

- 1) At the sulphate step in Pedersen's method a volume of 500 c.c. is encountered which has about 70 c.c. conc. H_2SO_4 and about 20 grams. potassium sulphate in solution. The solubility of lead sulphate in this volume of solution becomes appreciable, perhaps as much as 0.05 mgs. In a urine which contains as little as 0.10 mgs. it is my opinion that no lead would be obtained. Corresponding amounts would be lost from
- ② Solution in sodium acetate is not nearly as easily accomplished as is the case with ammonium acetate.
- ③ If the type of H_2S generator described in Todd pg. 195 is used it would almost certainly contaminate the samples with iron which would be precipitated as FeS and subsequently estimated as lead. This contamination would vary so that no correction could be made for it.

I see no reason why we cannot

cooperate with Dr. Belknap's technician to the extent mentioned in Dr. Belknap's