

ACC NR: AP7008915

SOURCE CODE: UR/0033/66/043/006/1289/1291

AUTHOR: Tverskoy, B. A.

ORG: none

TITLE: Influence of corpuscular radiation on the circumterrestrial cloud

SOURCE: Astronomicheskiy zhurnal, v. 43, no. 6, 1966, 1289-1291

TOPIC TAGS: radiation belt, solar wind, solar corpuscular radiation

SUB CODE: 03

ABSTRACT: A study has been made of the cathode scattering of dust particles in the earth's proton radiation belt and it is demonstrated that this effect considerably limits the lifetime of particles trapped by the earth. The author evaluates the role of the solar wind in decreasing the eccentricity of the orbits of dust particles revolving around the sun and it is demonstrated that the effect of the solar wind is comparable to the effect of light radiation. It is shown that allowance for corpuscular radiation is entirely necessary in estimating the lifetime of trapped micrometeorites. The lifetime of the particles relative to cathod scattering in the proton radiation belt is extremely small and it therefore is probable that the high concentration of dust particles near the earth is not caused by capture but by the curvature of the orbits of micrometeorites with hyperbolic (relative to the earth) velocities. Orig. art. has: 1 figure and 5 formulas.

[JPRS: 39,718]

UDC: 523.58

Card 1/1

0929 173

L 1284-66 EWF(1)/FCC/EWA(h) GS/GW
ACCESSION NR: AT5023600

UR/0000/65/000/000/0314/0325

AUTHOR: Tverskoy, B. A.

TITLE: Anomalous diffusion of charged particles in the earth's radiation belts

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 314-325

TOPIC TAGS: particle acceleration, radiation belt, particle diffusion, magnetic storm, geomagnetism

ABSTRACT: It is shown that the basic mechanism responsible for acceleration of electrons and protons in the outer zone of the radiation belts surrounding our planet as well as for formation of the inner belt, is particle migration across the drift envelopes. The general theory for this particle migration is presented and experimental data are interpreted. It is found that the migration process has a much greater effect than had been previously supposed. Part of the protons with energies of 10-100 Mev are accelerated by migration of particles through the magnetosphere. Experimental analysis indicates that protons with energies greater than

Card 1/2

L 1284-66

ACCESSION NR: AT5023600

50-60 Mev are caused by neutron decay and elution due to anomalous diffusion. Protons with energies of less than 20-30 Mev, and in part those of 40 Mev are not basically associated with neutron decay. These particles are the hard tail of the outer proton belt, and are chiefly the result of betatron acceleration during migration across the boundary of the magnetosphere. It is possible that anomalous diffusion also plays some part in formation of the current ring during magnetic storms. Orig. art. has: 3 figures, 16 formulas. [14]

ASSOCIATION: none

SUBMITTED: 02Sep65

ENCL: 00

SUB CODE: ES, NP

NO REF SOV: 010

OTHER: 024

ATD PRESS: 4102

mlr
Card 2/2

VO KHONG-AN; TVLE; KOK, B.A.

Effect of noise on the turbulence of two-dimensional flows.
Dokl. AN SSR 161 no.5:1030-1032 sp 165. (Mik 12:51)

I. Moskivskiy gosudarstvennyy universitet, Submitted October 17,
1964.

E 58956-46

to the occurrence of a discontinuity in a rotating system

L. KRIVORUCHKO

ATTORNEY GENERAL

AND
ATTORNEY GENERAL

VIENNA, E.A.

Information on the activities of the Soviet intelligence service in Vienna, 1945-1954 (1954-1961)

2. Krasovskiy and his colleagues conducted extensive work in the Moscow-
skogo gosudarstvennogo universiteta, 1945-1954.

TRAPPEL, B.A.

Capture of fast particles from interplanetary space. (2). In
SER. Ser. 012. 28 no.12:2032-2034 D 164. (MIRA 1940)

TVERSKOY, B.A.

Dynamics of the earth's radiation belts. Part 1: Sources of fast particles. Geomag. i aer. 4 no.2:224-232 Mr-Apr '64.

(MIRA 17:4)

1. Moskovskiy gosudarstvennyy universitet, Institut yadernoy fiziki.

SOURCE: Zh. eksper. i teor. fiz., No. 5, 1967, 1873-1880

TOPIC TAGS: plasma, ionosphere, plasma physics, plasma instabilities, shock

1.3.2007

relaxation time τ is given by

on both sides of the front. The total energy of the system is the sum of the electronic component of the energy and the energy of the lattice. The electronic component of the energy is given by $\int \psi^* \hat{H} \psi dV$ and the energy of the lattice is given by $\int \rho \dot{u}^2 dV$. The total energy is given by $E = \int \psi^* \hat{H} \psi dV + \int \rho \dot{u}^2 dV$.

where ψ is the wave function, \hat{H} is the Hamiltonian, ρ is the mass density, and \dot{u} is the velocity of the lattice.

GRIGOR'YAN, R.A.; TVERSKOY, B.N., inzh.

Organization of operations according to a network grant. Transp.
stroi. 15 no.4:3-4 Ap '65. (MIRA 18:6)

1. Upravlyayushchiy trestom Dneprottransstroy (for Grigor'yan).

TVERSKOY, D. L.

USSR/Biology - Clover
Plant Diseases

May 50

"Reasons for Destruction of Clover Seedlings in Moscow Oblast and Measures for Controlling It," D. L. Tverskoy, Cand Agr Sci, K. P. Zhukova, and B. S. Navsuts, Moscow Sta for Plant Protection, 8 pp

"Dok v-s Ak Selkhoz Nauk" No 5

Conducts series of experiments to determine plant disease statistics and soil conditions in which disease and destruction of clover seedlings are most pronounced. Finds weakly acid soils to be

159R2

USSR/Biology - Clover (Contd)

May 50

most harmful condition. Recommends control measures involving application of various fertilizers. Includes six tables of data.

159R2

TVERSKOY, D. L., and ZHUKOVA, K. P. "Effect of Fertilizers on Diseases (Damping-off) of Clover Sprouts," Doklady Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V. I. Lenina, vol. 16, no. 7, 1951, pp. 32-35. 20 Ak1

SO: SIRA, SI 90-53, 15 December 1953

B.A.

Changes in antidiuretic and oxytocic activity of the neurohypophysis in embryonic. P. I. Nikitin and G. B. Ivanov. *J. Physiol. USSR*, 1961, 87, 208-209. — On pituitary was obtained from fetuses at various ages and tested for antidiuretic and oxytocic activity. Taking 2 i.u./mg. of dried pituitary as standard the antidiuretic activity of 3 month embryos is just below standard, but increases to reach a max. of 24 times standard value at 9 months, and falls again to reach standard value at 1 year after birth. The oxytocic activity increases from a very low value at 3 months to reach standard value at birth, and continues to increase to a value of 4 times the standard at the end of 1 year after birth, falling during next few years to the standard value.

D. H. SMYTH.

TVERSKOY, D.L., ZHUKOVA, K.P.

Clover-Moscow Province

Dying out of red clover and measures for combatting this phenomenon in Moscow Province. Sov.agron. 10 no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952, ~~1953~~. Unclassified.

1. TVERSKOI, D. L.
2. USSR (600)
4. Plants - Disease and Pest Resistance
7. Problems for discussion on the immunity of plants to disease and pests. *Agrobiologia*. No. 1, 1953.

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

GORLENKO, M.V., prof., red.; ZHUKOVSKIY, P.M., akademik, red.; DUNIN,
M.S., prof., red.; TVERSKOY, D.L., doktor biolog. nauk, red.
SUVALOV, I.S., red.; ANTOLOVA, N.M., tekhn. red.

[Immunity of plants to diseases and pests] Immunitet rastenii
k bolezniam i vrediteliam. Pod obshchei red. M.V.Gorlenko.
Moskva, Sel'khozgiz. 1961. 245 p. (MIRA 15:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.
Lenina.

(Plants—Diseases and pests)

TVERSKOY, D.L., doktor biol.nauk; ZHUKOVA, K.P., kand.biol.nauk

Corn diseases and measures for their control. Biol. v shkole
no.4:78-83 J1-Ag '58. (MIRA 11:9)

1. Moskovskaya stantsiya zashchity rasteniy Vsesoyuznogo instituta
zashchity rasteniy.
(Corn (Maize)--Diseases and pests)

TVERSKOY, Dmitriy Lukich.

Moscow Station of All-Union Sci Res Inst of Protection of
Plants, Academic degree of Doctor of Biological Sciences,
based on his defense, 11 May 55, in the Council of Botanical
Inst imeni Komarov Acad Sci USSR, of his dissertation en-
titled: "The sugar beet 'korneyed' rooteater and the signi-
ficance of mushrooms in its development."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 5, 3 Mar 56, Byulleten' MVO
SSSR, No. 2, Jan 57, Moscow, pp 17-20, Uncl. JPRS/NY-466

DEMCHENKO, I.K.; TVERSKOY, D.Ye.

Automatization of ChGSP looms. Tekst.prom. 21 no.3:64-65 Mr '61.
(MIRA 14:3)

(Looms) (Automatic control)

Tverskoi, F.
TVERSKOY, F.

"Central Asia; a physicogeographical study" by E.M. Murzaev.
Review by F. Tverskoi. Geog. v shkole 21 no.2:77 Mr-Apr '58.
(MIRA 11:2)
(Asia, Central--Physical geography)
(Murzaev, E.M.)

TVERSKOY, F.

Let us discuss it thoroughly. Geog. v shkole 24 no.4: 56-59
J1-Ag '61. (MIRA 14:8)

(Geography--Study and teaching)

TVERSKOY, F.

"What will be built in 1959 - 1965 and where" by A.I.Vedishchev.
Reviewed by F.Tverskoi. Geog.v shkole 22 no.3:86-87 My-Je '59.
(MIRA 12:11)

(Russia--Economic policy)
(Vedishchev, A.I.)

TVERSKOY, G.B.

CA

11-3

Effect of thiourea on metamorphosis of tailless amphibia. M. G. Zaks and G. B. Tverskoi (Leningrad State Pediat. Med. Inst.). *Fiziol. Zhur. S.S.S.R. (J. Physiol.)* 33, 233-44(1947).—Tadpoles of *Rana temporaria* were subjected to thiourea at various stages of development as well as under metamorphosis induced by thyroxine. Keeping tadpoles in 0.033% thiourea soln. for 7 days resulted in definite retardation of tail growth, with especial effect at the end of metamorphosis (tail resorption). These specimens on immersion in pure water completed their metamorphosis within 8 days; those left in thiourea soln. remained immature. Growth retardation was very pronounced in young specimens in early growth stages. If thyroxine (10^{-7} soln.) is added to the medium after the thiourea effect becomes apparent (12 days), the metamorphosis is accelerated in both test and control groups, with the test group showing a much more pronounced stimulation of growth, as well as the higher lethal percentage. Thus, thiourea enhances the thyroxine effect.

G. M. Kosolapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUP	CLASS	SECTION	SUBSECTION	DEPARTMENT	DISCIPLINE	LANGUAGE	FORM	DATE	AUTHOR	TITLE	EDITOR	REVISION	STATUS	MARKS

TVERSKOY, G. B.

"Neuroregulation of Motor Function of the Breast; Storage and Output of Milk." (pp. 123-39)
by Baryshnikov, I. A., Zaks, M. G., Zotikova, I. N., Sleitskaya, E. S., Pavlov, G. N.,
Pavlov, E. F., Tverskoi, G. B., Tokbukhin, and Tsakhaov, G. S.

SO: Journal of General Biology (Zhurnal Obshchei Biologii) Vol. 12, No.6, (Nov-Dec) 1951.

NIKITIN, P.I.; TVERSKOY, G.B.

Modification of anti-diuretic and oxytotic functions of the neurohypophysis in ontogenesis. *Fiziol.zh.SSSR* 37 no.2:205-208 Mar-Apr 51. (GLML 21:1)

1. Department of Physiology, Leningrad Pediatric Medical Institute.

TVERSKOY, G. B.

V Role of nonmediatory acetylcholine in parturition activity. G. B. Tverskoi. *Akusherstvo i Ginekol.* 1953 No 4, 3-7; *Excerpta Med.*, Sect. II, 7, 1093(1954).--Nonmediatory acetylcholine is produced in the uterine muscle independently of nervous impulses or is transported by blood from the placenta in rabbits. It is concluded that nonmediatory acetylcholine takes no part in the execution of labor. R. D. H.

7. Nature of exchange of information

TVERSKOY, G.B.
USSR/Medicine - Physiology

TVERSKOY, G. B.

#D 254

Card 1/1

Author : Tverskoy, G. B.

Title : Use of cannula in systematic experiments to determine the activity of the mammary gland

Periodical : Fiziol.zhur. 2, 233-235, Mar/Apr 1954

Abstract : A method of bloodless passage into the mammary glands of goats by insertion of a cannula, 1.4 millimeters in diameter, into the opening in the teat is described. This cannula is made of a lightweight metal, Duralumin, is held in place by a band around a rubber cap clamped on the teat. Cannula does not cause reduction of milk yield and no inflammation of the teat was noted even after cannula was kept open as long as 2 1/2 months. If mastitis is absent cannula may be inserted under aseptic conditions. A cannula somewhat larger in diameter may be used in experiments on cows. One USSR reference. Illustrations.

Institution : Scientific-Experimental Station for the Study of Physiology of Agricultural Animals, Institute of Physiology imeni I. P. Pavlov, Academy of Sciences USSR

Submitted : February 12, 1953

TVERSKOY, G.B.

Role of changing pressure within the udder in the stimulation of milk secretion. Trudy Inst.fiziol.4:68-74 '55. (MLRA 9:4)

1.Laboratoriya fiziologii sel'skokhozyaystvennykh zhiivotnykh, sa-veduyushchiy I.A.Baryshnikov, i Nauchno-opytная stantsiya po izucheniyu fiziologii sel'skokhozyaystvennykh zhiivotnykh, direktor I.I.F.Shul'shenko.
(Lactation)

TVERSKOY, G.B.; DYUSEMBIN, Kh.

Speed of milk secretion. Trudy Inst.fiziol. 4:75-80 '55.

1.Laboratoriya fiziologii sel'skokhozyaystvennykh zivotnykh zaveduyushchiy I.A.Baryshnikov, i Nauchno-opytnaya stantsiya po izucheniyu fiziologii sel'skokhozyaystvennykh zivotnykh, direktor I.F.Shul'zhenko.
(Lactation)

TVERSKOY, G.B.

Role of the sensory innervation of the mammary gland in the reflex regulation of milk and milk fat secretion [with summary in English].
Zhur.ob.biol. 18 no.3:169-184 My-Je '57. (MLRA 10:6)

1. Institut fiziologii imeni I.P.Pavlova.
(MAMMARY GLANDS--INNERVATION) (REFLEXES)
(LACTATION)

17(1)

SOV/20-123-6-49/50

AUTHOR:

Tverskoy, G. B.

TITLE:

Milk Secretion in She-Goats Subjected to Total Spinal Cord Cutting (Sekretsiya moloka u koz posle polnoy pererezki spinnogo mozga)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 6, pp 1137 - 1139 (USSR)

ABSTRACT:

The hormones of the anterior pituitary play an important part in the stimulation of the milk secretion (Ref 1). The influence of these hormones upon the maintenance of the secretory process is evident, whereas the ways of the regulation of the hormone producing activity of the anterior hypophysis are in many regards not yet clear. There are some facts which suggest the importance of afferent impulses on the part of the mammary gland in this regulation (Refs 2-5). This afferent impulsions, however, is not the only source of stimulation of the hormone production. It was repeatedly proved that the milk production proceeds also without afferent influences by the mammary gland (Refs 6-8). The author intends to check the results of Tsakhayev (Ref 10)

Card 1/3

Milk Secretion in She-Goats Subjected to Total Spinal
Cord Cutting

SOV/20-123-6-49/50

that are in contradiction with those of other investigators. For this purpose he used 6 goats of Nauchno-opytnaya stantsiya (Scientific Experimental Station) of the institute mentioned in the Association. Modification I: The spinal cord of 3 goats was cut immediately after the first birth, still before the first milking. Modification II: The spinal cord of the remaining 3 goats was cut at D_{XI} during the period of lactation. A complete cutting of the spinal cord causes a disturbance of the milk secretion reflex and a retention of milk within the alveolar section of the gland. The milk secretion after the cutting of the spinal cord is illustrated in tables 1-3. It can be seen from them that the cutting does not interrupt the process of milk production. It may be concluded from the experimental results that the intactness of the afferent tracts of the spinal cord is not necessary for maintaining a high level of milk production. It was not the purpose of this paper to investigate the milk secretion under the highest possible elimination of the afferent impulses on the part of the mammary gland. This was done in another paper by the

Card 2/3

Milk Secretion in She-Goats Subjected to Total Spinal Cord Cutting SOV/20-123-6-49/50

author (Ref 8). The importance of the impulses mentioned cannot be denied but in addition to them there must exist other ways of regulation of the anterior pituitary function which maintains the milk secretion (Ref 8). Ye. Ya. Gilinskiy assisted in the evaluation of the data of the histological analysis. There are 3 tables and 14 references, 4 of which are Soviet.

ASSOCIATION: Institut fiziologii im. I. P. Pavlova Akademii nauk SSSR
(Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences, USSR)

PRESENTED: August 25, 1958, by K. L. Bykov, Academician

SUBMITTED: August 20, 1958

Card 3/3

TVERSKOY, G.B.

Significance of mammary gland innervation in the regulation of its growth and development at different stages of ontogeny in goats. Zhur. evol. biokhim. i fiziol. 1 no. 6:564-570 M-D '65 (MIRA 19:1)

1. Laboratoriya fiziologii i biokhimii laktatsii Instituta fiziologii imeni I.P. Pavlova AN SSSR, Leningrad. Submitted March 31, 1965.

ZAKS, M.G.; NATOCHIN, Yu.V.; SOKOLOVA, M.M.; TANASIYCHUK, O.F.; TVERSKOY, G.B.

Transport of sodium and potassium in the secretion of milk.
Fiziol.zhur. 51 no.4:513-519 Ap '65. (MIRA 18:6)

1. Institut evolyutsionnoy fiziologii i biokhimii imeni Sechenova
AN SSSR i Institut fiziologii imeni Pavlova AN SSSR, Leningrad.

TVERSKOY, G.B.

Methodology for biopsy of the mammary gland in goats. Fiziol.
zhur. 51 no.5:631-632 My '65. (MIRA 18:6)

1. Laboratoriya fiziologii i biokhimi laktatsii Instituta
fiziologii imeni Pavlova AN SSSR, Leningrad.

BARYSHNIKOV, I.A., ZOTIKOVA, I.N., TVERSKOY, G.B.

2

"Neuro-hormonal control of milk secretion."

Report submitted, but not presented at the 22nd International
Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

BARYSHNIKOV, I.A.; TVERSKOY, G.B.

First Symposium on the Physiology and Biochemistry of Lactation.
Piziol. zhur. 48 no.2:235-238 F '62. (MIRA 15:2)

1. From the I.P.Pavlov Institute Institute of Physiology, Leningrad.
(LACTATION--CONGRESSES)

TVERSKOY, G.B.

Role of efferent innervation of the mammary gland in the regulation of milk fat secretion in goats. Dokl. AN SSSR 142 no.3:728-731
Ja '62. (MIRA 15:1)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Predstavleno akademikom V.N.Chernigovskim.
(UDDER--INNERVATION) (LACTATION)

TVERSKOY, G.B.

Role of the cervical part of the sympathetic nervous system in the regulation of lactation in goats. Izv. AN SSSR Ser. biol. no.3:441-457 My-Je '61. (MIRA 14:5)

1. Institute of Physiology, Academy of Sciences of the U.S.S.R., Leningrad.

(LACTATION)

(PITUITARY BODY--INNERVATION)

TVERSKOY, G.B.

Method for the transection of the pituitary stalk in lactating goats.
Fiziol.zhur. 46 no.6:761-763 Je '60. (MIRA 13:8)

1. From the Pavlov Institute of Physiology, Academy of Sciences of
U.S.S.R., Leningrad.

(PITUITARY BODY) (LACTATION)
(SURGERY, EXPERIMENTAL)

TVERSKOY, G.V., kand.biolog.nauk (Leningrad)

"How milk is formed" by G.I.Azimov. Reviewed by G.B.Tverskoi.
Priroda 50 no.7:123 J1 '61. (MIPA 14:6)
(Lactation) (Azimov, G.I.)

SOV/92-59-?-28/40

4(5)

AUTHORS: Mayevskiy, V.Ya., Chief Engineer, and I.Sh. Tverskoy, Chief of the Planning and Estimating Bureau

TITLE: What Stands in the Way of Bulk Plant Reconstruction (Ponekhi rekonstruktsii neftebaz)

PERIODICAL: Neftyanik, 1959, Nr 2, p 28 (USSR)

ABSTRACT: The expected rise in the Soviet petroleum production calls for an immediate expansion of presently operating bulk plants and for the construction of new bulk plants. The distance between bulk plant installations as well as between residential and recreational buildings, according to the old regulations (OST 90039-39), was 50 meters, and this procedure was followed for a number of years. In October 1956 new regulations increased this distance to 100 meters. However, this provision was enforced only for bulk plants and terminals under reconstruction. Old installations which are not rebuilt are allowed to remain unchanged. These new regulations hinder bulk plant reconstruction. The space left free, according to these new regulations, was supposed to be measured not from the bulk plant limit but from such bulk plant installations as storage tanks, gasoline filling stations, etc. Moreover, new petroleum bulk plants, being built far from populated centers, are now being constructed without taking into account

1/2

What stands in the Way (Cont.)

SOV/92-59-2-28/40

possible future expansion. It is evident that regulations prescribing open area should be based on the principle of measuring from the bulk plant limit and not the bulk plant installations. While the bulk plants operating at present are usually built at a distance of 50 meters from the railroad station, the new regulation (TU 103-56) provides that this distance be increased to 80 meters. It is therefore clear that the Gosstroy of USSR (State Committee on Construction of the Council of Ministers of the USSR) has to revise the regulations and provisions which are now in force for bulk plants and terminals. This must be done in order to facilitate their reconstruction.

ASSOCIATION: Ukrglavneftesnabsyt i Proyektno-smetnoye Byuro (The Ukrglavneftesnabsyt and The Planning and Estimating Bureau)

Card 2/2

14(10)

SOV/92-58-10-10/30
AUTHORS: Mayevskiy, V. Ya. and Tverskoy, I. Sh., Staff Members of
the Ukrglavneftesbyt

TITLE: A Floating Roof Preserves the Petroleum Product Quality
(Plavayushchaya krysha sokhranyayet kachestvo nefteprodukta)

PERIODICAL: Neftyanik, 1958, Nr 10, pp 17-18 (USSR)

ABSTRACT: According to this article a floating roof of a storage tank can limit losses of light fractions of the petroleum product stored in the tank, and consequently can preserve its quality. For this reason Ukrainian bulk plants started to use storage tanks with floating roofs long ago. The roof of such a tank is built of prefabricated sections, assembled at the storage site, and is provided with peripheral, annular sectional pontoons and a central pontoon. A special cover plate (Fig. 1) connects the various pontoon sections. The column of the tank runs through the central pontoon. The most important part in the structure is the roof closure (Fig. 2) consisting of two belts covered with rubber and a polyvenyl chloride film inserted between them. A clearance of

Card 1/2

A Floating Roof Preserves the Petroleum (Cont.) SOV/92-58-10-10/30

60-112 mm is left between the tank shell and the peripheral pontoon, and one of 130-132 mm between the tank column and the central pontoon. The closure at the center consists of two semi-circular sections (Fig. 3). There are 3 figures.

ASSOCIATION: Ukrglavneftesbyt

Card 2/2

MAYEVSKIY, V.Ya.; TVERSKOY, I.Sh.

Assembly of floating roofs in existing tanks. Neftianik 3 no.4:28-29
Ap '58. (MIRA 11:5)

1. Glavnyy inzhener Ukrneftesbyta (for Mayevskiy). 2. Nachal'nik
PSB Ukrneftesbyta (for Tverskoy).
(Tanks)

100-ASAC/LSH

MAYEVSKIY, V.Ya.; TVERSKOY, I.Sh.

Mechanized loading of barrels. Neftianik 2 no.9:24-25 S '57.
(MLRA 10:9)

1. Glavnyy inzhener Ukrneftebyta (for Mayevskiy).
2. Nachal'nik
proyektno-smetnogo byuro Ukrneftebyta (for Tverskoy).
(Barrel) (loading and unloading)

MAYEVSKIY, V.Ya.; ~~TVERSKOY, I.Sh.~~

Problems of new technology in petroleum storage. Neftianik 1
no.10:17-18 0 '56. (MLRA 9:11)

1. Glavnyy inzhener Ukrneftesbyta (for Mayevskiy). 2. Na-
chal'nik proyektno-smetnogo byuro Ukrneftesbyta (for Tver-
skoy).

(Petroleum--Storage)

TVERSKOY, K.

For an all-out increase in labor productivity. Zhel.dor.transp.
no.10:20-26 0147. (MLRA 8:12)
(Railroads--Management)

10G47

TVERSKOY, K.

USSR/Railways - Efficiency of Personnel Oct 1947
4602.0323
- Area Network 4602.0200

"To Increase the Productivity of Labor in Every Way,"
K. Tverskoy, 6 1/2 pp

"Zh-d Transport" No 10

Present productivity of labor is below prewar level:
In 1946 productivity of labor in Ural-Siberian District
(Okrug) was 97.8% of prewar level, Western - 90%,
Southwestern - 97.9%, Central - 74.2%, Northwestern -
68%, Caucasus - 65%, and Donets - 57.6%. In many
enterprises production norms are not being fulfilled.
Author calls on RR personnel to fulfill their obliga-
tions in the Five-Year Plan.

10G47

LC

TVERSKOY, K.N.

Plans and the work of crews of railroads. Zhel. Dopr. transport. Zh. no. 9:
5-9 S '64. (CIA 17011)

1. Zamestitel' nauch'nika: Planovo-ekonomicheskogo upravleniya
Ministerstva putey soobshcheniya.

Y
TVERSKOY, K. N.

Boebye voprosy transporta v. 1931. [The urgent task of transportation in 1931].
(In Narodinoe khoziaistvo SSSR na poroge tret'ego goda piatileki i kontrol'nye
tsifry na 1931 god. Moskva, 1931, p. 114-132).

DLC: HC335.Pl5

The unified transport system of the U. S. S. R., by K. N. Tverskoi. London,
V. Gollancz ltd., 1935. 176 p. fold.map. (Half-title: The new soviet library. 10)
"Excellent survey of transport conditions and development (rail, rivers and canals,
Northern Sea route, air) by a Soviet expert." "A Soviet expert's general des-
cription of transport planning and the development of majot forms of transportation
under the Soveit regime, especially in major economic regions."

DLC: HE255,T8

Za bol'shevistkie tempy sotsialisticheskoi rekonstruktsii transporta. [For a
bolshivist pace in the socialist reconstruction of transport]. Moskva, Morskoi
rabochii, 1931. 128 p.

DLC: Slavic unclass.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington 1952. Unclassified.

TVERSKOI, K.N.

TVERSKOI, K.N. The unified transport system of the U.S.S.R. London, V. Gollancz, 1935. 176 p.
DLC: HE255.T8

SO: LC, Soviet Geography, Part I, 1951, Uncl.

TVERSKOI, K. N.

V bor'be za transport. [The struggle for transport]. (Problemy ekonomiki, 1937, no. 5-6, p. 89-108.

"Reviews 20 years of Soviet railroads. Also has 1936 figures and carries them back to 1932 for overlapping."

DLC: HB9.P75

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

TVERSKOY, K. N.

Povyshenie rentabel'nosti zheleznykh dorog i snizhenie sebestoimosti. Increasing
the profitableness of railroads and the reduction of net cost. (Zhel-dor. transport,
1946, no. 11-12, p. 9-18).

DLC: HE7.25

SO: Soviet Transportation and Communications. A Bibliography, Library of Congress
Reference Department, Washington, 1952, Unclassified.

TVERSKOY, K. N.

Ob izmeneii poriadka raspredelenia dokhodov mezhdu dorogami. [On changing the ways of distribution of income among railroads]. (Zhel-dor. transport, 1948, no. 6, p. 27-33).

DLC: HE7.25

S0: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

TYVANCHUK, D.P., inzhener; MULYUKIN, F.P., retsenzent; TVERSKOY, K.N.,
retsenzent; BABKIN, A.P., redaktor; KRYSH TAL', L.I., redaktor
KHATROV, P., tekhnicheskij redaktor

[Planning major railroad overhauling] Planirovanie kapital'nogo
remonta na zheleznodorozhnom transporte. Moskva, Gos. transp.
zhel-dor. izd-vo, 1951. 122 p. [Microfilm] (MLRA 10:2)
(Railroads--Maintenance and repair)

GIBSEMAN, A. Ye.; DANILOV, S. K., professor; DMITRIYEV, V. I.; KORMNYEV, A. I.;
TVERSKOY, K. N.; UMBLIYA, V. B.; KHANUKOV, Ye. D.; CHERNOMORDIK, D. I.;
CHUDOV, A. S.; SHIL'NIKOV, N. S.; KRISHTAL', L. I., redaktor; KHITROV,
P. A., tekhnicheskiy redaktor

[Economics of transportation] Ekonomika transporta. Moskva, Gos.
transp.zhel-dor.izd-vo, 1955. 617 p. (MIRA 9:3)
(Railroads--Finance)

TVERSKOY, K.N., kandidat ekonomicheskikh nauk.

The great significance of increasing the speed of train movements.
Zhel. dor. transp. 38 no.8:49-53 Ag '56. (MLRA 9:10)

(Railroads--Management)

ALFEROV, A.A.; ARTEMKIN, A.A.; ASHKENAZI, Ye.A.; VINOGRADOV, G.P.; GALEYEV, A.U.; GRIGOR'YEV, A.N.; D'YACHENKO, P.Ye.; ZALIT, N.N.; ZAKHAROV, P.M.; ZOBNIN, N.P.; IVANOV, I.I.; IL'IN, I.P.; KMETIK, P.I.; KUDRYASHOV, A.T.; LAPSHIN, P.A.; MOLYARCHUK, V.S.; PERTSOVSKIY, L.M.; POGODIN, A.M.; RUDOY, M.L.; SAVIN, K.D.; SIMONOV, K.S.; SITKOVSKIY, I.P.; SITHIK, M.D.; TETEREV, B.K.; TSETYRkin, I.Ye.; TSUKANOV, P.P.; SHADIKYAN, V.S.; ADELUNG, N.N., retsenzent; AFAMAS'YEV, Ye.V, retsenzent; VLASOV, V.I., retsenzent; VOROB'YEV, I.Ye., retsenzent; VORONOV, N.M., retsenzent; GRITCHENKO, V.A., retsenzent; ZHEREDIN, M.N., retsenzent; IVLIYEV, I.V., retsenzent; KAPORTSEV, N.V., retsenzent; KOCHUROV, P.M., retsenzent; KRIVORUCHKO, N.Z., retsenzent; KUCHKO, A.P., retsenzent; LOBANOV, V.V., retsenzent; MOROZOV, A.S., retsenzent; ORLOV, S.P., retsenzent; PAVLUSHKOV, E.D., retsenzent; POPOV, A.N., retsenzent; PROKOF'YEV, P.F., retsenzent; RAKOV, V.A., retsenzent; SINEGUBOV, N.I., retsenzent; TERENIN, D.F., retsenzent; TIKHOMIROV, I.G., retsenzent; URBAN, I.V., retsenzent; PIALKOVSKIY, I.A., retsenzent; CHEPYZHEV, B.F., retsenzent; SHEBYAKIN, O.S., retsenzent, SHCHERBAKOV, P.D., retsenzent; GARNYK, V.A., redaktor; LOMAGIN, N.A., redaktor; MORDVINKIN, N.A., redaktor; NAUMOV, A.N., redaktor; POBEDIN, V.F., redaktor; RYAZANTSEV, B.S., redaktor; TVERSKOY, K.N., redaktor; CHEREVATYY, N.S., redaktor; ARSHINOV, I.M., redaktor; BABELYAN, V.B., redaktor; BERNGARD, K.A., redaktor; VERSHINSKIY, S.V., redaktor; GAMBURG, Ye.Yu., redaktor; DRRIBAS, A.T., redaktor; DOMBROVSKIY, K.I., redaktor; KORNEYEV, A.I., redaktor; MIKHEYEV, A.P., redaktor

(Continued on next card)

ALFEROV, A.A. ---- (continued) Card 2.

MOSEVIN, G.N., redaktor; EUBINSHTEYN, S.A., redaktor; TSYPIN, G.S.,
redaktor; CHERNYAVSKIY, V.Ya., redaktor; CHERNYSHEV, V.I., redaktor;
CHERNYSHEV, M.A., redaktor; SHADUR, L.A., redaktor; SHISHKIN, K.A.,
redaktor

[Railroad handbook] Spravochnaia knizhka zheleznodorozhnika, Izd.
3-e, ispr. i dop. Pod obshchei red. V.A.Garnyka. Moskva, Gos.
transp.zhel-dor. izd-vo, 1956. 1103 p. (MLRA 9:10)

1. Nauchno-tekhnikeskoye obshchestvo zheleznodorozhnogo transporta.
(Railroads)

TVERSKOY, K.N

PHASE I BOOK EXPLOITATION

293

Gibshman, A. Ye., Danilov, S.K., Dmitriyev, V.I., Korneyev, A.I.,
Tverskoy, K.N., Umbliya, V.E., Khanukov, Ye. D.,
Chernomordik, D.I., Chudov, A.S., Shil'nikov, N.S.

Ekonomika transporta (The Economics of Transportation) 2d rev.
ed. Moscow, Transzheldorizdat, 1957. 711 p. 30,000 copies
printed.

Ed.: Krishtal', L.I.; Tech. ed.: Khitrov, P.A.

PURPOSE: This textbook is intended for students in engineering-
economic branches of Railway Transportation Institutes, as well
as for railway workers engaged in the independent study of railway
economics.

COVERAGE: The economic aspects of railway transportation are dis-
cussed in this textbook. It covers such subjects as technical-
economic problems, the most efficient way to use available
facilities, methods for planning and organizaing various branches

Card 1/21

The Economics of Transportation

293

of transportation operations and production, wages, costs, finances, and business accountability (khozraschet). For detailed information see Table of Contents. The book is written by several specialists in the field of railway transportation: Chapters I and IV, and part 1 of chapter II are written by Prof. S.K. Danilov; Ch. II, (parts 2, 3, and 4) is written by D.I. Chernomordik, Doctor of Economic Sciences; Ch. III by Docent A.I. Korneyev; Chapters V, VII, and VIII by Prof. Ye. D. Khanukov, Doctor of Economic Sciences; Chapters VI and XIV by Docent K.N. Tverskoy, Candidate of Economic Sciences; Ch. IX by V.I. Dmitriev, Candidate of Economic Sciences; Ch. X by Prof. A. Ye. Gibshman, Doctor of Technical Sciences; Ch. XI by Docent V.E. Umbliy, Candidate of Economic Sciences (deceased), revised by Prof. S.K. Danilov; Ch. XII by Docent A.S. Chudov, Candidate of Technical Sciences; Ch. XIII by Docent N.S. Shil'nikov, Candidate of Economic Sciences. There are 24 pages of references (pp. 682 through 705). Pages 682 to the middle of 694 are devoted exclusively to references from the works of Marx, Engels, and Lenin.

Card 2/21

The Economics of Transportation

293

From the middle of p. 694 through p. 705, the references are transportation orders issued by the Communist Party and the Soviet government. No other personalities are mentioned.

TABLE OF
CONTENTS:

Foreword	3
Ch. I. Subject and Scope of Courses in Transportation Economics	5
Ch. II. Railway Transportation in Capitalist Countries	
1. Social and economic aspects of transportation in capitalist countries	16
2. Role of transportation in capitalist production	20
Characteristics of transportation as a branch of industrial production	20
Characteristics of transportation as an industry	22
Characteristics of capitalist transportation	
Card 3/21 costs	24

TVERSKOY, K.N., kand.ekonom.nauk

Potentials for the growth of labor productivity in railroad transportation. Zhel.dor.transp. 44 no.12:8-13 D '62. (MIRA 15:12)

1. Zamestitel' nachal'nika Planovo-ekonomicheskogo upravleniya Ministerstva putey soobshcheniya.
(Railroads—Labor productivity)

DANILOV, Sergey Konstantinovich, prof.; TVERSKOY, K.N., retsenzent;
PESKOVA, L.N., red.; USENKO, L.A., tekhn. red.

[Railroad transportation and the economic and technical
foundation of communism] Zheleznodorozhnyi transport i ma-
terial'no-tekhnicheskaya baza kommunizma. Moskva, Trans-
zheldorizdat, 1962. 100 p. (MIRA 16:4)
(Railroads) (Communism)

TVEASKOY, Konstantin Nikolayevich; KHANUKOV, Ye.D., retsenzent;
KRISHTAL', L.I., red.; BOBROVA, Ye.N., tekhn. red.

[Planning in railroad transportation] Planirovanie na zhe-
leznodorozhnom transporte. Moskva, Transzheldorizdat,
1962. 69 p. (MIRA 15:10)
(railroads--Management)

ZAKHAROV, A.G., kand.ekon.nauk, nauchnyy sotrudnik; SHISHOV, G.A.,
inzh.-ekonomist, nauchnyy sotrudnik; ZAKHAROVA, Z.I., inzh.-
ekonomist, nauchnyy sotrudnik; TVERSKOY, K.N., retsenzent;
ABRAMOV, A.P., retsenzent; PETRUKHNOVSKIY, I.V., retsenzent;
KUZNETSOV, A.N., retsenzent; KOLTUNOVA, M.P., red.; USENKO, L.A.,
tekhn.ied.

[Economic evaluation of the operational indices of railroads]
Ekonomicheskaya otsenka ekspluatatsionnykh pokazatelei raboty
derog. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei
soob., 1961. 174 p. (Moscow, Vsesoyuznyi nauchno-issledovatel'skii
institut zheleznodorozhnogo transporta. Trudy, no.218)

(MIRA 15:1)

1. Sektor ekonomiki Ural'skogo otdeleniya Vsesoyuznogo nauchno-
issledovatel'skogo instituta zheleznodorozhnogo transporta (for
Zakharov, Shishov, Zakharova).
(Railroads - Cost of operation)

TVERSKOY, I.

Mobile poultry coops. Mest.prom.i khud.promys. 2 no.7:22 J1
'61. (MIRA 15:1)

1. Zamestitel' nachal'nika proizvodstvenno-tekhnicheskogo otdela
Upravleniya toplivnoy promyshlennosti i mestnykh stroymaterialov,
g. Moskva.

(Moscow--Poultry houses and equipment)

PROCESSED AND ABSTRACTED NOTES

TVERSKOY L. M.
CA

114

Preservation of blood with sulfanilamide. L. M. Tverskoi. *Khirurgiya* 1946. No. 1, 15-17. Blood preserved with 0.5% citrate and 0.8% sulfanilamide can be kept at -10 to 4° a max. of 27 days; the same result is obtained with omission of sulfanilamide. The osmotic resistance of blood preserved with citrate and sulfanilamide drops after the 4th day and very intense lowering occurs at 9-10 days, reaching a max. at 12 days; no actual hemolysis was observed. Sulfanilamide-preserved blood does not have bactericidal or bacteriostatic properties against streptococcus or staphylococcus, nor does this treatment prevent the invasion of the blood by atm. flora. Sulfanilamide blood had no therapeutic effects in 232 transfusions.

G. M. Kosolapoff

ADD. SLA METALLOGICAL LITERATURE CLASSIFICATION

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

THE CITY, L. U.

The committee of specialists for the Ministry of Education in the fields of science and inventions announced that the following scientific works, popular science books, etc. have been selected for competition for Stalin prizes for the years 1949 and 1950. (Pravda, Moscow, Feb. 20, 1950; Pravda, Apr. 1950)

Author
Tverskoy, L. U.

Title of work
"Russian City Construction
at the end of the 17th Century"

Nominated by
Leningrad branch of the Union
of Soviet Architects

See Appendix, 17 July 1950

KLISTORNER, A.I.; TVERSKOY, M.A.; BLYUM, V.K.

Redesigning the fixing of SE-3 excavator racking gear arles. Gor. zhur.
no.12:62-63 D '58. (MIRA 11:12)

1.Magnitogroskiy metallurgicheskiy kombinat.
(Excavating machinery) (Gearing)

14-00000
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 1ST AND 2ND ORDERS
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4-17
 TVERNKOY (D. L.), Бактериальная пятнистость *Tobacco* и *Maxipha*.
 [Bacterial spotting of Tobacco and Indian Tobacco].--*Materials for Mycol. and Phytopath.*, Leningrad, viii, 2, pp. 125-132, 3 figs., 1931.

The author states that his isolations from numerous samples of *Nicotiana tabacum* and *N. rustica* showing bacterial spotting of the leaves from Crimea and North Caucasus yielded practically in every case an organism which, except for some minor differences,

is very similar both morphologically and culturally to *Bacterium tabacum* [R.A.M., x, p. 627]. Inoculation experiments proved the pathogenicity of the bacterium to both species of tobacco, and also to tomato and clover. One experiment in the greenhouse indicated that the formation of concentric rings in the spots is due to the alternation of periods of low atmospheric moisture and high temperature, which completely arrest the development of the bacteria, with periods of high moisture and low temperature which further it.

AS U.S.S.R. METALLURGICAL LITERATURE CLASSIFICATION
 СОЮЗ ПЕРВОУСЛАВ
 СОЮЗ ПЕРВОУСЛАВ

TVERSKOY, D. L.

TVERSKOY, D. L. "Diseases of Tobacco and Makhorka," Instruktsii Dlia Nabliudatel'nykh punktov, Vsesoiuznoe Gosudarstvennoe Ob'edinenia po Bor'te s Vredteliami i Bolezniam v Sel'skom i Lesnom Khoziaistve, Upravlenie Sluzhby Ucheta, no. 1, 1932, pp. 3-55. 464.9 V96

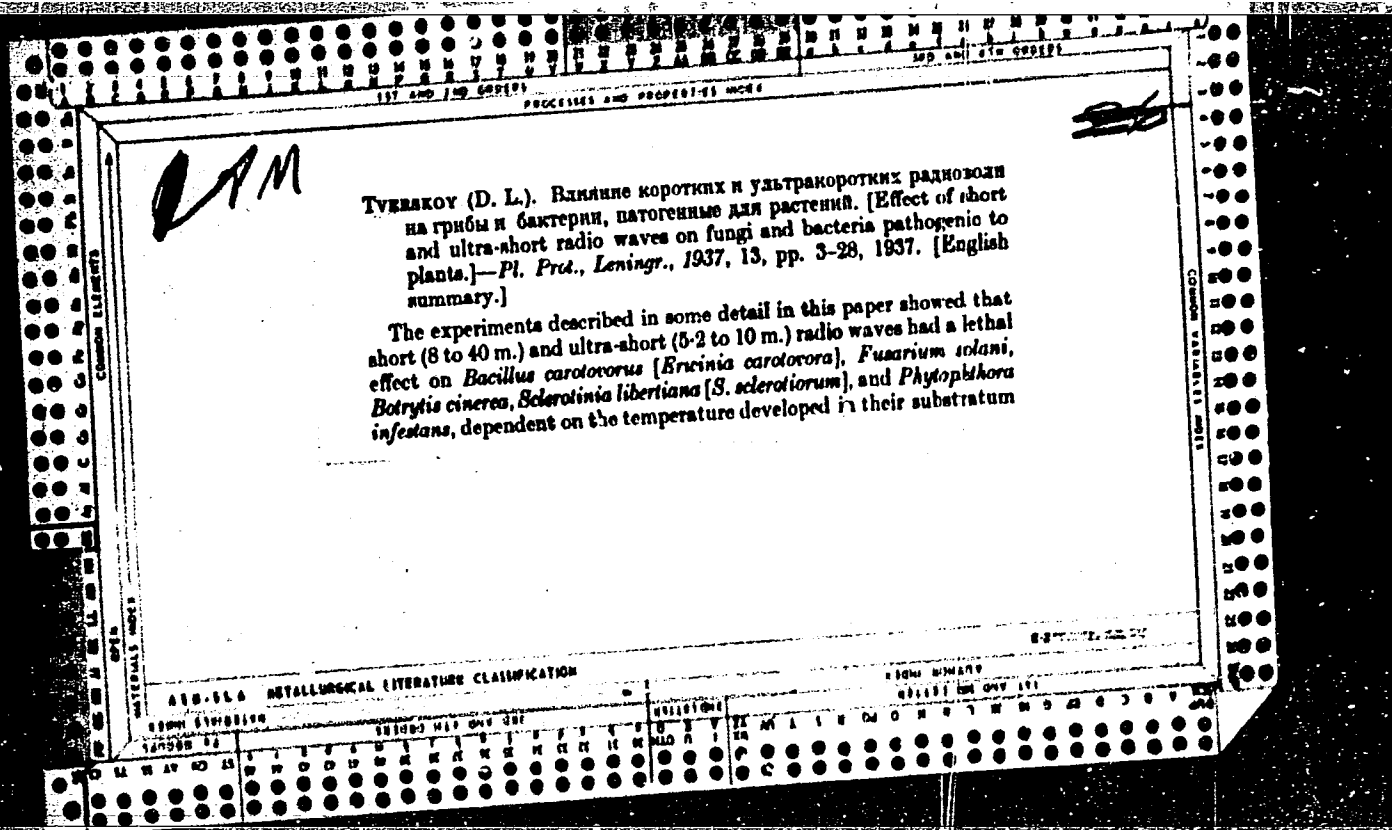
SO: SIRA SI - 90-53, 15 December 1953

15

ca

The direct action of some chemical compounds on the spores of *Plasmiodiophora brassicae*. D. L. Tyerski. *Plant Protection* (U. S. S. R.) 1936, No. 9, 137-40. The use of *N* concns. of $MgSO_4$, Na_2CO_3 , $CaCl_2$, Li_2CO_3 , $Sn(NO_3)_2$, $NaOH$, KOH , $Ca(OH)_2$, $Ba(OAc)_2$, KH_2PO_4 , HCl , H_3PO_4 , and $(NH_4)_2CO_3$ in the control of *Plasmiodiophora brassicae* on cabbage led to infections of 80.90, 84.5, 72.4, 91.8, 86.3, 84.9, 94.4, 85.6, 90.6, 95.9, 92.8, 45.5 and 90.2%, respectively. Controls showed 100% infection. In 10 *N* concns. the percentage infection varied from 89.2% for $CaCl_2$ to 99.6% for KOH . The most effective reagents were H_3PO_4 , $MgSO_4$, and $CaCl_2$. S. A. K.

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION



(natural, agar, or salt solutions) under the influence of irradiation, but not when the heat effect was eliminated by water jackets. *In vitro* the micro-organisms were killed at temperatures inside the test-tubes from 45° to 60° C. or higher, the inference being that the temperatures of the substrata were much lower than those developed inside the micro-organisms themselves by the waves. With *E. carotovora* it was also observed that the killing effect was more rapid as the density of the suspensions was greater, but was nil when silk threads dipped in a suspension of the bacteria and dried were directly irradiated. The organism was killed most rapidly when present inside cereal grains.

These results are interpreted as indicating the possibility of using short and ultra-short radio waves for the disinfection of wheat seed-grain infected with loose smut [*Ustilago tritici*], or with *Helminthosporium* and *Fusarium* spp., there being evidence that by increasing the potential of the electrical field, the sterilization of the affected grain may apparently be attained within a very short time (a few seconds). It was further found that exposure of wheat grain in an electrical field to a temperature of 65° C. for two to four minutes only slightly reduced its germinability. Further work is in hand to test the possibilities of this method.

TVERSKOY, D. L.

TVERSKOY, D. L., and BUNINA, A. M. "Ecology of Sugar Beet Cercospora (*C. beticola*) and Directions for the Use of Chemical Preparations for its Control," Nauchnyi Otchet Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Sveklovichnogo Polevodstva za 1941-1942 Gg., no. 1, 1945, pp. 115-134, 66.9 V963

SO: SIRA SI - 90-53, 15 December 1953

TVERSKOY, D. L.

TVERSKOY, D. L., and ZHUKOVA, K. P. "Comparative Aggressiveness of the Organisms
Causing Root Rot in Sugar Beets," Sakharnaia Promyshlennost',
vol. 22, no. 3, 1948, pp. 40-44. 65.8 Sa2

SO: SIRA SI - 90-53, 15 December 1953

2/50714

USSR/Biology - Beets, Diseases
Fungi
Mar/Apr 49

"New Data on Sugar Beet Root Disease," D. L. Twardzkoy, Cand Agr Sci, All-Union Sci Res Inst for Beet Culture, 18 pp

"Agrobiol" No 2

Data cited show that strong seedlings are attacked only by active parasites. Weak plants are also subject to semi-parasites or saprophytes. Most active fungi are Pythium de Baryanum and Aphanomyces cochlidioides Drechs. Phoma betae is less important. Remaining varieties usually attack after roots are

2/50714

USSR/Biology - Beets, Diseases
Fungi (Contd)
Mar/Apr 49

weakened by former varieties or other causes. First two fungi occur under favorable growing conditions, Phoma betae, only under unfavorable conditions.

TWARDZKOY, D.

2/50714

27241. TVERSKOY, D. L. - O vzbuditele korneeda sakharnoy svekly aphanomyces cochlioides
drechs. Doklady vsesoyuz. Akad. s-kh. Nauk im. lenina, 1949, vyts. 5, s. 9-13
-Vibliogr: 5 nazv.

SO: Letopis' Zhurnal'n'kh Statey, Vol. 36, 1949

TVERSKOY, D. L.

TVERSKOY, D. L. "Aphanomyces cochliodes Drechs, the Organism of Black Root of Sugar Beet," Doklady Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V. I. Lenina, vol. 14, no. 8, 1949, pp. 7-18. 20 Ak1

SO: SIRA SI - 90-53, 15 December 1953

TVERSKOY, D. L.

TVERSKOY, D. L. ZHUKOVA, K. P., and NAVSUTS, B. S. "In Regard to Causes for the Damping-off of Red Clover Seedlings in the Moscow Region," in Grass Sowing and Seed Production of Perennial Grasses, State Publishers of Agricultural Literature, Moscow, 1950, pp. 634-636. 60.19 Un32

SO: SIRA, SI 90-53, 15 December 1953

12/174

ТУДЯКОВ (D. L.), ЗИУКОВА (Мисс К. Р.), & НАВЯУТЗ (B. S.). Причины
выпадения сеянцев Клевера в Московской области и меры борьбы с ними.
[Causes of Clover seedling failures in the Moscow district and control measures.]
— *C. R. Acad. Sci. agric. U.R.S.S.*, 1950, 5, pp. 22-29, 1950.

In 1947 clover failure in the Moscow district amounted to more than 80 per cent. In 1949 in the drier southern areas of the district 18 per cent. of the seedlings were diseased, and 85 per cent. in the more humid northern parts. At the Sukhanovo State farm 27 per cent. of the diseased seedlings died and 45 per cent. at the Moscow Experimental Station, Ermolino, the losses being greatest during a hot, dry period in June and July.

In investigations carried out in 1949 at the Moscow Experimental Station a species of *Fusarium* [cf. *R.A.M.*, 25, p. 13; 26, p. 110] was most frequently isolated from diseased red clover seedlings, followed by species of *Rhizoctonia* [ibid., 19, p. 322] and *Pythium*. *Thielaviopsis* sp. [ibid., 27, p. 123] was less common. Many seedlings had infected root systems (11 to 45 per cent.); isolations yielded *Fusarium* in 32.6 per cent. of the cases and an [unspecified] bacterium in 53.8

TVERSKOY, M.A., inzh.; SOSEV, N.S., tehnik

Changing the design of spring shock absorbers of inertia-type
grizzlies. Cor. zhur. no.6:74 Je '64. (MIRA 17:11)

1. Izvestnyakovo-dolomitnyy kar'yer Gornogo upravleniya Magnitogorskogo
metallurgicheskogo kombinata.

TVERSKOY, M.A., inzh.

Mechanizing a manual winch to raise the drill rig mast. Gor. zhur.
no.2:73 F '58. (MIRA 11:3)

1. Agapovskiy izvestnyakovyy kar'yer.
(Winches) (Boring machinery)

SOV/127-58-12-20/26

AUTHORS: Klistorner, A.I., Tverskoy, M.A. and Blyum, V.K.

TITLE: The Attachment of the Supporting Axle of the Excavator SE-3
(Rekonstruktsiya krepleniya napornoy osi ekskavatora SE-3)

PERIODICAL: Gornyy zhurnal, 1958, Nr 12, pp 62 - 63 (USSR)

ABSTRACT: The author proposes a new method of fixing the supporting axle of the excavator SE-3, constructed by the Ural'skiy zavod tyazhëlogo mashino-stroyeniya (the Ural Plant of Heavy Machine Building). By changing the shape of the thrust shaft to which this axle is attached breakage can be prevented. There are 2 sets of diagrams.

ASSOCIATION: Magnitogorskiy metallurgicheskiy Kombinat (Magnitogorsk Metallurgical Combine)

Card 1/1

KARPENKO, V.V., kand.tekhn.nauk; KHATSINOV, N.I., kand.tekhn.nauk;
TVERSKOY, M.I. [Tvers'koi, M.I.], kand.tekhn.nauk; ZUBKOVA, A.S., inzh.

Grip for removing ensilage. Mekh. sel'. hosp. 9 .9:20-21 S '58.
(MIRA 11:10)

(Hoisting machinery) (Ensilage)

MOSCOW INSTITUTE OF MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE IMENI V.M. MOLOTOV.

TVERSKOY, M. I. -- "Investigation of the Operating Life of a Belt for Quartertwist V-Belt Transmission." Min Higher Education USSR. Moscow Institute of Mechanization and Electrification of Agriculture imeni V. M. Molotov. Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences.)

So; Knizhnaya Letopis' No 3, 1956

TVERSKOY, M.M., inzh.

Using automatic control systems for increasing the precision and
productivity of machining on lathes. Vest.mashinostr. 42
no.11:44-46 N '62. (MIRA 15:11)
(Lathes) (Automatic control)

AUTHORS

Bazilevich V.V., Tverskoy N.P.

57-8-24/36

TITLE

Freezing of Drops of the Supercooled Water Fog in the Accoustic Field.

(Zamerzaniye kapel' pereokhlazhdenного vodyanogo тумана v akusticheskom pole - Russian)

PERIODICAL

Zhurnal Tekhn.Fiz., 1957, Vol 27, Nr 8, pp 1826-1829 (U.S.S.R.)

ABSTRACT

The conditions under which deep-cooled water in small quantities and especially in form of drops freezes, and the influence of strong vibrations (shocks) on these deep-cooled drops were investigated. From literature we know the case that the formation of ice-crystals was observed with deep-cooled river-fog in the beam of the searchlight of a car which had stopped on the bank when a strong accoustic signal exercised its influence on it. Experiments were carried out in a 24.10^4 cbcm chamber with super cooled water-fog in order to investigate this phenomenon. The accoustic oscillations were caused by a siren. The experiments showed that a fast crystallization of the supercooled fog took place in the accoustic field with an intensity of 3.10^2 Erg.cm⁻².sec.⁻¹. The whole process lasted for about one minute and a crystallization was not observed without the influence of the accoustic oscillations on the fog. Experiments with various negative temperatures showed that the supercooled fog crystallizes quicker within the range of from -4 to -50C. The intensity of sound is, of course, decisive in this process.

(3 illustrations and 2 Slavic references).

*Main
 See Physical
 Obs. in
 Voyevkov,
 Leningrad*

Card 1/2

TVERSKOY, N.P.

Acoustical characteristics of the atmosphere in the turbulent state.
Trudy GOI no. 73:54-60 '58. (MIRA 11:9)
(Atmospheric turbulence)

TVERSKOY, N.P.

Effect of the frequency and intensity of acoustic vibrations on the dispersion speed of water fogs. Trudy GGO no.104:85-94 '60.

(MIRA 13:10)

(Weather control)

(Sound waves)

TVERSKOY, N.P.

Dissipation of supercooled fog in the acoustic field. Trudy GGO
no.176:51-59 '65. (MIRA 18:8)

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AUTHOR: Tverskoy, N. P.

79
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TITLE: Dissipation of supercooled fog in an acoustical field

SOURCE: Leningrad Glavnaya geofizicheskaya observatoriya. Trudy, no. 170, 245.
Voprosy fizicheskoy i matematicheskoy akustiki (Soviet Journal of Physical and
Acoustics), 51-59

TOPIC TAGS: fog dissipation, acoustic fog dissipation, fog crystallization

ABSTRACT: More than 350 experiments conducted in the cold chamber at the Main Geo-physical Observatory to determine the effect of sound at frequencies 100-1000 Hz and 3500 cps on the dissipation of fog showed that the rate of crystal growth and

crystallization and accelerate the dissipation of fog by a factor of 10 when water content to retard the onset of crystallization but accelerate subsequent dissipation. Thus, when the water content was increased from 2 to 10 g/m³, crystal-

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ization was retarded by a factor of 2-4, but subsequent dissipation proceeded
faster than the initial phase.

lower temperatures...
dissipation...
to be 20. As the temperature...
dissipation was increasingly delayed...
the presence of a vapor fraction...
spectrum's maximum shifted...
increased...

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