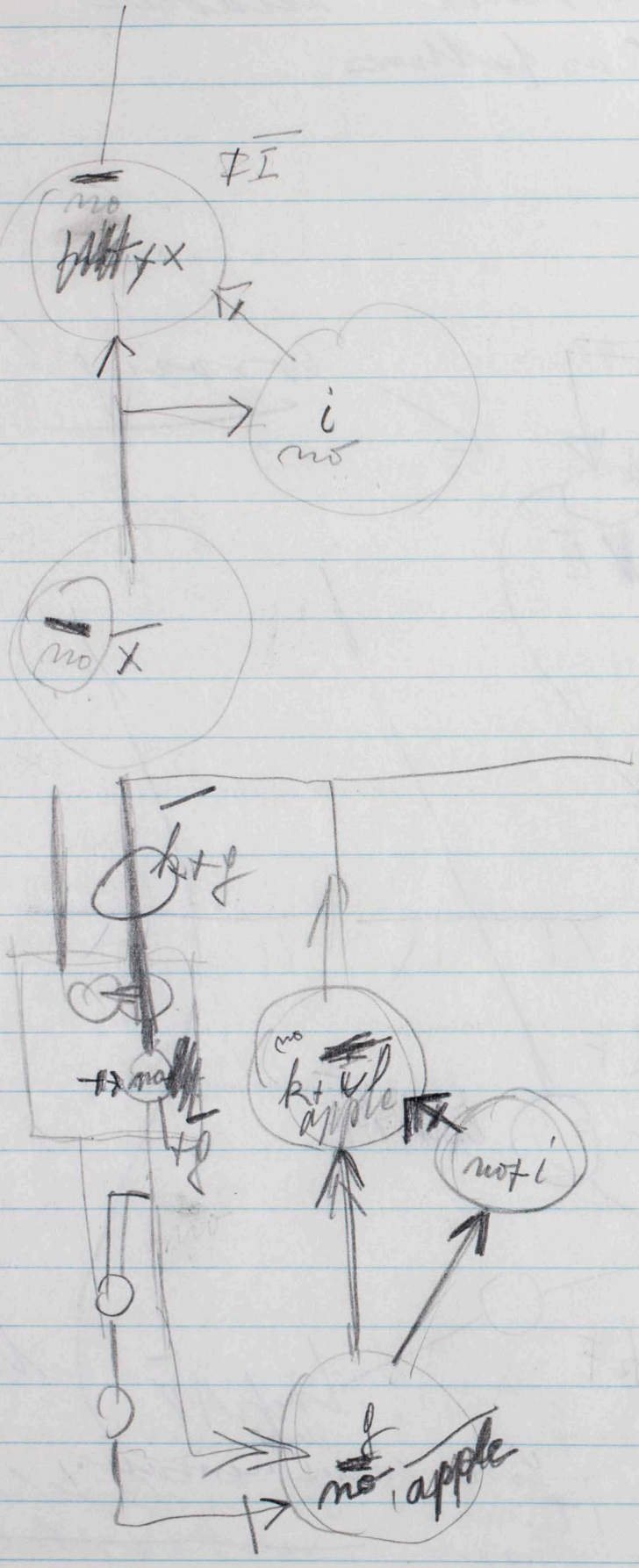
~~transformation~~ neurons may ~~just take~~ also

~~only. Not necessary~~

~~tracks~~ provided pulse in the transmitter

~~Proof~~

May 21st


no
i
no
no
x
k+l
apple
not i
no
apple

Extinguished for compound established for compound

$\alpha a + \beta b = f(a+b)$ leave

$\alpha\left(\frac{a}{a}\right)^2 \geq f\left(\frac{a}{a+b}\right)^2 + \varepsilon_1 f(1)^2$ leave

$\beta\left(\frac{b}{b}\right) \geq f\left(\frac{b}{a+b}\right)^2 + \varepsilon_2 f(1)^2$

$(\varepsilon_1+\varepsilon_2)f + f\left(\frac{a+b}{a+b}\right)^2 \geq \alpha\left(\frac{a}{a}\right)^2 + \beta\left(\frac{b}{b}\right)^2 + f\frac{1}{4} + f\frac{1}{4} + (\varepsilon_1+\varepsilon_2)f$

$\frac{a}{a+b} = \frac{1}{2}$ $f >$

opposite problem

extinguished for compound

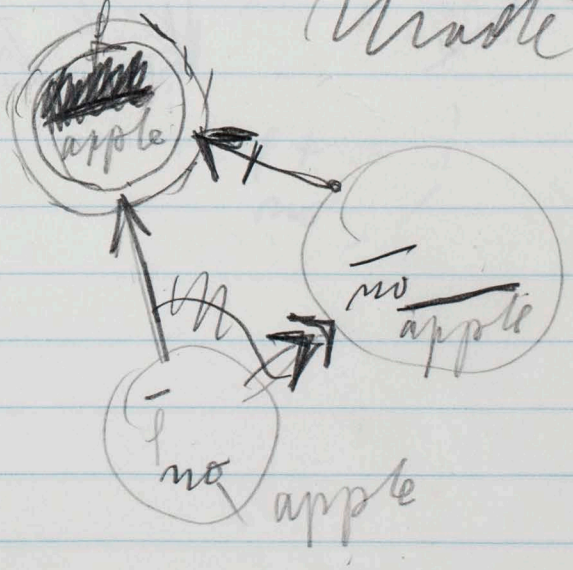
established for components

$\alpha\left(\frac{a}{a}\right) > f\left(\frac{a}{a+b}\right)^2 + \varepsilon_1 f$

$\beta\left(\frac{b}{b}\right) > f\left(\frac{b}{a+b}\right)^2 + \varepsilon_2 f$

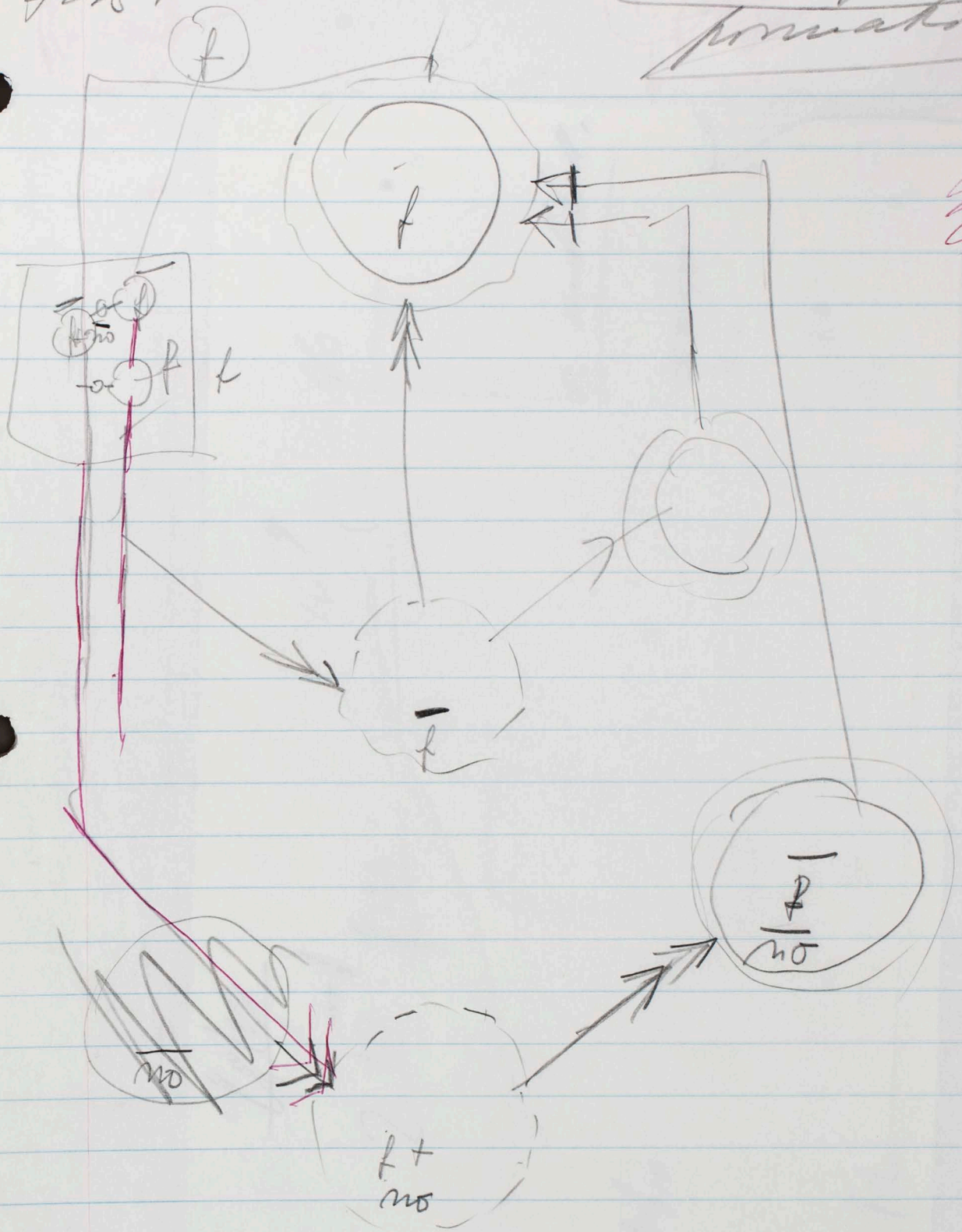
$f + \varepsilon_1 f + \varepsilon_2 f > f\left(\frac{a}{a+b}\right)^2 + f\left(\frac{b}{a+b}\right)^2 + \varepsilon_1 f + \varepsilon_2 f$

Model II



we good

First model Concept formation


f
f
f

10^{-9} cells

$2\,10^{-1}$ per

$2\,10^{8}$ cells make antibody.

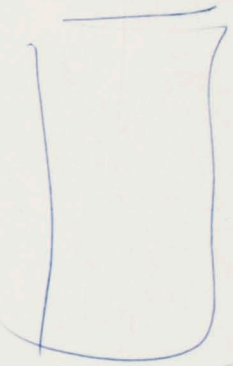
start $2\,10^{7}$ cells

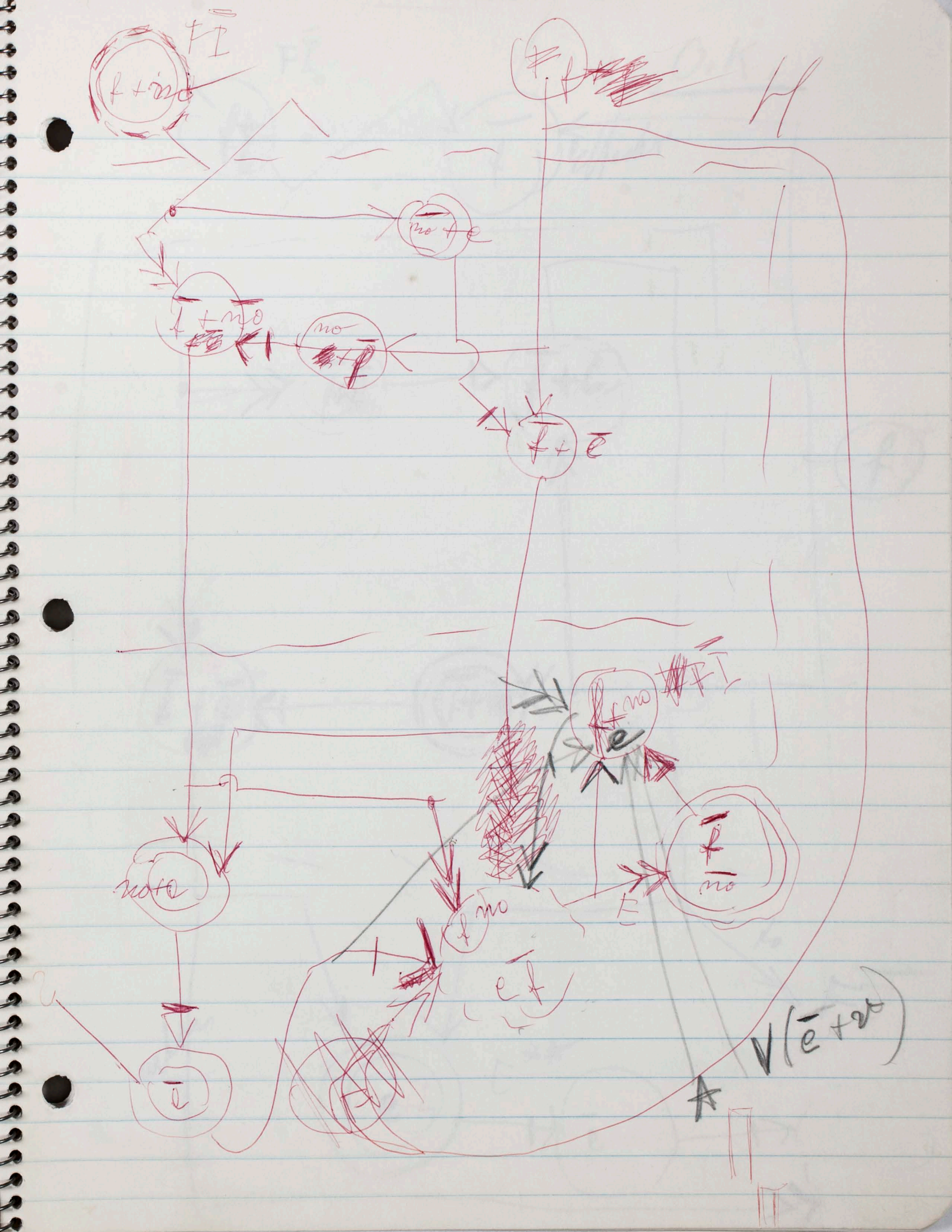
~~4 days~~ 30

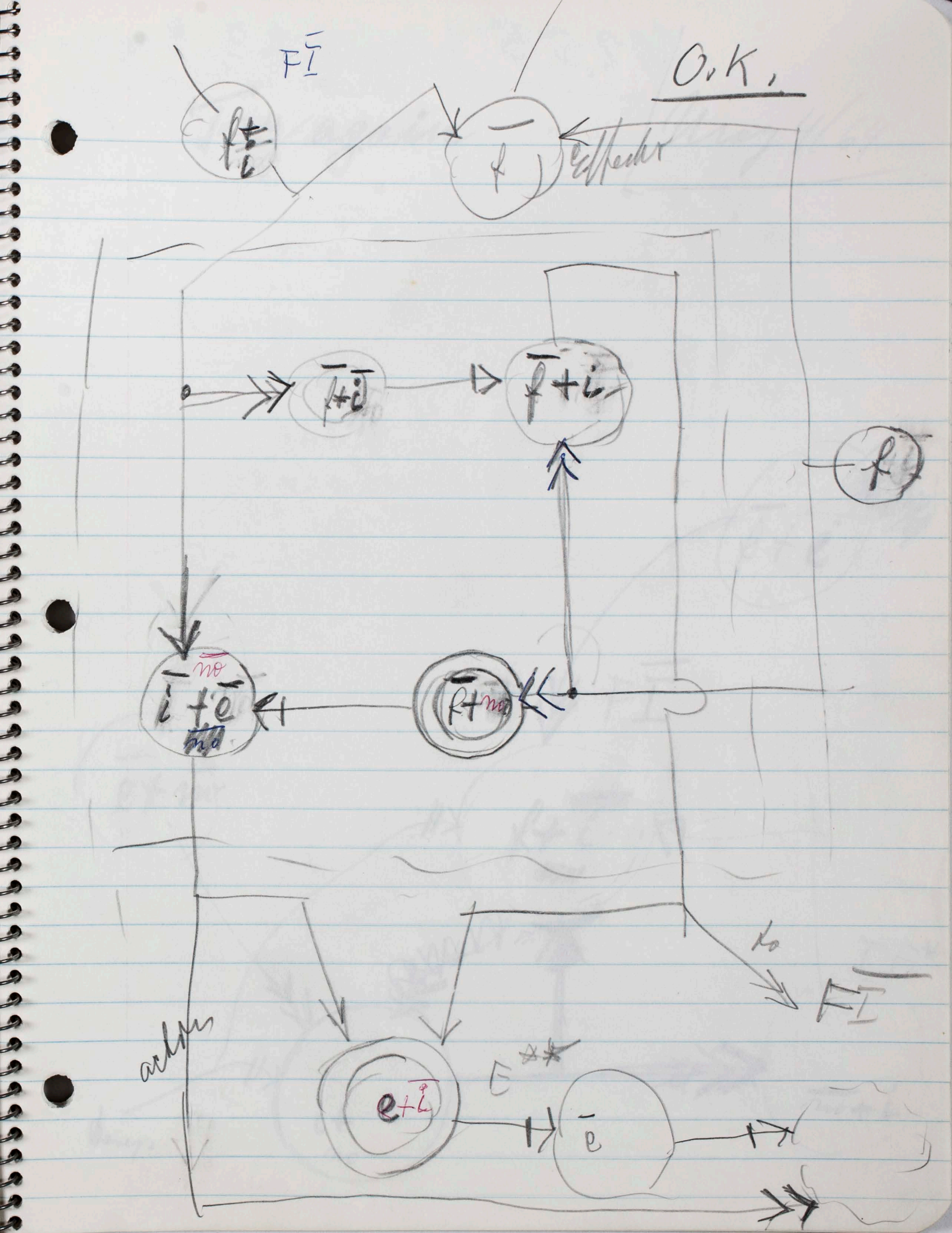
10^{6} 200 cells to start 2^{30}

$b = a \quad r = 1$

$$\ln r = a = br$$

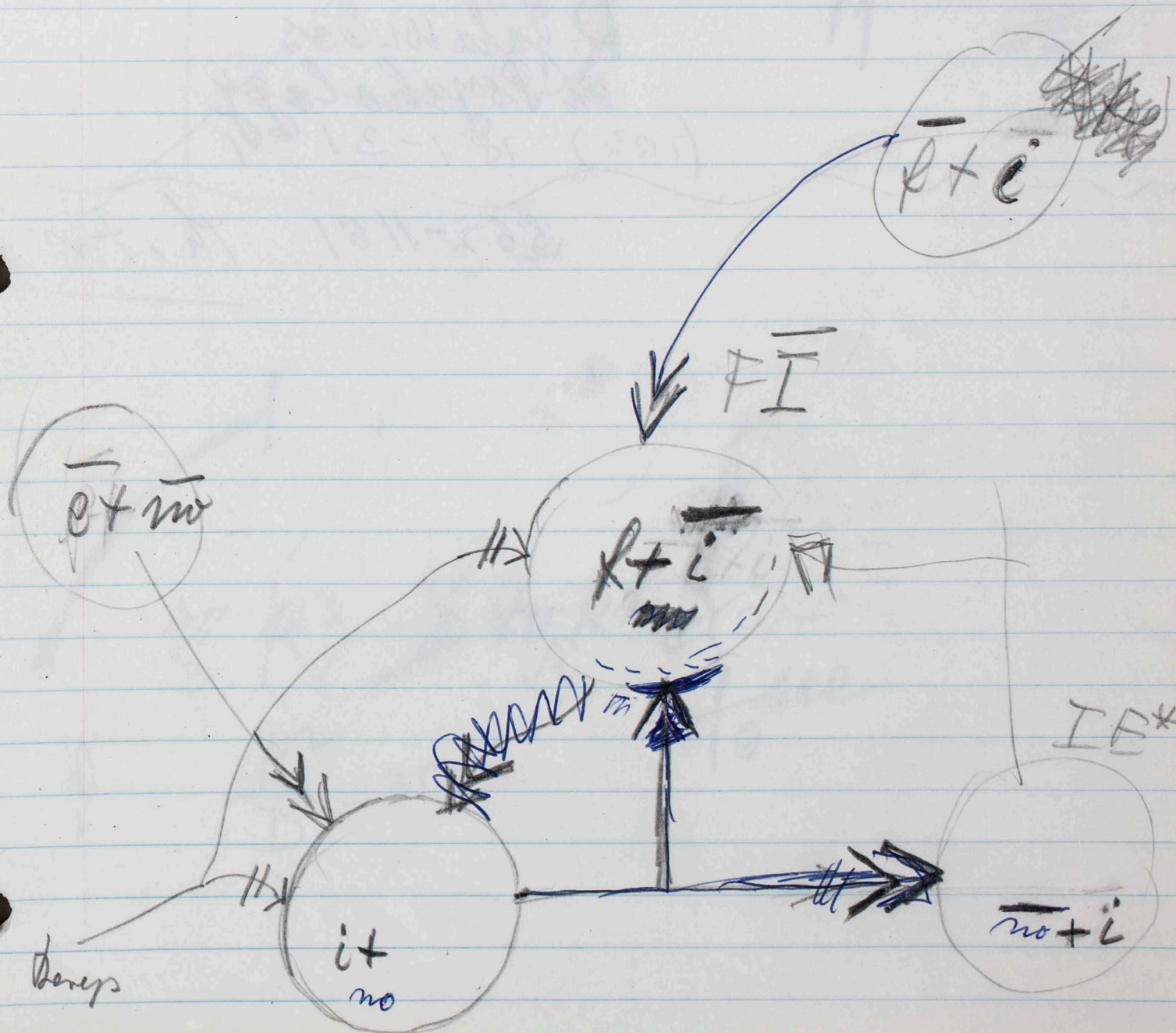





O.K.
extender

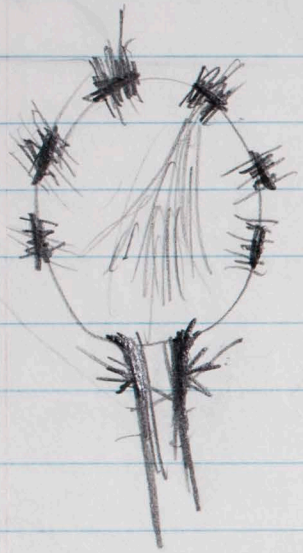
Try again

May 4/64



66255

Mary A. B. Brazier
The Electrical Activity of the N. System
McMillan
latest edition
after 51-



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562-1161 Th. Fri

Diffusion

$\pm \frac{1}{2} 10^{-3}$ cm distance

τ

10^{-5}

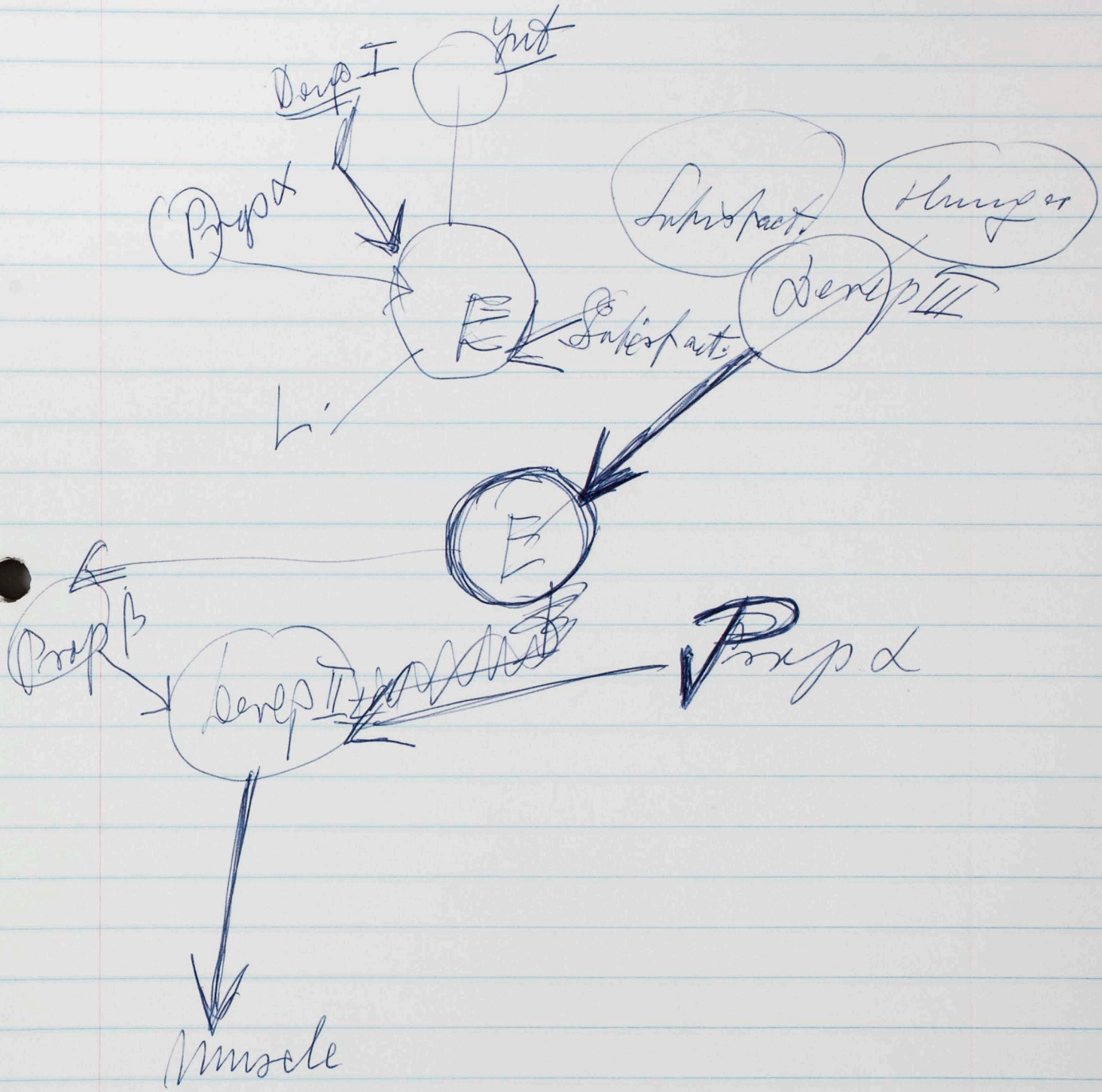
$\frac{1}{cm^2}$

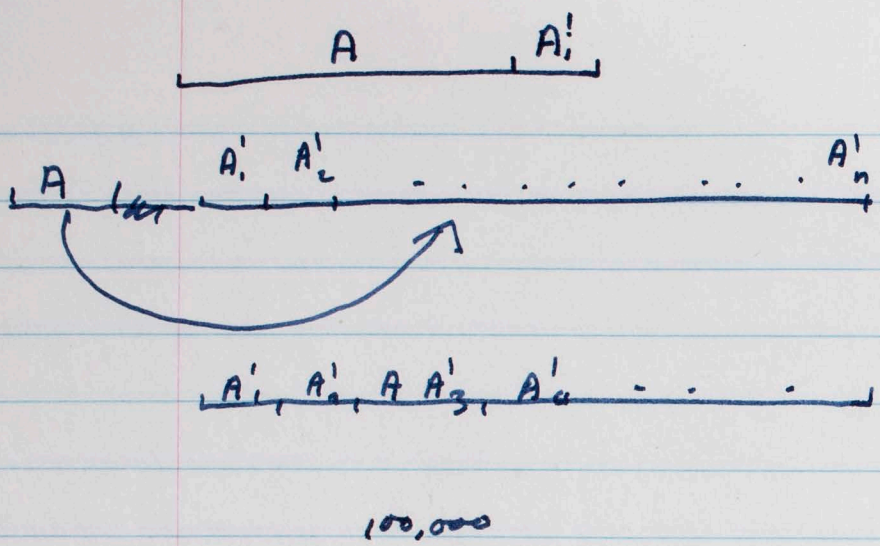
$\frac{4\pi}{3} R^3 = \frac{1}{4} 4\pi R^2 \tau$

$\frac{1}{10}$ sec

$\frac{R^2}{D} = 3\tau$

Operant Cond





100,000

28 336 //
12 330

Skinner Un 40848

P. 2nd para 1st line Eliminate comma.
last line 1st page punctuation
Spelling of acquiescence

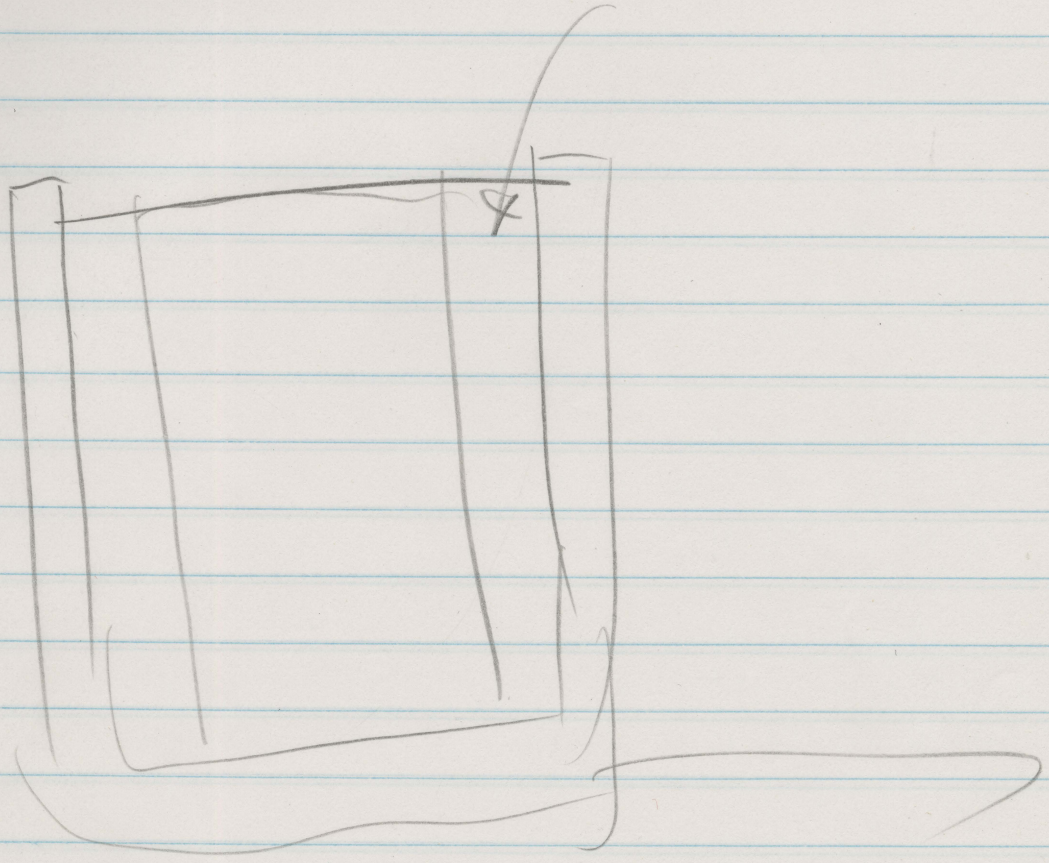
Reviews E
What percent to authors
What percent to source
preference to rapid
compound stimulus
does he threshold theory
testing

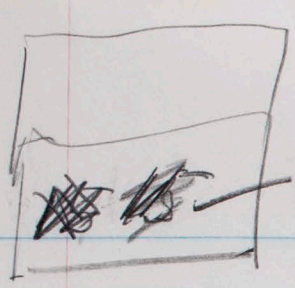
permeable to messenger RNA-s

multiformed responses
as an example
for brain networks
a first guess

Frederic
Psychologist
Brandeis

Sue Summers
Musical Sch. Scales (Colgate U. N.Y.)



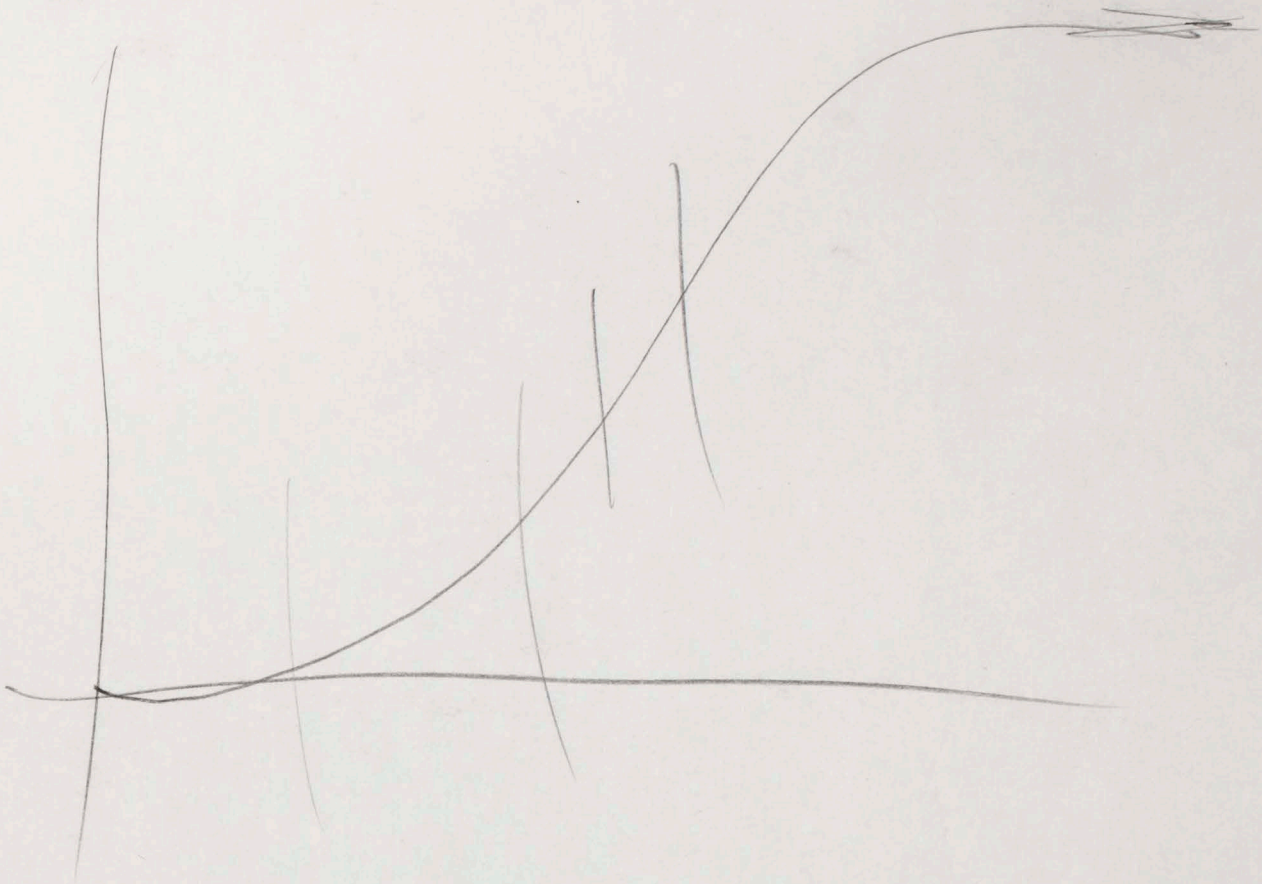


~~15~~ + 13 1/2

and 15 should be left

with 1 1/2 + ?

32 million + 1 million
equipment or supplies

South 4 million + 1 million

13 1/2
6
19 1/2 + 2 for equipment