

H-41



ROYAL

COMPOSITIONS

NAME L. S. 211

57 N. 7th St

Chicago

VERNON **ROYAL** LINE

How Hold Acker
 Harold ~~Hess~~ Elwood Jansen
 No 77891

CLASS PROGRAM

NAME _____ ADDRESS _____

SCHOOL _____ CLASS _____

		PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4	PERIOD 5	PERIOD 6	PERIOD 7	PERIOD 8
TIME	FROM								
	TO...								
MONDAY	SUBJECT								
	ROOM								
	INSTRUCTOR								
TUESDAY	SUBJECT								
	ROOM								
	INSTRUCTOR								
WEDNESDAY	SUBJECT								
	ROOM								
	INSTRUCTOR								
THURSDAY	SUBJECT								
	ROOM								
	INSTRUCTOR								
FRIDAY	SUBJECT								
	ROOM								
	INSTRUCTOR								
SATURDAY	SUBJECT								
	ROOM								
	INSTRUCTOR								

MANUFACTURED BY S. E. & M. VERNON, INC., NEW YORK, U. S. A.

Lerman
 No 4-3859

2716

[Handwritten signature/initials across the bottom of the table]
 ... on 150 ...

Albert Levan

Inst. of Genetics, Lund,
Sweden

Vicia Faba }
Allium Cepa }

Radom (mutations by Phenol)

Tjio and L. Phenols, Amines. Pyrogallol, Hydroquinone
Paraquinone

" " Quinoline, Acridine derivatives

Kihlman and L. Caffeine, Purines

caffeine 0.02 to 0.4% gm/100cc

Bengt Kihlman and A. L.

Hereditas p. 109 XXXV 1949

The cytological effect of
caffeine

ethoxy caffeine

Banking

(grown in broth)

Serratia H₂O strain (red)
plated on synthetic medium
gives 10% white, invertible
(reverts to red).

Growing in ~~red~~ synthetic
medium gives more white
(looks something which grows
more slowly than cell on synthetic
medium)
does not seem to be related

Wittkin

H

B/r loc⁺ 1 in 20000 loc⁻ spont
spontaneous loc⁻ are stable [28 individuals]

(less than 1:10¹⁰) ~~both~~ both in
spontaneous and V.V.

V.V. induced loc⁻ are quarter
unstable to spont. recessions and
strongly responding to V.V. induction
(spont. recessions ~~from~~ from 10⁻¹⁰ to 10⁻⁷
rate)

Ratio of VV induced to spontaneous
mutations (in VV produced loc⁻)
is constant

ooooo
Jesse Flint

Jesse Flint:

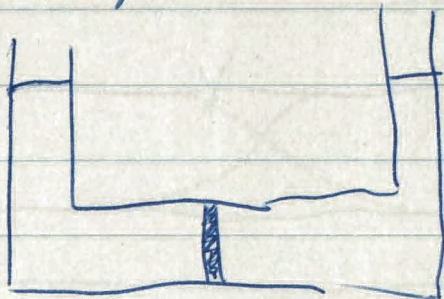
Zinder

M

T₂ M-M- ~~42~~ X T₂₂ [P₂ + T₂] T₂

A pin 100000 fermentation.
B

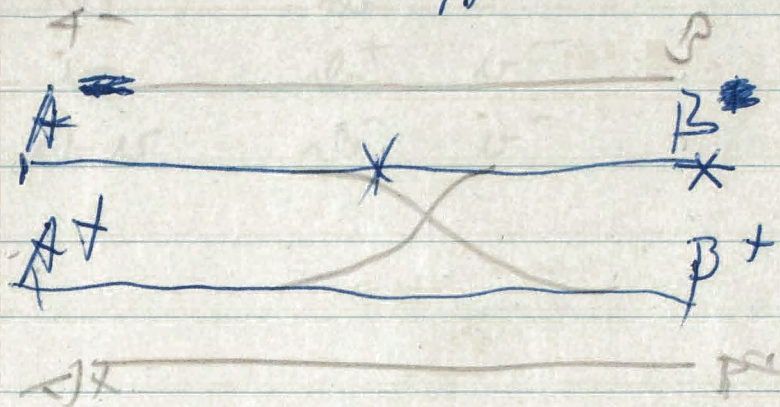
all prototrophic like B



[Faint, illegible handwritten text]

Bowmer

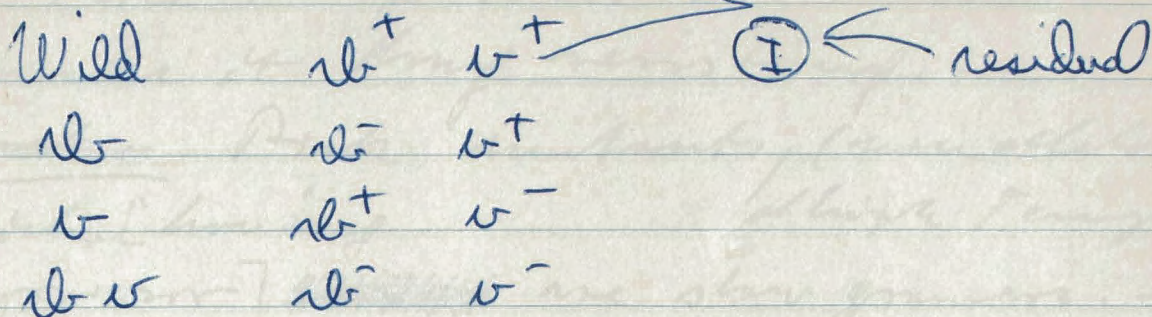
1.) macin or hypotaphane requiring



N Jansen case (disorder of eye)

Allen S.

Fox



For Ovary

H

Take Temp sensor and
make it drug resistant. —
Acute Prok mutants, (non allelic)
which [showing ^{at high Temp}
sensitivity] ~~are~~ are slow growers. —
Expectation: Temperature sensitive
part will remain drug resistant +
Non temperature resistant part will be
drug sensitive. —

Quercus

Uniplane

Plural

Formation

Alkylen Oxide 2

unobord oil no large deletion

Formation and unobord gas plus large deletion

Musick in Fr what problem (2 fides)

What is this story of third bread
two highest mutation manifestation
(doubting of third bread) mutations of

subsequent effect after
30 min

Factor 100 from 5°C to 37°C
Temp effect

progeny resistance
lactose fermentation

and 5 autotrophic reversal kinase
2 ^{trypt} methionine

no specificity of effect

in addition
to specific
injection
indep.

UV + Min treatment gives fewer mutants
than UV alone or Min alone

↳ prophage lactone no killing
mutagenic. -

Dumires

Sd-4 \rightarrow Stress \rightarrow Stress \rightarrow 1.4×10^{-8} / but

0.0 ~~4~~ $\frac{0}{0}$ Muller 1 hour

0.15 Muller NaCl

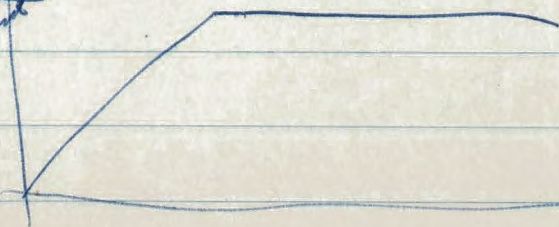
0.05 Dextrose food added
to Muller solution

Resting >>> crawling
activated >>> not activated

Mag had for effect

Ph buffer impresses effect

at few
thousand



curve

Abstract

Discussion: Gubline (Staan Kikendang) -

S.D.P.A

Wijaya Kurniawan Kikendang [Kikendang]

[Kikendang Kikendang]

Mass

Removing magnesium

E.D.T.A.

erythrokinine taken needle used [Verseine]

[aluminum letter !!]

Westergaard (Mogens) ^{inst. at Geneva} Kapentzger
active dependence reversion

Formaldehyde } may cause mutations
H₂O₂ } without chromosome
breaks

~~Phenols~~ Phenols (Piracyllol, orthochlorine
Urethane

Ketene C₂H₂CO

Ethyleneimine

" " alkyl

no reversion ~~seen~~ but
mutation (lethals) in flies
and chromosome breaks in plants

Lucy Love

num. of exp. Zoology (1830)

2 Papers on Stereosternum

Ulmomyces caribardii - used by paper
probably used by some good student
at Cambridge
Dr. Harold Peckham - succeeded in the

Ruth Sager

Perkins (broad) Bradford
Fungus (A mint) single cells

$T^+L^- \times T^-L^+$

||

Ulamydomonas reinhardii used by Sager
probably used by same grad-students
at Smith (retired)

Dr. David Reppert succeeded Smith

Within (paper)

[Lettering suggests spheres of
 potential more lenses
 because they are unimodal]

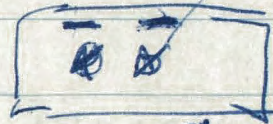
[AB]

[A] / 100

[B] / 100

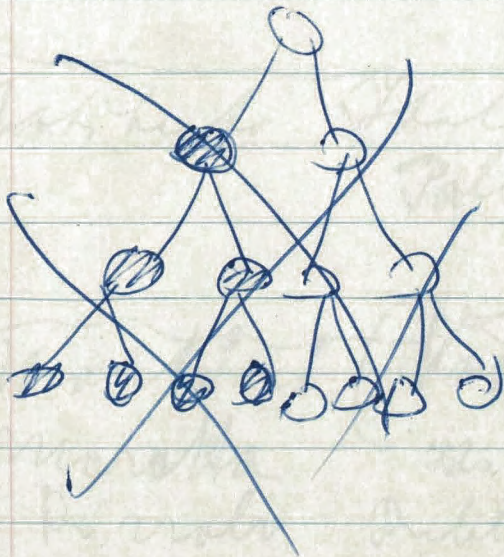
$$\frac{[AB]}{[A][B]}$$

$Lac^{-} V^R$ normal



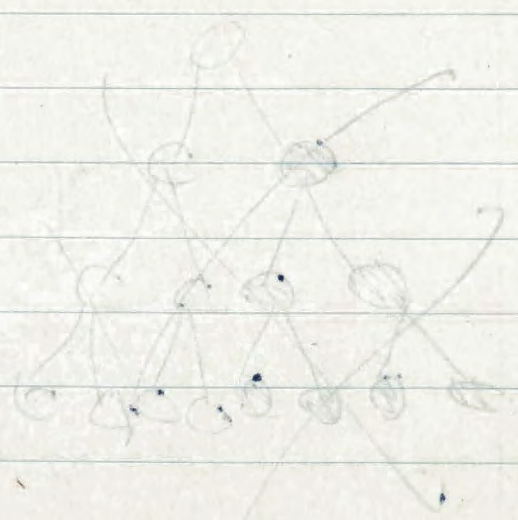
no rec

$$Lac^{-} V^S + Lac^{+} V^R$$



Antonio Carelli Istituto di
Fisica, ~~Aty~~ Università di
Napoli. Naples Study

[1971]
[1971]



Inzetti Traverso, ~~Widow of Padua~~
dept. of genetics Pavia

Assistant 22-26 [32000/month
for single man 625 lire = \$1
1.5 litres grapes
to wine. — for
an

Extraordinary
for single man
after three years [52000/month

Professor [58000 to - 78000
at high age
Month]

Instituto Italiano di Hydrobiologia
Pallanza, Novara, Italy

Montini (Vatican)

Marotta

Bizzoli

Mazzotto

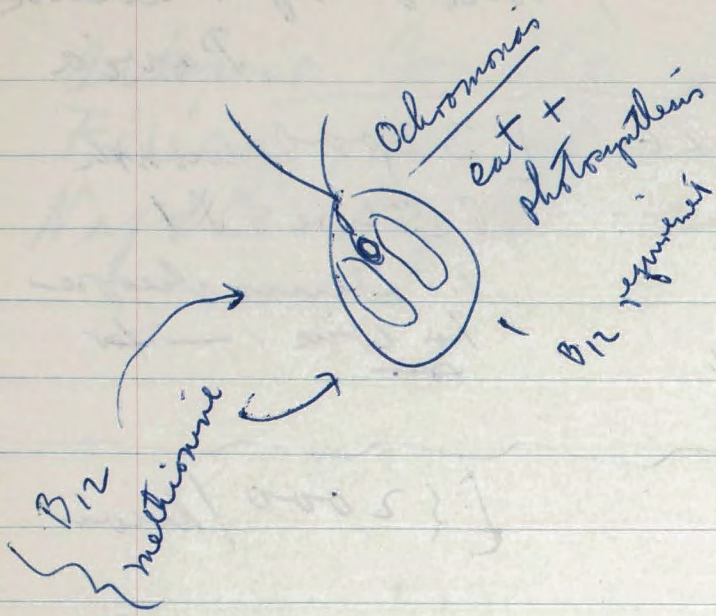
Brusadelli

Istituto di sanità pubblica
Roma

Publisher Milano

Wool manufacturer Valdagno

Wool & Milano, Vicenza

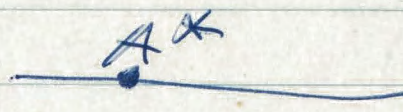
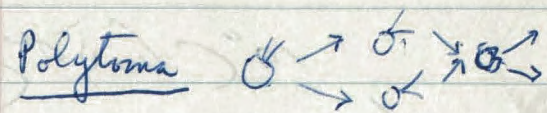


Rubus

does not grow
on the dach

W

Chlamydomonas moewusii } sexual
reinhardi }



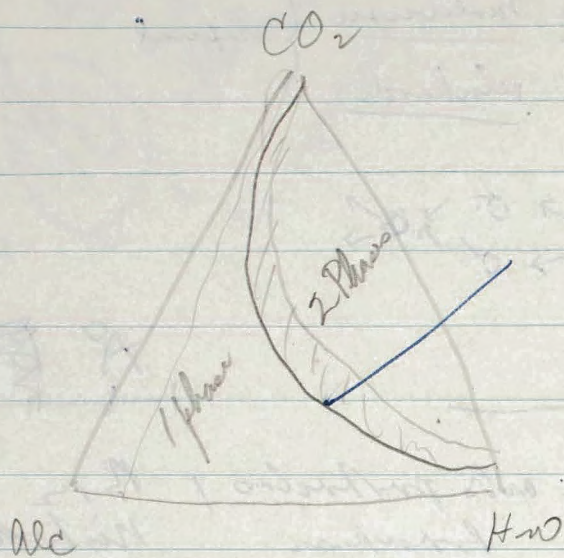
Chrysoomonads eats protists, B₁₂ among
Isotricha Nitrospirae
Nitzschia Rhodospirillum rubrum

Ferric phosphate ~~at~~ P.H.
above P.H. 5.5 gives precipitate

Chelating agent (citrate 0.05%)

Intrate [Phe above 7] ^{low} ^{day citrate 2H₂O} more stable
in light

Versorene ~~[P.H.]~~ not used
colored, use at all P.H. - 3



10°C to 50°C

Tam F. Anderson · Juliusen Family

75% 5%

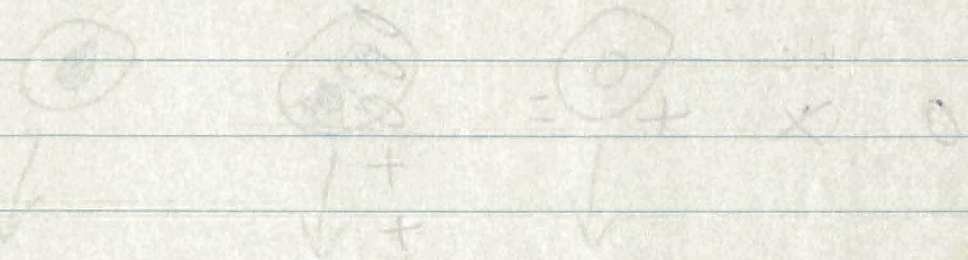
subsonic wall 1/2

V/V

breakdown

normal growth or minimal

plate or membrane



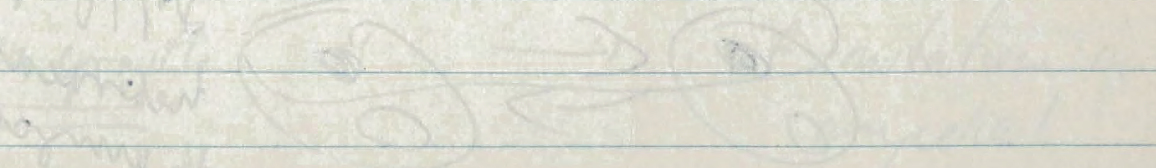
axial normal axial no growth

axial normal axial no growth

axial normal axial no growth

axial normal axial no growth

axial normal axial no growth



axial normal axial no growth

Number of F₁s which give
no mycelial growth number
of trials
5% of those missing

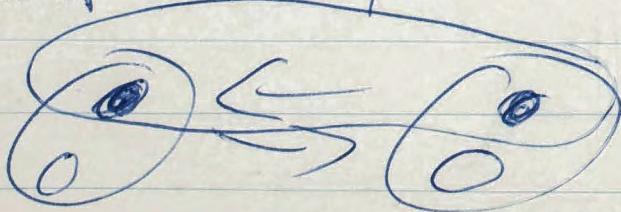
$$0 \times + = \begin{array}{|l} 0 \\ 0 \\ 0 \\ 0 \\ \hline + \\ + \\ + \\ + \end{array}$$

A B B C A E

 blue blue dead

(mycelial)

of a pair of incident, none which gives

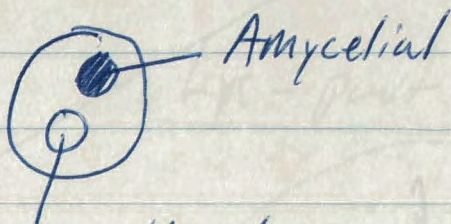


5% gives
heterozygous
of mycelial
growth

Almond



A B
95% 5%

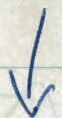


ornithineless

+ UV

Normal growth on minimal

Plate on minimal



Amycelial

normal

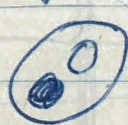
no growth

≠



allow to conidiate then

plate ← complete



Amycelial

normal

no growth

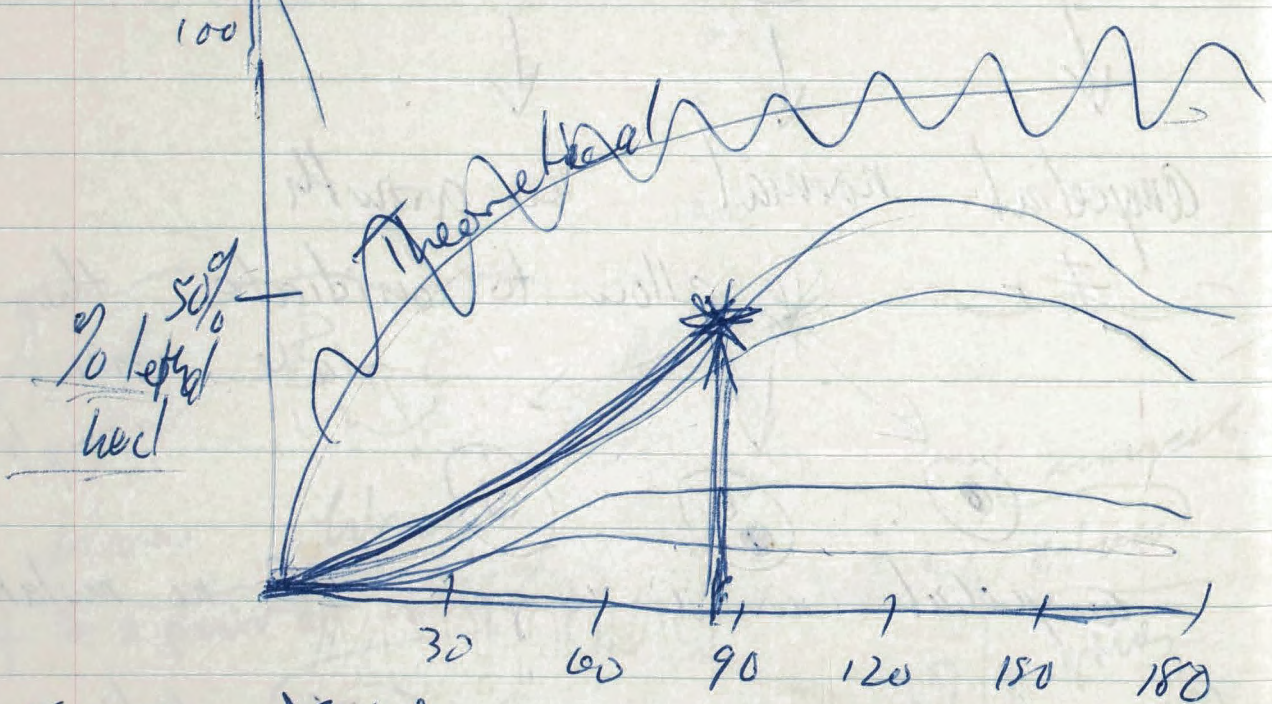
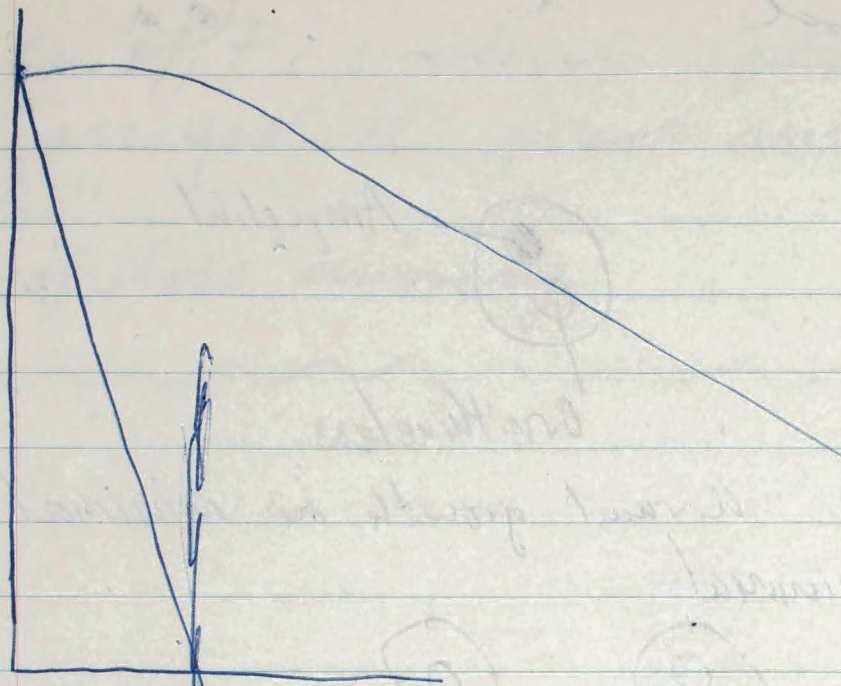
IF no mutation

no growth

"

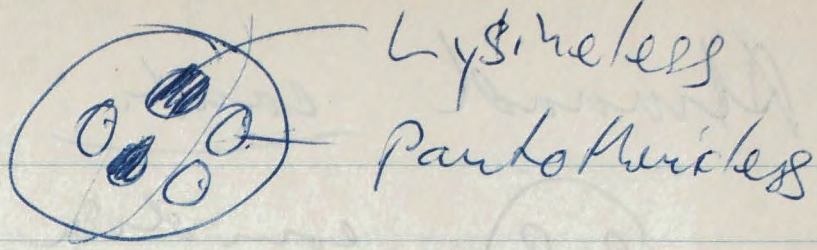
"

IF mutation in amycelial



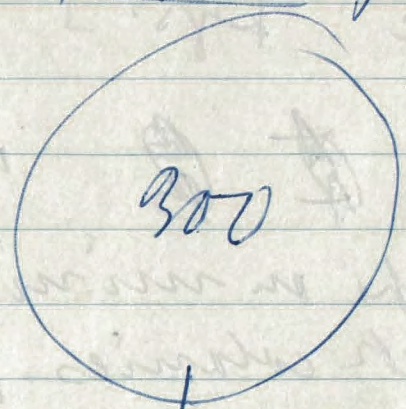
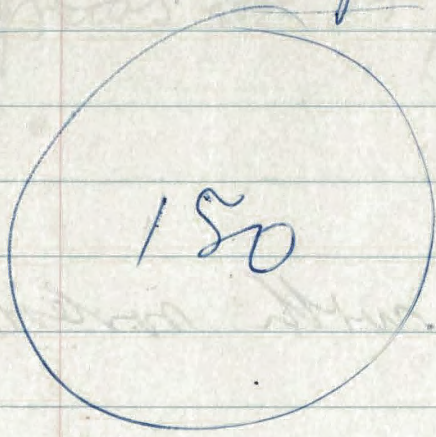
5 Watt Sterilizer, 15 cm distance

H



10⁸ plate

Lys - pant plate



isolate these
and retest.

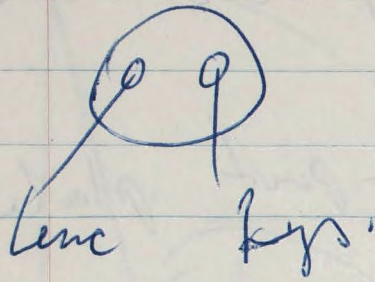
All homologous

10⁴ / 10⁸

1000

10⁷ / 10⁸

Almond cont.



conidia (^{nuclei} 2 ~~cell~~ ^{masses})

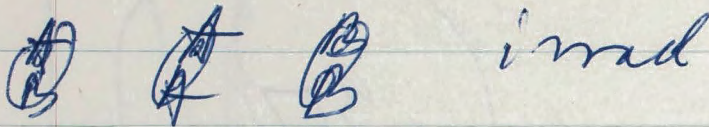
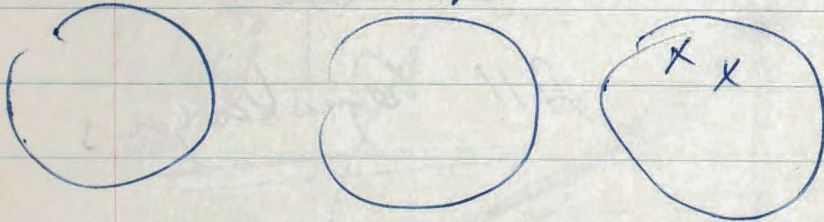


plate in minimal with several
rich colonies [AB]

from each culture grown on agar
have conidia. ~~the~~ ^{the} ~~nutrient~~ ^{nutrient} are

AA AB BB

planted ⁱⁿ ~~media~~ ^{media} ⁱⁿ ~~media~~ ^{media} ⁱⁿ ~~media~~ ^{media}



nut x M+y M

when

Summer

Wells Fries strain of yeast
 grows ~~in~~ as Papadoll [Hendollos]

Time	Temp	Yeast	Substrate	Notes
0.00	20.0	0	0	
0.05	20.0	0	0	
0.10	20.0	0	0	
0.15	20.0	0	0	
0.20	20.0	0	0	
0.25	20.0	0	0	
0.30	20.0	0	0	
0.35	20.0	0	0	
0.40	20.0	0	0	
0.45	20.0	0	0	
0.50	20.0	0	0	
0.55	20.0	0	0	
0.60	20.0	0	0	
0.65	20.0	0	0	
0.70	20.0	0	0	
0.75	20.0	0	0	
0.80	20.0	0	0	
0.85	20.0	0	0	
0.90	20.0	0	0	
0.95	20.0	0	0	
1.00	20.0	0	0	

Yeast growth is observed at 0.30
 A → 0.30 → A.P. → A.P. → A.P.

Talk:

H. influenzae

work of Alexander
and Leidy [P.S. at
[^{7 min} Exp. Med.]
Spring 51]

Gram negative, complex growth factors
(hydrolytic type strain)

- Capnophilic transformations -

Austin and McLeod

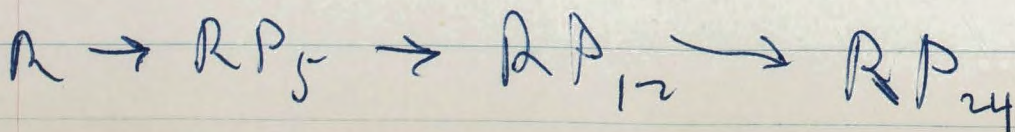
Klebsiella

Produced from R with SP factor

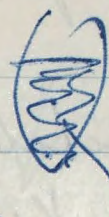
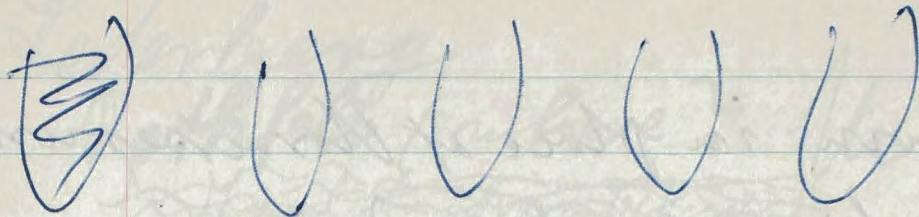
0.15 ~~8~~ / cc RP S
5000 cells 10

<u>Penicillin</u>				
	0.	30 mins	90 min	180 min
0.00	20000	30000	45000	100000
0.02	200	2100	3600	90000
0.03	1	1200	2000	50000
0.04	0	200	200	60000
0.05	0	0		75000
0.06	0	0		1000

Induced by a SP strain
resistant to 0.30



Mrs. K. Johnessi



H

2000x

64

2cc



10^{10} ~~x~~ 3 liters

30 cc stock

dil

1:10⁴

0.1 cc



$$\frac{3 \cdot 10^{13}}{30} = 10^{12}$$

10⁸

10⁷ bacteria

~ 200,000 bacteria

~~50~~

L pernis

Inchaplavin in place of horse serum

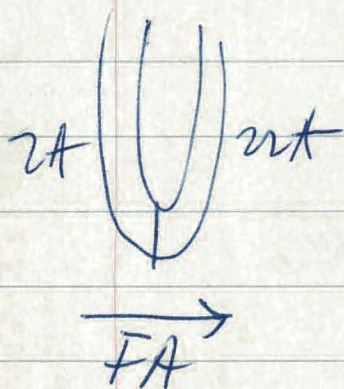
iii. Klenchenger (where?)

Lederberg
Rothfels (where? Mr. Gull)
~~not part of the thing~~ H

Salmonella;

1 in 10^5 recombinant

1 in 10^7 ~~for~~ recombination with
Dad's counterselective



58°C 30 min
precip. alk.
will not destroy FA
mother will

Kleinhenzler *Proteobacteria* *Reveries*
(to come)

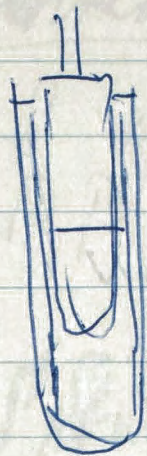
Pandolfi's act in place of phage
1 unit/ml

Harry Kayle

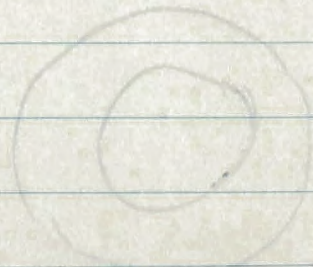
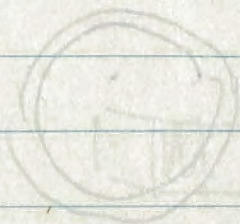
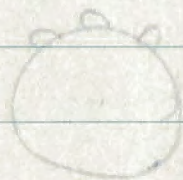
Crustal spher: Fetter Elveghem

Arthur H. Thomas ~~to~~ M. L. L.

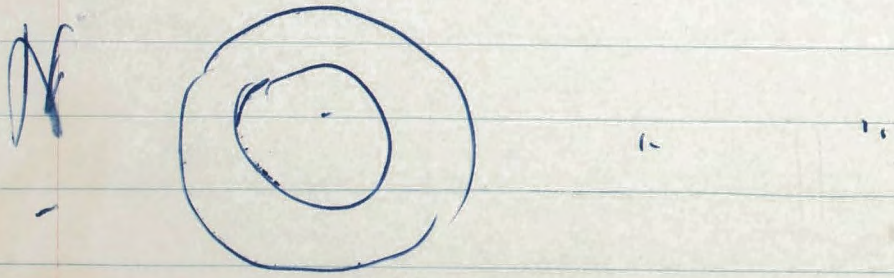
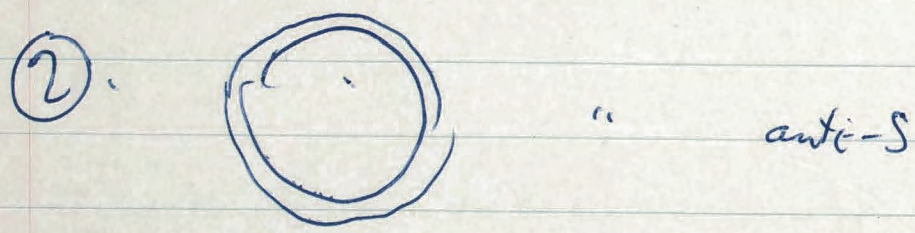
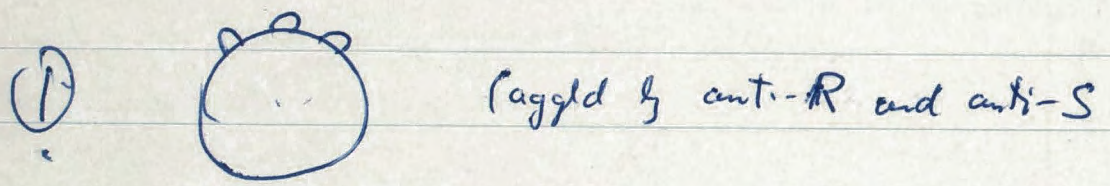
or. Central Sedentary



2-1/2 inch long (approx. 2.5 inch)



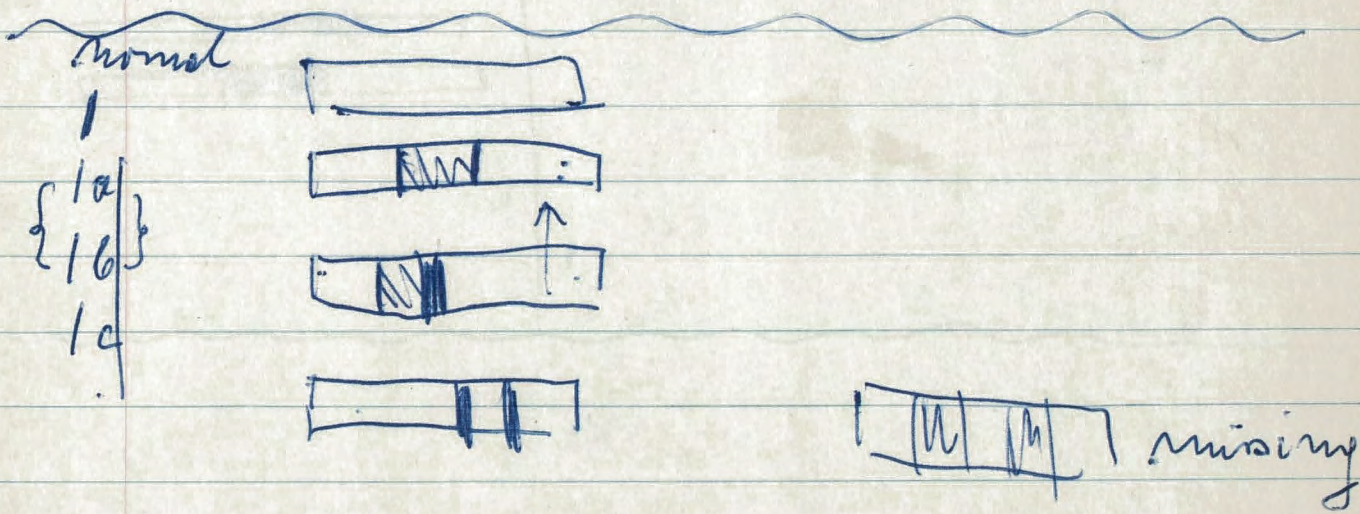
$$\begin{array}{l}
 1 \quad 1 + 1_{a,b} \quad \rightarrow \quad 2a \quad (= 2a) \\
 1c \quad 1 + 1c \quad \rightarrow \quad N \\
 1c \quad 1_{a,b} + 1c \quad \rightarrow \quad N \\
 1c \quad 1c + 1c \quad \rightarrow \quad (1c) \\
 1, 1_{a,b,c} + 2 \quad \rightarrow \quad \cancel{2a} + \text{few } N \\
 \leftarrow \\
 1c + 2a \quad \rightarrow \quad \cancel{2a} + N \quad \swarrow a
 \end{array}$$

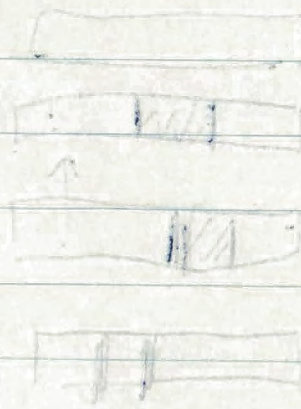
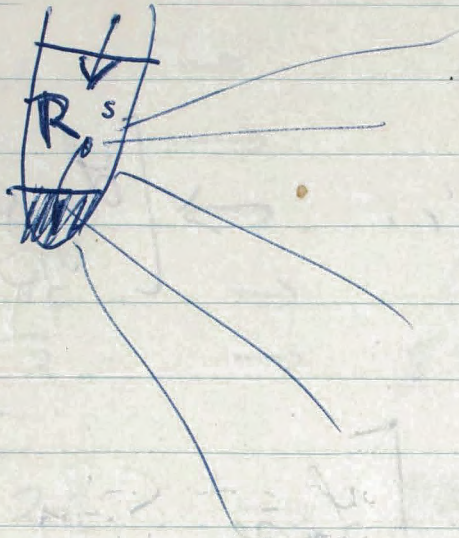


Mrs. Eyrussi - bath, could,
Hotchkiss

S + penic. → [Lysed S] → SP
 RP RP RP

S₁ S_m → [Lyse S₁ S_m] → R then P
 RP RP SP
 RP



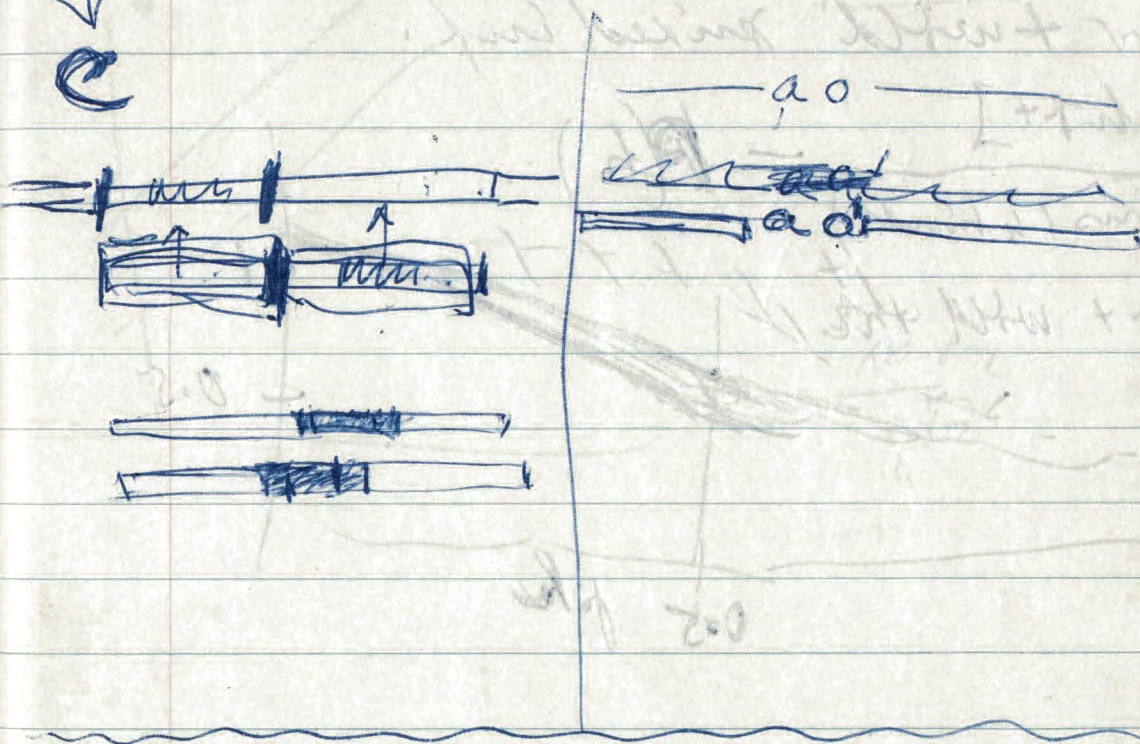


Journal
1
10
10
10
10

Journal 1 10 10 10

Nowick's Interpretation of *Plus Epterus*

A ← B



Herschel

$$\text{cap} = \frac{\text{water on } B/2}{\text{clear plastic water on } B + B/2}$$

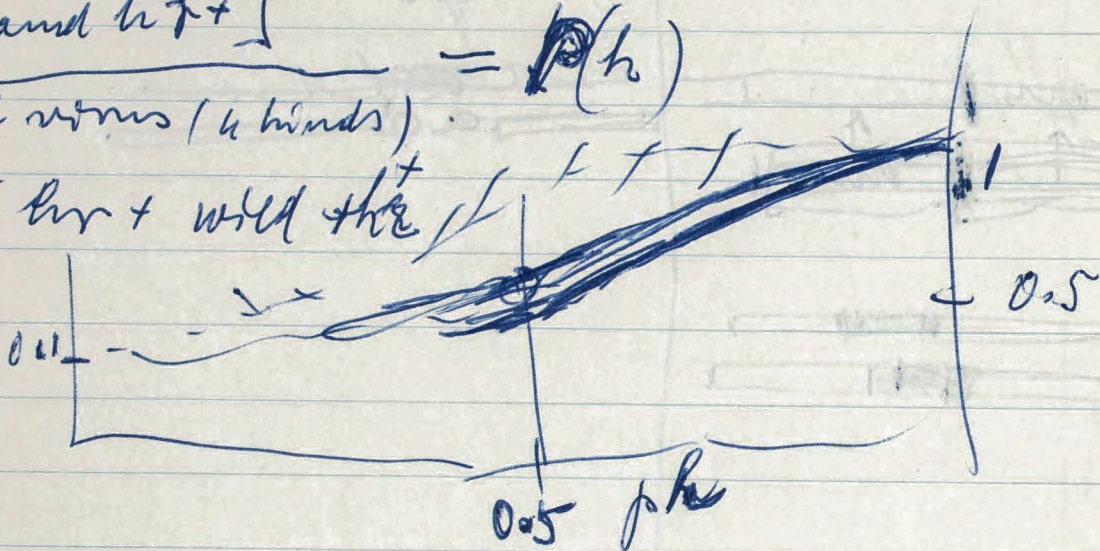
bar + wood mixed up.

[bar and bar+]

$$= P(h)$$

all rows (4 kinds)

bar + bar + wood the



10⁸

10 ⁸	10 ⁸ plugs
	<u>10⁶ bacteria</u>

L

B x T₂

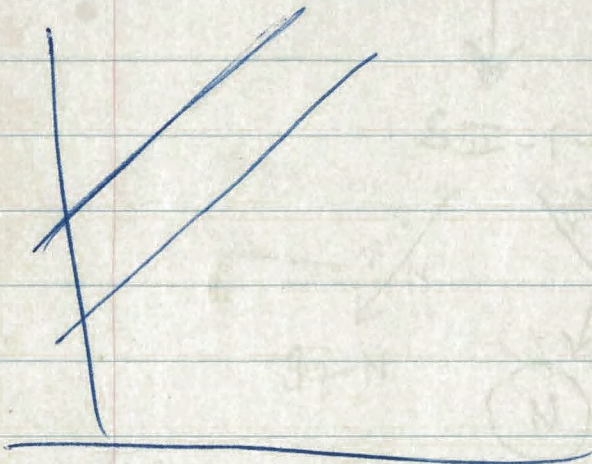
10⁴ Th (unworked)

1 Th exposed

10 ⁴ Th (unworked)	}	100 Th
1 Th exposed		<u>100 Th</u>

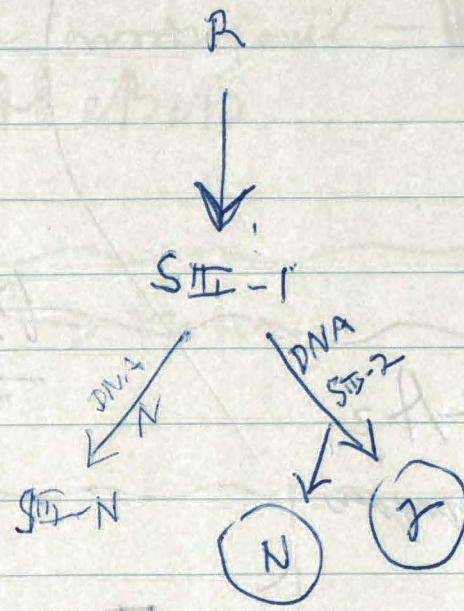
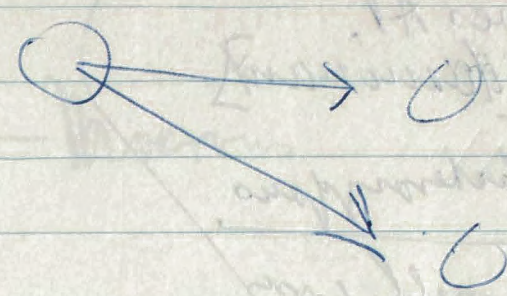
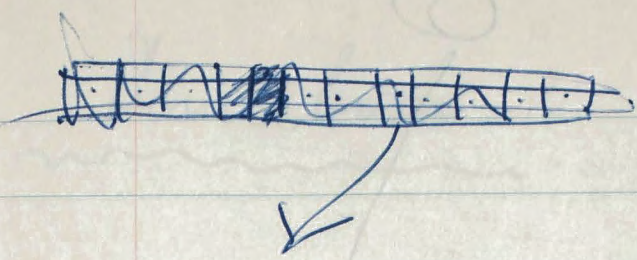
11 imp centers
<u>10/2</u>

1100 exposed



10 ⁸ T ₂
<u>1 T₂</u>
11

ly



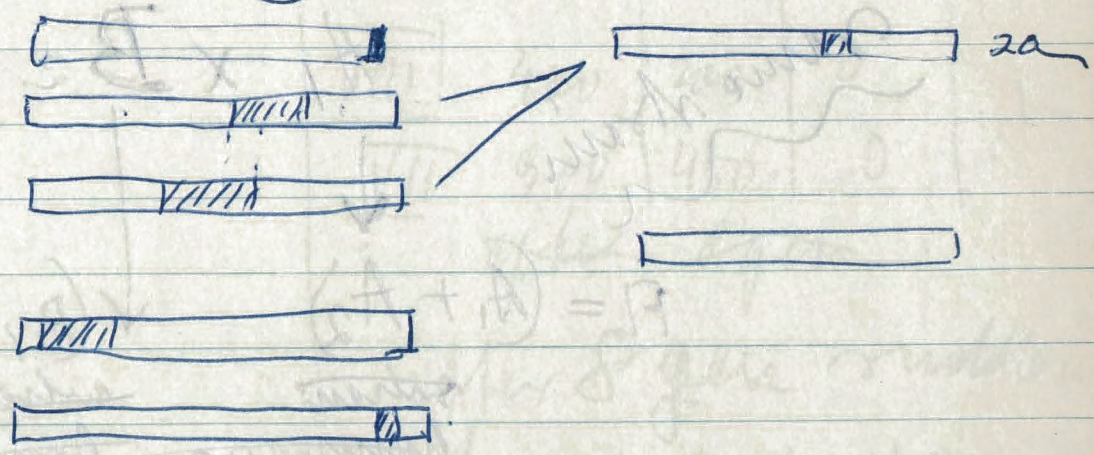
Non

1

1a

1c

2



①

②

③

A_1
 \times gives A_1
 A_2 [dominant]
 when heterozygous

by Huppel
 und Lunden

A_1
 \times gives $A_1 + A_2$
 A_2 when heterozygous

Real

same strain

$A_1 \times B_2$

$F_1 = (A_1 + A_2)$

~~when~~
~~heterozygous~~

$(B_1 + B_2)$

~~when~~
~~heterozygous~~

in heterozygote

Sonneborn

Abnormal crossing over - Moerens
 Ab Ab aB aB

ru^+ → ru^{in}

ru^o

}
}

Nauney

	KK	Kk	kk
<u>VIII</u>	400	200	0
<u>VII</u>	900	450	0

after 8 gen

after 8 gen sudden
 drop (or rise)

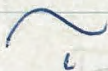
Beal (Edinborough)

$T_1 \times T_4$
Frederique
3 or 4 tubes

C.B. = 1850 or 1857

Hot spring North Creek

30 hickories ← with T_2 ←
always pushing for T_4 but range
leaves $1/2$ of depressor effect.



~~Hickories~~

$T_4 \times T_2 +$

the push $T_2 \times$

$T_2 \times T_4$

pick $T_2 \times T_2$

with T_2 but ~~represent~~ $\times T_2$

pick $T_2 \times T_2 +$

etc. & times

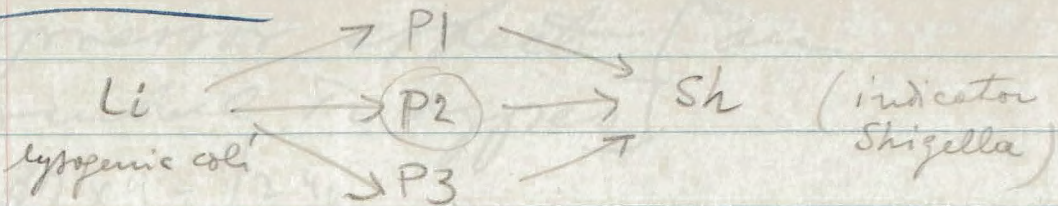
leaves $3/4$ of depressor effect.

However always pushed northward
resistance (coming from T_4)

In hot areas $T_2 \times T_2$ with resistance

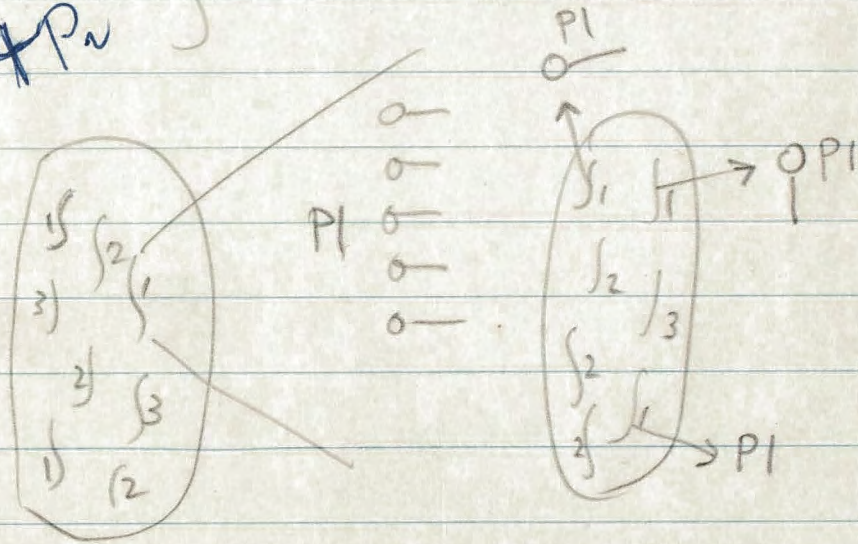
Merbaum

~ ~~Bordet~~ ~~Shigella~~ ~~Wiese~~



$P2 + Sh \rightarrow Sh/2$ - turbid per 55 min
 + $Sh(P2)$

~~Sh(P2)~~
~~Sh~~
~~Sh + P_n~~ } same burst size = 170



100 1* 0.01

P2 h

P2 h_B

P2 + clear & irregular

P2 hz turbid & round

P2 hz h → Sh(P2)

and sunflowers had same
depressor effect (on
presented in types)

$$2 \times 4 = \frac{1}{2} 40$$

Monday N.Y.C. June 10

~~10⁰~~
10⁸B

10⁷h 100 washed

1000⁷h ||

10⁴ 7^h ,

100¹⁰ 7^h

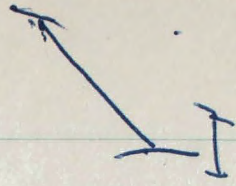
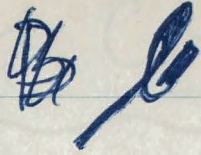
~~10~~

100

10⁸

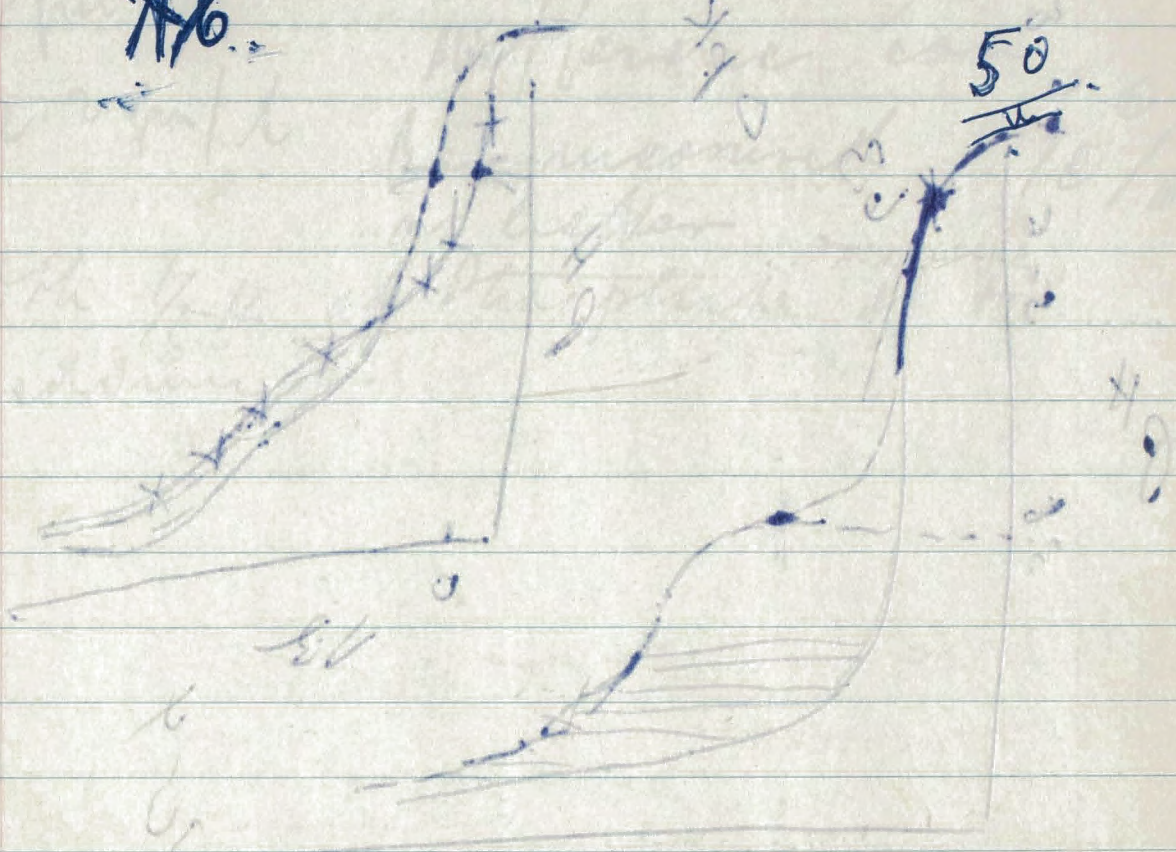


A



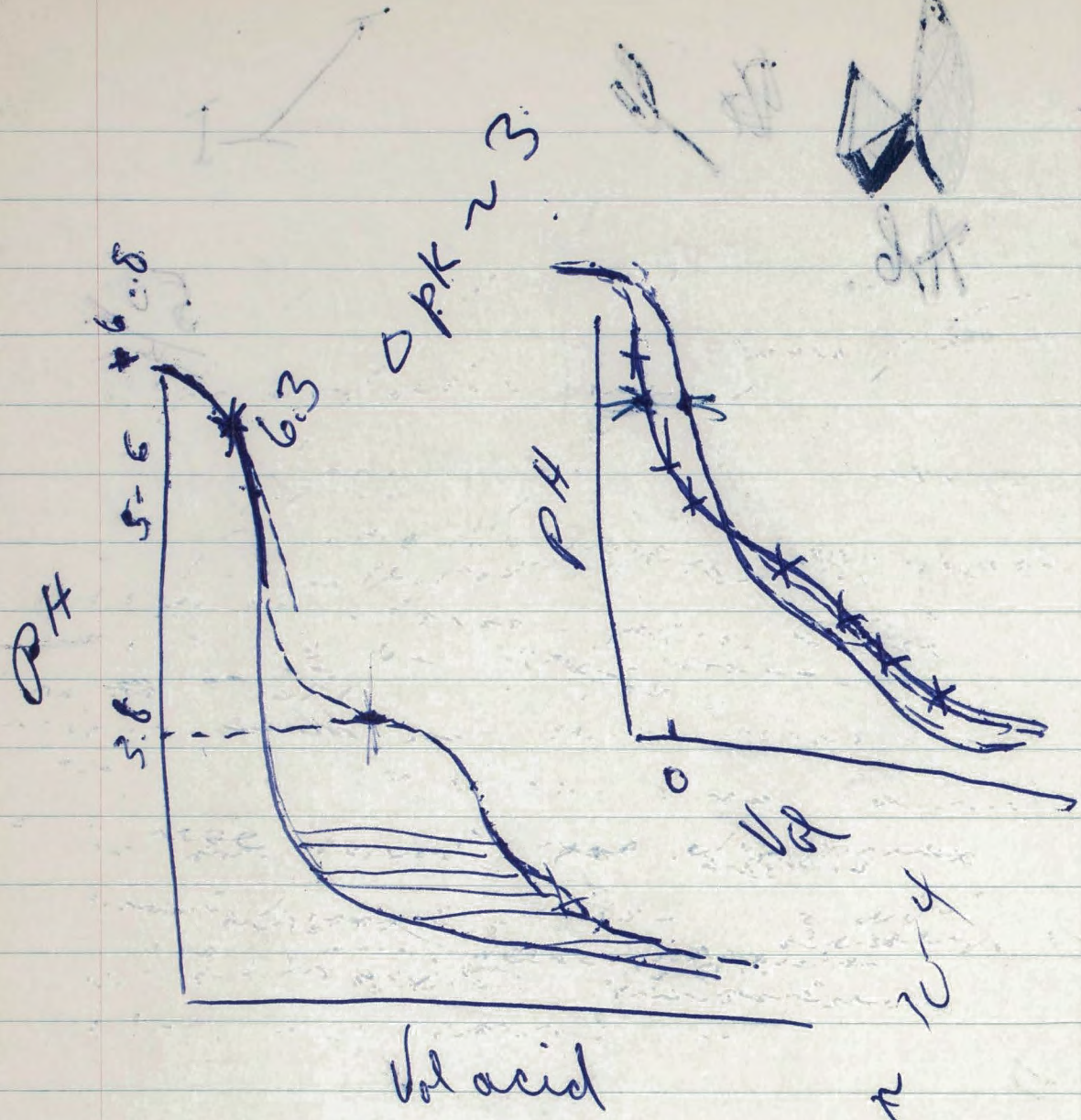
A

AB



50

[Faint, mostly illegible handwritten text at the bottom of the page, possibly including the words 'The machine' and 'is a'.]



Order #
 glass electrode
 Na phosphate (buffer) electrode
 another Calomel electrode
 shown
 Farstiel Chemical Co

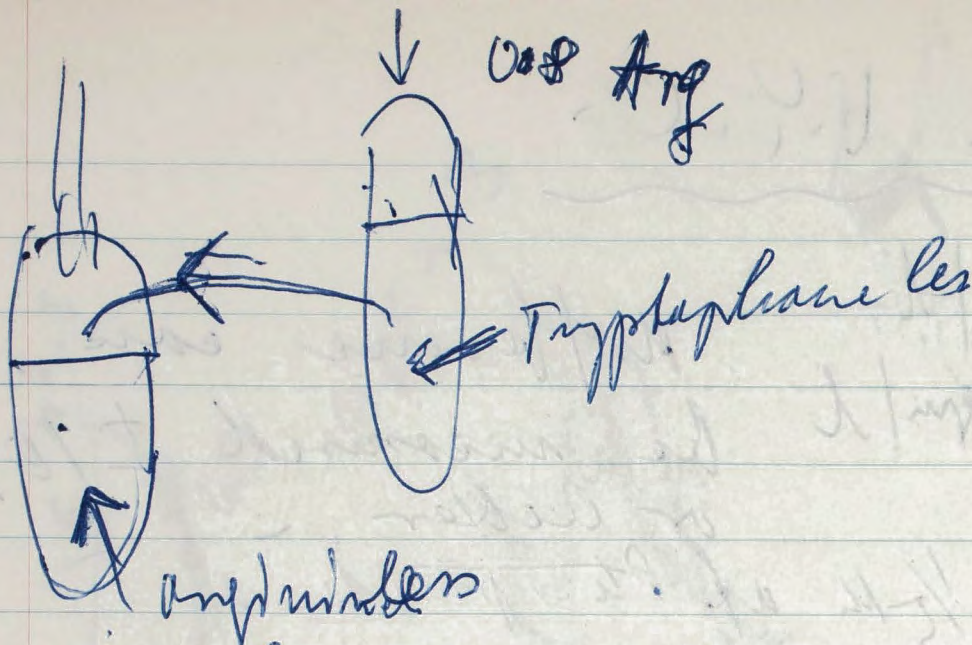
For V.V.C.

2 gm/l

2.2 gm/l

Difference can
be measured $\pm 10\%$
or better.

with $\frac{1}{5}$ th of phosphate of F
medium. -



Great Disturbance: Schweregeart

$$n_2 = n_1 \frac{w_1 + w_2}{V_2} \cdot \frac{w_1}{V_2}$$

$$V_1 = 20$$

$$\sigma_1 = 2 \text{ hrs}$$

$$w_1 = 10 \text{ cc per hour}$$

$$a) \frac{w_1 + w_2}{V_2} = 2 \text{ hr}^{-1}$$

$$b) \frac{w_1 + w_2}{V_2} = 2 \text{ hr}^{-1}$$

$$\text{for } V_2 = 20 \text{ cc}$$

$$\text{make } \sigma_2 = 50 \text{ min}$$

and optimize 10 times as much in

Anker

- 1.) Phagostat (reduced)
- 2.) B/t + B/arg (no reduced)
- 3.) same as 1 with ^{red.} (guanine
Thymine
Thymidine [Kostoff
minium Banks

→ second bank than in first bank.

First growth tube at $2.5 \cdot 10^8$ / cc

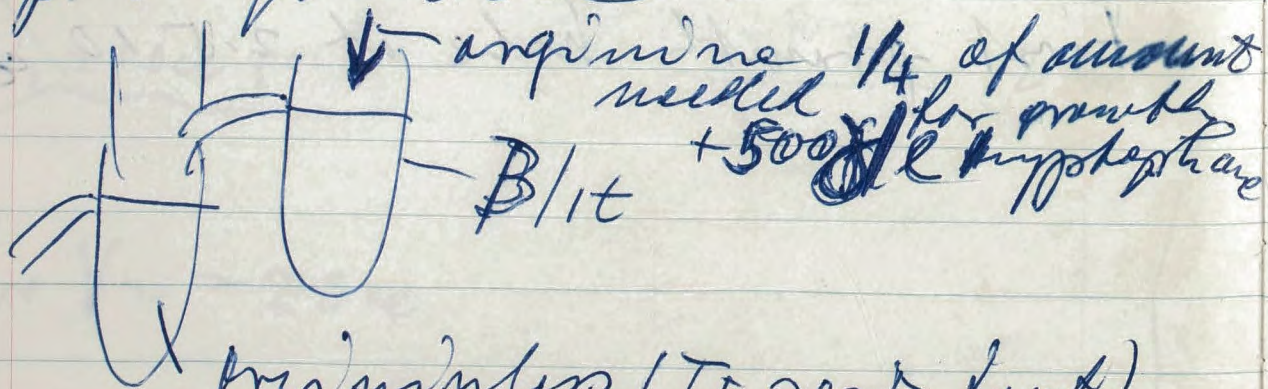
6.) Adenine ^{labeled}, with
11m go down with increasing τ

rather look at DNA for different τ .
with hypophosphate control

7.) Adenine control; mutation rate
as function of τ

~~Biowest~~
Salisbury Cove Laboratory
Mount Desert Island Maine
BA 0406 597-442

Exp. for determining level
at which wild type takes
up arginine.



arginineless (TS reads faint)
no hypophosphate
no added arginine

Number 2

1) \rightarrow 20 hrs what about numbers

2) Phosphat \rightarrow ; T_2 h

3) B/6 with Thyophyllin

~~1/2 B/6~~ \rightarrow Thyophyllin control
lactate control

mount B/6 at 0-2 hr to 12 hr

catch low, fort strain 2.5×10^8

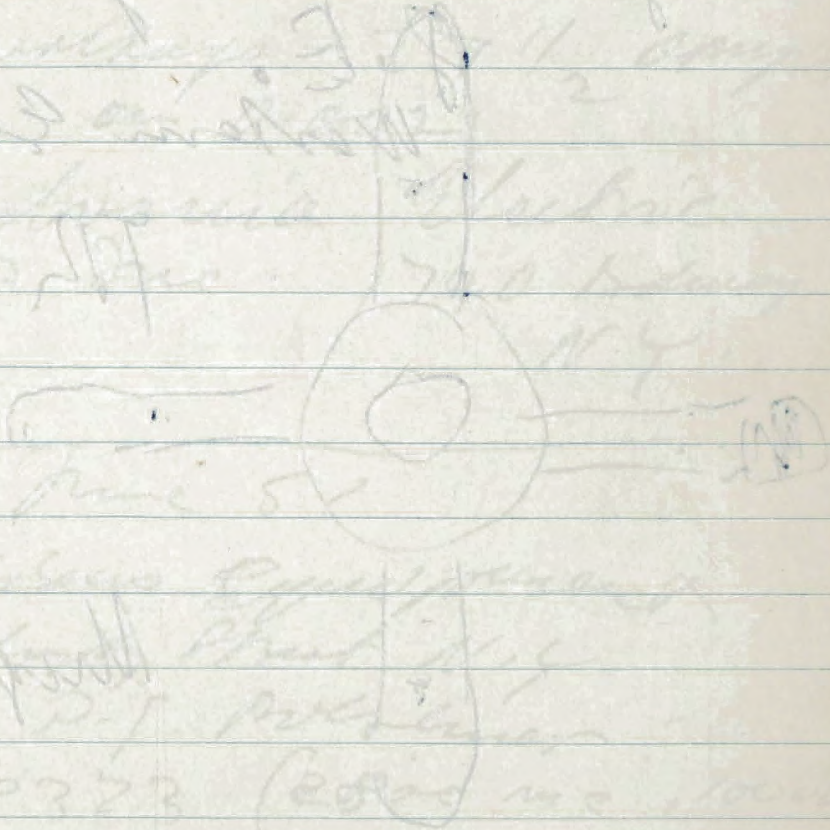
80 cc growth tube

control large ~~20 cc~~ 20 cc
plate $2 \times \frac{1}{2}$ cc

4) 1/10 B/6 + 99/100 B
in chemostat

5) ~~the~~ spontaneous
and Thyophyllin induced
ratio of B/14 to B/15
on B, lactate Δ + Thyophyllin

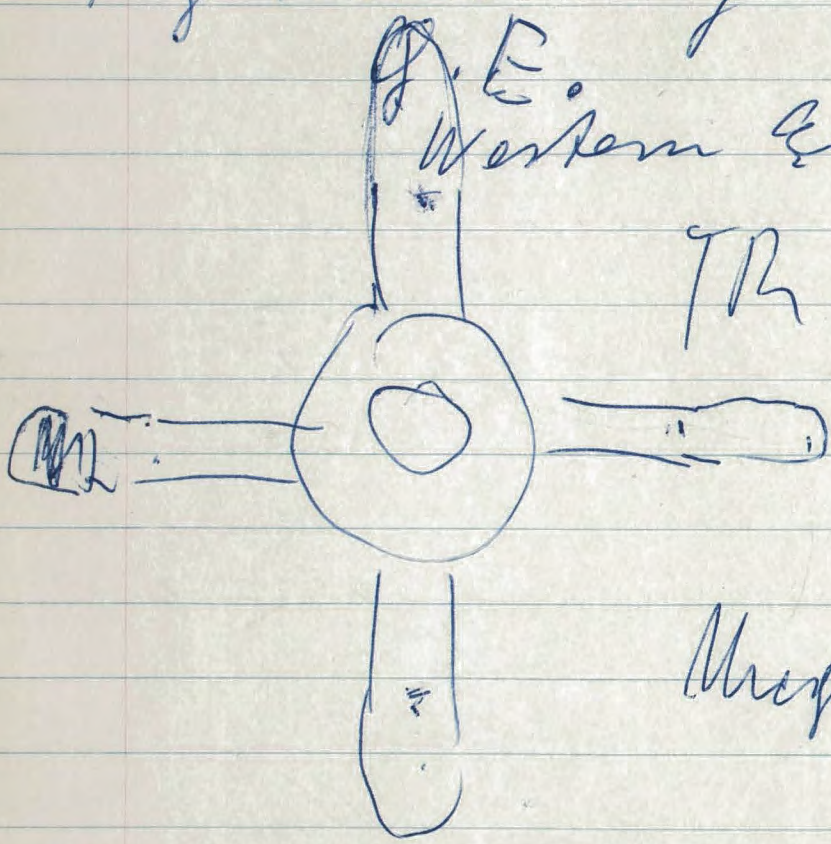
For Fox (Förster) determine phosphate
in Phosphorus Ltd. ~~exp.~~ (magnesium forster
forming lens may have more nucleic acid
and more phosphorus)



~~Pulser for it K250~~

type 250 hours minimum.

For auxiliary equipment by Brownings Co



watt pulser
Meyers

Thaddeus system and equipment
 transmitters " P. DDP in
 " Electronics uses guide
 G.E.; RCA; - Spring etc

Uroon

Uroon 47 TP

8000 megacycles ~~2750~~ 3 cm

0.3 megawatt pulsed

225 watt average

minimum 20 to 23 KV

pulsing voltage - 27 1/2 amps
on 0.002

Pa. Sylvania Electric
Products Inc. 1740 Broadway
N.Y.

Proc. IRE June 51

Communications Equipment

Co 131 Liberty Street N.Y.

Dept 1-6 P.J. Polster

Main 48323 (2000 m.c., 1000 kHz)

Inlet 720 B4L

720 C4 2060 m.c., 1000 kHz

Firms:

J.R.E. - Sweeney X75

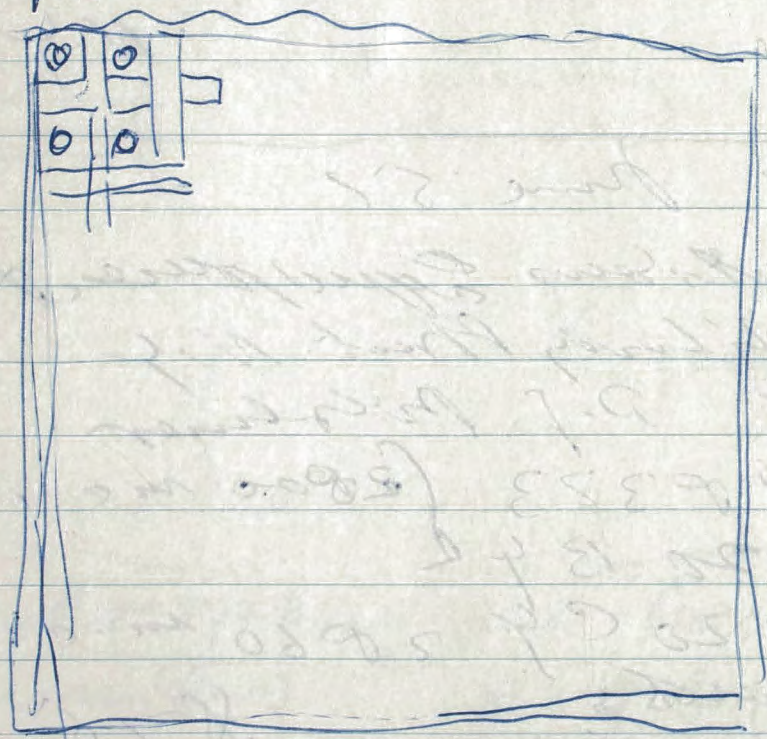
See Also Electronics Buyers Guide
1950
Under Tubes

2000 lbs a 10 cent / lb

\$2000 per day

replacement \$100 for each
magnatron every 10 days or
4000 dollars per 10 days. -

- 1) heat up after processing
- 2) window holes synchronized with
magnets deflection
- 3) rotating even
- 4) several magnatron ~~sequences~~ in
sequence



Western Electric
write to
O. Carpenter

Hydrogen Hydratron

March 1957

See Burden of Sec. Instruments

Req for 7 MEV electrons
25000 Gauss cm

Assume need: ^{20,000 lbs/day}
1 kg per 10 sec or 3 shifts

2000 cal \approx 10KWatt in 10 seconds
or 1 kW ~~in~~ output or 4 kW input
this may mean 4 magnetrons
a 1 Megawatt only 1000 pulses per sec

MIT / ork Hägel
Purdue

Atomic Energy Research Establishment -

10^6 Watt

0.1 Amp

Fry Nature 160, 357 1947

Grinnell and Larch Proc. Phys Soc. 61

Harvard at " " " " Sept 40

2 M Watt at 50 μ /sec. = 100

mean power in beam 60 watts
30% efficiency

2 M Watt $2 \cdot 10^{-6}$ sec. 50 = 200 Watt in

R.F. -

For steel lead see tube length = 2 meters
gives 4 MEV

Radiat. Res. Lab. Harvard Univ

Confid. report No RR 411-229

D. W. Fry Nature (62)
858, 1948

F. L. Chen, W. W. Hansen J. Applied Phys.
18. 996 (1947)

Am. M. L. Report 140 May 51
quotes;

J. E. Becker, D. A. Cornwell
Rev. of Sc. Instr. to be publ.

M. B. Neal M. L. Report 132 (1950)

X Finckel, Hansen and Kennedy Rev. of
Scient. Instr. Feb 1948

Hansen and Prost J. Appl. Phys 19
1058 (1948)

X Proc. Phys. Soc 61 267 1948

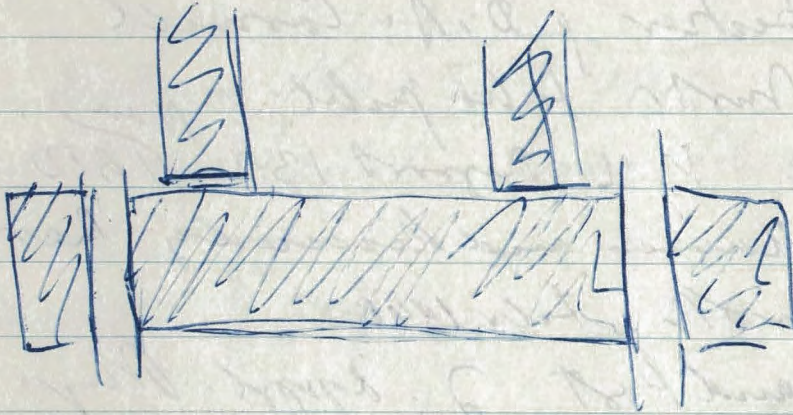
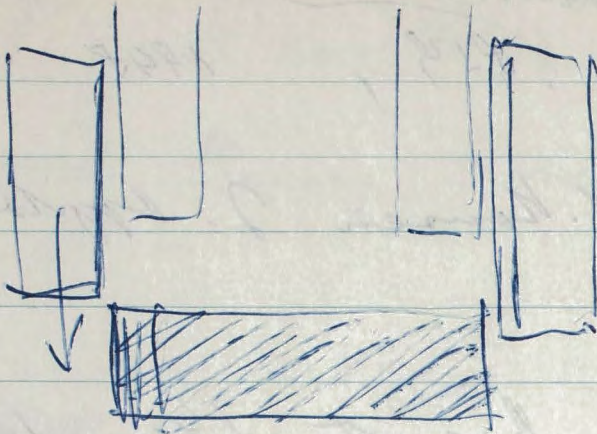
R. B. A. Sherrisley-Horode (1940)

W. Walkinshaw Proc. Phys. Soc. 61, 246

X Am. Journ. of Applied Physics. 1948

Chen, Hansen The theory of disk loaded
wave guides

W. Walkinshaw Journ. of Applied Phys.
20 634 (1949)



1 kg water to drink, 2.5 oz

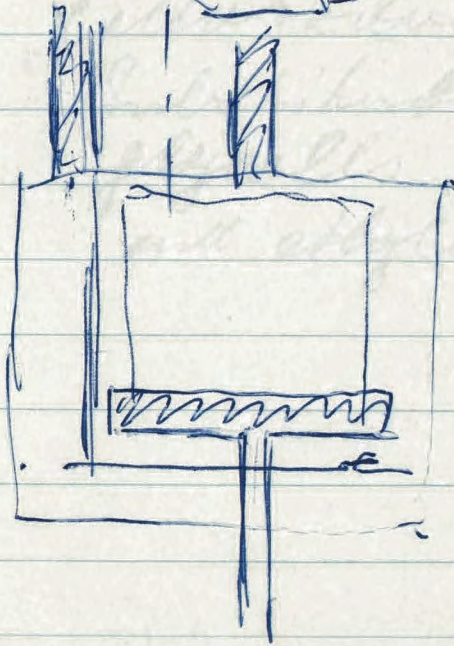
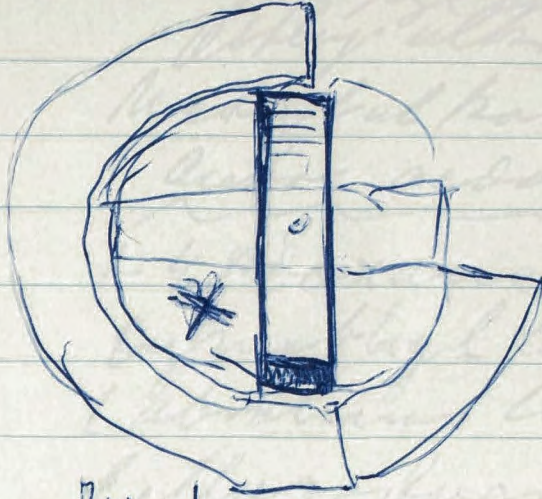
in to see

~~10 kW~~ 10 kW sec in 10 sec to

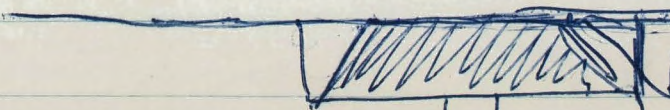
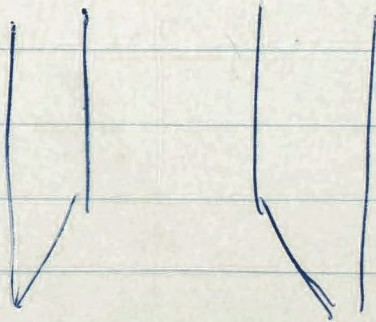
1 kW

10,000 lbs

24 hrs



or



Lerman

Glucose
Sorbitol
Glycerol

Solvent
propyl glycol
Ethyl alcohol
Methyl alcohol
Acetic acid
1-4 Dioxane
Dymethyl formamide
(Acrolinols too)
Celluloses;
Substituted ethylene
glycols
and ethylene glycol itself.

Vandana Associates

99 Wash St

San Carlos Ca

10⁻⁵ m/m Hg
10⁻⁶ }
10

How's Under

THE QUADRANGLE CLUB
CHICAGO

Terman

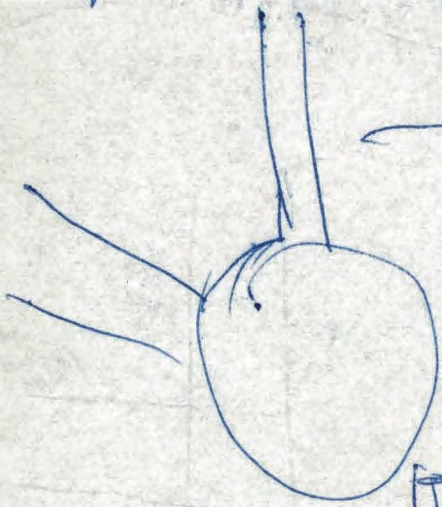
200 Watts
Wells
Wing
on
million

Fry

Ginton
E.L. 22
6

Urbowick

17 10⁶ Watt per pulse
Clystron (Shepherd) || 60 pulses/sec



Magnetron

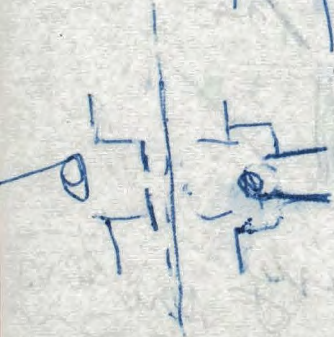
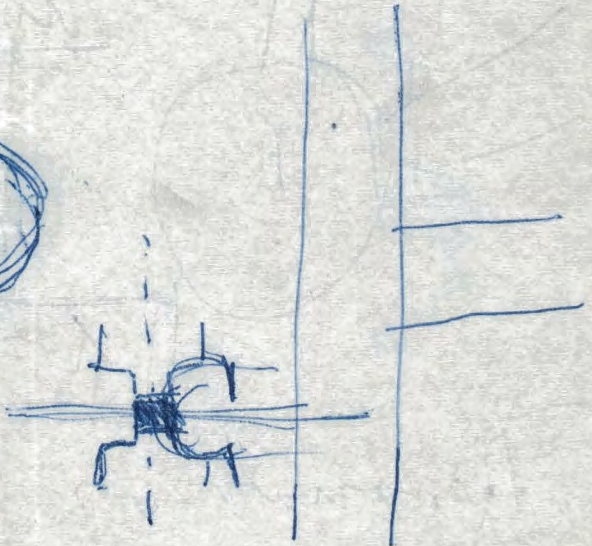
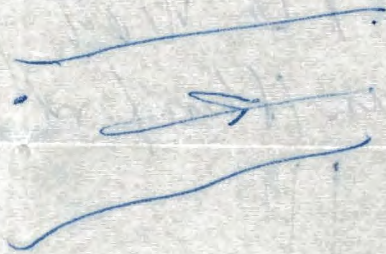
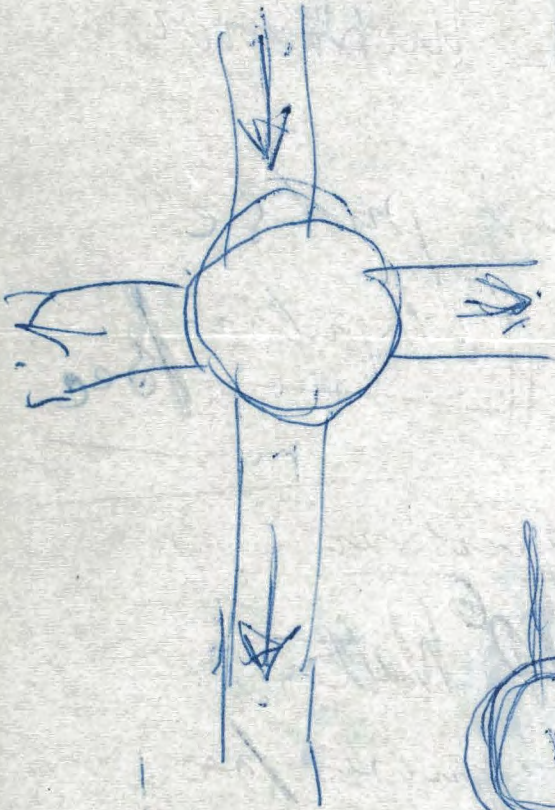
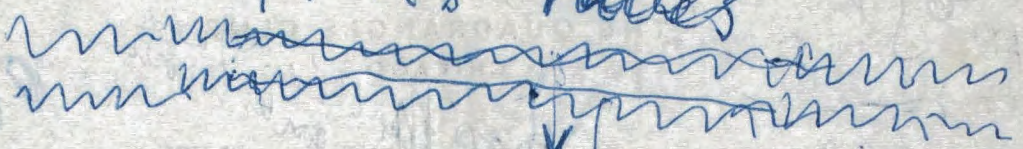
1×10^6 Watt
1000 pulses/sec.

$\lambda = 10 \text{ cm}$

Resonators

Salisbury meters
in Berkeley

T. R. tubes





Ed & ~~Jaynes~~ Jaynes Stanford
 ↳ Instructor
 ↳ was with Wigner

Varian
 Brothers

Varian avoided, @ San
 Carlos

Ligand
 Russel (theor)

Cal.
 [20 min
 from
 Stanford]

English

THE QUADRANGLE CLUB
CHICAGO



25 cm magnetron

10 to 20 megawatts

J.G.C. and Brit Thomson
Kausen

Mr. Willschaw

~~2/15~~
3/8/57

215

2 m diameter beam

Associated Electrical Industries
(Metro-Walk) has done

Commercial: British

Mulland in England

(Philips) makes 5 to 6
million Volt X ray tube

Miscellaneous

$$\frac{30 \cdot 10^6 \times 1000 \times \cancel{4000}}{300}$$

~~1000~~ Volt. of shot
~~4000~~ erg/cc

or for 1000 cc

$$\frac{10 \text{ joules}}{2 \frac{1}{2} \text{ C}} = 10^8 \text{ erg/cc}$$

For Summer ^x

Two long time experiments with B/1c
suppl plate with T5 and T6 no assay
but substance once a week

One much exp. with thymylin 150 mg/ml
After each fall preserve pi
collection part 1 cc of juice in
ice box and make stand after
each fall (and before)

For Howard

0 > > 20 hours

B/5 - 1

2 3 experiments

For Victorine prepare

B/any

B/any /hr. (res to T1)

let it invert its original leaves

Persons

W. Szybelski Cold Spring Harbor

Deposits of Cold Spring Harbor
papers

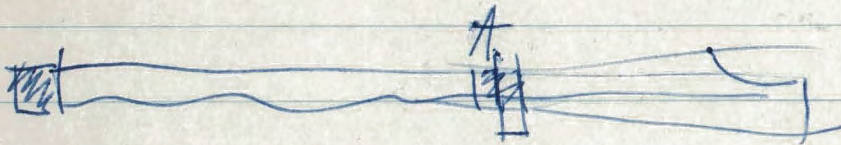
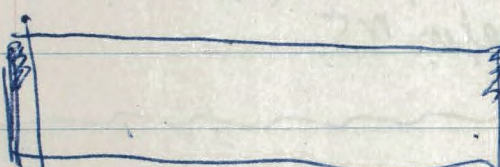
SS Stephens, Dept of Agronomy, N.C. State
College, Raleigh N.C.

C.S. Pittendrigh Dept of Biology, Princeton
University, Princeton N.J.

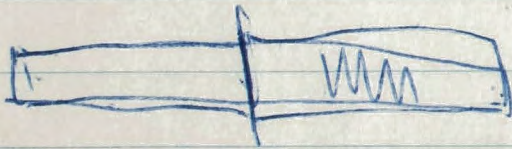
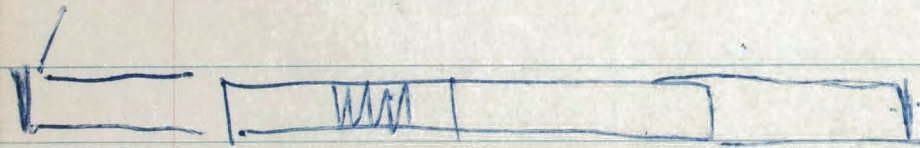
A. Givens Park
Wakarusa A. P. M. College
Dept. of Bot.

br. Lister G. E. Flory RCA
Princeton N.J.
"Vidicon" Push up tube

Industrial Microbiology
2, Penna?



Tube



Col H
3 31
446
712

Syon
330
Sunday

Taxi

Monsieur P 4027

WA 40752

PE 12000

Quebec : Monod (Jacques)

La technique de la culture continue, Theorie et applications.



COMPOSITION BOOKS

No.	LVS.	SIZE
101-60	60	9 3/4 x 7 1/2
101-72	72	9 3/4 x 7 1/2
101-84	84	9 3/4 x 7 1/2
104	120	9 3/4 x 7 1/2

Annales

de L'Institut

Prostent Taux 79 p. 390

Aug 15, 16, 17 Brookhaven

Warmanphane }
Formalin }
Peroxyde H2O2 }

THE COVERS OF THESE BOOKS HAVE BEEN TREATED WITH A SPECIAL VARNISH THAT PROTECTS AGAINST MOISTURE AND RUBBING NOTICE HOW SMOOTH THEY ARE

THE PAPER HAS BEEN SPECIALLY SELECTED FOR A SMOOTH WRITING SURFACE, AND UNIFORM QUALITY, WHICH MAY BE IDENTIFIED WITH THE WATERMARK

LOOK FOR THE WATERMARK IN THE PAPER

Royal Writing