INTRODUCTION TO LEARNING

Instincts and Imprinting and Conditioning

> **Genetics**
> **Early Experiences**
> **Life Space**
> **Learning**
> **Expectancies**

I.   Introduction

    A.   Definitions of: Stimulus; Response

    B.   Definition of Learning

    C.   Concept of Preparedness: Seligman
        a.   Hardwiring of the brain

II.   Behaviors Based on Built-In, Innate, Mechanisms.
       (Differentiated on the basis of response complexity.)

    A.   Reflexes

    B.   Taxis and Taxes
        1.   Imprinting

    C.   Instincts - Characteristics
        1.   Migration by Salmon
        2.   Migration by Birds

    D.   Instincts in Humans?

III.   Types of Simple Learning (Conditioning); Basic Paradigms

    A.   Classical Conditioning: Pavlov   US--> UR
        1.   Reflex as Basis   CS
        2.   Stimulus Substitution   CS--> CR

    B.   Instrumental (Operant) Conditioning: Thorndike; Skinner
        1.   Emission of Response   When: R---> Reinforcement
        2.   Response-Reinforcement Relationship   Then: The Probability of
        3.   Reinforcement and Reward   R Increases