

TSOLOV, Kh. VASILEVA, M. (Sofiya)

Quick's method in determining the detoxicating function of the  
liver. Gig. truda i prof. zab. 2 no.6:62-64 H-D '58 (MIRA 11:12)

1. Institut gigiyeny truda i profbolezney.  
(URINE--ANALYSIS AND PATHOLOGY)  
(HIPPURIC ACID)

VUTEV, Evg., inzh.; BEZLOV, D., inzh.; VASILEVA, M., inzh.; DRAGOMIROV, T.

Increasing durability of the guides of metal-cutting tools  
by surface hardening. Mashinostroene 12 no.6:17-22 Je'63.

KIRIAKOV, Kr.; VASILEVA, M.

Physiological characteristics of work of radiotelephone  
operators. Suvr. med. 12 no.10:13-18 '61.

(OCCUPATIONS AND PROFESSIONS)

VASILEVA, Margarita

Along the creative path of a prominent rationalizer. Ratsionalizatsia  
no.10:14-15 '62.

VASILEVA, Maritsa (Bolgariya); SVESHNIKOVA, B.Ye. [translator]

Transforming spring vetch into winter vetch. *Agobiologia*  
no. 3:361-365 My-Je '60. (MIRA 13:12)

1. Institut rasteniyevodstva Bolgarskoy akademii nauk,  
Sofiya.

(Vetch)

VASILEVA, Maritsa (Narodnaya Respublika Belgariya)

Obtaining the winter forms of the vetch *Vicia sativa* from spring forms by controlled conditioning. Agrobiologiya no.5:738-744 5-0 '64. (MIRA 17:11)

1. Akademiya sel'skokhozyaystvennykh nauk, tsentral'naya laboratoriya genetiki, Sofiya, Belgariya.

SALCHEVA, G.; VASILEVA, M.

Preservation of spring oat and pea plants in winter under artificial conditions. Agrobiologiya no.5:764-765 5-0 '65.  
(MIRA 18:9)

1. Institut rasteniyevodstva i Tsentral'naya geneticheskaya laboratoriya Akadem'i sel'skokhozyaystvennykh nauk, Sofiya, Narodnaya Respublika Bolgariya.

BULGARIA/Optics - Instruments for Optical Analysis

K-9

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 24156

Author : Pachova I., Vasilova N.

Inst : Not Given

Title : Investigation of an Arc Discharge at Various Pressures.

Orig Pub : Izv. B<sup>ulg.</sup> AN Otd. fiz.-matem. i techn. i. Ser. fiz., 1957,  
6, 155-164

Abstract : Report of the results of an investigation of a d-c arc in the air at pressures from 4 to 760 mm mercury. The investigations were carried out to establish the influence of certain elementary processes in the discharge on the intensity of the spectral lines. The results have shown the following: 1. The pressure dependence of the relative intensity of two lines in the presence of strong reabsorption in one of these does not coincide with the dependence previously obtained by O.F. Samonova and V.V. Kokhanenko (Izv. An SSSR, ser. fiz. 1950, 6, 727). An explanation for this discrepancy must be sought in the dependence of reabsorption

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BULGARIA/Optics - Instruments for Optical Analysis

K-9

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 24156

on the number of atoms in the arc discharge. 2. Certain conclusions of the Unsold theory (Unsold A., Physik d. Sternatmosphären, Springer, 1938) on recombination of free electrons and ions in gas plasma. The measurement of the ratio of the intensities of the lines to the adjacent background has shown that the recombination of free electrons with ions depends on the pressure.

Cerd : 2/2

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VASILEVA, N.

Viscosity of the source, and its influence on the angular correlations of  $\text{Pr}^{144}$  and  $\text{As}^{75}$  gamma rays. *Godishnik fiz mat* 57:7-13 '62/'63 [publ. '64].

SOV/58-59-3-26713

Translation from: Referativnyy zhurnal. Fizika, 1959, Nr 12, p 32 (USSR)

AUTHOR: Vasileva, N.

TITLE: On the Diffusion of Elements of the Thorium Radio-Active Family in a Nuclear Emulsion 19

PERIODICAL: Godishnik Sofiysk. Un-t. Fiz.-matem. fak., 1956-1957 (1958), Vol 51, Nr 1, pp 161 - 165 (Bulgarian; Russian résumé)

ABSTRACT: The photographic plate - Agfa K2, with a thickness of  $200 \mu$ , was kept in an aqueous solution of thorium nitrate for one hour in order to study the diffusion of atoms of the thorium family in a nuclear emulsion. After it was dry, the radio-active atoms were pulled out onto a clean photographic plate by means of an electric field. "Stars" were observed through the microscope on the developed photographic plate, resulting from the decay of the starting elements - RdTh, ThX and Tn. Diffusion is found to take place in some of these "stars", i.e., one or several of the  $\alpha$  - particle traces do not emanate from the center of the star, but are rather shifted some distance away from it. The statistics

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SOV/58-59-3-26713

On the Diffusion of Elements of the Thorium Radio-Active Family in a Nuclear Emulsion

studied enable one to form the following conclusions: a) diffusion took place in 35% of the cases from all the five-ray stars; in 10% of the cases from all the four-ray stars; in 2.3% of the cases from all the three-ray stars; b) there is 28% diffusion in stars formed by  $RdTh$ ; 7% diffusion in those formed by  $ThX$ ; 3% diffusion by  $Tn$ ; c) of all these elements  $ThX$  diffused most frequently - in 45% of the cases of diffusion;  $Tn$  - in 16%; the other elements of the  $Th$  family - in 3 to 8%.

Author's résumé

Card 2/2



VASILEVA, N. (Sofia)

Application of radioisotopes. Mat i fiz Bulg 6 no.1:9-15 Ja-F'63.



EXCERPTA MEDICA Sec 6 Vol 13/9 Internal Med Sent 50

5123. THROMBOCYTOPOIESIS IN BRUCELLOSIS PATIENTS WITH A HAEMORRHAGIC SYNDROME (Russian text) - Vasileva N. I. - TERAP. ARKH. 1958, 30/12 (57-59)

Clinical study of brucellosis cases yielded the following observations: Thrombocytopoiesis is impaired as expressed in increase of the younger non-functional megakaryocytes and degenerative changes in their nuclear and cytoplasmic structure. The increased number of megakaryocytes found in the bone marrow by needle biopsy in patients with haemorrhagic syndromes indicates that the change in the megakaryocytogram is not associated with depression of giant-cell formation; rather, there is an impairment of their maturation. In isolated cases of brucellosis a profound deviation of thrombocyte formation may arise with formation of subquality blood platelets. The association of fairly definite disturbances of thrombocytopoiesis with marked splenomegalic syndromes affords a basis for the view that the spleen plays a certain role in the arrest of maturation of megakaryocytes and in the development of the thrombocytopenic syndrome in brucellosis. The derangement of thrombocytopoiesis in brucellosis can sometimes be associated with severe impairment of haemopoiesis, resulting from aplasia of haemopoietic tissue in the bone marrow.

(L, 6)

GEORGIEV, V.; RUSINOV, K.; VASILEVA, O.

Pharmacological studies on phenylcarbamide derivatives with special reference to their chemical structure and anticonvulsive properties. I. Izv. Inst. fiziol. (Sofia) 7:233-242 '64.



GIZOV, G.;VASILEVA, R.;DOSPEVSKI, D.

Poisoning with naphthalene and betanaphthol in infants. Izv. Med. inst.,  
Sofia 2 no.3:219-248 1951. (CIML 22:1)

1. Doctor, Head Assistant at the Institute of Forensic Medicine for  
Vasileva; Doctor and Senior Assistant at the Children's Clinic for Gizov  
and Dospevski.

VASILEVA, R.; ABRASHEVA, P.

Experimental studies on a possibility of determining E-605 in exhumed cadavers and chemical and legal determination of poisoning. Nauch. tr. vissh. med. inst. Sofia 39 no.1:189-202 '60.

1. Predstavena ot prof. M. Markov, zav. Katedrata po cudebna meditsina.

(PARATHION toxicol) (IDENTIFICATION MEDICOLEGAL)

VASILEVA, R.; ABRASHEVA, P.

Medico-legal studies on E-605 poisoning in our area (according to data of the department). Nauch. tr. vissh. med. inst. Sofia 39 no.1:203-219 '60.

1. Predstavana ot prof. M. Markov, zav. Katedrata po cudebna meditsina.

(PARATHION toxicol)

VASILEVA, R.

Medicolegal studies of zinc phosphide poisonings. Nauch. tr.  
vissh. med. inst. Sofia 41 no.4:67-77 '62.

1. Predstavena ot prof. M. Markov.  
(ZINC) (SUICIDE) (HOMICIDE)

VASILEVA, R.

On patho-morphological diagnosis of air embolism. Nauch tr.  
vissh. med. inst. Sofia 42 no.1:95-103 '63.

1. Predstavena ot prof. M. Markov.  
(EMBOLISM, AIR) (PATHOLOGY)

BULGARIA / Chemical Technology. Chemical Products H-6  
and Their Application--Safety and Sanitation

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8748

Author : Vasileya, R.

Inst : Not given

Title : Poisoning by Insecticides E-605, Parathion,  
NIUIF 100

Orig Pub: Nauchni tr. Vissh. med in-t. Sofiya, Klinich.  
katedri, 1957, 3, No 3, 171-183

Abstract: The clinical picture is described of poisoning by  
E-605, parathion, NIUIF-100. Data are given for  
specialist in forensic medicine of 14 cases of  
poisoning by these insecticides. Bibliography  
18 references. --T. Brzhevskaya

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VASILEVA, Sl., khimik, laureat na Dimitrovska nagrada.

Internal chemical treatment of boiler water, and boiler scavenging.  
Tekhnika Bulg 2 no.2:23-25 F '53.

VASILEVA, St.

Conference of the experts for detecting the direction of radio-atmospheric disturbances. Spisanie BAN 8 no.2:53-56 '63



VASILEVA, Svetla

Atmospheric radio disturbances in Bulgaria. Fiz mat spisanie  
BAN 6 no. 2:114-122 '63.

LAMBA, K.D., inzh.; VASILEVA, S.V., inzh.

Adhesives for fusing concrete and "plastic" concrete structures  
in underground construction. Shakt.stroi. 6 no.11:14-16 N '62.

(MIRA 15:12)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy  
institut podzemnogo shakhtnogo stroitel'stva.  
(Concrete constructions) (Adhesives)

METEVA, Ia.; VASILEVA, T.; ROMANOV, M.; RALCHEVA, A.; MILOSHEVA, E.

Epidemic of serous meningitis and similar disease. Suvrem.  
med., Sofia 6 no.11:46-51 1955.

1. Iz I detska gradska bolnitsa, Soflia. nauchen rukovoditel:  
prof. Br. Ts. Bratanov.

(MENINGITIS, epidemiology,  
serous, epidemic outbreak in Bulgaria. (Bul))

USSR / Cultivated Plants. Fruits, Berries.

M-7

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58742

Author : Vasil'eva, T. A.

Inst : Mold. Branch Acad. Sci USSR

Title : The Aftereffect of the Focus Introduction of the  
Mineral Fertilizer on the Microbiological Processes  
of Soil Beneath the Apple Tree Plantings

Orig Pub : Izv. Mold. fil. AN USSR, 1957, No 5, 111-121

Abstract : The introduction of fertilizers in focuses contributed to the intensification of microbiological processes in the soil of the rhizosphere. A decrease in number of various micro-organisms in the rhizosphere was observed in phases connected with the increase of absorption of food from the soil; but when the absorption of the food diminished a noticeable increase in their number was noticed. The positive effect of fertilization focuses

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USSR / Cultivated Plants. Fruits, Berries.

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Ats Jour : Ref Zhur - Biologiyz, No 13, 1958, No. 58742

was not limited to one year but diminished gradually.  
-- N. A. Golikova

Card 2/2

VASILEV, I., prof.; MOTOVA-UZUNOVA, M., assistant; VASILEVA, V., ordinator

First department for the protection of the vision of children  
in Bulgaria. Uch.zap. GNII glaz.bol. no.7:193-195 '62. (MIRA 16:5)

1. Iz glaznoy kliniki (dir. - prof. I. Vasilev) Instituta dlya  
spetsializatsii i usovershenstvovaniya vrachey, Sofiya.  
(BULGARIA---EYE---DISEASES AND DEFECTS)

KAMENOV, Il., inzh.; VASILEVA, Ves., inzh.; SHIDEROVA, R.,  
inzh.

Some data on the composition of waste water from Bulgarian  
flotation enterprises. Min delo 18 no. 12: 23-24 D '63.

1. "Niproruda".

KAMENOV, Ilia, inzh., nauchni sutrudnik; VASILEVA, Veselina, inzh.,  
nauchna sutrudnitsa

On the new foaming agents in Bulgarian flotation practice.  
Tekhnika Bulg 11 no.6:225-227 '62.

1. "Niprocuda".



1 10293-66 FSS-2/EWT(1)/FS(v)-3/EEC(k)-2/EWA(d) TT/RD/GW

ACC NR: AP6000310

SOURCE CODE: UR/0293/65/003/006/9935/0939

AUTHOR: Natochin, Yu. V.; Sokolova, M. M.; Vasil'eva, V. F.; Balakhovskiy, I. S.

ORG: none

TITLE: Investigation of the kidney function of the Voskhod-1 crew

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 6, 1965, 935-939

TOPIC TAGS: human physiology, manned space flight, kidney function, water excretion, Voskhod 1, Komarov, Feoktistov, Yegorov

ABSTRACT: The kidney function of the Voskhod-1 crew was analyzed quantitatively and chemically. The subjects underwent tests in which they fasted between 1900 hr and 0700 hr. Urine samples were collected for this period. At 0700 they drank boiled water, constituting 2 percent of their body weight, for a period of 30 min. Urine was then collected at 30-min intervals for 2 hr. Chemical analyses consisted of: 1) the photometric determination (SF-4A apparatus) of creatinine in the urine and blood serum (glomerular filtration); 2) the flame photometric determination of blood and urine Na and K concentration; 3) the cryoscopic determination of liquid osmolar concentration; 4) the Silber-Porter determination of 17-21 hydroxy-20-ketosteroids. The Smith method (H. Smith. Principles of Renal Physiology. N. Y., 1956) was used to quantitatively evaluate the osmoregulatory function of the kidneys. The results of these tests are given in Tables 1 and 2. It was concluded that the

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UDC: 629.198.61

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ACC NR: AP6000310

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Table 1. Results of kidney function tests of the Voskhod-1 crew

Indices	V. M. Komarov			K. P. Feoktistov		B. B. Yegorov		
	Control 5.IX	2 days after flight 15.IX	10 days after flight 1.IX	Control 5.IX	10 days after flight 1.IX	Control 5.IX	2 days after flight 17.XI	10 days after flight 1.IX
Nocturnal cycle								
1. Normal filtration, ml/min	134	133	135	131	129	114	100	110
2. Osmotic urine concentration/plasma	3.45	3.8	3.3	3.9	2.8	1.65	2.5	1.9
3. Urine sodium concentration, mg equiv/l	250	189	183	193	202	120	220	150
Water load								
4. % Water load excreted/2 hr	60	21	66	64	43	85	42	71
5. Maximum diuresis after water load, ml/min	14.0	2.7	15.9	12.7	11.2	15	12.2	14.8
6. Osmotic urine concentration/plasma at heights of diuresis	0.26	0.93	0.19	0.18	0.46	0.17	0.26	0.25
7. Minimum urine sodium concentration, mg equiv/l	15	30	5.9	7.8	12	6.9	5.0	5.7
8. $\text{CH}_2\text{O}$ at the height of diuresis, ml/min	10.4	0.19	12.9	10.4	6.05	12.3	9.0	9.0

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ACC NR: AP6000310

Table 2. 17-oxycorticosteroid, potassium, and sodium excretion by the Voskhod-1 crew

Indices	V. M. Kopayev						K. P. Feoktistov						B. B. Yegorov					
	Control			Before flight 11.X	After flight		Control			Before flight 11.X	After flight		Control			Before flight 11.X	After flight	
	1.IX	2.IX	3.X		14.X	15.X	1.IX	2.IX	3.X		14.X	15.X	1.IX	2.IX	3.X		14.X	15.X
17-OH steroids mg/day	6.4	8.8	6.5	6.7	8.5	3.7	4.8	3.0	8.5	5.5	5.8	3.7	5.8	3.8	4.1	3.6	7.4	2.5
17-OH steroids mg/g creatinine	3.5	4.8	3.2	3.5	4.0	2.1	2.9	1.7	4.7	2.9	3.1	2.0	4.1	1.7	2.2	2.3	4.0	1.4
K g/day	2.9	3.2	2.7	2.5	2.9	2.8	2.4	2.7	3.6	2.2	2.7	2.6	2.4	2.4	2.3	1.5	2.6	1.8
Na g/day	4.6	3.3	3.4	3.6	3.3	4.0	3.0	3.4	5.7	5.2	4.3	4.4	2.9	4.8	3.3	3.9	3.4	3.5
Ca/Na, g equiv.	0.36	0.35	0.44	0.4	0.7	0.4	0.27	0.29	0.36	0.24	0.36	0.24	0.44	0.29	0.4	0.25	0.44	0.3

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ACC NR: AP6000310

water excretion by the Voskhod-1 crew was altered 2 days after the flight, based on the fact that their ability to eliminate water was decreased. This functional shift normalized after 18 days. It is hypothesized that, under the effect of space-flight stresses and especially during weightlessness, the water regulatory system adjusts to what seems to be elevated water and salt levels which increases the rate of water elimination. Upon return to terrestrial conditions the reverse is true, and water elimination progresses more slowly. Orig. art. has: 2 tables. [CD]

SUB CODE: 06/ SUBM DATE: 10Sep65/ ORIG REF: 006/ OTH REF: 002/ ATD PRESS:

4166

OC

Card 4/4

VASILEVA, Ye. K. Cand. Med. Sci.

Dissertation: "Border Bucky's Rays and Their Significance in Treatment of Certain Dermatoses." First Moscow Order of Lenin Medical Inst. 13 Oct 47.

SO: Vechernyaya Moskva, Oct, 1947 (Project #17836)

VASIL'EVA, E. K.

37681 o primeneni pogramnykh luchey bukki dlya tseley  
rentgenografii. vestnik venerologii i dermatologii,  
1949, No. 6, s. 36-37

So. Letopis' Zhurnal'nykh Statey, Vol. 47, 1949

VASILEVA, Ye.K., kandidat meditsinskikh nauk

Grenz rays (Bucky's rays) in cosmetological practice. Vest. ven.  
i derm. no.4:56 J1-Ag '54. (MLRA 7:8)  
(SKIN--DISEASES) (X-RAYS--THERAPEUTIC USE)

VASILEVA, N.K., kandidat meditsinskikh nauk (Moskva)

Therapy of keloid scars with grenz rays. Klin. med. 32 no.11:  
71 N '54. (MLRA 8:1)

1. Iz lechebnitsy "Vrachebnaya kosmetika" (dir. I.A.Khromchenko,  
sav. lechebnoy chast'yu M.G.Polikarpova)

(FIBROMA

keloid, cicatricial, ther., grenz rays)

(RADIOTHERAPY

grenz rays in keloid, cicatricial)



ACC NR: AP6025809

(A,N)

SOURCE CODE: UR/0326/66/013/004/0595/0601

AUTHOR: Kraft, V. A.; Doman, N. G.; Vasileva, Z. A.

ORG: Institute of Plant Physiology im. K. A. Timiryazev, Academy of Sciences, SSSR, Moscow (Institut fiziologii rasteniy Akademii nauk SSSR); Institute of Biochemistry im. A. N. Bakh, Academy of Sciences, SSSR, Moscow (Institut biokhimii)

TITLE: Effect of defoliants on some products of photosynthetic assimilation of carbon dioxide

SOURCE: Fiziologiya rasteniy, v. 13, no. 4, 1966, 595-601

TOPIC TAGS: defoliant, defoliant effect, photosynthesis, plant physiology, ~~plant~~, ~~defoliant~~ defoliant agent, plant morphology, plant sensibility

ABSTRACT: The radioactive tracer method was used in studying the fixation of  $CO_2$  in plant tissue treated with defoliants. Fig. 1 shows the effects of defoliants on the intensity of  $C^{14}O_2$  fixation by cotton and bean leaves. Treatment with Butiphos and BEXT caused decreased photosynthetic fixation of labeled  $CO_2$  in bean and cotton plants. The amino acid fraction increased in cotton plants, while labeled alanine and aspartic acid increased in both species. Both defoliants increase the amount of organic and phosphoric acids.  $CO_2$  fixed in polysaccharides is decreased while pretreatment of the plants by

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UDC: 581.132+632.934+633.51+635.652

ACC NR: AP6025809

keeping half in darkness and half in light for several hours before applying defoliant had no effect on the final composition of photosynthetic products in the leaves of both groups of plants.

[WA-50; CBE No. 11]

SUB CODE: 06/ SUBM DATE: 19Jun 65/ ORIG REF: 018/ OTH REF: 006/

Card 2/2



VASILEVA-ALEKSANDROVA, P.; ALEKSANDROV, A.

Microcrystallescopic identification of mercury(Hg) (I) ions in  
media of picrolonic acid. Doklady BAN 14 no.6:595-598 '61.

1. Note presented par D. Ivanov, membre de l'Academie bulgare des  
Sciences.

ALEKSANDROV, A.; VASILEVA-ALEKSANDROVA, P.

Photometric determination of bivalent tin with picrolonic acid.  
Zhur.anal.khim. 18 no.7:905-906 J1 '63. (MIRA 16:11)

1. Institute of Food and Flavouring Industry, Plowdiv, Bulgaria.

ALEKSANDROV, A.; VASILEVA-ALEKSANDROVA, P.

Detection of tin in the systematic analysis of cations of the  
hydrogen sulfide group. Zhur.anal.khim. 18 no.10:1275-1276  
O '63. (MIRA 16:12)

1. Institute of Food and Flavouring Industry, Plovdiv, Bulgaria.

VASILEVA-DRIANOVSKA, O.

"Cytochemical investigation of the nucleolus in megasporogenesis of Lilium L.  
In English."

DOKLADY, Sofia, Bulgaria, Vol. 11, no. 3, May/June 1958.

Monthly list of East European Accessions Index (EEAI), The Library of  
Congress, Volume 8, No. 8, August 1959.

Unclassified

VASILEVA-DRIANOVAKA, O.A. (Sofia)

Dynamics of deoxyribonuclease acid (DNC) in the process of fecundity  
and embryogenesis in certain plants. Izv biol med BAN 3 no.4:3-9 '60.  
(EEAI 10:3)

1. Biologichen Institut "M.Popov" (Direktor: prof. K.Popov)  
(DEOXYRIBONUCLEIC ACIDS) (PLANTS)



VASILEVA-DRIANOVSKA, O.

Cytochemical studies of the plants refuting the theory of  
the constancy of deoxyribonucleic acid (DNA) in the nucleus.  
Izv Inst bot BAN no.8:129-143 '61.

VASILEVA - DRYANOVSKA, U.H.

19

Scena, Publitsk Belorussk Pravda, № 2, Vol. 14, No. 4, 1951 (contin-  
ued)

12. "The Relations between the Specific East and the Balkans Countries at 1951 Year," L. G. Pidin (in French with Russian summary) pp 373-378.
13. "Notes on 'Universal' and 'Demographic' Particularities of the Balkan Nation and the Balkan Countries," L. G. Pidin and L. P. Dany (in English with Russian summary) pp 378-384.
14. "Method of Investigating East Process. In Studies of Peace," L. G. Pidin (in Russian with German summary) pp 384-389.
15. "Sociological Studies of Balkan States (Czech and Polish in German and Russian with Russian summary)," G. L. N. (in Russian with Russian summary) pp 389-394.
16. "New Data on Yugoslav Territorial Structure," Ye. Evtukova (in English with Russian summary) pp 394-397.
17. "Studies on the Specific of Constitutional, Administrative and Political Systems of Bulgaria, Rumania, Czechoslovakia and Yugoslavia," V. Dany (in English with Russian summary) pp 397-402.
18. "Vasileva, Doryanovska, U.H. - A New Foundation of the Family Formations from the Point of View of Genetic, Morphological and Physiological (in Russian with Russian summary) pp 402-409.
19. "Special Features of Comparative Analysis of Socialist Societies for the Purpose of Sociology," Ye. Dany and Ye. Aleksandri (in French with Russian summary) pp 409-412.
20. "On the Structure of the Economy of the East of Europe and Political Territorial Organization of Bulgaria," V. Dany (in English with Russian summary) pp 412-416.
21. "On the Distribution of the East of the Civil Society," O. D. Dany (in French with Russian summary) pp 416-417.
22. "Changes in the Political Consciousness of the East when Plans in Economy of the Society," V. Dany (in German with Russian summary) pp 417-418.
23. "The Influence of Economic Relations on the Structure of the Political Organization of the East," V. Dany (in English with Russian summary) pp 418-419.

VASILEVA-DRIANOVSKA, O.A.

Eleventh International Congress of Genetics in The Hague. Nauch zhivot  
6 no.4:14 O-D '63.

VASILEVA-IANCHEVA, V.

On amblyopia with faulty fixation and results of Cupper's therapy.  
Khirurgia, Sofia 14, no.7:631-637 '61.

1. Institut za spetsializatsiia i usuvurshenstvuvane na lekarite,  
Sofia. Katedra po ochni bolesti. Zav. katedrata prof. Iv. Vasilev.

(AMBLYOPIA thor)

VASILEVA-IANCHEVA, V.

Studies on strabismus and amblyopia in children in Bulgaria.  
Khirurgia 15 no.7:639-646 '62.

1. Institut za spetsializatsiia i usuvurshenstvuvane na  
lekarite - Sofia. Katedra po ochni bolesti. Zav. katedrata:  
prof. Iv. Vasilev.

(AMBLYOPIA) (STRABISMUS)

VASILEVA-LANCHEVA, V.

The possibility of examination for binocular vision in all eye clinics. Khirurgiia (Sofia) 16 no.7:637-642 '63.

1. Institut za spetsializatsiia i usuvurshenstvuvane na lekarite - Sofia katedra po ochni bolesti, Rukovoditel na katedrata: prof. Iv. Vasilev.

(VISION TESTS) (REFRACTIVE ERRORS)  
(OPHTHALMOLOGY)

VASILEVA-POPOVA, IU.

Studies on the buffer capacity of the sperm of boars  
and stallions. Selskoston nauka z no. 5/6:700-702 '63.

1. VASILEVICH, Alena
2. USSR (600)
4. Actresses
7. Creativeness. Rabotnitsa 31, no. 2, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.



VASILEVICH, Alena

The second encounter; sketch. Rab. i sial. 31 no. 10:7-8 0'55.  
(Minsk--Clothing industry) (MLRA 8:12)

VASILEVICH, Alena.

Where glass melts. Rab. i sil. 31 no.11:6-7 H '55. (MLRA 9:1)  
(Gomel'--Glass manufacture)

VASILEVICH, Alena.

~~Visiting Slutsk weavers. Rab.1 sial. 31 no.12:8-9 D '55.~~  
(Slutsk--Weavers) (MIRA 9:4)

VASILEVICH, Alena.

October Revolution and children. Rab. i sial. 33 no.10:21-22

0 '57.

(MIRA 10:10)

(White Russia--Children)

*0.25124-116, 11-11-57*

VASILEVICH, Alena.

With love in his heart, Rab. 1 sial. 33 no.11:10-11 N '57.  
(Mitskevich, Konstantin Mikhailovich, 1882-1956) (MLRA 10:11)

VASILEVICH, Alena

We must be grateful to their industrious hands. Rab. i sial. 34  
no. 8:4-5 Ag '58. (MIRA 11:8)  
(Minsk--Women--Employment)

VASILEVICH, Alena

My beloved White Russia. Rabotnitsa 36 no.12:8-9 D '58.  
(MIRA 12:2)

(White Russia)

VASILEVICH, Alena [~~Vasilevich, Alena~~]

The first of May is marching throughout the world. Rab. 1 sial.  
35 no.4:1 Ap '59. (MIRA 12:12)

(White Russia--Economic conditions)



VASILEVICH, Elena [Vasilevich, Alena]

A warm and sincere book ("You will investigate this case"; a tale  
by Nina Novoselova. Reviewed by Alena Vasilevich). Rab. 1 sial. 35  
no. 7:17 JI '59. (MIRA 12:12)  
(Novoselova, Nina)

VASILEVICH, Alena

Stars over the Drut' River. Rab. 1 sial. 35 no.9:16-17 S '59.  
(MIRA 12:12)

(Rogachev--Milk, Evaporated)

VASILEVICH, Alena

She works for our people with all her skill and heart; a sketch.  
Rab. 1 sial. 35 no.11:14-15 N '59. (MIRA 13:3)  
(TUMORS--SURGERY) (WOMEN AS PHYSICIANS)

~~VASILEVICH, Alena~~

Children are born for happiness. Rab. i sial. 36 no.5:1 My '60.  
(MIRA 13:10)

(Children)

VASILEVICH, A.

First step in the right direction. Rab. i sial. 36 no.6:17-18 Je  
'60. (MIRA 13:7)

(Senno--Labor rest homes)

(VASILEVICH, Alena

Tell them about this too, Mrs. Takegami Masa. Bab. 1 sial. 36 no.3:  
4-5 Mr '60. (MIRA 13:10)  
(Japan--Women) (White Russia--Women--Employment)

VASILEVICH, Alena.

Your fate. Bab. i sial. 36 no.11:7-8 II '60.  
(Minsk—Actresses)

(MIRA 13:11)

VASILEVICH, Alena.

A good and prudent friend. Bab. 1 sial. 37 no. 3-8-9 Mr '61

(MIRA 14:3)

(Books and reading)



VASILEVICH, Yelena [Vasilevich, Alena]

From the pages of an unwritten book. Rab. 1 sial. 37 no. 5:14-15  
My '61. (MIRA 14:4)  
(White Russia--World War, 1939-1945--Underground movements)

VASILEVICH, Yelena. [Vasilevich, Alena]

We are glad to be with you, dear villagers of Lavrishevo. Rab.i  
sial. 38 no.1:2-4 Ja '62. (MIRA 15:4)  
(White Russia--Rural conditions)

VASILEVICH, Alena

"The people of swampland"; a novel by Ivan Melezh. Reviewed  
by Alena Vasilevich. Rab.i sial. 38 no.3:10 Mr '62.  
(MIRA 15:2)

(Melezh, Ivan, 1921-)

VASILEVICH, Alena

She will always remember these children. Rab. i sial. 38 no.5:  
10-11 My '62. (MIRA 16:1)  
(White Russia--Orphans and orphanages)

VASILEVICH, Alena

Springtime. Rab.i sial. 38 no.6:10-11 Je '62. (MIRA 15:8)  
(Polotsk—Description) (Construction workers)

VASILEVICH, Yelena [Vasilevich, Alena]

We must be vigilant! Rab.i sial. 38 no.8:2-3 Ag '62.  
(MIRA 15:9)  
(Rogachev--World War, 1939-1945--Underground movements)

VASILEVICH, Alena

"People and animals." Rab.i sial. 38 no.11:18-19 N '62.  
(MIRA 15:11)

(Motion-picture plays) (Repatriation)

VASILEVICH, Alena

"Let our skies be always blue." Rab. 1 sial. 39 no.5:8-9  
My '63. (MIRA 16:6)

(Children--Hospitals)  
(Tuberculosis--Hospitals and sanatoriums)



VASILEVICH, Alena

Their skillful hands. Rab. i sial. 39 no.9:4-5 S '63.  
(MIRA 16:11)

-5(4)

## AUTHORS:

Boreskov, G. K., Corresponding Member AS USSR, Vasilevich, A. A. SOV/20-127-5-28/58

## TITLE:

The Mechanism of Isotopic Exchange in Molecular Hydrogen in Platinum Films

## PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 5, pp 1033-1036 (USSR)

## ABSTRACT:

This investigation was carried out for the purpose of finding out whether the exchange mentioned in the title takes place according to the mechanism of an adsorption-desorption or by chain reaction (Refs 1-3). By using tritium adsorbed on platinum foils, the exchange rate at various points of the film and the variable activation energies caused by inhomogeneity of the platinum surface could be measured. The apparatus is shown by figure 1. The platinum film was produced by the atomization of a platinum wire in a vacuum. Figure 2 shows the exchange rate tritium-hydrogen at 90°K, figure 3 - the exchange rate  $H_2-D_2$  at 78°K and 90°K. Figure 4 shows the dependence of the exchange rate and of the activation energy on the degree of the exchange. The conclusion is drawn that exchange takes place according to

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SOV/20-127-5-28/58

The Mechanism of Isotopic Exchange in Molecular Hydrogen in Platinum Films

an adsorption-desorption mechanism. The great difference in activation energies (about 7.5 kcal/mol at temperatures of more than 273°K, 1-0.5 kcal/mol at lower temperatures) could be explained by the fact that at low temperatures only small parts of the surface are active, whereas on the major part of the surface the reaction is smaller by  $1 \cdot 10^{-9}$ . The active sections may be caused by impurities, adsorption of other gases, inhomogeneous distribution of the adsorbed atoms, etc. At higher temperatures the difference in the activation energies of the individual sections are smaller, so that the film reacts practically homogeneously. Although the adsorption-desorption mechanism may be looked upon as probable, the production of complicated active complexes is not to be excluded. There are 4 figures and 7 references, 3 of which are Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L. Ya. Karpova (Scientific Physico-chemical Research Institute imeni L. Ya. Karpov)

SUBMITTED: May 23, 1959

Card 2/2

VASILEVICH, A. A.; BOLEBROV, G. R.

"Mecanisme De L'Echange Isotopique De L'Hydrogene Sur Des Depots Minces De Platine."

report submitted for Catalysis 2nd Intl. Cong, Paris, 4-9 Jul. 60.

Academie des Sciences, Moscou, U.R.S.S.

BORESKOV, G.K., VASILEVICH, A.A.

Mechanism of the isotopic exchange of hydrogen on platinum  
films. *Kin. i kat.* 1 no.1:69-82 My-Je '60. (MIRA 13:8)

1. Fiziko-khimicheskiy institut im. L.Ya. Karpova.  
(Hydrogen) (Deuterium) (Platinum)

33481

S/195/61/002/005/006/027  
E040/E485

5.2430

AUTHORS: Boreskov, G.K., Vasilevich, A.A.

TITLE: Effect of oxygen on the catalytic activity of platinum films in isotopic hydrogen exchange reactions

PERIODICAL: Kinetika i kataliz, v.2, no.5, 1961, 679-683

TEXT: Using an apparatus described previously (Ref.4: Kinetika i kataliz, v.1, 1960, 69), the authors examined the effect of oxygen poisoning of Pt film catalyst in hydrogen adsorption, isotopic hydrogen exchange in molecular hydrogen and in isotopic exchange between chemisorbed and molecular hydrogen. Adsorption curves of hydrogen and oxygen at 90°K and at pressures varying from 1 to  $4 \times 10^{-2}$  mm Hg on freshly prepared Pt films showed that in both cases there is initially a rapid irreversible adsorption which is then followed by a slow and reversible one. The irreversibly adsorbed oxygen has a maximum cover corresponding to 67% of the available catalyst surface area. Tests on hydrogen adsorption by Pt films previously exposed to oxygen adsorptions of 3, 10 and 67% showed that oxygen behaves as a poison of Pt film with respect to the rapid initial adsorption of hydrogen but that the total

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Effect of oxygen on the catalytic ...

adsorption of hydrogen, i.e. the subsequent slow and reversible adsorption, increases. The mechanism of the process is such that, whereas at free points of the Pt film surface one hydrogen atom is adsorbed on each free point, two hydrogen atoms attach themselves to the surface points already occupied by one oxygen atom, presumably leading to the formation of 1 water molecule. The total quantity of hydrogen adsorbed on such oxygen-poisoned Pt films is  $N = 1 + \theta_{O_2}$ , where  $\theta_{O_2}$  is the proportion of catalyst surface covered by oxygen atoms. Tests of tritium adsorption and isotopic hydrogen exchange with molecular hydrogen on oxygen-poisoned Pt film catalysts at 90°K and under hydrogen pressure of 0.1 mm Hg, showed that there is no change in the velocity of isotopic exchange at the points of the catalyst's surface not occupied by oxygen atoms, i.e. that oxygen has no effect on the catalytic behaviour in this respect of Pt films. This conclusion is further confirmed by test data obtained for isotopic exchange in molecular hydrogen at the temperatures of 78 and 90°K and at test pressures of 0.01, 0.1 and 1.0 mm Hg. However, at higher oxygen concentrations on the catalyst's surface, a drop was observed in the catalytic activity with rising

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03481

Effect of oxygen on the catalytic ...

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concentration of oxygen atoms. There are 5 figures, 1 table and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc. The reference to an English language publication reads as follows:  
Ref.3: O.Beeck, A.Smith, A.Wheeler, Proc. Roy. Soc., v.A177, 1940, 62.

ASSOCIATION: Fiziko-khimicheskiy institut im. L.Ya.Karpova  
(Physico-Chemical Institute imeni L.Ya.Karpov)

X

Card 3/3



VASILEVICH, A. I.

VASILEVICH, A. I. (Director, Belorezsk Veterinary Bacteriological Laboratory,  
Vologod oblast.) A case of anthracic septicemia in pigs.

So: Veterinariya; 23; 2-3; February/March 1946; Uncl.  
TABCON

VASILEVICH, A.I.

Intracapsular extraction of cataract in patients with high  
degree of myopia. Vest.oft. no.6:75-77 '61. (MIRA 14:12)

1. Klinika glaznykh bolezney (zav. - prof. M.M. Zolotareva)  
Belorusskogo instituta usovershenstvovaniya vrachey i glaznoye  
otdeleniye (zav. L.A. Birchenko) Minskoy oblastnoy bol'nitsy.  
(CATARACT) (MYOPIA)

VASILEVICH, G.M.

Tunguses

Yessi-Chiringdinsk Evenkis, Sbor. Muz. ant. i etn. 13, 1951.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

AUTHOR: Vasilevich, G.M. SOV-12-90-4-3/22

TITLE: Toponymy of East Siberia (Toponimika Vostochnoy Sibiri)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, 1958,  
Vol 90, Nr 4, pp 324-335 (USSR)

ABSTRACT: The study of the languages of tribes of Tungus origin which inhabit East Siberia, and also special study of the names of rivers, mountains and localities, shows the way the Tungus tribes spread through East Siberia. The author also found many names of non-Tungus origin, which he considers were left by tribes which lived there in pre-Tungus times. There are 8 references, 6 of which are Soviet, 1 French and 1 German.

1. Languages--Study and teaching--Siberia

Card 1/1

VASILEVICH, G.M.

Evenki ancient geographical concepts and map drawings. Izv. Vses.  
geog. ob-va 95 no.4:306-319 J1-Ag '63. (MIRA 16:9)  
(Tunguses) (Physical geography--Maps)

VASILEVICH, I.P.

Salvinia in southern Kirov Province. Bot. zhur. 41 no. 2: 247-248 P  
'56. (MIRA 9:7)

1. Kirovskiy gosudarstvennyy pedagogicheskiy institut imeni V.I. Lenina.  
(Kirov Province--Salvinia)

BORESKOV, G.K.; VASILEVICH, L.A.; GUR'YANOVA, R.N.; KERNERMAN, V.Sh.;  
SLIN'KO, M.G.; FILIPPOVA, A.G.; CHESNOKOV, B.B.

Oxidation of ethylene in a fluidized bed of a catalyst. Kin. i  
kat. 3 no.2:214-220 Mr. Ap '62. (MIRA 15:11)

1. Institut kataliza Sibirskogo otdeleniya AN SSSR i Fiziko-khimi-  
cheskiy institut imeni L.Ya.Karpova.  
(Ethylene) (Oxidation) (Fluidization)

VASILEVICH, N.P.; IVANISHKIN, A.Ya.; LOBAREV, M.I.; OSADCHIY, A.N.

New technological processes for rolling KhVP steel.  
Sbor.rats.predl.vnedr.v proizvod. no.1:23 '61.

(MIRA 14:7)

1. Zavod "Dneprospetsstal".  
(Rolling (Metalwork))



BERKOVSKIY, V.S.; VASILEVICH, N.P.; YEFREMEUKO, S.Z.; KHODIK,  
V.T.

Production of upset strip for the tension suspension of the  
"Zaporozhets" automobile. Metallurg 10 no.1:28 Ja '65.  
(MIRA 18:4)

1. Zavod "Dneprospetsstal".

VASILEVICH, O.

We are keeping our word. Sov. profsoiuzy 17 no.21:6-7 N '61.  
(MIRA 14:10)

1. Master smeny shveyroy fabriki, g. Baranovichi.  
(Baranovichi--Clothing industry)  
(Socialist competition)

VASILEVICH, V.I.

Use of statistical methods in describing plant associations. Vest.  
LGU 15 no.9:64-70 '60. (MIRA 13:4)  
(PLANT COMMUNITIES)