10-26-76 Hydrolysis of Nine Rods of JE-4 DNA

Procedure: same as before – with Paul Donahue doing the work.
- sample stored frozen in freezer ready for lyophilization

10-27-76 Lyophilization of DNA Hydrolysate

- use same apparatus as before – but a "cow" commercial freeze-drier was used as a trap for the large volume of $HCOOH/H_2O$ removed.
- lyoph. went for 18 hrs – next morning there was still a little ice (~1 ml) – so lyoph took a couple of more hours
- At this point, H_2O and MeOH were added in succession, and the sample was held in ice for 2 (not 3) hours
- the sample was centrifuged; the SN was removed, and the pellet was washed with 10 ml 10% MeOH

Counts: 10 ml wash: 0.1 ml 11,551/4 = 2.888×10^5 total cpm in 10 ml

Since there are ~ 2858 cpm/μg, this means that the 10 ml wash netted an extra 101 μg of adduct (~ 3%).

10-28-1 TOTAL SAMPLE: ___ ml