

INTELLIGENCE

EPO Ch.10

PMS Ch. 7

Oldest recorded intelligence test, administered over three thousand years ago.

Judges 7: 2-8

Before 1900 intelligence was regarded, by Galton and Wundt, to be something which sensory tests or reaction time experiments could measure. In 1905, Alfred Benet in Paris devised tests to measure the higher mental functions, which proved so successful that, in various revised and adapted forms, they have been in use ever since. These tests assume the existence of an overall general intelligence - mental ability, rather than mental abilities. EPO 117b,c. PMS 69d.

Spearman formulated a two-factor theory, that of specific abilities and a general intelligence all working together as a unit. EPO 118b,c,d.

Thurstone's primary abilities -- in numbers, memory, words, spacial relations, etc.-- seven or more of them. EPO 118c. PMS 76d, 77a.

In 1922, at Stanford, L. M. Terman selected from 250,000 Calif. school children, 1300 of them with an I.Q. of 140 and up, and has kept records of them ever since. Surveys of this group, taken in 1940, and again in 1952, reveal continued superiority.

Cosmic mind endowment functions on three reality levels. UB 192a

Intellectual selves have origin like nebulae. UB 1216-4

Hopes, talents unrealized here can be developed later. UB 508c.

Biologic and intellectual deficiencies made up on mansion worlds. UB 535c.

We have new and more efficient minds as morotia beings. UB 1236 b,c

LEARNING

EPO Ch. 12

PMS Ch.4

H. C. Morrison's classification of kinds of learning:

1. Understanding -- as of the earth revolving around the sun -- needs merely clear comprehension of principle, not repeated practice.

2. Appreciation -- as of music, art, worship -- needs frequent contact with exposure to source of such learning, not analysis of it.

UB 1118d -- Human things must be known to be loved; divine things must be loved to be known.

UB 1616c -- Prayer is designed to make man less thinking, but more realizing.

Etc. Many passages on prayer and worship, and moral and spiritual growth.

3. Skill -- as of rote learning, typing, swimming -- needs repeated practice.

Definitions -- EPO 133a,b. PMS 46b;

Learning explained on physiological basis.

Thorndike's Connectionism. EPO 140d-143. (His later subsidiary laws practically admit inadequacy of original laws)

PMS CH. 4 bases learning on body needs.

Purposive learning, functionalism

Dewey, Woodworth Tolman. EPO 146d-148

Gestalt learning. EPO 145, 146. (An important rule for effective study).

Conditioning.

Pavlov's dog EPO 144a. PMS 51b.

Watson believed conditioning to be basic to all education and progress.

EPO 145a.



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## MOTIVATION

EPO Ch. 9

FMS Ch. 14

Basic drives influenced by social experiences. EPO 99 -- 105  
Attitudes and interests. EPO 107 -- 109  
Materialistic psychologists say that all motivation arises directly or indirectly from body needs; that social and psychological motives are learned, not innate. FMS 141 -- 148.  
Urantia Book on source of higher motivation.  
Social and religious urges inherent in endowment of the Seven Adjutant Spirits. UB 402.  
Religious tendencies are innate. UB 1129-2. Also curiosity, love of adventure UB 159.

McDougall, in 1934, named fourteen propensities.  
Recent research at Univ. of Wisconsin substantiates eight or nine inherent tendencies. Woodworth (Columbia) and G.W. Allport say that social motives do not necessarily depend upon physiological needs and drives, that they are autonomous and arise from the individual's interest systems. Woodworth, 1958, "The distinctively human interests in construction, art, science, and governmental and industrial administration have their source not in organic needs, but in the human capacity to deal with the environment". UB 1227b "Physical life is a process taking place not so much within the organism as between the organism and the environment."

Conscience. FMS 149d. UB 1005-3

Will -- some Urantia Book references.

The mind Arena of Choice. UB. 1216-1217  
Power of choice is universe insignia. UB 1233a.  
The will to believe -- The will that believes. UB 1122d.  
To be perfect in "divinity of will and personality motivation." UB 22b.  
Jesus' definition of will to Ganid. UB 1431-2  
Life Carrier's definition of will. UB 710d.  
Planets the spawning ground of will creatures. UB 1272, bottom  
Remotivated in life. UB 1096c.  
Mobilization of total powers. UB 1097-5.  
Surrendered -- to an all-encompassing motivation. UB 1100d.

Dr. Sadler calls the will the "chief executive of the intellect." "It is not an all powerful sovereign; it reigns on the throne of the mind as the sovereign of a limited monarchy -- limited by a chemical constitution and biologic by-laws." "The will is to the mind what the sum total is to a column of figures." Practice of Psychiatry, p. 969.

## PERCEPTION

EPO Ch. 13.

FMS Ch. 3

Difference between perception and sensory experience. EPO 152. FMS 38.  
Gestalt -- structure and pattern. EPO 153, 154. FMS 39, 40  
UB 1260. -- Man must think in universe frame. UB 1261d -- Organismal patterns.  
Perception determined by past experience and present interest. EPO 155b. FMS 40d-45.  
Perception often inaccurate. EPO 155d-158. FMS 43b, 44d-45.  
UB 1434c -- Single-eyed perspective of materialist.  
Concepts formed from percepts. EPO 159b-162. FMS 56c,d.