Dear Dr. Lederberg,

Thank you very much for your thoughtful letter of May 3 and literature on the blood brain barrier.

Curious paradox: The literature stresses lipid solubility and unionized neutral structures as prime conditions for passage. The experience with African sleeping sickness indicates that only lipid insoluble ionized anionic structures reach the trypanosomes in the CSF, while lipid soluble cationic structures do not. It is not known which boundary the trypanocides pass.

I am looking at these questions.

Thank you again.

Sincerely,

E. Friedheim