

AUTHOR: ~~Kvinikhidze, G. S.~~ SOV/20-122-2-39/42

TITLE: Development of the Epithelium Lining of the Oesophagus in Domestic Fowl (Razvitiye epiteliial'noy vystilki pishchevoda domashnikh kur)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 2, pp 304-307 (USSR)

ABSTRACT: The formation and the development of several organs in the embryogenesis is characterized by a sequence of the histological structures which is governed by definite rules (Ref 2). This was also reported for the human oesophagus (Refs 7, 8). The author investigated hen embryos (eggs which were incubated for 3, 4, 5, 7, 9, 10, 11, 12, 14, 15, 16, 17 and 19 days) and chicken at the age of 1 day and of 1 month in order to find out whether a sequence of structures occurs in the covering epithelium in the hen oesophagus. The oesophagus mucosa of embryos 3, 4, and 5 days old is free from folds. The oesophagus is lined with an epithelium which consists of oblong prismatic, 1 - 2 rows of cells. Mitoses only occur at the surface (Fig 1). Sometimes the epithelium fills the lumen of the oesophagus because of its rapid growth.

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## Development of the Epithelium Lining of the Oesophagus in Domestic Fowl

From the 9th to the 10th day of incubation from 4 to 5 longitudinal folds appear in the mucosa. In embryos 11 - 12 days old the epithelium starts to rearrange, forming several (2 - 4) layers. Now mitoses are not found on the surface. In embryos 13 - 16 days old ciliated and mucous cells appear at the surface of the multi-layered epithelium which exhibits an unequal thickness. These cells form an almost uninterrupted layer. The number of mucous cells increases towards the stomach (Fig 2). The oesophagus of an embryo which is 15 days old is filled with swallowed albumen. Epithelial gemmules originate from the basal surface of the mucous epithelium and penetrate into the underlying connective tissue. These gemmules consist of firm cells forming the rudiment of tube-like mucous glands (Fig 2). Embryos at an age of 17 - 19 days already show a mucosa with 8 - 10 cell layers, which shows well developed folds. The ciliated cells are placed as individual islands at the surface of the epithelium (Fig 3). They gradually flatten out, disintegrate and are peeled off. Mitoses are exclusively found at the basis of the layer. Now the tubular mucous glands are developing from the mentioned gemmules. They are lined with a prismatic epithelium and be-

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gin to exsecrete mucus. The epithelial lining of a chicken at the age of 1 day is multi-layered and plane. Disintegrating ciliated cells, are found only very rarely. The tubular mucous glands are well developed and are lined with one-layered epithel consisting of oblong prismatic cells (Fig 4). The walls of some mucous glands begin to form folds, with the underlying connective tissue taking part in this process. In chicken at the age of 1 month the lining epithel is in the process of cornification. Large epithelial ramparts appear, which are covered by many small epithelium projections. Uvula from connective tissue are interposed in between, exhibiting well developed collagenous fibers. This is the complicated transformation process of the cover epithelium. Hitherto ciliated epithelium was reported only in the human oesophagus (Refs 1, 7 - 9). The ciliated cells are by some authors considered to be a recapitulation phenomenon (Refs 4, 7, 8), by others it is considered to be exclusively an embryonal adaption (Ref 1). The author follows the first assumption. There are 4 figures and 9 references, 8 of which are Soviet.

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SOV/20-122-2-39/42  
Development of the Epithelium Lining of the Oesophagus in Domestic Powl

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet im. I. V. Stalina  
(Tbilisi State University imeni I. V. Stalin)

PRESENTED: May 5, 1958, by Ye. N. Pavlovskiy, Member, Academy of Sciences,  
USSR

SUBMITTED: December 11, 1956

Card 4/4

KVINIKHIDZE, G.S.

Some data on the mechanism of optic region in bird embryos.  
Trudy Tbil. GU 88:43-51 '63. (MIRA 18:8)

1. Laboratoriya embriologii Instituta zoologii AN Gruzinsky  
SSR.

KVINIKHIDZE, G.S.

On the existence of a basal membrane between the optic vesicle  
and the lensforming ectoderm in birds. Dokl. AN SSSR 148 no.3:  
731-732 Ja '63. (MIRA 16:2)

1. Institut zoologii AN GruzSSR. Predstavleno akademikom  
N.N. Anichkovym.  
(Eye) (Embryology—Birds)

ClAVCIANIDZE, V.V.; KVINIHIDZE, K.S., cercetator

The model of the living cell. St si Teh Buc 14 no.5:16-17  
My '62

1. Director of the Institute of Cybernetics, Academy of Sciences,  
Gruziya U.S.S.R. (for Ciavcianidze).





CHAVCHANIDZE, V.V., kand.fiziko-matematicheskikh nauk; KVINIKHIDZE, K.S.,  
mladshiy nauchnyy sotrudnik

Model of the "hydrogen atom" of biology. Neuka i zhizn' 29  
no.4:31-32 Ap '62. (MIRA 15:7)  
(Cells--Models)

CHAVCHANIDZE, V.V.; KVINIKHIDZE, K.S.

Interpretation of the DNA code. Soob. AN Gruz. SSR 34 no.2:  
291-295 My '64. (MJRA 18:2)

1. Institut kibernetiki AN Gruzinskoy SSR, Tbilisi. Submitted  
October 27, 1963.

KVINT, L. S.

"Laboratory Diagnosis of Virus Influenza," Vrachebnoye Delo, Vol 5, 1952, pp  
433-436.

KVINT, L. S.: Master Med Sci (diss) -- "The functional state of the kidneys in patients with various liver pathologies". Minsk, 1959. 15 pp (Minsk State Med Inst), 150 copies (KL, No 18, 1959, 128)

KVINT, L.S.

Kidney function in patients with chronic diseases of the liver  
and gall bladder. Zdrav.Belor. 6 no.2:26-27 P '60. (MIRA 13:6)

1. Kafedra fakul'tetskoy terapii (zaveduyushchiy - akademik AN  
BSSR professor B.I. Trusevich) Minskogo medinstituta.  
(KIDNEYS) (LIVER--DISEASES) (GALL BLADDER--DISEASES)

TRUSEVICH, B.I., akademik; KVINT, L.S., kand.meditsinskikh nauk

Regulating influence of the nervous system on the morphological  
composition of the blood. Zdrav. Belor. 6 no.9:7-9 S '60.  
(MIRA 13:9)

1. Akademiya nauk BSSR (for Trusevich).  
(NERVOUS SYSTEM) (BLOOD-CELLS)

KVINT, L.S., kand.med.nauk

Functional state of the pancreas in hypertension. Zdrav.Bel.  
8 no.2:34-36 F '62. (MIRA 15:11)

1. Kafedra fakul'tetskoy terapii (zav. - akademik AN BSSR prof.  
B.I.Trusevich [deceased]) Minskogo meditsinskogo instituta.  
(HYPERTENSION) (PANCREAS)

YUMARKOV, M.; KVINT, M.

The project has been crowned with success. Izobr.i rats. no.2:  
31-32 F '60. (MIRA 13:8)  
(Aluminum hydroxide)



KVINT, N.

VERNER, A. R., MALYSHEV, P. E., AND KVINT, N. "Development of Fungi (Fusarium, Verticillium) in the Soil," Comptes Rendus (Doklady) de l'Academie des Sciences de L'URSS, vol. 31, no. 8, 1941, pp. 812-814. 511 P444

SO: SIRA SI-90-53, 15 Dec. 1953

KVINTRADZE, Sh.N.

Unidimensional turbulent flow of a liquid in a perforated cylindrical pipe. Trudy Inst.energ.AN Gruz.SSR 16:213-218 '62.

(MIRA 16:4)

(Fluid dynamics)

(Water pipes)

KVINTRADZE, Sh.N.

One-dimensional motion of an incompressible fluid in a perforated cylindrical pipe. Soob. AN Gruz. SSR 38 no.2:375-382 My '65.  
(MIRA 18:9)

1. Gruzinskiy institut energetiki imeni Didetbulidze.

L 52521-65 EWT(1)/EPA(s)-2/EWT(m)/EPF(n)-2/EWA(h) Pt-7/Pu-4 IJF(s) -CG  
ACCESSION NR: AP5010720 UR/0181/65/007/004/1110/1113

AUTHOR: Bar'yakhtar, V. G.; Kvirikadze, A. G.

30  
29  
B  
21

TITLE: Scattering of slow neutrons in antiferromagnets with weak ferromagnetism

SOURCE: Fizika tverdogo tela, v. 7, no. 4, 1965, 1110-1113

TOPIC TAGS: neutron scattering, slow neutron, spin spin scattering, spin phonon scattering, inelastic scattering

ABSTRACT: The authors analyze the line broadening of inelastic scattering of neutrons in antiferromagnets with weak interaction, brought about by mutual scattering of spin waves and the scattering of spin waves with absorption or emission of phonons. Since the average lifetime of the spin wave with activation energy is exponentially small at sufficiently low temperatures, the analysis is limited only to the line broadening of inelastic scattering of neutrons with absorption or emission of non-activation spin waves. Both the broadening due to the spin-spin interaction and the broadening due to the spin-phonon interaction are found to be proportional to the square of the spin wave energy. The ratio of these broadenings is much

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L 52521-65

ACCESSION NR: AP5010720

smaller than unity, showing that the principal role in the broadening is played by the spin-spin processes. Orig. art. has: 7 formulas.

ASSOCIATION: Institut fiziki AN GruzSSR, Tbilisi (Physics Institute, AN GruzSSR)

SUBMITTED: 19Oct64

EWCL: 00

SUB CODE: NP, EM

NR REF SOV: 005

OTHER: 000

*llc*  
Card 2/2

KVIRIKADZE, G.A.

Basic economic data on the coal industry of Georgia. Trudy Inst.  
gor.dela AN Gruz.SSR 2:187-195 '60. (MIRA 14:10)  
(Georgia--Coal mines and mining)

MERABISHVILI, M.S.; MACHABELI, G.A.; MDIVNISHVILI, O.M.;  
KVIRIKADZE, G.A.

Present-day utilization of bstonites from principal deposits  
of the U.S.S.R. and prospects for its further development.  
Geol. sbor. [Kavk.] no.2:222-243 '62. (MIRA 17:1)

USSR/Cultivated Plants. General Problems.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77568.

Author : ~~Kvirikadze, G.S.~~

Inst : Kutaisk State Pedagogical Institute.

Title : Distribution and Development of Field Husbandry in Imeretia.

Orig Pub: Kutaisis pedagogiuri institutis shromebi,  
Tr. Kutaisk. gos. ped. in-ta, 1957, 17, 585-594.

Abstract: No abstract.

Card . 1/1

4



KVIRIKADZE, N.A.

Chemical form of manganese, lead, copper, silver, zinc, titanium,  
and nickel in a malignant tumor of the bladder. Soob. AN Gruz. SSR  
35 no.3:579-591 S '64. (MIRA 17:11)

1. Predstavleno akademikom A.P. TSulvkhidze.

KVIRIKADZE, N.A.

Study of some microelements in the human blood in relation  
with sex and age. Soob. AN Gruz. SSR 31 no. 3:587-588 S '63.  
(MIRA 17:7)

KVIRIKADZE, N.K.

The biochemical picture as an indicator of the state of oxidation-reduction processes in hypertensive disease. N. K. Kvirikadze and A. A. Darjalashvili. *Trudy Inst. Kfir.* (1953); *Referat. Zhur., Biol.* 1955, No. 1779. — Dogs received intravenous injections of adrenaline, and their sciatic nerve was stimulated. As the blood pressure rose to the max., the blood content of lactic (I) and pyruvic (II) acids rose, as did that of oxidized glutathione; O<sub>2</sub> depletion increased. In the early stages of hypertension (III) the content of glutathione was lowered. It again rose during stages 2 and 3 of the disease. The content of I varied and reached its max. in patients with stable blood pressure in the reversible form of III and was again lowered in stage 3, coincidental with the loss of autoregulatory processes of the organism. During the functional stage of III the content of II also varied widely, but it ultimately reached a high level. This high concn. of II indicated that its normal course of metabolism had been disturbed due to a condition of neurodystonia and damaged internal organs. As III progresses the amino acids are increased due to the breakdown of tissue decamination processes, and the catalytic index remains at or below the lower limit of the normal range, probably due to an increased tonus of the sympathetic nervous system. In 78% of the patients the O<sub>2</sub> depletion of the blood serum exceeds that of the normal in the prehypertonic stage when no other symptoms of deviation are discernible. The accumulation of products of incomplete oxidation disturbs the normal course of the body economy, which may affect (via the interoceptive channels) the central nervous system, which in turn may aggravate the disease.

B. S. Levine

MD

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KVIRIKADZE, N. K.

USSR

✓ basis of the biochemical facts, indicating to some extent prehypertensive condition of the organism. In: A. Paganu, N. K. Kvirikadze, A. A. Davitashvili, and Z. S. ~~Shanidze~~ *Trudovoe Delo*, 1954, No. 1, 29-31; *Referat Zhur., Kazim.* 1954, No. 33765. Men suspected of being in a prehypertensive condition were selected for this study. Glucose and polysaccharide curves were detd. following a diet contg. an excessive amt. of sugar; also the levels of bisulfite-binding substances, lactic acid, glutathione, creatine, and creatinine in the blood of the men were detd. Characteristic of the prehypertensive condition was an increased level of polysaccharides, reduced glutathione, creatine and creatinine in the blood, as well as an increased output of yacat Q in the blood and urine. E. Wierbicki

USSR/Human and Animal Physiology. Circulation

T-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65263

Author : ~~Kvirikadze N.K.~~  
Inst : The Institute of Cardiology of the Academy of Sciences of  
the Georgian SSR in Collaboration with the Institute of  
Physiology of the Academy of Sciences of the Ukrainian SSR.  
Title : A Study of Tissue Oxidation-Reduction Processes in Various  
Types of Experimental Hypertension.

Orig Pub : V sb.: Stenogr. otchet nauchn. sessii In-ta kardiol. AN  
GruzSSR a uchastiyem In-ta fiziol. AN USSR. Tbilisi, AN  
GruzSSR, 1956, 58-64

Abstract : In rabbits with reflexogenic, adrenal and renal hypertension,  
the consumption of O<sub>2</sub> by brain tissue was reduced, while  
that of liver tissue remained unchanged. Renal tissue res-  
piration decreased in reflexogenic and adrenal hypertension  
and increased in renal hypertension. The latter phenomenon  
the author associates with the accumulation in the ischemic  
kidneys of the animals of incompletely oxidized products,

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USSR/Human and Animal Physiology. Circulation

T-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65263

while at the same time the tissue of the organ retains its  
capacity for oxidative processes. The disturbance in  
the oxidative capacity of a tissue is a later result of  
hypoxia--A.V. Dokukin

Card : 2/2

USSR/Human and Animal Physiology - Blood Circulation.  
The Heart.

T-6

Abs Jour : Ref Zhur - Biol., No 10, 1958, 46029

myocardium of killed rabbits. After the extract was incubated in a  $O_2$  atmosphere with a nutritive mixture containing anorganic P, the loss of P in the mixture was determined with the method of Fiske and Subbarow. If the extract was prepared from the heart of a healthy rabbit, the amount of mineral P in the mixture decreased on the average by 72.23 percent, and by 94.64 percent after 30 minutes. In extracts prepared from the myocardium of rabbits suffering from hypertension, the P content decreased by 46.13 percent after 15 minutes. The loss of P almost ceased entirely during the next 15 minutes. The delay of aerobic phosphorylation processes is related to changes of the physico-chemical protein structure in tired cardiac muscle, as a result of which the active non-soluble ATP-ase enters the extract, thus causing a regeneration of anorganic P. On the other hand, the activity of ferments

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USSR/Human and Animal Physiology - Blood Circulation.  
The Heart.

T-6

Abs Jour : Ref Zhur - Biol., No 10, 1958, 46029

participating in processes of aerobic phosphorylation becomes weaker. -- V.Yu. Ostrovskiy

Card 3/3

KVIRIKADZE, N.K.

Intensity of oxidative phosphorylation of myocardial  
extracts in chronic irritation of the gallbladder. Trudy  
Inst. klin. i eksper. kard. AN Gruz. SSR 7 no.2:33-40  
'61. (MIRA 17:1)

TSINISASHVILI, K.L.; KVIRIKADZE, N.A.; FLIOZISHVILI, V.L.

Bile secreting function of the liver and the chemical composition  
of bile in experimental cholesterol atherosclerosis in rabbits.  
Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:159-171 1963.  
(MIRA 17:7)

V. Institut kardiologii AN GruzSSR, Tbilisi.



KVIRIKADZE, O.P.

Relation between the ultimate tensile stress and the Brinell  
hardness numbers. Soob.AN Gruz.SSR 14 no.4:227-232 '53.

(MLRA 7:3)

1. Tbilisskiy institut inzhenerov zheleznodorozhnogo transporta  
im. V.I.Lenina. (Hardness) (Metals--Testing)

KVIRIKADZE, O.P.

Relation of impact strength of non-standard and standard specimens. Soob. AN Gruz. SSR 15 no.10:685-691 '54. (MLRA 8:9)

1. Tbilisskiy institut inzhenerov zheleznodorozhnogo transporta im. V.I.Lenina. Predstavleno deystvitel'nym chlenom Akademii K.S.Zavriyevym.

(Metals--Testing)

KVIRIKADZE, O.P.

Modulus of deformation of concrete. Soob. AN Gruz. SSR 22  
no. 1:63-66 Ja '59. (MIRA 12:5)

1. Tbilisskiy institut inzhenerov zheleznodorozhnogo transporta  
imeni V.I. Lenina.  
(Concrete) (Elastic solids)

KVIRIKADZE, O.P., inzh.

Effect of the load rate on the strength and deformation of concrete under tension. Bet. i zhel.-bet. no.1:33-36 Ja '62.

(MIRA 15:4)

(Concrete--Testing)

KVIRIKADZE, O.P., inzh.

The moduli of elasticity and of complete deformations of  
concrete. Bet. i zhel.-bet. 8 no.8:363-364 Ag '62.

(MIRA 15:9)

(Concrete--Testing)

KVIRIKADZE, O.P.

Poisson's ratio for pumice concrete and reinforced pumice  
concrete. Trudy GPI [Gruz.] no.5:59-64 '61. (MIRA 15:12)  
(Lightweight concrete--Testing)

KVIRIKADZE, O.P.

Deformations and strength of types of concrete under various  
speeds of loading. Trudy GPI [Gruz.] no.5:65-79 '61.

(MIRA 15:12)

(Precast concrete—Testing)

KVIRKADZE, O.P.

Some problems of the strength and deformation of types of concrete  
under extension. Trudy GPI [Gruz.] no.5:147-152 '62. (MIRA 15:12)  
(Concrete--Testing)



KVIRIKADZE, O.P.

Determining the geometric elements of a round arch. Trudy Inst. stroi.  
mekh. i seism. AN Gruz. SSR 9:57-61 '63. (MIRA 17:12)

KVIRIKADZE, O.P.

Modulus of elasticity and modulus of complete deformations of  
concrete. Soob. AN Gruz. SSR 30 no.1:41-45 Ja '63.

(MIRA 17:1)

1. Institut stroitel'nogo dela AN Gruzinskoy SSR. Tbilisi.  
Predstavleno akademikom K.S. Zavriyevym.

TSILOSANI, V.N.; KVIRIKADZE, O.P.

Physical nature of the relationship between the strength and  
deformability of cement stone and the rate of loading. Soob.  
AN Gruz. BSR 32 no.3:603-610 1963.

(MIRA 17:11)

1. Institut stroitel'noy mekhaniki i naibezopasnosty AN GruzSSR.  
Predstavleno akademikom K.S. Zavrighvym.

KVIRIKADZE, O.P.

Determining deformations and total deformation modulus or elastic modulus for concrete subjected to compression and tension. Scob. AN Gruz. SSR 38 no.2:351-358 My '65.

(MIRA 18:9)

1. Institut stroitel'ny mekhaniki i seymostoykosti AN GruzSSR.  
Submitted July 13, 1964.

TSILOSANI, Z.N.; KVIRIKADZE, O.P.

Effect of the speed of loading on the strength and  
deformation of cement stone during bending. Trudy Inst.  
stroit. makh. i seism. AN Gruz. 10:103-114 '64.  
(MIRA 16:11)

KVIRIKADZE, T.G.; DZHANPALADOV, S.I.

Welding of thin sheet structures in carbon dioxide. Avtom.  
svar. 17 no.2:75-76 F '64. (MIRA 17:9)

1. Tbilisskiy proyektno-tekhnologicheskoy nauchno-issledovatel'skiy institut mashinostroyeniya i elektrotekhniki (for Kvirikadze).
2. Tbilisskiy mashinostroitel'nyy zavod im. Orázhonikidze (for Dzhanpaladov).

KVIRIKADZE, V. V., MAGAKYAN, G. O. and GVAZAVA, I. S.

"Study of Parenteral Administration of Biomycin and Ekmolin in the Laboratory and in the Clinic" a report prepared at Sukhumi Medico-Biological Station, AMS USSR, 1954.

So: Review of Eastern Medical Sciences, Munich, No. 2, 1956.

KVIRIKADZE, V. V.

KVIRIKADZE, V. V. - "The effect of antibiotics (penicillin, biomycin, ekmolin) alone and in combination on the microflora in acute catarrhs of the upper respiratory tracts". Moscow, 1955. Min Health USSR. Central Inst for the Advanced Training of Physicians. (Dissertation for the degree of Candidate Medical Sciences).

SO: Knizhna Letopis' No. 46, 12 November 1955. Moscow



KVIRIKADZE, V.V. (Cand. of Med. Sci.); FURER, N.M. (Cand. of Bio. Sci.)

"Effect of Antibiotics and Their Combination on Microflora of the Upper Respiratory Tract in Cases of Acute Catarrh,"

p. 163 Ministry of Health USSR Proceedings of the Second All-Union Conference on Antibiotics, 31 May - 9 June 1957. p. 405, Moscow, Medgiz, 1957.

KVIRIKADZE, V.V.; MENDELEVA, M.A.

Antibacterial effect of aminazine; experimental studies. Report No.1.  
Zhur. nevr. i psikh 59 no.5:575-580 '59 (MIRA 12:7)

1. Mikrobiologicheskaya laboratoriya (zav. - kand. med. nauk V.V. Kvirikadze) Nauchno-issledovatel'skogo instituta psikiatrii Ministerstva zdravookhraneniya RSFSR (dir. - prof. V.M. Banskchikov), Moskva.  
(CHLORPROMAZINE, eff.  
antibact, eff. (Rus))

KVIRIKADZE, V.V., kand.med.nauk; MENDELEVA, M.A.; ROMANOVA, I.S.;  
BOBROVA, I.N.

Some immunological characteristics in vascular diseases (atherosclerosis of the brain and hypertension) with mental disorders. Trudy Gos. nauchno-issl. inst. psikh. 22:370-379 '60. (MIRA 15:4)

1. Klinika sosudistykh psikhozov (zav. klinkoy - prof. V.M.Banshchikov) i immunobiologicheskaya laboratoriya (zav. laboratoriyey - kand.med. nauk V.V.Kvirikadze) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikhii Ministerstva zdravookhraneniya RSFSR.  
(CEREBRAL ARTERIOSCLEROSIS) (MENTAL ILLNESS)

BANSHCHIKOV, V.M., prof.; KVIRIKADZE, V.V., kand.med.nauk; MENDELEVA, M.A.

Influence of reserpine on the concentration of antibodies circulating  
in the blood. Trudy Gos. nauchno-issl. inst. psikh. 22:420-425 '60.  
(MIRA 15:1)

1. Klinika sosudistykh psikhozov (zav. - prof. V.M.Banshchikov)  
i immunobiologicheskaya laboratoriya (zav. laboratoriyey - kand.  
med.nauk V.V.Kvirikadze) Gosudarstvennogo nauchno-issledovatel'skogo  
instituta psikhiatrii Ministerstva zdravookhraneniya RSFSR.  
(RESERPINE) (ANTIGENS AND ANTIBODIES)

KVIRIKADZE, V. V. and Y URKOVA, I.A.

"The Study of Toxoplasmosis as an Etiological Factor of  
Oligophrenia in Children"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis,  
Moscow, 3-5 April 1961, publ. by Inst Epidemiology and Microbiology  
in. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69pp.

KVIRIKADZE, V.V., starshiy nauchnyy sotrudnik; KOGAN, R.D., klinicheskiy  
ordinator

Effect of reserpine on phagocytosis. Trudy Gos.nauch-issl.  
inst.psikh. 25:737-744 '61. (MIRA 15:12)

1. Mikrobiologicheskaya laboratoriya (zav. - kand.med.nauk  
V.V.Kvirikadze) i klinika sosudistykh psikhozov (zav. - prof.  
V.M.Banshchikov) Gosudarstvennogo nauchno-issledovatel'skogo  
instituta psikiatrii Ministerstva zdravookhraneniya RSFSR.  
(RESERPINE) (PHAGOCYTOSIS)

KVIRIKADZE, V.V.; MENDELEYEVA, M.A.; PKHALADZE, O.G.; KOGAN, R.D.

Effect of aminazine on the the concentration of specific typhoid fever antibodies in the bodies of rabbits. Trudy Gos.nauch.-issl.inst.psikh. 27:261-266 '61. (MIRA 15:10)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut psikhiatrii Ministerstva zdravookhraneniya RSFSR. Dir. - prof. V.M.Banshchikov. Mikrobiologicheskaya laboratoriya. Zav. - kand.med.nauk V.V. Kvirikadze.

(CHLORPROMAZINE) (ANTIGENS AND ANTIBODIES)  
(TYPHOID FEVER--PREVENTIVE INOCULATION)

KVIRIKADZE, V.V.; YURKOVA, I.A.

Role of congenital toxoplasmosis in the origin of oligophrenia and some other forms of mental diseases. Zhur. nevr. i psikh. 61 no.7:1059-1062 '61. (MIRA 15:6)

1. Mikrobiologicheskaya laboratoriya i klinika psikhozov detskogo i podrostkovogo vozrasta Nauchno-issledovatel'skogo instituta psikiatrii (dir. - prof. D.D. Fedotov) Ministerstva zdravookhraneniye RSFSR, Moskva.  
(TOXOPLASMOSIS) (MENTAL DEFICIENCY)



KVIRIKADZE, V.V.; KOGAN, R.D.

Study of the antimicrobial properties of tofranil; an experimental investigation. Trudy Gos.nauch.-issl.inst.psikh. 35:240-248 '62.  
(MIRA 16:2)

1. Otdeleniye immunologii (zav. otdeleniyem - kand.med.nauk V.V. Kvirikadze) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikiatrii.

(IMIPRAMIN) (BACTERIA, EFFECT OF DRUGS ON)

KUZNETSOVA, V.I.; KVIRIKADZE, V.V.

Experimental study of immunological and morphological changes under the effect of reserpine. Trudy Gos. nauch.-issl. inst. psikh. 42:150-161 '65. (MIRA 18:9)

1. Laboratoriya immunobiologii (zav.- kand. med. nauk V.V. Kvirikadze) i otdeleniye patomorfologii nervnoy sistemy (zav.- kand. med. nauk A.P. Sokolova) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikiatrii Ministerstva zdravookhraneniya RSFSR. Nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. A.P. Avtsyn.

CHEKHOVICH, Ya.I.; LANDO, L.I.; KVERIKADZE, V.V.

Dynamics of the clinical picture and reactive characteristics  
of the body in schizophrenics under the effect of treatment.  
Trudy 1-go MMI 34:181-191 '64. (MIRA 18:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut psikiatrii  
Ministerstva zdravookhraneniya RSFSR (dir. - prof. D.D. Fedotov);  
klinika eksperimental'noy terapii psikhozov (zav. - prof. I.G.  
Ravkin), biokhimicheskaya laboratoriya i mikrobiologicheskaya  
laboratoriya.

ACC NR: AP6032247

SOURCE CODE: UR/0016/66/000/009/0031/0084

AUTHOR: Kvirikadze, V. V.; Kogan, R. D.

ORG: Moscow Scientific Research Institute for Vaccine and Sera im. Mechnikov (Moskovskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok); Scientific Research Institute for Psychiatry, Ministry of Health, RSFSR (Nauchno-issledovatel'skiy institut psikhatrii Ministerstva zdravookhraneniya RSFSR)

TITLE: Using the passive hemagglutination reaction for serodiagnosis of toxoplasmosis infections

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1966, 81-84

TOPIC TAGS: ~~medicinal~~, ~~medical~~, ~~human~~, ~~disease~~, toxoplasmosis, <sup>infectious</sup> disease, diagnostic ~~medicine~~

ABSTRACT: Complement fixation and passive hemagglutination reactions for the serodiagnosis of toxoplasmosis were compared. The simpler passive hemagglutination reaction correlated 100% with the complement fixation test and is recommended for diagnosis of this disease. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 27Jun65/ ORIG REF: 002/ OTH REF: 006/

Card 1/1

UDC: 616.993.192-078.734

ACC NR: AP6032247

SOURCE CODE: UR/0016/66/000/009/0081/0084

AUTHOR: Kvirikadze, V. V.; Kogan, R. D.

ORG: Moscow Scientific Research Institute for Vaccine and Sera im. Mechnikov  
(Moskovskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok);  
Scientific Research Institute for Psychiatry, Ministry of Health, RSFSR (Nauchno-  
issledovatel'skiy institut psikhiiatrii Ministerstva zdravookhraneniya RSFSR)

TITLE: Using the passive hemagglutination reaction for serodiagnosis of  
toxoplasmosis infections

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1966, 81-84

TOPIC TAGS: ~~microbiology~~, ~~medical research~~, ~~immunology~~, toxoplasmosis, <sup>infection</sup> disease,  
diagnostic medicine

ABSTRACT: Complement fixation and passive hemagglutination reactions for  
the serodiagnosis of toxoplasmosis were compared. The simpler  
passive hemagglutination reaction correlated 100% with the  
complement fixation test and is recommended for diagnosis of  
this disease. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 27Jun65/ ORIG REF: 002/ OTH REF: 006/

Card 1/1

UDC: 616.993.192-078.734

KOGAN, R.D.; KVIRIKADZE, V.V.; TABAKH, R.Ya.

Study of the antimicrobial properties of stelazine. Vop.klin.,  
patog. i lech. shiz. no.1:70-71 '64. (MIRA 18:5)

1. Immunobiologicheskaya laboratoriya (zav. - kand.med.nauk  
V.V.Kvirikadze) Gosudarstvennogo nauchno-issledovatel'skogo  
instituta psikhii Ministerstva zdravookhraneniya RSFSR.

KVIRIKASHVILI, B.L.

Catalytic conversion of n-heptane in the presence of glauconite.  
Trudy Inst.khim.AN Gruz.SSR 16:89-98 '62. (MIRA 16:4)  
(Heptane) (Cyclization) (Glauconite)

KVIRIKASHVILI, N.

The Polish people is building socialism. Sov.profsoiuzy 4  
no.1:61-64 Ja '56. (MLRA 9:4)  
(Poland--Economic conditions)

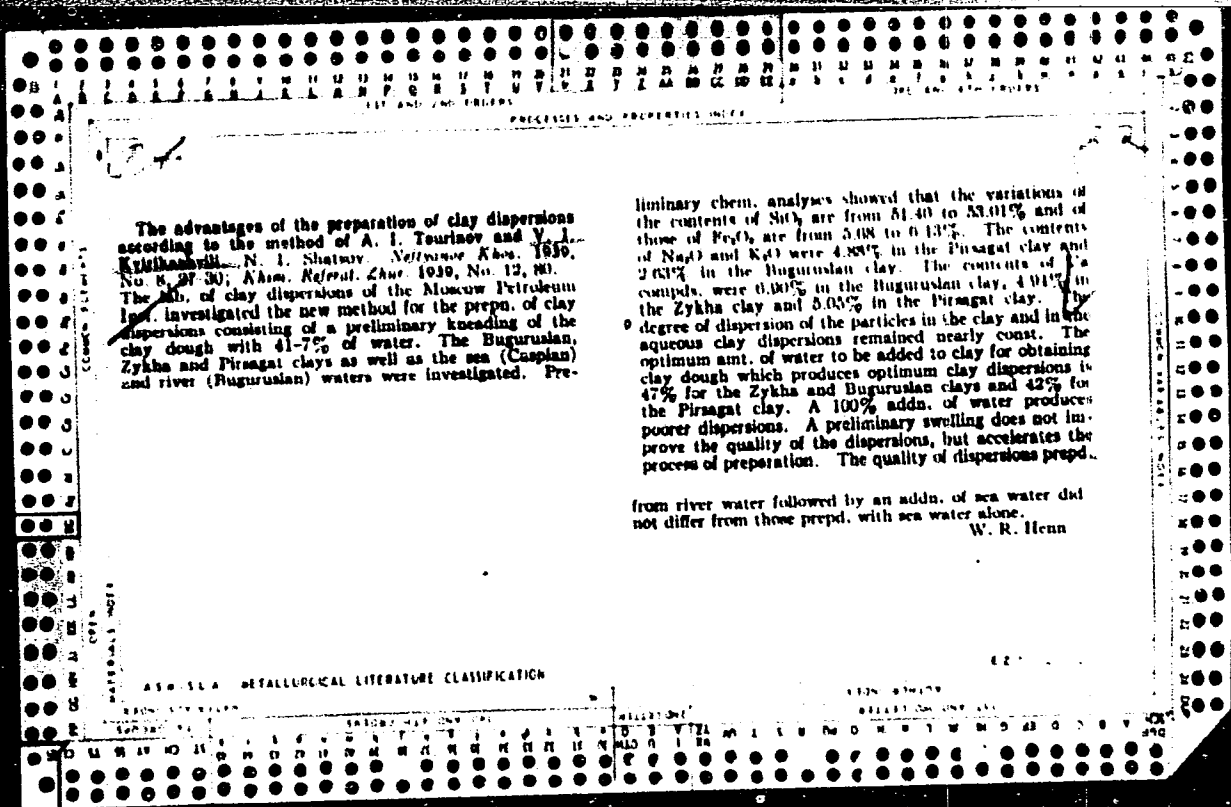


KVIRIKASHVILI, S.

Blow to the railroads of Great Britain. ~~The~~ dor. transp. 45 no. 7:87-  
89 J1 '63. (MIRA 16:9)  
(Great Britain--Railroads)

KVIRIKASHVILI, S.V.

The current situation of the French railways. Zhel.dor.transp.  
39 no.7:86-88 J1 '57. (MLRA 10:8)  
(France--Railroads)



A. E. S.

Geology

New method for the investigation of clays and the preparation of clay solutions. V. L. KVIRIKASHVILI AND A. I. TSURANOV. *Russkii Vestnik*, 1941, No. 9, pp. 5-6; *Khim. Referat. Zhur.*, 6 [4] 101 (1941).—Thixotropy is an important property of clay suspensions. Because of it, the clay retains the drilled rock in a suspended state. A new method for the preparation of clay suspensions consists in mixing the clay with 20 to 80% of its weight of water and blanding it until it forms a thick paste. The amount of water depends on the colloidality of the clay. The clay paste is further mixed for 10 to 15 min., and water is then added to establish the right viscosity. M. Ho.

LET AND ENG. ORDERS PROCESSES AND PROPERTIES INDEX

CA 22

Removal of bubbles from drilling muds. V. I. Kyit-  
kashvili. Russ. 50,410, March 31, 1941. Bubbles are  
removed from muds after addn. of stabilizers, such as  
sulfite lyes, glue, or other colloids by the introduction of a  
foam-forming flotation agent, such as pine oil, oleic acid,  
or Na oleate.

ASS 3LA METALLURGICAL LITERATURE CLASSIFICATION

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CA 14

Use of Aniakop-bentonite clay as coagulant for water clarification and as antiscalant. V. L. Kvtrikashvili. *Bull. Acad. Sci. Georgian S.S.R.* 4, 077-80(1943)(in Georgian and Russian).—The fine-disperse, high-swelling, thixotropic clay of the compn. SiO<sub>2</sub> 61.27, Al<sub>2</sub>O<sub>3</sub> 17.78, Fe<sub>2</sub>O<sub>3</sub> 0.28, CaO 1.38, Mg 3.04, SO<sub>4</sub> 1.20, Na<sub>2</sub>O 0.81, K<sub>2</sub>O 1.04, moisture 13.04, loss on calcination 0.21%, particle sizes of 0-1.12, 1.12-2.2, 2.2-9.5, 9.5-17.4, 17.4-300 μ (including sand), with stabilizer were 77.0, 2.8, 2.2, 1.2, 10.8%, resp., without stabilizer 60.0, 3.5, 10.0, 6.2, 19.9%, resp. Added in amts. of 20 mg. per l. it clarifies water by coagulation, particularly in mixt. with lime, as effectively as Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>; moreover, it lowers the permanent hardness. The action consists in ion exchange against the Na and K ions of the clay. Coagulation was most successful with a hydrate alkalinity of 0.84-1.40° (German grades), carbonate alkalinity 1.12-1.40°. Anticorrosion action is due to removal of Mg salts into the ppt.; this effect is brought about by very small amts. of the clay, 20-180 g. per ton of water; 50 g./ton is recommended as a basis. The action depends entirely on the high dispersity of the clay; coarse fractions are ineffective.

N. Thon

ASA 514 METALLURGICAL LITERATURE CLASSIFICATION

USSR.

Action of sodium carbonate and sodium pyrophosphate on clay suspensions. V. L. Kvirikashvili (P. G. Melikishvili Inst. Chem., Acad. Sci. Georgian S.S.R., Tiflis). *Kolloid. Zhur.* 16, 443-6 (1954).—The static and the dynamic yield stresses  $\theta$  of a bentonite clay (I) and a nonbentonite clay (II) were raised by addn. of  $\text{Na}_2\text{CO}_3$  (0.02-0.5%) to their suspensions in  $\text{H}_2\text{O}$ . However, the rate  $B$  of moisture loss was raised by  $\text{Na}_2\text{CO}_3$  for I and lowered for II, which shows that  $\text{Na}_2\text{CO}_3$  coagulated I and dispersed II.  $\text{Na}_2\text{P}_2\text{O}_7$  lowered both  $B$  and  $\theta$  of II, i.e. stabilized it. Also in *Colloid J.* (U.S.S.R.) 16, 421-4 (1954) (Engl. translation).

I. I. B.

KVIRIKASHVILI, V.L.

USSR / Physical Chemistry - Colloid Chemistry,  
Dispersion Systems.

B-14

Abs Jour : Ref Zhur Khim., No.1, 1958, No. 635.

Author : V.L. Kvirikashvili.

Inst : Institute of Chemistry of Academy of Sciences of Georgian  
SSR.

Title : Kinetics of Thixotropic Strengthening of Clayey Suspensions  
of Natural Clays and Influence of Soda ( $\text{Na}_2\text{CO}_3$ ) and Sapon-  
in on Their Thixotropic Properties.

Orig Pub : Tr. In-ta khimii. AN GruzSSR, 1957, 13, 85 - 92.

Abstract : The kinetics of the thixotropic strengthening of ascan-  
gel (I) and Kvatiskhev clay (II) suspensions was studied  
with the instrument of Veyler-Rebinder. The magnitude of  
the thixotropic structure formation is described by the

Card: 1/2



USSR / Physical Chemistry - Colloid Chemistry,  
Dispersion Systems.

B-14

Abs Jour : Ref Zhur Khim., No.1, 1958, No. 635.

Abstract : difference  $O_{st} - O_d$ , where  $O_d$  and  $O_{st}$  are the structure strengths immediately after stirring and after a prolonged staying. The structures of I, formed by particle linkage with their ribs and ends, are thixotropic, which is revealed in a high  $O_{st} - O_d$ ,  $O_d$  being little. The II particles, linking with their planes, produce little-thixotropic structures with a higher  $O_d$ . An addition of saponin increases the thixotropy of II and decreases that of I. An introduction of soda, which acts hydrating on II and dehydrating on I, increases  $O_d$  and  $O_{st}$  in both cases.

Card: 2/2

S/081/62/000/016/023/043  
B168/B186

AUTHOR: Kvirikashvili, V. L.

TITLE: Contact catalytic transformation of cyclohexane and methylcyclohexane in the presence of a natural glauconitic catalyst

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 16, 1962, 385, abstract 16L17 (Soobshch. AN GruzSSR, v. 27, no. 6, 1961, 671-678)

TEXT: An investigation was carried out on the catalytic properties of natural glauconitic sand (without acid activation) during transformation of cyclohexane (I) and methylcyclohexane (II) at 570-540°C and at atmospheric pressure. The main trend of the reaction is to dehydrogenate I and II to  $C_6H_6$  and  $C_6H_5CH_3$ ; To an insignificant extent the  $CH_3$  group splits off forming  $C_6H_6$ . There is no isomerization of I or II with contraction of the cycle, no hydrogenation with formation of n-hexane or n-heptane, and no formation of higher homologues  $C_6H_6$ . [Abstracter's note: Complete translation.]


Card 1/1

KVIRIKASHVILI, V.L.

Natural materials containing paramagnetic iron oxide - supports of  
nickel catalysts. Zhur.prikl.khim. 36 no.1:33-37 Ja '63.

(Nickel catalysts) (Iron oxides) (MIRA 16:5)

KVIRIKASVELI, Szergej

  
With new strength for our great cause! Vasut 12 no.2:4-5  
25 F '62.

1. "Gudok" munkatarsa.

KVIRIKASHVILI, Z. I.

Viticulture

Means of increasing yield of graft-stock vines. Vin. SSSR 12 No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, UNCL.

BALANDIN, V.I., inzh.; KVIRIN, I.I., inzh.

Standard designs of boiler rooms with VPT-50 and VPT-100 water heating boilers. Nov.tekh.zhil.-kom.khoz.: Elek. i topl. gor. no.5:94-120 '61. (MIRA 18:9)

KUZIN, Mikhail Dmitriyevich; KVIRING, V.E., retsenzent; FEDOTOV, B.A.,  
retsenzent; GORDON, M.M., red.; SYRCHINA, M.M., red. izd-va;  
TURKINA, Ye.D., tekhn. red.

[Assembly and use of control and measuring instruments] Montazh i  
ekspluatatsiia kontrol'no-izmeritel'nykh priborov. Sverdlovsk, Gos.  
nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii.  
Sverdlovskoe otd-nie, 1961. 256 p. (MIRA 14:7)  
(Automatic control) (Measuring instruments) (Steelworks)

KVIRIYA, A. V.

Sen Sci Assoc -- "Agroclimatic Conditions of Certain Fruit Crops in the High Mountain Zone of the Borzhomskiy Rayon." Cand Agr Sci, Georgian Agricultural Inst, 5 Oct 54. (ZV, 18 Sep 54)

SO: Sum 432, 29 Mar 55



PIPIYA, V. I. (Tbilisi, ul. Perovskoy, d. 4); KVIRKELIYA, K. B.

Use of the method of pneumomediastinography in the surgical clinic.  
Grud. khir. 4 no.1:92-95 Ja-F '62. (MIRA 15:2)

1. Iz 1-y khirurgicheskoy kliniki (zav. - prof. N. V. Antelava)  
Tbilisskogo instituta usovershenstvovaniya vrachey (dir. - prof.  
G. R. Khundadze)

(PNEUMOMEDIASTINUM)

PIPIYA, V.I., kand.med.nauk; GABISONIYA, G.T., kand.med.nauk;  
KVIRKELIYA, K.B., Mladshiy nauchnyy sotrudnik)

Diverticula of the duodenum. Vest.khir.no.l:40-44'63. (MIRA 16:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav.-prof. I.K. Pipiya) Tbilisskogo meditsinskogo instituta i 1-y khirurgicheskoy kliniki (zav.-prof. N.V. Anteleva) Tbilisskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey.  
(DUODENUM—DIVERTICULA)

DZIDZISHVILI, N.N.; KVIRKVELIYA, L.R.

Electrical activity of the hippocampus in ontogeny. Trudy Inst.  
fiziol. AN Gruz. SSR. 14:107-120 '65. (MIRA 18:10)

KVIRKELIYA, M. A.

Dissertation: Cand Tech Sci; Asst, Clinic of Children's Surgery and Orthopedics -- "Clinical Value of Certain Functional Tests of the Liver in Surgical Diseases in the Light of Cortico-Visceral Regulation." Dr Med Sci, Tbilisi State Medical Inst, Tbilisi, 1954. Zarya Vostoka, Tbilisi, 10 Jul 54.

SO: SUM No. 356, 25 Jan 1955

*KVIRKYELIYA,*

USSR/Human and Animal Physiology - Blood.

V-3

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8460

Author : Kvirkyeliya

Inst : Tbilisi State Medical Institute

Title : Changes in the Protein Fraction in Connection with Serious  
Surgical Conditions and Trauma

Orig Pub : Tr. Tbilissk. gos. med. in-t, 1956, 9, 463-469

Abstract : No abstract.

Card 1/1

KVIRKELIYA, M.A., prof.

Physical and biochemical changes in the blood of surgical patients during penicillin therapy [with summary in English] *Khirurgia* 34 no.4:77-80 Ap '58 (MIRA 11:7)

1. Iz kafedry obshchey khirurgii (sav. - prof. D.G. Ioseliani) Tbilisskogo gosudarstvennogo meditsinskogo instituta.  
(PENICILLIN, therapeutic use  
pathol. physico-chem. changes in blood of surg. patients (Rus))  
(BLOOD,  
pathol. physico-chem. changes in surg. patients, penicillin ther. (Rus))

KVIRKELIYA, M.A.

Some physicochemical changes in the blood during hypothermia  
in experiment. Eksper. khir. 5 no.4:51-52 Je-Ag '60.

(HYPOTHERMIA)

(MIRA 13:12)  
(BLOOD—ANALYSIS AND CHEMISTRY)

KVIRKELIYA, M.A.

Treatment of infecting and weakly granulating wounds with phytoncides.  
Soob. AN Gruz. SSR 32 no.2:483-488 '63.

(MIRA 18:1)

1. Submitted September 3, 1962.



KVIRKVELIYA, G.D.

Determining the total absorption of star light. Biul. Abast. astrofiz.  
obser. no.23:167-174 '58. (MIRA 11:11)  
(Light absorption) (Stars)

22214-66

ACC NR: AT5024230

SOURCE CODE: UR/3167/65/014/000/0107/0120

AUTHOR: Dzidzishvili, N. N.; Kvirkveliya, L. R.

ORG: *none*

2

B+1

TITLE: The electrical activity of the hippocampus in ontogenesis

SOURCE: AN GruzSSR. Institut fiziologii. Trudy, v. 14, 1965. Sovremennyye problemy deyatel'nosti i stroyeniya tsentral'noy nervnoy sistemy (Present problems of the activity and structure of the central nervous system), 107-120

TOPIC TAGS: hippocampus, CNS ontogenesis, hippocampus electrical activity, hippocampus development, ontogenesis

ABSTRACT: Postnatal development of electrical activity in the hippocampus was studied in newborn rabbits. Three stages were distinguished. During Stage 1 (until 6 to 7 days after birth) the spontaneous electrical activity of the hippocampus is not differentiated from that of the neocortex: low voltage slow waves predominate in both. Direct stimulation of the hippocampus evokes potentials not only on the stimulated side, but in the opposite half of the hippocampus and in the neocortex (especially the visual cortex) as well. Surface negativity of the evoked potential lasts approx. 100 msec. Remoter evoked potentials are preceded by a small positive potential. Rhythmical stimulus sharply diminishes, then suppresses the negative waves. During Stage 1 convulsive discharges in the hippocampus are not seen. During Stage 2

Card 1/2

I 22214-66

ACC NR: AT5024230

(6-7 to 17-20 days after birth), the amplitude of the basic rhythm of spontaneous hippocampal activity increases and "spindle"-type periodic fast waves appear. Rhythmic stimulation during Stage 2 causes progressive augmentation of the evoked potentials (tetanic potentiation). These potentiated responses easily pass over into convulsive discharges. During stage 2, generalized cortical potentials can still be evoked by hippocampal stimulation. During Stage 3, both the spontaneous activity of the hippocampus and the potentials evoked by hippocampal stimulation are similar to those seen in adult rabbits. Hippocampal stimulation no longer evokes generalized responses in the neocortex; such evoked potentials occur in the visual cortex only. The development of hippocampal electrical activity parallels the morphological development of the neural elements of the hippocampus. [DP]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 019/

Card 2/2 nst

KVIRKVELIYA, L.R.

Interaction between inhibition and facilitation in the spinal  
cord. Soob. AN Gruz. SSR 29 no. 3:339-344 S '62  
(MIRA 19:1)

1. Institut fiziologii AN GruzSSR, Tbilisi. Submitted November  
28, 1961.

KVERKVELIYA, L.R.

Reflex activity of the spinal cord following stimulation of the posterior columns. Soob. AN Gruz. SSR 28 no.5:601-606 My '62.  
(MIRA 18:5)

1. Institut fiziologii AN GruzSSR, Tbilisi. Submitted August 31, 1961.

KVIRKVELIYA, O. S., Candidate of Med Sci (diss) -- "The distribution of radioactive phosphorus and calcium in the bones of the growing organism under normal conditions and in radiation disease". Tbilisi, 1958. 14 pp (Tbilisi State Med Inst), 200 copies (KI, No 21, 1959, 119)

KVIRKVELIYA, T. R.

Some problems in the interrelationship between architecture and  
nat. Trudy GPI [Gruz.] no. 4:73-81 '63. (MIRA 17:5'

*Kvit, I.D.*

CTRSPI, Vol. 5 No. 1 Jan. 1952

Kvit, I.D.  
The N.V. Smirnov theorem concerning the comparison of two selections  
Akademiya Nauk, Doklady 71, #2, 229-31 (1950)

TRANSLATIONS AVAILABLE AT BROOKHAVEN NATIONAL LABORATORY



KVIT, I. D.

Berlyand, H. L., and Kvit, I. D. On a problem of comparison of two samples. *Doklady Akad. Nauk Ukrain. RSR* 1952, 13-15 (1952). (Ukrainian. Russian summary)

The Kolmogorov-Smirnov theorems describe the asymptotic distributions of various measures of the discrepancies between two empirical distribution functions for large samples. Kvit [Doklady Akad. Nauk SSSR (N.S.) 71, 229-231 (1950); these Rev. 13, 528] derived the corresponding asymptotic distributions when considering the empirical distribution functions only on certain central subintervals of their intervals of variation. In the present article the authors state without proof the corresponding results when considering the empirical distribution functions only outside these subintervals. *J. L. Doob (Urbana, Ill.)*.

KVIT, I.D., kandidat fiziko-matematichnikh nauk.

Comparison of empiric distributions of two independent samples  
for some sections of the variance of argument. Dop.ta pov.  
L'viv.un. no.4, pt.2:60-61 '53. (MLRA 9:11)

(Sampling (Statistics)) (Distribution (Probability theory))

KVIT, R. I., Cand of Agric Sci -- (diss) "Watering as a factor for increasing harvests of vegetables in the forest steppe area of the Ukraine."

Khar'kov, 1957, 19 pp (Khar'kov Agricultural Institute im V. V. Dokuchayev)

150 copies (KL, 37-57, 103)

ARKHIPOVICH, N.A.; ZELENINA, L.M.; KVITA, S.N.

Determining the natural alkalinity of the first carbonation  
juice. Sakh.prom. 37 no.9:42-44 S '63. (MIRA 16:9)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlen-  
nosti imeni Mikoyana. (Sugar manufacture)