

L20

Livingston. Brain Circuitry relating to Complex behavior.

500 Evolutionary, elaborate organisms possess appetites
 as satisfactions not only for survival "but
 also for extra energies, strivings and outreachings -
 the extra energies that go beyond mere survival.

500 "Feelings belong to the center stage of the nervous system."

500 feelings are also related to positive joys. To include are
 satisfactions springing from discovery of novelty,
 for creation or expression as constructive adaptation
 esthetic satisfaction.

500 Conscious awareness of man's full potentialities
 and faculties the center of a more tangible world.

500 "Above all, it is the human brain, with its capacities
 for memory, learning, communication, imagination,
 creativity, as the process of self-awareness, that
 distinguishes humanity.

501 Life, in spite of all, a self-propagating process.

501 Shortly after birth nerve cells rarely replicate (Schmitt)

502 "The nervous system is made for action prior to
 reaction." For the duration of life, patterns of action
 are generated & controlled according to the
 internal state of the nervous system, and are only modified
 by sensory input."

502 goals relating to novelty & pleasure.

504 ?



504 Nemesis?

504 Internal feeling states.

505 limbic system - emotional expressions & experience
↓
Clean of survival of in d.v. 2/ survival of species.

505 Misconstruction of the brain, hand, hand → conflict
the same cause of development.

505 Ant cooperation, trust, altruism also built in.

505. Positive & negative reinforcements (pleasure - pain prin-
ciples.)

507 Reticular formation. - "provides generalized control functions"
control two generalized patterns of arousal & somatic
activity: energy expenditure & energy restoring.

507 reticular activation system

508 limbic system → frontal cortex
" " ← reticular formation.

509 A aim controls dorsal traffic in two or lower neurons
511 orientation to novelty gives yields characteristic changes in EEG.¹⁹⁷⁰

510 Condition of consciousness

510 Experience of the novel.

513 What we experience is inevitably circumscribed by an
intrinsic experience. 512

513/4 culturally bound exception not discovered as a
diversity of novelty

4 novelty as active seeking for novelty! 514 Common sense = knowledge of age 12

514 Reticular formation prepares for recognition of novelty
513 of others can underestimate his confidence in his perceptions in dark under. Function of critique



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