



001-218, 001
- 331

stimulus - the reaction specific energy accumulated
or Jammed up - the more Jammed up the
easier necessary the act elicited. - - -

339.

M13

Physiol.
grade In-
stinctive
schung, Et
parentia
4: 121-133

Tinbergen: (1948): Each coordinating center is normally
held under inhibition of another center. Its function is to
block impulses from the coordinating center, save
under specific conditions of external stimulation.
^{this inhibitory center}
↳ "inmate releasing mechanism."

↑ [Tinbergen puts emphasis on a stimulus -
what is the spontaneous increase?]

This is answer & question: Why is the act not continually
performed?

↳ Inmate rel. mech. holds the inhibitive act under inhi-
bition until there appears a specific inmate releasing
pattern of stimuli capable of switching off the inhibition and ...

(2)

Loewy

"triggering"

"an outflow of impulses from the instinctive center to the peripheral effectors."

But den accumulation very high - -

340 Encountering of instinctive act are protracted & is elicited as oriental with respect to external stimuli.

"Appetitive behavior" = act directed toward getting the animal into a situation in which some instinctive act can be released; continues until inst. act is performed and the instinctive energy is used up. The goal of the appetitive behavior is the performance of the act with its biological result.

341. Tinbergen 1942 closely following Loewy: instinctive acts = "highly stereotyped, coordinated movements, the neuromotor apparatus of which belongs, in its complete form, to the hereditary constant constitution of the animal."

L. student Lohman as well as Tinbergen and Kueppers speak of behavior as being innately determined because it matures instead of developing through learning.

Loewy, Tinbergen major criteria of innateness:

1. stereotyped & constant
2. characteristic of species
3. appears in animal raised separately from others
4. does develop fully formed in animals raised in isolation from others.

(3)

Lorenz

353 Evolutionäre analogie. Love-seeking & nest-seeking (Tindbergen),
hunting relation of self fed dog = spontaneous.
felling i love
relative attractiveness of women of dogs (L)

354 Civilization = domestication.

355 "Man works in order to be able to love released [by food]"
the instinctive act of biting & devouring.
[this theory would form a more sophisticated
version of de Bongel's instinct theory: each act has its
own instinctive source.]

357 Summary & criticism by Lehmann.