

VOROB'YEV, B.N.

From K.N. Tsiolkovskii's correspondence. Vop. ist. est. i tekhn.  
no.6:46-49 '59. (MIRA 12:6)  
(Tsiolkovskii, Konstantin Eduardovich, 1857-1935)

1(2)

SOV/25-59-7-50/53

AUTHOR: Vorob'yev, B.M., Engineer

TITLE: None given

PERIODICAL: Nauka i zhizn', 1959, Nr 7, pp 78-79 (USSR)

ABSTRACT: The article gives a historical outline with regard to a report of Candidate of Technical Sciences V.A. Parfenov published in the Nauka i zhizn', 1959, Nr 1, and dealing with foreign developments of jet-propelled flying wings. There is 1 Soviet reference.

Card 1/1

TSIOLKOVSKIY, Konstantin Eduardovich; VOROB'YEV, B.N., inzh., red.-sostavitel'  
toma; BLAGONRAVOV, A.A., akademik, otv.red.; SEMEHOV, V.A., doktor  
tekhn.nauk, prof., zaslushenny deyatel' nauki i tekhniki.BSPSR,  
nauchnyy red. toma; RAPOPORT, Ya.A., red.izd-va; PRUSAKOVA, T.A.,  
tekhn.red.

[Collected works] Sobranie sochinenii. Vol.3. [Dirigibles]  
Dirishabli. Moskva, Izd-vo Akad.nauk SSSR. 1959. 316 p.  
(Airships) (MIRA 12:4)

VOROB'YEV, B.N.

Found manuscript. Nauka i zhizn' 27 no.9:59-60 8 '60.  
(MIRA 13:9)

1. Uchenyy sekretar' komissii AN SSSR po podgotovke k  
izdaniyu nauchno-go naslediya K.E.TSiolkovskogo.  
(Rockets (Aeronautics))

(TSiolkovski, Konstantin Eduardovich, 1857-1935)

VOROB'YEV, B.N.

PHASE I BOOK EXPLOITATION

SOV/5424

Tsiolkovskiy, Konstantin Eduardovich

Put' k zvezdam; sbornik nauchno-fantasticheskikh proizvedeniy (Journey to the Stars; Science Fiction Collection) Moscow, Izd-vo AN SSSR, 1960. 351 p. 50,000 copies printed.

Ed.-Comp.: B. N. Vorob' yev; Ed. of Publishing House: V. A. Boyarskiy; Tech. Ed.: T. P. Polenova.

PURPOSE: This science fiction collection is intended for the general reader.

COVERAGE: The book is a complete collection of the science fiction writings of K. E. Tsiolkovskiy. In these accounts many problems connected with the investigation and conquest of space are presented. Cosmic rocket travel and original apparatus to guarantee the survival of men, animals, and plants inside such rockets are described. Tsiolkovskiy speculates

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Journey to the Stars (Cont.)

SOV/5424

on the effect of the gravity of celestial bodies on the size of any possible inhabitants, etc. He sketches the vastness of space and trips to the planets of the solar system. In the preface of the book Academician V. G. Fesenkov provides a critique of Tsiolkovskiy's science fiction writings, reviewing his ideas and pointing out some errors. A still more detailed appreciation and history of Tsiolkovskiy's science fiction is given in the summary by B. N. Vorob'yev. The book is concluded by three appendixes and a number of reproductions of Tsiolkovskiy's sketches. No personalities are mentioned. There are no references.

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AVAILABLE: Library of Congress

Card 4/4

AC/rn/bc  
10-12-61



S/035/62/000/011/003/079  
A001/A101

AUTHOR: Vorob'yev, B. N.

TITLE: M. V. Lomonosov and study of outer space

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 3,  
abstract 11A10 (In collection: "Vopr. istorii yestestvozn. i tekhn.",  
no. 12, Moscow, AN SSSR, 1962, 156 - 157)

TEXT: In connection with the space flight of Yu. A. Gagarin, the author mentions that M. V. Lomonosov was the first scientist who raised the problem of studying atmosphere by lifting instruments to high altitudes and designed the first model of an "aerodromic machine" (helicopter) in 1784. D. I. Mendeleyev pursued Lomonosov's ideas in this direction by proposing the design of a strato-stat. However, the study of the upper atmospheric layers and outer space became possible only thanks to the research of K. E. Tsiolkovskiy and his followers.

Yu. P.

[Abstracter's note: Complete translation]

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TSIOLKOVSKIY, Konstantin Eduardovich; BLAGONRAVOV, A.A., akademik,  
otv. red.; VOROB'YEV, B.N., red.; PROKOF'YEVA, N.B.,  
red. izd-va; YEGOROVA, N.F., tekhn. red.

[Rocket into outer space; investigation of outer space with  
jet-propelled devices] Raketa v kosmicheskoe prostranstvo;  
issledovanie mirovykh prostranstv reaktivnymi priborami. Mo-  
skva, Izd-vo AN SSSR, 1963. 110 p. (MIRA 16:6)  
(Outer space--Exploration)(Rockets (Aeronautics))  
(Tsiolkovskii, Konstantin Eduardovich, 1857-1935)

"APPROVED FOR RELEASE: 03/14/2001      CIA-RDP86-00513R001860820006-0

APPROVED

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VOROB'YEV, B.N.; SOKOL'SKIY, V.N.; MEL'KUMOV, T.M., otv. red.;  
PROKOF'YEVA, N.B., red.izd-va; ASTAF'YEVA, G.A., tekhn.  
red.

[Pioneers in rocket engineering: Kibal'chich, TSiolkovskii,  
TSander, Kondratiuk; selected works] Pionery raketnoi tekhniki;  
Kibal'chich, TSiolkovskii, TSander, Kondratiuk; izbrannye trudy. Moskva, Izd-vo "Nauka," 1964. 670 p.  
(MIRA 17:4)

1. Akademiya nauk SSSR. Institut istorii yestestvoznaniya i tekhniki.

TSIOLKOVSKIY, K.E.; VOROB'YEV, B.N., inzh.; SOKOL'SKIY, V.N.;  
KOSMODEM'YANSKIY, A.A., doktor fiz.-mat. nauk, otv. red.;  
KUDRYAVTSEVA, L.V., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Jet aircraft] Reaktivnye letatel'nye apparaty. Moskva, Izd-  
vo "Nauka," 1964. 473 p. (MIRA 17:3)

VITEBSKIY, Ya.D.; VOROB'YEV, B.P. (Kurgan)

Significance of measuring pressure in the inferior vena cava during  
its ligation in patients with circulatory insufficiency in cardiac  
defects. Eksper. khir. 4 no, 6:45 N-D '59. (MIRA 14:6)  
(BLOOD PRESSURE) (VENA CAVA)  
(HEART---ABNORMITIES AND DEFORMITIES)

KAMENSKIY, I.V.; VOROB'YEV, B.P.; ITINSKIY, V.I.; OSTER-VOLKOV, M.N.

Polymers based on the condensation products of furfurole  
with acetone. Plastic materials based on difurfurylideneace-  
tone. Plast. massy no.3:17-19 '63. (MIRA 16:4)

(Plastics) (Butenone)

VASIL'YEV, V.G.; VOROB'YEV, E.S.; DUDKO, N.A.; ZIL'BERMAN, V.J.; KLITCCHENKO,  
I.F.; LITVINOV, V.R.; TKHORZHEVSKIY, S.A.; CHERPAK, S.I.

Present status of and prospects for the development of the pro-  
duction of natural gas in the eastern Ukrainian oil- and gas-  
bearing region. Gaz. prom. 10 no.4:1-6 '65.

(MIRA 18:5)



VORREYEV, B.S.

Author

APR 1968

Title

Vertical

Abstract

Institution

Presented by

VOROB'YEV, B.S.; LAPKIN, I.Yu.; PAN'KIV, A.M.; STERLIN, B.P.; TKHORZHEVSKIY, S.A.

Geology of the southern slope of the Voronezh massif in the Charkov region. *Sov. geol.* 6 no. 4: 129-133 Ap '63. (MIRA 16:4)

1. Trest "Khar'kovneftegazrazvedka" i Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta gaza i iskusstvennogo zhidkogo topliva.

(Charkov region—Geology)

VOROB'YEV, B.S.

New type of oil and gas pools and some problems in classifying them. Geol.neft i gaza 6 no.10:17-23 0 '62. (MIRA 15:12)

1. Upravleniye gazovoy i neftyanoy promyshlennosti Khar'kovskogo soveta narodnogo khozyaystva.

(Dnieper-Donets Lowland--Petroleum geology)

(Dnieper-Donets Lowland--Gas, Natural--Geology)

VOROB'YEV, B.S.; KOROTAYEV, Yu.P.; POCHUYEVA, Ye.A.

Efficient methods for prospecting and estimating producible  
gas reserves. Gaz.prom. 4 no.6:1-9 Je '59. (MIRA 12:8)  
(Gas, Natural--Geology)

VOROB'YEV, B.S., POCHUYEVA, Ye.A.

Geological conditions governing the manner of the occurrence  
of gas in the Shebelinka gas field. Gaz. prom. 7 no.4:1-8'62  
(MIRA 17:7)

MITKEVICH, V. F., Academician, VOROB'YEV, B. Ye., Prof., IVANOV, V. P., Prof.

"Mikhail Andreyevich Shatelen," Iz. Ak. Nauk SSSR, Otdel. Tekh. Nauk, No. 5, 1941.

Report U-1530, 25 Oct 1951

MOLOTKOV, A.; VOROB'YEV, D.; BONDAREV, A.

Mechanized processing of waterfowl. Mias.ind,SSSR 25 no.1:9-11  
'54. (MLRA 7:3)

1. Brattsevskaia ptitsefabrika. (Ducks) (Poultry, Dressing of)

SEN'KOVSKIY, R.B., inzh.; VOROBYEV, D.A., inzh.; KIZIMOV, A.V., inzh.

Device for sorting materials being milled. TSeiment 30 no. 2:  
20 Mr-Ap '64. (MIRA 17:5)

1. Bryanskiy tsementnyy zavod.



VOROB' EV, D.D.; DARIYENKO, V.I.; PILYASOV, F.L.; TKACHENKO, H.A.

Experience in cleaning unclassified coal in a jigging machine of new design. Koks i khim. no.1:14-17 '60. (MIRA 13:6)

1. Gorlovskiy koksokhimicheskiy zavod.  
(Coal preparation)

VOROB'YEV, D.D., inzhener; MAZUROV, V.A.; inzhener.

Method for blasting holes in using hydraulic stemming.  
Bezop.truda v prom. 1 no.8:13-14 Ag '57. (MLRA 10:8)

1.Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut.  
(Coal mines and mining)

AUTHOR: Vorob'yev, D.D. SOV/19-58-6-39/685

TITLE: A Method of Splitting a Coal Massive With a Wedge-Shaped Work Element (Sposob razrusheniya ugol'nogo massiva klinovidnym ispolnitel'nyim organom)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 13 (USSR)

ABSTRACT: Class 5b, 34. Nr 113532 (576086/32-56 of 19 Jan 1956). Submitted to the Ministry of Coal Industry of USSR. A method of splitting the coal in a seam, consisting in drilling bore holes in the seam parallel with the coal face, and pulling a wedge-shaped work tool on a rope through the coal along the entire face.

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LITVINENKO, M.S.; TYUTYUNNIKOV, Yu.B.; VERSHININA, S.V.; DARIYENKO, V.I.;  
VOROB'YEV, D.D.; TKACHENKO, N.A.

Increase of the yield of coke-chemical products by the pyrolysis  
of heavy petroleum oils in coke ovens. Koks i khim. no.12:8-10  
'60. (MIRA 13:12)

1. Khar'kovskiy nauchno-issledovatel'skiy uglekhimicheskiy institut  
(for Vershinina).
2. Gorlovskiy kokhokhimicheskiy zavod (for Tkachenko).  
(Coke industry--By-products)

VOROB'YEV, D.D.

S/066/60/000/012/001/003  
E071/8435

AUTHORS: Litvinenko, M.S., Tutyunnikov, Yu.B.,  
Yershina, S.V., Deriyenko, V.I., Vorob'yev, D.D. and  
Tachenko, N.A.

TITLE: An Increase in the Yield of Coke-Oven By-Products by  
the Pyrolysis of Heavy Petroleum Oils in Coke Ovens

PERIODICAL: Koks i khimiyu, 1960, No.12, pp.8-10

TEXT: The results of laboratory and plant experiments on the  
possible increase in the yield of gas and benzole on coke blends  
with additions of fuel oil are described. Laboratory experiments  
(see details given) gave the following indications:  
1) Additions of fuel oil to coal increase the bulk density of the  
charge. 2) The yield of gas, raw benzole and tar is higher than  
from ordinary coal blends. 3) The distribution of fuel oil  
between coking products varies within wide limits, depending on the  
amount of fuel oil added and coking conditions. More oil is  
transferred to gas and benzole when oil additions to coke are small  
and the free space temperatures are high. Under these conditions,  
up to 63.5% of oil is transferred into gas and up to 10.7% into  
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Raw benzole, but the amount of tar forced decreases...  
4) The composition of gas obtained on coking of charges containing  
fuel oil is characterized by somewhat increased content of hydrocar-  
bon and unsaturated compounds. The content of gas depends mainly  
on the degree of pyrolysis of the coal oil vapours. 5) In all  
of pyrolytic water was observed. 6) The quality of raw benzole  
and tar on coking blends containing fuel oil also depends on the  
conditions of pyrolysis. If the oil vapour suffered a high  
degree of pyrolysis, then in addition to an increased yield of  
benzole, the content of benzole fraction in the raw benzole was at  
a maximum (68.56%) and washing losses were only slightly higher  
than with benzole obtained from normal coal blends (from 6.5 to 7.5%).  
At low temperatures of the free space and other conditions being  
equal, the content of the benzole fraction in raw benzole decreased  
from 68.56 to 63.60% and washing losses increased to 10.75%.  
A further decrease in the degree of pyrolysis by decreasing the  
Card 2/5

residence time of gases in the free space leads to a further  
increase in washing losses to 13.3% and a decrease in the  
content of benzole fraction in the raw benzole to 63.3%.  
7) The tar produced from coked coal has a somewhat lower specific  
gravity, increased content of free carbon and an insignificant  
decrease in the content of phenols. 8) The mechanical strength  
of coke remained unchanged. Plant experiments were carried out on  
four batteries of ovens of the P3P-46 (PVR-46) type. The  
temperature of the free space of ovens was comparatively low and  
varied within the following limits: No.1 battery 695 to 770°C,  
No.2 725 to 770°C, No.3 612 to 707°C and No.4 810 to 770°C.  
The coking time on No.1 and 2 batteries was 15 hours, on  
No.3 and 4 pusher side 12.5 hours, on the other side 13.75 hours.  
The amount of gas and benzole transferred to the service bunkers  
from No.1 and 2 pusher side 13.5% and 13.80% respectively. Addition of  
fuel oil (type 60420) was effected by spraying the blend  
on the conveyor belt leading to the service bunkers. Mixing of  
Card 3/5

5/068/60/000/012/001/005  
2071/2435

An Increase in the Yield of Coke-Oven By-Products by the Pyrolysis of Heavy Petroleum Oils in Coke Ovens

the blend was done by 6 disc ploughs placed under the conveyor. The composition and properties of the coal blend prior to and during the experimental periods are given in Table 1 (moisture 10%, volatile matter 26 to 27%, -3 mm fraction 89 to 90%). The increase in the bulk density of the charge (from 740 to 751 kg/m<sup>3</sup>) required higher flue temperatures, these were increased (by 10°C) insufficiently due to the poor state of the ovens. Mechanical properties of coke (Table 2) remained practically the same. There was some increase in the proportion of large fractions (above 60 mm) and in the relative content of coke. The content of benzole in the addition of oil increased from 0.37% to 0.46%, and with a uniform addition of oil of 5 to 9.5% it increased to 0.56%. The composition of scrubbed gas remained practically the same (Table 3). The daily output increased from 1242 to 1286 thousand m<sup>3</sup> (4.4%). Specific gravity of tar decreased by 0.017 and the yield of its light fraction increased by 0.4%. The composition of tar from primary condensers somewhat changed; its specific gravity

Card 4/5

increased by 0.015 and the yield of light fractions decreased by 0.2%. Washing losses of benzole increased by 0.47%, its specific gravity decreased from 0.873 to 0.872; the content of the benzole fraction decreased from 68.53 to 67.55%; the content of tarsol increased from 15.06 to 15.83%. 9.32% of the fuel oil added to coal was transferred into raw benzole, 57.2% into gas and 16.0% into tar. It is concluded that in order to increase the output of gas, benzole and tar additions of fuel oils to coal are recommended. The proportion of fuel oil which should be added should be established for each industry. The following names should be established: L.A. Vashchenko, S. D. Brodskiy, M. I. El'vashov, G. S. Ishra, Ya. D. Samoilov, S. P. Kalinay, I. I. Mikhaylov, M. T. Petrenko, A. Ya. Val'skiy. There are 3 tables and 1 Soviet reference.

ASSOCIATIONS: UZHN, Litvinenko, N. S. Tsytyumenko, Yu. B. Verzhina, S. V. Goriwskiy, M. S. Kuznetsov, M. I. Maslov, S. Maslov (Gorky, Chikang Works), Daryevna, V. I., Varch'yer, D. D., Tshchenko, N. A.

Card 5/5

KISELEV, Gennadiy Yelliyevich; OSTAPENKO, V.I., kand. biol. nauk, red.; KNYAZEV, A.A., red.; VOROB'YEV, D.M., red.; LEONTOVICH, G.N., kand. arkhít. nauk, red.; SAVZDARG, V.E., red.; TAIROVA, V.N., red.

[Floriculture] TSvetovodstvo. Izd.3., ispr. i dop. Moskva, Izd-vo "Kolos," 1964. 983 p. (MIRA 17:8)

1. Starshiy sadovod Botanicheskogo sada Botanicheskogo instituta im. V.L.Komarova (for Kryazev).
2. Starshiy sadovod Tresta ob"yedinennogo sadovodstva (for Vorob'yev, Riga).
3. Direktor tekhnikuma zelenogo stroitel'stva, Khar'kov (for Leontovich).

USSR/Geography  
Flora

Jul/Aug 1947

"Flora of the Kuriles," D. P. Vcrob'yev, 2 pp

"Iz Vsesoyuz Geog Obshchestva" Vol LXXIX, No 4

This article is another collection of the data assembled during the 1946 expedition of the Maritime Kray Branch of the Geographic Society of the USSR. This article briefly discusses the types of trees and shrubs which are most commonly found in the Kurile Islands.

10

29746



Category: USSR/General Division. Congresses. Meetings. Conferences. A-4

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21347

Author : Voroblev, D.P.

Inst : not given

Title : The Eighth "Komarov Lectures."

Orig Pub: Soobshch. Dalnevost. Fil. AN SSSR, 1955, No 8, 88-89

Abstract: The "Komarov lectures" were held on the 29th of December 1954 in the Far Eastern affiliate, Academy of Sciences USSR and were dedicated to the memory of the outstanding botanist and leading expert on East Asian flora, V.L. Komarov. A report by B.P. Kolesnikov was read at the meeting on "Botanical-geographical districting of the Soviet Far East", based on ideas promulgated by Komarov. The lecturer suggested a detailed scheme of partitioning the Soviet Far East into botanical-geographical regions, sub-regions, provinces and districts.

Card : 1/1

-4-

VOROB'YEV, D.P.; ROZENBERG, V.A., kand.biolog.nauk, otv.red.; GOFMAN,  
M.L., otv.za vypusk

[Key to the trees and shrubs of the Maritime Territory and the  
Amur area] Opredelitel' derev'ev i kustarnikov Primor'ia i  
Priamur'ia. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1958.  
183 p. (MIRA 13:4)

(Soviet Far East--Trees)

(Soviet Far East--Shrubs)

KURENTOVA, G.Ye.; VOROB'YEV, D.P.

Ephedra monosperma G.A.Mey in the southern part of the Maritime  
Territory. Soob.DVFAN SSSR no.9:85-91 '58. (MIRA 12:4)

1. Dal'nevostochnyy filial in. V.L.Komarova AN SSSR.  
(Maritime Territory--Ephedra)

VOROB'YEV, D.P.; GRUSHVITSKIY, I.V.

Visiting the Korean People's Democratic Republic. Bot.zhur.  
43 no.12:1775-1777 D '58. (MIRA 11:12)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.  
(Korea, North--Botany)

VOROB'YEV, D.P.

Some new and rare species of the flora of the Maritime  
Territory and Amur Valley. Komar. chten. (DVFAN) no.12:46-68  
'64. (MIRA 18:11)

VOROB'YEV, Dmitriy Petrovich; TOLMACHEV, A.I., otv. red.;  
SOROKINA, V.A., tekhn.red.

[Vegetation of the Kurile Islands] Rastitel'nost' Kuril'skikh  
ostrovov. Moskva, Izd-vo AN SSSR, 1963. 91 p.

(MIRA 16:12)

(Kurile Islands--Botany)

VOROB'YEV, D.P.; VALOVA, Z.G.

*Pueraria hirsuta* (Thunb.) C.K. Schn. a new woody liana in the  
U.S.S.R. Bot. zhur 47 no.8:1194-1196 Ag '62. (MIRA 15:10)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR,  
Vladivostok.

(Khasanskiy District—*Pueraria*)

VOROSHILOV, V.N.; VOROB'YEV, D.P.

*Aconitum saxatile* Worosch. et Vorobiev sp. nov. *Bul. Glav.*  
bot. sada no.45:53-55 '62. (MIRA 16:2)

1. Glavnyy botanicheskiy sad AN SSSR.  
(Aconite)



YAROSHENKO, Pavel Dionis'yevich; VOROB'YEV, D.P., kand. biol. nauk,  
otv. red.; KNORRING, I.G., red. izd-va; ZAMARAYEVA, R.A.,  
tekhn. red.

[Hayfields and pastures of the Maritime Territory; geobotanical  
and economic characteristics] Senokosy i pastbishcha Primorskogo  
kraia; geobotanicheskaia i khoziaistvennaia kharakteristika.  
Moskva, Izd-vo Akad. nauk SSSR, 1962. 188 p. (MIRA 15:10)  
(Maritime Territory--Pastures and meadows)

BREKHMAN, I.I.; BELIKOV, I.F.; VOROB'YEV, D.P.

"Ginseng; problems of biology" by I.V. Grushvitskii. Reviewed  
by I.I. Brekhman, I.F. Belikov, D.P. Vorob'ev. Izv. Sib. otd.  
AN SSSR no.11:148-149 '61. (MIRA 15:1)

(GINSENG)

(GRUSHVITSKII, I.V.)

VITVITSKIY, G.N.; KRAVCHENKO, D.V.; NIKOL'SKAYA, V.V.; CHICHAGOV, V.P.;  
KURENTOV, A.I.; VOROB'YEV, D.P.; LIVEROVSKIY, Yu.A.; KARMANOV, I.N.;  
PETROV, B.F.; KOLESNIKOV, B.P.; KABANOV, N.Ye.; DMITRIYEVA, H.G.;  
RIKHTER, G.D., doktor geogr. nauk, otv. red.; LADYCHUK, L.P., red.  
izd-va; DOROKHINA, I.N., tekhn. red.

[The Far East; its physical geography] Dal'nii Vostok; fiziko-  
geograficheskaya kharakteristika. Moskva, 1961. 436 p.

(MIRA 14:9)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geografii  
AN SSSR (for Vitvitskiy, Kravchenko, Nikol'skaya, Chichagov). 3. Dal'-  
nevostocnyy filial AN SSSR (for Kurentsov, Vorob'yev). 4. Pochven-  
nyy institut AN SSSR (for Liverovski, Karmanov, Petrov). 5. Biologi-  
cheskiy institut Ural'skogo filiala AN SSSR (for Kolesnikov). 6. In-  
stitut lesa AN SSSR (for Kabanov). 7. Tsentral'nyy institut prognozov  
(for Dmitriyeva).

(Soviet Far East—Physical geography)

VOHOBYEV, D.F.; BROMLEY, G.F.

Aleksei Ivanovich Kurentsov; on his 60th birthday. Soob.DVPAN  
SSSR no.11:163-165 '59. (MIRA 13:11)  
(Kurentsov, Aleksei Ivanovich, 1896-)

ALEKSANDROV, A.M., inzh.; BAZHENOV, V.S., inzh.; BOBROVNIKOV, B.N., inzh.; VAGANOV, M.P., inzh.; GUREVICH, B.M., inzh.; DZHIBELLI, V.S., inzh.; DROBAKH, V.T., inzh.; ISAKOVICH, R.Ya., kand. tekhn. nauk; KAPUSTIN, A.G., inzh.; KONENKOV, K.S., inzh.; MININ, A.A., kand. tekhn. nauk; PEVZNER, V.B., inzh.; PESKIN, G.L., inzh.; PORTER, L.G., inzh.; PRYADILOV, A.N., inzh.; SLUTSKIY, L.B., inzh.; FEDOSOV, I.V., inzh.; FRENKEL', B.A., inzh.; TSIMBLER, Yu.A., inzh.; SHUL'GIN, V.Kh., inzh.; ESKIN, M.G., kand. tekhn. nauk; VOROB'YEV, D.T., inzh. [deceased]; SINEL'NIKOV, A.V., kand. tekhn. nauk; SHENDLER, Yu.I., kand. tekhn. nauk, red.; NESMELOV, S.V., inzh., zam. glav. red.; NOVIKOVA, M.M., ved. red.; RASTOVA, G.V., ved. red.; SOLGANIK, G.Ya., ved. red.; VORONOVA, V.V., tekhn. red.

[Automation and apparatus for controlling and regulating production processes in the petroleum and petroleum chemical industries] Avtomatizatsiia, pribory kontrolya i regulirovaniia proizvodstvennykh protsessov v neftianoi i neftekhimicheskoi promyshlennosti. Moskva, Gostoptekhizdat. Book 3. [Control and automation of the processes of well drilling, recovery, transportation, and storage of oil and gas] Kontrol' i avtomatizatsiia protsessov bureniia skvazhin, dobychi, transporta i khraneniia nefti i gaza. 1963. 551 p. (Automation) (MIRA 16:7)

(Petroleum production--Equipment and supplies)

28(1)

SOV/118-59-1-2/16

AUTHOR: Vorob'yev, D.T.

TITLE: Ways to Develop Automation in Oil Enterprises (Puti razvitiya avtomatizatsii predpriyatiy po dobyche nefi)

PERIODICAL: Mekhanizatsiya i Avtomatizatsiya Proizvodstva, 1959, Nr 1, pp 6-12 (USSR)

ABSTRACT: This article describes work processes that have already been automated to some extent, or that will be automated eventually. The description deals mainly with equipment and operations in the oil fields of the Tatar and the Bashkir ASSRs. The article notes the present low degree of automation in crude oil field enterprises: only 4-5% of all oil well operations are entirely automated and provided with centralized remote control systems, only about 60-70% of all oil well operations are partially automated. Plants producing instruments for automation and telemechanization have a low output

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SOV/118-59-1-2/16

Ways to Develop Automation in Oil Enterprises.

and are overloaded with orders to produce instruments for conventional equipment. Attempts to localize the production of needed instruments within the area of the oilfields, proved unsuccessful. Planning institutes do not keep pace with increased requirements. Designs of automatic systems for periodical measuring and recording of oil well output and of instruments for constant control of changes in the physical qualities of oil have not yet been completed. Instruments for measuring the content of water in oil are still unavailable. The article then lists a series of immediate tasks aimed at increasing automation and mechanization in oil enterprises. These include more automatic equipment within the next two years, the need to provide tank storage facilities with UDU-2 remote control, float-level gauges, and introduction of complex automation to cover all work processes. On new developments, the

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SOV/118-59-1-2/16

Ways to Develop Automation in Oil Enterprises.

article notes an increase in the use of a device for removing paraffin from oil wells, designed by the Scientific Oil Research Institute in Ufa and called automatic flying scraper (Figure 2). It is described in the text. "It moves down the oil well, pulled by its own weight, and cleans as it rises under the impetus of the oil flow." The article mentions, that the Bashkir Sovnarkhoz has set up a plant "Nefteavtomatika" (Oil Automatics) in the town of Oktyabr'skiy, that new telemechanic devices are being developed and tested, that can carry out not only supervisory functions, but also remote control operations and telemetering. Finally, the article describes the inertia magnetic safety switch IMB-1, the membrane valve OMK-1 for automatic oil well closure, the remote control device with wire communication SAT-2 for servicing 120 flow wells, and the telemechanical device with radio

Card 3/4



SOV/118-59-1-2/16

Ways to Develop Automation in Oil Enterprises.

channel SRP-1, for servicing 100 flow wells. There  
are 3 photos, 3 diagrams and one table.

Card 4/4

VOROB'YEV, D.V.

USSR/Forestry - Forest Biology and Typology.

K-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91503

Author : Vorob'yev, D.V.

Inst : Kharkov Agricultural Institute.

Title : The Main Tasks of Forest Typology.

Orig Pub : Zap. Khar'kovsk. s.-kh. in-ta, 1957, 16 (53), 11-23.

Abstract : The main task of forest typology in the past few years was the elaboration of a uniform classification of the conditions for forest plants in the USSR, which includes not only the forests themselves, but also regions not yet occupied by forests but required for afforestation. Among the problems which must be solved in working out such a classification are the following: 1) Summary and analysis of the scientific and statistical data compiled by forest sciences, geobotanics, forest organization,

Card 1/2

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USSR/Forestry - Forest Biology and Typology.

K-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91503

soil science, and climatology. 2) Typological investigations in a number of southern regions (rayons) of the USSR. 3) Wide-scale studies of the natural laws found in interrelations between vegetation and its environment. 4) Construction of a classification of forest-free territories where afforestation and forest ameliorization is possible; elaboration of a more refined classification of small taxonomic units. In the following years, the work will be directed towards a more extended study of natural forest types and towards a study of regions which have until now not yet been described with sufficient accuracy. This will lead to corrections, improvements, and possibly, a remaking of the classification. -- L.P. Rysin

Card 2/2

POPCV, Ivan Stepanovich; VOROB'YEV, D.V., red.

[Reed thickets as a raw materials base for the woodpulp  
and paper industry] Trostnikovye zarosli kak syr'evaia  
baza tselliulozno-bumazhnoi promyshlennosti. Moskva, izd-  
vo "Lesnaia promyshlennost'," 1964. 243 p. (MIRA 17:8)

FEDORENKO, S.I., *otv. red.*; BYALLOVICH, Yu.P., *nauchnyy sotr., red.*;  
VOROB'YEV, D.V., *red.*; IZYUMSKIY, P.P., *nauchnyy sotr., red.*;  
KOBZESKIY, M.D., *red.*; KUCHERYAVYKH, Ye.G., *red.*; LAVRINENKO,  
D.D., *red.*; NEDASHKOVSKIY, A.N., *red.*; FYATNITSKIY, S.S.,  
*red.*; SAKHAROV, N.P., *red.*; SHCHEPOT'YEV, F.L., *red.*;  
MASLOBOYSHCHIKOVA, A.S., *red.*; POTOTSKAYA, L.A., *tekh. red.*

[Sheltered zone of the Dnieper] Zashchitnaia zona Dnepra.  
Kiev, Izd-vo UASKhN, 1962. 191 p. (MIRA 16:4)

1. Kharkov. Ukrainskiy naukovy-doslidchyi instytut lisovche  
hospodarstva i agrolisomelioratsii. 2. Ukrainskiy nauchno-  
issledovatel'skiy institut lesnogo khozyaystva i agrolisome-  
lioratsii (for Byallovich, Lavrinenko, Izyumskiy).  
(Dnieper Valley--Windbreaks, shelterbelts, etc.)

VOROB'YEV, D.V.

GRISYUK, Nikolay Mikhaylovich; ~~VOROB'YEV, D.V.~~, doktor sel'skokhozyaystvennykh nauk, otvetstvennyy redaktor; LOYTSKER, Ye.B., redaktor izdatel'stva; RAKHLINA, N.P., tekhnicheskiy redaktor

["Veselye Bokoven'ki". Arboretum] Dendrologicheskii park "Veselye Bokoven'ki." Kiev, Izd-vo Akad. nauk USSR, 1956. 118 p. (MIRA 10:4)  
("Veselye Bokoven'ki" Preserve)

VOROB'YEV, D. V. and ZEROVA, M. Ya.

"Ectotrophic Mycorrhiza on Species of Trees and Bushes in the Steppe Environment of the Ukrainian SSR", Botan Zhur, Kiev, Vol. 7, Issue 1, pp 67-81, 1950.

VOROB'YEV, D. V.

Tipy lesov Evropeiskoi chasti SSSR [Types of forests in the European U.S.S.R.]  
Kiev, Izd-vo AN USSR, 1953. 452 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 5, August 1953



VOROB'YEV, E.; KOBYCHEV, K., red.; MIRKISHIYEVA, S., tekhn. red.

[Control over wage fund disbursement in the national economy]  
Kontrol' nad rasKhodovaniem v narodnom khoziaistve fondov za-  
rabortnoi platy. Baku, Azerneshr, 1962. 51 p. (MIRA 15:12)  
(Azerbaijan--Wages--Auditing and inspection)  
(Banks and banking)

VOROB'YEV, E.

Planning and disbursements of wage funds. Den. 1 kred. 12 no.5:  
49-51 N'54. (MLRA 8:2)  
(Wages)

VOROBYEV L. D.  
FEYNBERG, S. M., VOROBYEV, E. D., GRYASEV, V. M., KLIMENTOV, V. B., LYASHCHENKO,  
N. Ya., TSIKANOV, V. A.

"Uranium-Water Intermediate Reactor Used for Obtaining High-Intensity  
Neutron Fluxes."

paper to be presented at 2nd UN Intl. Conf. on the peaceful uses of Atomic  
Energy, Geneva, 1 - 13 Sept 1958.

ВОРОБ'ЄВА, Е. Г.

USSR/Inorganic Chemistry. Complex Compounds. C

Abs Jour: Ref. Zhur. Khimiya, No 1, 1958, 685.

Author : Novakovskiy, M.C., Mushkina, M.G., Vorob'yeva, E.G.

Inst :

Title : Investigation of Complex Zinc with Addends Containing Sulfur  
by Solubility Method.

Orig Pub: Uch. Zap. Kharkovsk. Un-t, 1957, 82, Tr. Khim. Fak. and N.-1.  
In-ta Khimii 16, 107-112.

Abstract: by I. Slonim. During precipitation of  $Zn(NO_3)_2$  in solution with potassium hydroxide basic salts of varying composition are obtained which approximately have the formula,  $3Zn(OH)_2 \cdot Zn(NO_3)_2 \cdot xH_2O$  (I). The solubility of I in solution of  $KNO_3$  at ionic strength  $\mu = 1.7$  for various preparations is equal to  $3-4.2 \cdot 10^{-3}M$ ; in solution of  $Na_2SO_4$  at  $\mu = 3$  the solubility of I is  $4-5.5 \cdot 10^{-3}M$ . The solubility of I was studied in solutions of  $Na_2S_2O_3 \cdot 5H_2O$  at  $40^\circ$  and  $\mu = 3$  and in solutions of  $KCNS$  at  $25^\circ$

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MAMEDOV, Khalil Mamed ogly; VOROB'YEV, Eval'd Vladimirovich; KALLINIKOV,  
V.K., redaktor; KADYRLI, A.R., tekhnicheskiy redaktor

[Organization, planning and analysis of wages in the petroleum  
machinery industry] Organizatsiia, planirovanie i analiz zarabotnoi  
platy v nef'tianom mashinostroenii. Baku, Aznefteizdat, 1954. 114 p.  
(Wages) (MIRA 10:1)  
(Petroleum industry--Equipment and supplies)

VOROB'YEV, E.V.

VOROB'YEV, E.V.; KAUFMAN, V.P., redaktor; GONCHAROV, I.A., redaktor.

[Control of wage fund disbursement in the petroleum industry]  
Kontrol' za rashchodevaniem fondov zarabotnoi platy v neftia-  
noi promyshlennosti. Baku, Gos. nauchno-tekhn. izd-vo neftia-  
noi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe ktd-nie, 1952.  
100 p. (MIRA 7:7)  
(Petroleum industry--Accounting) (Wages)

L 08217-67 EWT(1) RO

ACC NR: AP6026800

(A,N)

SOURCE CODE: UR/0401/66/000/005/0034/0035

40  
32  
B

AUTHOR: Vorob'yev, F. (Colonel)

ORG: None

TITLE: Studying mass destruction weapon 10

SOURCE: Starshina-serzhant, no. 5, 1966, 34-35

TOPIC TAGS: <sup>GAS SENSING DEVICE,</sup> nuclear warfare training, radiation explosion simulation, chemical defensive training, radiation dosimeter, gas warning instrument / DP-63A  
radiation dosimeter, GSP-1M gas ~~warning instrument~~ <sup>SENSING DEVICE,</sup> DP-2 radiation dosimeter, DP-3 radiation dosimeter, DP-5 radiation dosimeter, DP-12 radiation dosimeter

ABSTRACT: Training equipment and facilities used by a training simulator unit for studying the effects of mass destruction weapons is described. Lieutenant-Colonel A. Sutovskiy is mentioned as a training-instructor. The training-aid equipment is divided in four groups. The first group includes various equipment for studying the principles of nuclear warfare by means of four electric switchboard arrangements. The first switchboard is used for studying nuclear chain reactions. The second one deals with the principles of thermonuclear reactions and fusion. The third switchboard demonstrates the arrangement of nuclear fission bombs and the development of nuclear fission explosion. The fourth switchboard is devoted to the formation and development of thermonuclear explosion. The studies of chemical gas contamination are conducted with the equipment of the second group

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ACC NR: AP6026800

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including the studies of various poisons and gases used by foreign armies. The third group includes the equipment used for studying the application of various dosimeters. The principles and operation of ionization chambers are visually demonstrated. The dosimeters of DP-63A, DP-2, DP-3, DP-5 and DP-12 types and a GSP-1M gas warning instrument are used for studying their arrangements and applications. Various equipment belonging to the fourth group is used for demonstrations of protective measures and decontamination devices. The arrangement of various shelters is also examined. In addition, various films are provided for demonstrations. Orig. art. has: 3 figures.

SUB CODE: 15, 18/ SUBM DATE: None

Card

2/2 *ecj*



ACC NR: AP6030310 (A) SOURCE CODE: UR/0018/66/000/008/0029/0033

AUTHOR: Vorob'yev, F. (Colonel)

ORG: none

TITLE: Instruction in defense against bacteriological weapons

SOURCE: Voyenny vestnik, no. 8, 1966, 29-33

TOPIC TAGS: biologic warfare, biologic defensive training, military training

ABSTRACT: Training for military units in the detection, identification, and protection against bacteriological attack are presented. Methods of detection are best practiced under simulated conditions in a "chemical town" where the effects of bacteriological agents can be studied. Upon entering a contaminated area, soldiers are instructed to use instrumentals for detecting chemical agents. Then, soil samples from near the shell-hole are taken for bacteriological testing. As individual protective measure during the detection phase of the mission, personnel are instructed to move cautiously without raising dust, brushing against bushes and tall grass or touching any object with the bare hands, and are told not to eat, drink, or smoke in the contaminated area. A complete set of instructions for protecting a military unit from bacteriological attack (beginning with preparation of a plan by the company or battery commander and concluding with the clearing of bacteriological agents from

Card: 1/2

ACC NR: AP6030310

the area) should be studied during special training exercises before other tactical training. An example of such training exercises is given. Orig. art. has: 1 figure.

SUB CODE: 15, 05/ SUBM DATE: none

Card 2/2

VOROB'YEV, F.A., inzh.

Experimentation in the use of gravel-glue filters. Shakht.stroi.  
no.12:17-21 '58. (MIRA 11:12)

1. Proyekt'naya kontora tresta Soyuzshakhtoosusheniye.  
(Filters and filtration) (Mine drainage)

VOROB 'YEV, F.F. (Odessa)

Track sentry. Put'i put.khoz. no.7:23 J1 '59.  
(MIRA 12:10)  
(Odessa Province--Railroads--Maintenance and repair)

VOROB'YEV, F.G.

On the road of technical progress. Tekst.pron. 17 no.6:50-50  
Je '57. (MIRA 19:7)

1. Direktor shelkovoy fabriki "Krasnaya rabotnitsa."  
(Textile fabrics)

VOROB'YEV, F.G.

Efforts to make use of all potentialities. Tekst.prom. 15 no.11:54-55  
(MLRA 9:1)

1. Director shelkovoy fabriki "Krasnaya rabotnitsa"  
(Silk manufacture)

VOROB'YEV, F.G.

Introduction of changes in the state standard 6611 55. Standarti-  
zatsiia 28 no.9:60 S '64. (MIRA 18:2)

DOLGOBORODOV, Ivan Vasil'yevich, zasluzhennyy zootekhnik RSFSR; YAKOVLEV, Fedor Arsent'yevich; KAZANSKIY, M.M., redaktor; VOROB'YEV, P.I., redaktor; VODOLAGINA, S.D., tekhnicheskiy redaktor

[Work practice of the Yelizavetino machine-tractor station in stockbreeding] Opyt raboty Elizavetinskoj MTS po zhivotnovodstvu. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 98 p. (MIRA 9:9)

1. Glavnyy zootekhnik Leningradskogo oblastnogo upravleniya sel'skogo khozyaystva (for Yakovlev)  
(Leningrad Province--Stock and stockbreeding)



KOREV, Gavriil Ivanovich; ANDREYEV, V.N., doktor biologicheskikh nauk,  
redaktor; VOROB'YEV, F.I., redaktor; CHUNAYEVA, Z.V., tekhnicheskiy  
redaktor

[Fodder and pasture for northern reindeer] Korma i pastbishcha  
severnogo olenia. Pod red. V.N.Andreeva. Moskva, Gos. izd-vo  
selkhoz. lit-ry, 1956. 98 p. (MLRA 9:12)  
(Reindeer)

BELKHOV, Gennadiy Petrovich, Kandidat sel'skokhozyaystvennykh nauk,  
YEGOROV, Yevgeniy Vladimirovich, zasluzhennyy zootekhnik RSFSR;  
VOROB'YEV, P.I., redaktor; VODOLAGINA, S.D., tekhnicheskiiy redaktor

[Dairying in Volosovo District] Molochnoe shivotnovodstvo Volosov-  
skogo raiona. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 125 p.  
(MLBA 9:8)

1. Glavnyy zootekhnik Volosovskoy mashinno-traktornoy stantsii.  
(for Yegorov)  
(Volosovo District--Dairying)

SUVOROV, Vladimir Vasil'yevich, professor, redaktor; ~~YOROB'YEV, F.I.~~  
redaktor; PROTASHEVICH, D.S., redaktor; VODOLAGINA, S.D., tekhnicheskii redaktor

[Experience in growing corn in Leningrad Province] Opyt vyrashchivaniia kukuruzy v Leningradskoi oblasti. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 181 p. (MIRA 10:1)  
(Leningrad Province--Corn (Maize))

KIR'YALOVA, Yevdokiya Nikitichna; SHKLYAR, Mar'yasya Zalmanovna; VOROB'YEV,  
F.I., redaktor; FRIDMAN, Z.L., tekhnicheskiy redaktor

[Fruit and berry wines with pure yeast cultures] Plodovo-yagodnye  
vina na chistykh kul'turakh drozhzhei. Moskva, Gos. izd-vo  
sel'khoz. lit-ry, 1957. 36 p. (MLRA 10:3)  
(Fruit wines)

FAFURIN, Nikolay Andreyevich; VOROB'YEV, F.I., spetsred.; KAMENEV, N.P.,  
red.isd-va; KOFLYAKOVA, O.I., tekhnred.

[Transportation of export lumber on freighters] Perevoska  
eksportnykh lesomaterialov na morskikh sudakh. Leningrad,  
Izd-vo "Morskoi transport," 1959. 195 p. (MIRA 12:7)  
(Lumber--Transportation) :

TULINTSEV, Vasilii Georgiyevich; AKHREMOVICH, M.B., red.; VOROB'YEV,  
F.I., red.; CHUNAYEVA, Z.V., tekhn.red.

[Principles of landscape gardening] Osnovy dekorativnogo  
sadovodstva. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 214 p.  
(MIRA 12:3)

(Landscape gardening)

VOROB'YEV, F.I.

VAL'TER, Oskar Antonovich; PINEVICH, Lidiya Mitrofanovna; VARASOVA, Natal'ya  
Nikolayevna; VOROB'YEV, F.I., red.; CHUNAYEVA, Z.V., tekhn.red.

[Practical work in the physiology of plants with principles of  
biochemistry] Praktikum po fiziologii rastenii s osnovami biokhimi.  
Izd. 3-e. Moskva, Gos. 'zd-vo sel'khoz. lit-ry, 1957. 340 p.  
(Plant physiology)

VOROB' YEV F.I.

TSUPAK, Valerian Fedorovich, kand.sel'skokhozyaystvennykh nauk; KULINA,  
Iraida Fedorovna, kand.sel'skokhozyaystvennykh nauk; SINYAKOVA,  
Lidiya Andreyevna, kand.biol.nauk; VOROB'YEV, F.I. red.; CHUMAYEVA,  
Z.V., tekhn.red.

[Practical laboratory experiments in plant culture] Laboratorno-  
prakticheskie zaniatiia po rastenievodstvu. Moskva, Gos. izd-vo  
sel'khoz. lit-ry, 1957. 255 p. (MIRA 11:4)  
(Plants, Cultivated)



VOROB'YEV, F. I.

LIKHONOS, Fedor Dmitriyevich; MIKHAYLOV, Ivan Gavrilovich; RYBITSKIY,  
Mikolay Antonovich; VOROB'YEV, F.I., redaktor; CHUHAYEVA, Z.V.,  
tekhnicheskiy redaktör

[Fruit and berry orchards and nurseries] Plodovo-iagodnyi sad i  
pitomnik. Izd. 3-e. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1957.  
274 p. (MLRA 10:10)  
(Fruit culture) (Nurseries (Horticulture))

VOROB'YEV, F. I.  
LOSUTOV, Aleksandr Vasil'yevich; ~~VOROB'YEV, F. I.~~ glavnyy redaktor;  
GORYANSKIY, Yu.V., redaktor izdatel'stva; KOTLYAKOVA, O.I.,  
tekhnicheskii redaktor

[Emergency and rescue work in maritime transportation; problems in  
practices at sea] Avariino-spasatel'noe delo na morskoi transporte;  
voprosy morskoi praktiki. Leningrad, Izd-vo "Morskoi transport,"  
1957. 291 p. (MLRA 10:10)  
(Salvage) (Shipwrecks)  
(Merchant marine--Safety measures)

VOROB'YEV, F.I.

ASTANIN, P.P., professor; BYRDINA, A.S., redaktor; VOROB'YEV, F.I.,  
redaktor; VODOLAGINA, S.D., tekhnicheskii redaktor

[Practical exercises in biochemistry] Prakticheskie zaniatia  
po biokhimi. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1951.  
191 p. (MLRA 10:5)  
(Biochemistry--Problems, exercises, etc.)

17(8)

SOV/177-58-11-28/50

AUTHDR: Kumanichkin, S.D., Major of the Medical Corps, Candidate of Medical Sciences; and Vorob'yev, F.K.

TITLE: A Universal Apparatus for Determining the Time Needed for Reflex Reaction

PERIODICAL: Voyenno-meditsinskiy journal, 1958, Nr 11, pp 78 - 81 (USSR)

ABSTRACT: A series of apparatus was suggested for determining a person's reflex reaction: Gipp's chronoscope, a neuromobimeter, K.N. Dmitriyev's apparatus and L.M. Belyank's device. As these devices permit one to determine the reflex reaction only in the air, the authors developed a universal apparatus for determining the time needed for reflex reaction either under normal, increased or reduced pressure as well as under water when wearing an insulating outfit. The apparatus comprises two boxes, the first of which (Fig. at the left) having a size of 36 x 24.5 x 9 cm, consists of 2 sections. In the first section the folded objects

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A Universal Apparatus for Determining the Time Needed for Reflex Reaction

are placed and in the second - the devices (control desk). The apparatus is described in detail and technical data are given in a diagram (Figure 2). The apparatus operates only on single-phase alternating current of 50 periods, at a 127 V tension. The time needed for reflex reaction is measured by the oscillations of the alternating current, which are recorded on paper by means of an automatic pen and simultaneously indicated by the hand of a timer. In the apparatus there are used stimuli of the first and second signal systems. As weak stimulus, light is used and as strong stimulus - sound. The verbal stimuli may be transferred in writing and in words. There is 1 photograph and 1 diagram.

Card 2/2

VOROB'YEV, F.K. 15

PROCESSES AND PROPERTIES INDEX

The conversion of calcium cyanamide in soils and in storage and its effects upon the growth of flax. F. K. Vorob'yev. *Lein. Dood. Agr. Sci., Gdansk Inst. Fert.* (Approved) No. 3, 120-66 (1954).—CaCN<sub>2</sub> is quickly converted through various stages to NH<sub>3</sub>. The conversion of the latter to nitrate takes place more slowly. In a sandy loam the reactions go faster than in loams or peat. An increase in moisture content up to 80% speeds the conversion of CaCN<sub>2</sub> to NH<sub>3</sub> in the sandy loam, but not so much in a loam. The CaCN<sub>2</sub> persists longest in peat soils, thereby depressing microbial activities. In vegetation expts. with flax the introduction of the CaCN<sub>2</sub> 3 days before planting is sufficient to avoid injurious effects. In field culture it should be applied earlier. In sand cultures with a nutrient medium CaCN<sub>2</sub> is injurious to flax. Cows is more resistant to CaCN<sub>2</sub> injury. Storing in a humid atm. results in the conversion of 60% of the N into dicyanodiamide in 3-6 months. At 16-17° in a dry atm. no conversion takes place. In a humid atm. the wt. of the CaCN<sub>2</sub> increases 30% in 3.5 months. A loss of N in the form of volatile NH<sub>3</sub> was noted. Mixing the CaCN<sub>2</sub> increases the losses. J. S. Joffe

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

COMMON SUBJECTS

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U.S. DEPARTMENT OF COMMERCE

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VOROS YEV, F.K.

VOROB'YEV, F.K.

USSR/Chemical Technology. Chemical Products and Their  
Application - Pesticides

I-7

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12443

Author : Vorob'yev F.K.

Inst : Timiryazev Agricultural Academy

Title : Chemical Weed Control

Orig Pub : Zemledeliye, 1956, No 7, 30-37

Abstract : Report on the work of the Laboratory of Chemical Protec-  
tion of Plants of TSKhA on development of procedures of  
applying herbicides.

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(MIRA 11:6)

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(Corn (Maize)) (2,4-D)

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Chemical weed control in crop fields. Biol.v shkole no.2:80-84  
Mr-Apr '60. (MIRA 13:8)

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Timiryazeva.  
(Herbicides)

VOROB'YEV, F.K., kand.sel'skokhoz.nauk; KOL'BERG, V.N., kand.sel'skokhoz.  
nauk

Effectiveness of injecting simazine powders in soils. Zashch.  
rast.ot vred.i bol. 7 no.4:25-26 Ap '62. (MIRA 15:12)  
(Corn (Maize)) (Triazine)

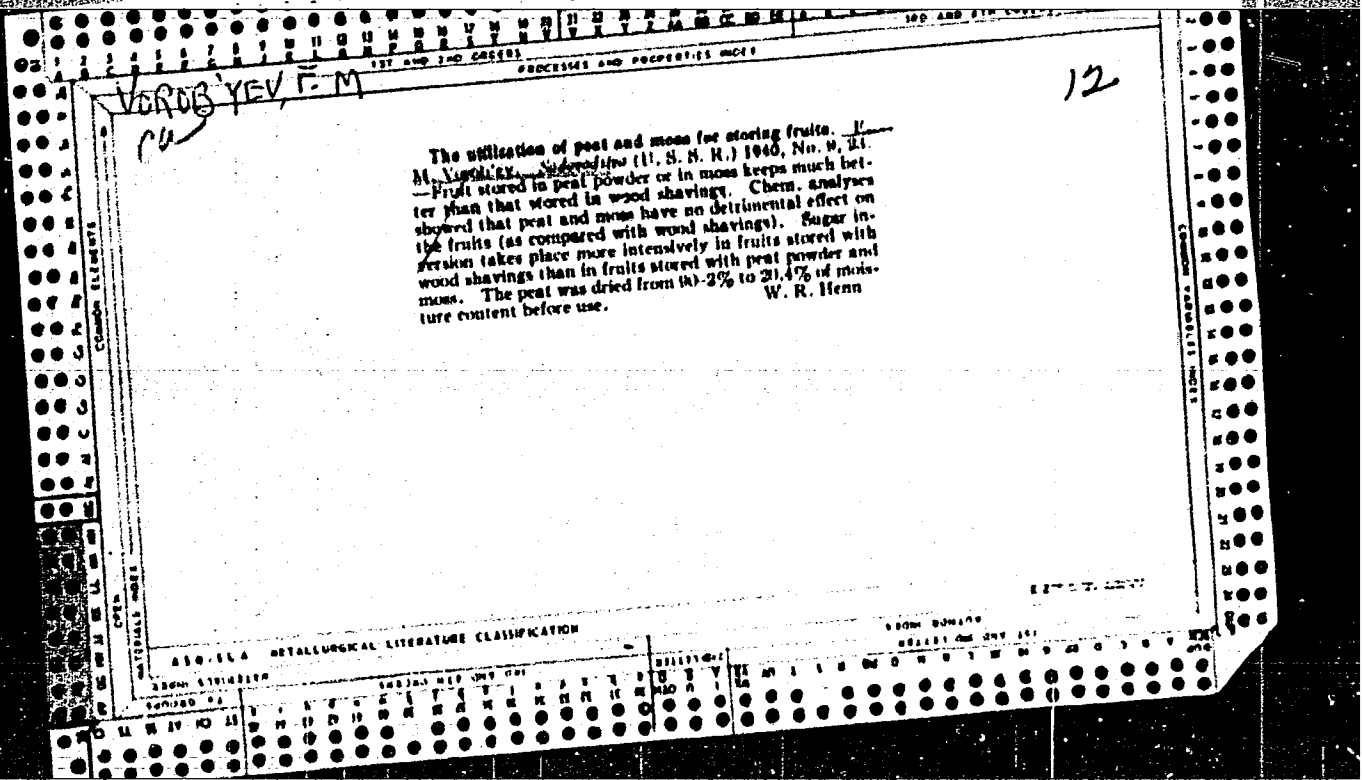
PETERBURGSKIY, A.V., prof.; ASAROV, Kh.K., dots.; PLESHKOV, B.P.,  
dots.; SMIRNOV, P.M., dots.; VOROB'YEV, F.K., dots. [deceased];  
GULYAKIN, I.V., prof.; YUDIN, F.A., dots.; KLECHKOVSKIY,  
V.M., akademik, red.; SHLEPANOV, V.M., red.

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(MIRA 18:1)

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no. 5:50-54 My '65. (MIRA 18:6)

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LEVIN, Mark Mironovich, prof.; ZADOROZHNYI, B.A., dotsent, red.;  
BELOUSOV, V.A., prof., red.; BOKARIUS, N.N., prof., red.;  
VOROB'YEV, F.P., assistent, red.; GRISHCHENKO, I.I., prof., red.;  
DERKACH, V.S., prof., red.; KORSUN', A.Ya., dotsent, red.;  
KOSHKIN, M.L., prof., red.; KUDINTSEV, V.I., dotsent, red.;  
PIKIN, K.I., prof., red.; PRIKHOD'KOVA, Ye.K., prof., red.;  
POPOV, I.D., dotsent, red.; SOLOV'YEV, M.N., prof., red.;  
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(zav. kafedroy - prof. G.I. Poyarkhovich) Kharkovskogo mediko-  
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no.1:51-54 Ja '59. (MIRA 12:2)

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(Azerbaijan--Petroleum industry--Hygienic aspects)

K-4

USSR / Forest Science. Forest Cultures.

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77547

Author : Vorobiyev, G.

Inst : Moscow Agricultural Academy imeni K. A. Timiryazev

Title : Anti-Erosion Forest Plantations on the Sandy Left-Bank Ravines Facing the Don and Their Significance

Orig Pub : Sb. stud. nauchno-issled. rabot. Mosk. s.-kh. akad. im. K. A. Timiryazeva, 1957 (1958), vyp. 7, 231-236

Abstract : No abstract given

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