

L. Lillard

E-30

1155 E 57th Ave

Chicago 37th

# The SPIRAL

- COMBINATION •
- THEME AND NOTE BOOK •



May be used as a separate book,  
or inserted in a loose leaf binder  
—used in either way, the sheets  
turn easily and lie flat

With a cover to keep the sheets  
fresh and clean—with spiral  
binding to hold the sheets to-  
gether and prevent waste and  
loss.



SIZE 11 X 8½

**NARROW RULED**

No. 1918

Made Under One or More of The Following U. S. Patents

2147369-2051477-1985776-1942026-2300544

REG. U. S. PAT. OFF.



on Hexene  $M = 100$

$$1 \text{ cc} \quad \frac{10^{-5} \text{ Mol}}{10^{-5}} = 10^{-5} \times 6 \times 10^{23}$$

$$R = \frac{3}{3} = 6 \times 10^{18}$$
$$R = \frac{3}{3} \sim 2 \times 10^6 \sim 2 \times 10^6$$
$$5 \cdot 10^{-7} = 50 \text{ A}$$

terphenyl in xylene  
or benzene  
3600  $\frac{1 \text{ gm}}{\text{l}}$

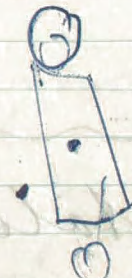
50,000  
at 5% efficiency  
1000 Volt light

200 Quanta geometry  $\frac{1}{5}$

40 Quanta  $\frac{10\%}{10} = 4$

1P21

1P28 (UV)



RCA photomultiplier

431 inside  
50



2-methyl dioxane

2-4 dioxane

solvent

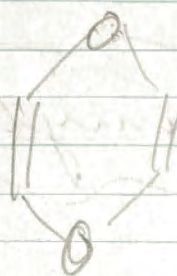
with tetraphenyl

add 1/10 gm diphenylhexatriene

~~1/10 gm~~

in place of tetraphenyl

(1) diphenylhexatriene



solvents:

20 or 30% of paraffine oil

100% does not dissolve tetraphenyl

thymene

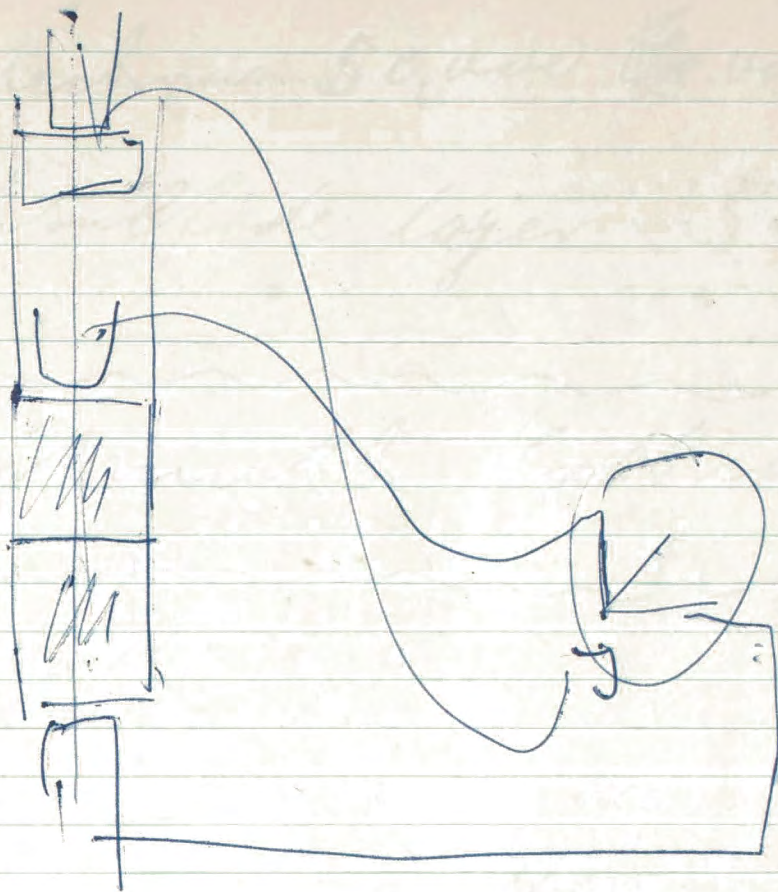
see Nucleonics: March or April

naphthalene [melting at  $80^{\circ}\text{C}$ ]

pure

by mixing in  $\text{CaCl}_2$





0.1)  
Temp/ec for Storage  
measurements

10 milli  
rampers  
in a day  
Kylene

Not as good as ~~atmosphere~~

stones:

2400, 3600 & when triggered  
by V. white, —  
crystal must be cooled slowly

2. rh sulphide (spec. prepared)  
Kallmann



106 electrons 50,000 ~~the~~ volt H

Zink sulfide layer 50 mg/cm<sup>2</sup>

Horknuth Kallmann

$$\frac{125}{15} \text{ Month}$$

$$\begin{array}{r} 6. \\ 8 \\ \hline 10 \\ 39 \approx 40 \end{array}$$

$$25 \times 12$$

$$\begin{array}{r} 250 \\ 170 \\ \hline 1020 \end{array}$$

$$\begin{array}{r} \swarrow 1000 \\ 5000 \\ \hline 5000 \end{array}$$

~~1000~~

$5000 \rightarrow 2000$

~~1000~~

$$\begin{array}{l} 10\% \\ 12 \\ 8\% \end{array} \quad \begin{array}{l} 6000/4 \end{array}$$

$$\begin{array}{r} 9500 \\ 1500 \\ \hline 1200 \end{array}$$

~~6000~~

$\swarrow 2000$  gain on 5000

~~6500~~

9 

9000

$\begin{array}{r} 22500 \\ 18000 \end{array}$

$\swarrow 10,500$

$\begin{array}{r} 15500 \end{array}$

~~6750~~

~~5000~~ ton

$$\frac{1}{4} = \frac{9000}{2200} = 4$$

$4500$

loss



P.H.)

(7.4 1.) Ringer Salt + bicarbonate  
(no) Physiological salt sol. —  
study by — not found

Italian group

Centro per lo Studio e la Cura  
della Sterilità Coniugale

Via Comandante 12  
Milano

C. Ballerio

(Clinica Ostetrica e Ginecologica  
dell'Università; Dir. Prof. L.  
Veressi)

H. Heringlais, Chef de Laboratoire  
de la faculté de médecine  
Endocrinology 30 Rue de  
Monsieur Paris 8

Morricand (René M.)

Physician; embryology of actual fertilization  
only of sperm into egg



E. K. Weninger - Nabal.

The Lister Inst. of Prev. Medicine  
London

June 1881 Brit. Reviews

[Mrs. Brinaglioli]  
Bromville 2-1282

1) Rabbit; good for intravenous

2.) Guinea Pig

3.) goat.

Read



line (1)

dept of Zoology, of radiation Samuel T. Leonard  
Cornell University 45-50

Study of follicular fluid. -

Gregory  
& Pinkus

Worcester

Inst.

Worcester Mass

Books

Eggs of Mammals

(of Mrs. Millan)

in follicular  
fluid  
96 hrs



Semen: number 10<sup>8</sup>/cc normal  
high 2x "  
low less 50 million

volumen <sup>light</sup> 4 to 5 cc

condom



acetone(?)

donor

age:

vol:

viscosity:

motility / <sup>what</sup> (sperm moves)

rate of motility:

morphology:

total count

[haemoglobin  
etc]

lysozymidase / constant / sperm

→ clot prevention test (1 at 20 hrs)

Vagina pH 4.5

doederlein ~~test~~ over 100



Zemitch; Palerone

H

John Rock Harvard? Bostain Moss  
isolation of human ova

Kurrock

Menstr. <sup>14</sup> 1-5 day

6 & 10 12

1.56 mg of estradiol

will prevent ovulation on <sup>per day</sup> the 14 day

<sup>or</sup> pregnancy  
(no corpus luteum)

what happens to early after fertilization  
[very early abortions very frequent]



7 St Francisco  
Pendleton Tompkins ~~Hill~~

(Chris Parsons; Wagner)

Moby Stein

Chicago

Pomeroy

Univ of Rochester

Tel Karsonek

K1 3 13 72

From Woodbury Conn 5161

Book the end of times in Obelisk-  
ros and Pyracula 1937  
W Adams & Watkins

~~Alvare~~ Morrisania

at Horgwal

Alpenliving plus

(not now)



H

7 million dollars

2/3 due to male

4.6 million  
(4 to 5 million)  
~~was the case~~

$$\frac{14}{3} = 4.6$$

#15-20 — specimens

Chotkins Complex (rising of  
the Colls Magazine  
Focusing =

Biochemical Journal (London)

For publication

heating test tubes

for sterilizing  
media

Domestic

Russack

John Rock

I. C. Robinson

Perloff

N.Y.

Philbrick



$$\frac{6200}{3} = 2066$$

Income \$ 3500  
2066

1434

either

1234  
5 250

out 22500

In 18000

+ 8000

26000

~~22500~~

- 22500

3500

5000  
2000  
8000  
12500