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DESCRIPTORS: *Drugs, *Brain, *Cardiovascular
system, Arteries, Carbon dioxide, *CNS depressants,
Nitrates, Purine alkaloids, Dibazol, Vitamin B complex,
Vitamin P, Aldehydes, *Blood circulation.

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tonic constriction of considerable intensity. The
chemical agent with the most powerful action on the
tonus of the intracranial arteries (tending to reduce it)
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DESCRIPTORS: *Cerebral cortex, *Conditioned re-
flex, Motor reactions, Nervous system, Stimulation.

Direct stimulation of the region of the motor analyzer
in cats in which the appropriate conditioned reflexes
had been established showed that rise in the excitabi-
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stimulation produced by the signal stimulus sets in
(Biological Sciences--Physiology, TT, v. 7, no. 12)
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Participation of the Sympathetic Section of the Nervous System in the Compensatory Reactions of the Organism During Asphyxia Produced During a Spasm of the Bronchial Musculature, by T. M. Turpayev, ¹ G. Putintseva, 16 pp.

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Sci - Medicine, physiology

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OF HEART CONTRACTIONS IN FREELY MOVING
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DESCRIPTORS: *Heart, *Recording systems, *Radio,
Measurement, Motor reactions, Man, Electronics,
*Electrodes, Experimental data, Analysis, *Medical
research, *Scientific research, Bioelectronics.

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DESCRIPTORS: Inhibition, Stimulation, Reflexes, *Carotid sinus, *Chemoreceptors, Nerves, *Neuromuscular transmission, *Blood pressure

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62-20306 [1962] [16]p.

DESCRIPTORS: *Oxygen, *Brain, *High altitude,
Atmosphere, Anoxia.

Seventeen to twenty-five seconds after dogs are exposed
to an "altitude of 15,000 m, muscles relax, position
reflexes are lost, and collapse ensues; after 55 to 105
sec complete respiratory standstill sets in, indicating
the outermost limit of time that the animals can remain
at the "altitude" before irreversible changes take place.
(Biological Sciences--Physiology, TT, v. 9, no. 9) (over)

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