

Thursday 20<sup>th</sup> Jan '55

Centrifuging egg white (to see if "goo" separated).

Bought 1 doz "fresh" English eggs (medium size) from Sennitts.

Cracked egg. from in metal separator. avoided the chalazae. ~~fat~~  
did not get all the white, but almost all (98%?) did not homogenize.

Did two eggs. Balanced in high-speed angle cat. tubes.

Run up to 12,000 revs. (13 min) - 15 min run.

not much sign of stratification. (Knew a little)

Set for ~~45~~ 50 min. run. no change.

measurable head homogenized two whites through ~~more~~ machine - a more indifferent  
process, above half being lost. put into two (small) centrifuge tubes.

a further white, roughly homogenized with a spatula.

put into <sup>two</sup> the small 2 ml tubes. Put <sup>all</sup> at 12,000 revs a over lunch-time. (50 min)

Best Results : small tubes : 1 broken; other, no stratification.

big tubes : unhomogenized : as before, no, or little effect.

homogenized (small quantity; 10 a?) one tube should stratify

other tube - none, but rather clear.

"Homogenized" the unhomogenized pair with a spatula.

rebalanced. 12,000 revs for 15 mins. (also the originally homogenized one).

as before.

decided to abandon attempt at centrifugation, as simpler to pipette off  
some of the thin white when egg first cracked open.

Mixed all remaining whites together. ~~Estimated~~ Stored to <sup>break</sup> break up again.

Estimated vol ~ 90cc. Added 45 gms NaCl. Stirred in.

pH. ~ 8.8. Added HCl (1.1N) 1.7cc to give pH 9.6

heat page  
but see.

.5  
10  
12

Resin prep. (cont from 19<sup>th</sup> Jan)

dried on Buchner funnel (actually didn't dry for long enough. still rather damp in places).

added 100cc acetone: set up with stirrer (at 11:30 am).

at 5:30 pm: started to filter, using a Buchner, but changed over to an ordinary funnel (no paper). Washed with plenty (several hundred cc) of acetone, but found there was no acrolein acetone in it. Postponed final washing. left standing (covered) on filter paper.

on Saturday morning (21<sup>st</sup>): washed three times with acrolein & acetone. Left a filter paper (covered with a filter paper) to dry over weekend.

Decided to ~~use~~ <sup>use</sup> this egg-white to try fractionating using  
5% NaCl + ~7% Am<sub>2</sub>SO<sub>4</sub>.

Pur loose egg-white (with NaCl, pH 9.6) into each test tube.

Added to	0, Had B (two tubes)	- nothing
	1	- 0.75 gm Am <sub>2</sub> SO <sub>4</sub>
	2	1.5 "
	3	2.25 "
	4	3.0 gm Am <sub>2</sub> SO <sub>4</sub> (~ 1/2 sat)

skimed  
mixed with ~~the~~ <sup>the</sup> same vol. ~~cooked~~ <sup>cooked</sup> (with small cork). inverted several times.  
Pur in bag (~ 5 gm), and left.

Sub. morning: inverted to run up, # tubes 1, 2, 3, 4.

① → 1/2 sat

= 312 gm to 1000 cc

3.1

1.5