

November 3, 1965

Mr. Dennis Stelzner  
The School of Medicine  
Institute of Neurological Sciences  
University of Pennsylvania  
Philadelphia 4, Pennsylvania

Dear Mr. Stelzner:

Thank you for your letter of October 15. I am very glad to know that you are planning to work on the development of behavior. Concerning your specific question: we have not tried to hatch spinal embryos, but I am very dubious of any success. We have quite a few data on the ontogeny of reflexes in the chick embryo, but no systematic analysis has been made so far.

At the moment, I am involved in a detailed study of motility before and during hatching. This work I hope to complete within the next few months. Dr. Balaban is no longer here. He has now an academic position at the Zoology Department of Michigan State University, East Lansing, Michigan. Perhaps you could find out from him what his plans are.

I suppose you have seen the recent article by Gottlieb on the auditory perception in chick and duck embryos before hatching, in the Journ. of Comp. Physiol. Psychology (1965).

Please let me know if I can be of further help.

Sincerely yours,

Viktor Hamburger  
Professor of Zoology

VH/o