

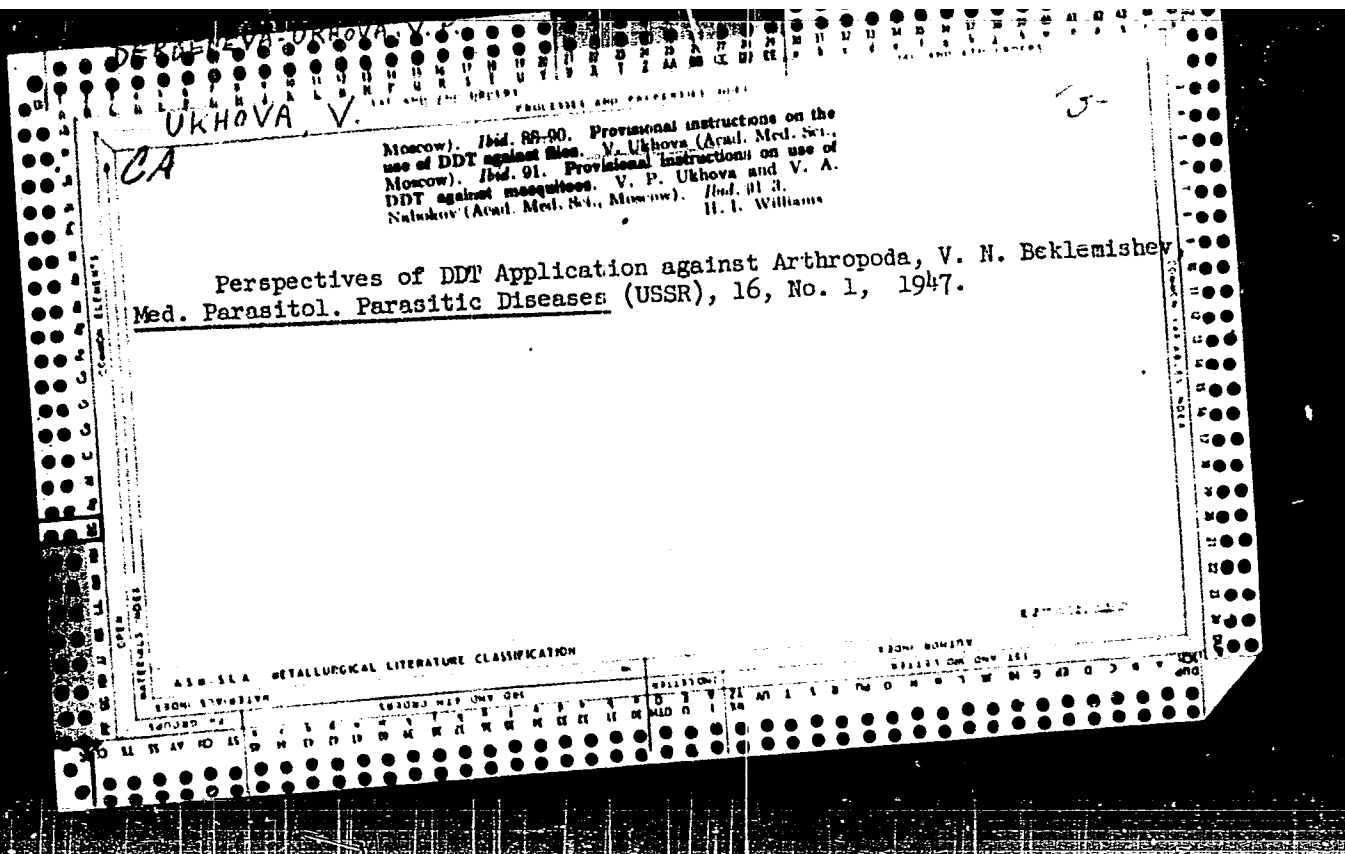
START

#

102

VAL'KOV, A.M., inzh.-polkovnik v otstavke; KUSTOV, A.I., polkovnik intendantskoy sluzhby v otstavke; DERBENEVA, Ye.P., sluzhashchaya Sovetskoy Armii agronom; TRUTNEV, N.F., polkovnik intendantskoy sluzhby zapasa; RYABOV, I.G., polkovnik intendantskoy sluzhby v otstavke; LUPPOV, A.P., polkovnik zapasa; DIKUSHIN, V.F., general-mayor tekhnicheskikh voysk v otstavke; LAVROV, I.A., podpolkovnik med. sluzhby; DMITRIYEV, N.D., polkovnik veterinarnoy sluzhby zapasa; IVANOVTSSEV, P.V., podpolkovnik veter. sluzhby kand. veter. nauk; SAFRONOV, I.V., general-leytenant v otstavke; ZHALKOV, S.I., red.

[Unit administrator's manual] Spravochnik voiskovogo khoziaistvennika. Moskva, Voenizdat, 1965. 462 p.
(MIRA 18:6)



DERBENEVA*UKHOVA, V. P.

Derbeneva-ukhova, V. P. "On the seasonal course of a number of Musca domestica L flies," Med. parazitologiya i parazitarnye bolezni, 1948, No. 6, p. 491-96
- Bibliog: 16 items

So: U-2888, Letopis Zhurnal'nikov Stroy, No. 1, 1949

^B
DERENEVA-UKHOVA, V. F.
N

"The Use of Preparations of DDT Against Flies in Lrekhovo-Zuyevo in 1947", Med. Paraz. i Paraz. Bolez., Vol. 17, No. 1, pp 34-45, 1948.

15A

Methods of application of DDT and other stable contact insecticides for fly control. V. P. Derbeneva-Ukhova (Ministry Health U.S.S.R., Moscow) *Gigiena i Sanit.* 1950, No. 10, 41-5.—Results of several mass treatments with DDT are briefly described and the working rules as to proper season of the year, coverage of dwellings, and possible breeding places are outlined. Best results are obtained by early spring dusting. G. M. Kosolapoff

DERBENEVA-UKHOVA, V.P.

[Flies and their importance in epidemiology]
znachenie. Moskva, Medgiz, 1952. 270 p.

Mukhi i ikh epidemiologicheskoe
(MLRA 6:7)
(Flies as carriers of disease)

~~DERBENEVA-UKHOVA, V.P.;~~ LINEVA, V.A.; SERGIYEV, P.G., professor, direktor;
~~BEKLEMISHEV, V.N.,~~ professor.

Type of resistance of the natural population of the domestic fly (*Musca domestica* L.) to DDT and hexachlorocyclohexane. Med.paraz.i paraz.bol. (MLRA 6:6)
no.2:153-160 Mr-Apr '53.

1. Entomologicheskii otdel Instituta malyarii, meditsinskoy parazitologii i tel'mintologii Ministerstva zhravookhraneniya SSSR (for Lineva, Derbeneva-Ukhova and Beklemishev). 2. Institut malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zhravookhraneniya SSSR (for Sergiyev).
(Flies) (DDT (Insecticide)) (Benzene hexachloride)

DERBENEVA-UKHOVA, V.P.; VUSLAYEV, M.A.

Measures of control of flies infection carriers. Sovet. med. 17 no.7:
38-42 July 1953. (CJML 25:1)

1. Professor for Derbeneva-Ukhova. 2. Moscow.

1000

DERBENEVA-UKHOVA, V.P. [author]; SMORNOV, Ye.S. [reviewer].

"Flies and their epidemiological significance." V.P. Derbeneva-Ukhova. Re-
viewed by E.S. Smirnov. Zool. zhur. 42 no.5:1033-1035 S-O '53. (MLBA 6:10)
(Flies) (Derbeneva-Ukhova, V.P.)

DERBENEVA-UKHOVA, V. P. Prof.

"Problems of Sanitary-Antiepidemiology Service in the Organization and Execution of Measures for Combating Flies" a paper read at the All-Union Conference for Combating Parasitic Diseases held in Moscow, 10-11 Apr 1956

Sum 1239

DERBENEVA-UKHOVA, V.P.

"Blood sucking Diptera insects; biology and control measures .
V.A. Nabokov, M.F. Shlenova. Reviewed by V.B. Derbdneva-Ukhova.
Med.paraz. i paraz. bol. 25 no.1:87 Ja-Mr '56. (MIRA 9:6)
(DIPTERA) (NAVOKOV, V.A.) (SHLENOVA; M.F.)

DERBENEVA-UKHOVA, V.P.

"Synanthropic diptera of the U.S.S.R." by A.A.Shtakel'berg.
Reviewed by V.P.Derbeneva-Ukhova. Med.paras. i paras. bol. 25
no.4:375. G-D '56. (MLA 10:1)

(SHTAKEL'BERG, A.A.) (DIPTERA)

DERBENEVA-UKHOVA

TRANSMITTERS

"The Sanitary Cleaning and the Campaign against Flies in Crekhovo-Zuyevo", by Professor Derbeneva-Ukhova, Zdravookhraneniye Rossiyskoy Federatsii, No 3, March 1957, pp 24-28.

The author draws the conclusion that in elaborating on the rational complex of measures for the extermination of flies, it is necessary to take into account the peculiarities of the climate, the type of inhabited locality and the actual habits of its population.

Card 1/1

- 57 -

USSR/Zooparasitology. Ticks and Insects--Vectors of Causative Agents of Disease G

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57939

Author : ~~Derbeneva-Ikhova V. P.~~

* Inst : ~~Not given~~

Title : Results of the Research Work Done in the Study of House Flies and the Development of Measures for their Control in the USSR

Orig Pub : Med. parazitol. i parazitarn. bolezni, 1957, 26, No 5, 567-574

Abstract : No abstract

* Iz ENTOMOLOGICHESKOGO Sektora INSTITUTE MALYARIi, MEDITSINSKOY PARAZITOLOGii i GEL'MINTOLOGii MINISTERSTVA ZDRAVOOKHRANENIYA SSSR.

Derbenova, Ukhova, V.P.

DERBENOVA-UKHOVA, V.P.

Conference on problems of the resistance of arthropods to insecticides.
Med.paraz. i paraz.boi. 26 no.3:375-378 My-Je '57. (MIRA 10:11)
(INSECTICIDES)

BEKLEMISHEV, V.N., prof.; VINOGRADSKAYA, O.N.; DARSKAYA, N.F.; DERBENEVA-UKHOVA, V.P.; DETINOVA, T.S.; DOLMATOVA, A.V.; LANGE, A.F.; OLSUF'YEV, N.G.; POSPELOVA-SHTROM, M.V.; RODENDORF, B.B.; SHIPITSINA, N.K.; PLAVIL'SHCHIKOV, N.N., red.; LYUDKOVSKAYA, N.I., tekhn.red.

[Guide to arthropods harmful to human health] Opredelitel' chlenistonogikh, vrediashchikh zdorov'iu cheloveka. Moskva, Gos. izd-vo med.lit-ry, 1958. 419 p. (MIRA 12:5)

1. Deyatvitel'nyy chlen AMN SSSR (for Beklemishev). 2. Institut malyarii i meditsinskoy parazitologii Ministerstva zdravookhraneniya SSSR (for Beklemishev, Derbeneva-Ukhova, Detinova, Dolmatova, Pospelova-Shtrom, Shipitsina). 3. Kafedra parazitologii Tsentral'nogo inst. usovershenstvovaniya vrachey (for Vinogradskaya). 4. Nauchno-issledovat.inst. Kavkaza i Zakavkaz'ya Ministerstva zdravookhraneniya SSSR v Stavropole (for Darskaya). 5. Kafedra entomologii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova (for Lange). 6. Otdel parazitologii i meditsinskoy zoologii Inst. epidemiologii i mikrobiologii im. N.F.Gamal'i AMN SSR (for Olsuf'yev). 7. Institut paleontologii Akademii nauk SSSR (for Rodendorf).

(ARTHROPODA) (INSECTS AS CARRIERS OF DISEASE) (PARASITES--MAN)

DERBENEVA-UKHOVA, V.P.; LINEVA, V.A.

Using chlorophos to control *Musca domestica* L. resistant to chlorinated hydrocarbons [with summary in English]. Med.paraz. i paraz. bolezni. 23 no.1:44-53 Ja-F '59. (MIRA 12:3)

1. Iz Instituta malyarii, meditsinskoy parazitologii i gel'mintologii (dir. instituta - prof. P.G. Sergiyev, zav. sektorom - prof. V.H. Beklimishev) Ministerstva zdravookhraneniya SSSR.

(PHOSPHONATES, effects,

dimethyl-2,2,2-trichloro-1-ethyl-phosphate, eradication of flies resist. to chlorinated hydrocarbons (Rus))

(FLIES,

eradication with dimethyl-2,2,2-trichloro-ethyl-phosphate of flies resist. to chlorinated hydrocarbons (Rus))

DERBENEVA-UKHOVA, V.P., prof.; TIMOSHKOV, V.V.; BEKMAN, A.M.

Effect of improved refuse dump organisation on fly multiplication.
Gig. i san. 24 no.4:33-37 Ap '59. (MIRA 12:7)

1. Iz Instituta malyarii, meditsinskoj parazitologii i gel'mintologii
Ministerstva zdravookhraneniya SSSR, sanitarno-epidemiologicheskoy
stantsii Moskvy i sanitarno-epidemiologicheskoy stantsii Leninskogo
rayona Moskovskoy oblasti.

(SANITATION,

refuse dumps, flies control (Rus))

(FLIES,

control in refuse dumps (Rus))

DERBENEVA-UKHOVA, V.P.; BUSLAYEV, M.A.; KALMYKOV, Ye.S.; KON', Ya.S.;
MARUASHVILI, G.M.; MASLOV, A.V.; NETSEIY, G.I.; PIRUMOV, Kh.N.;
POKROVSKIY, S.N.; SELIVANOV, K.B.

Problems of the sanitary-epidemiological service in the control
of parasitic diseases in various zones of the U.S.S.R. Med.
paraz. i paraz.bol. 28 no.3:287-294 My-Je '59. (MIRA 12:9)
(PARASITIC DISEASES, prev. & control,
in Russia (Rus))

DERRENEVA-JKHOVA, V.P.

Resistance of vectors to insecticides according to data of the
World Health Organization. Med. paraz. i paraz. bol. 28 no.6:737-
741 N-D '59. (MIRA 13:12)
(INSECTS AS CARRIERS OF DISEASE) (INSECTICIDES)

DERBENEVA-UKHOVA, V. P.

"Some Data on the Development and Loss of Insecticide Resistance
in *Musca Domestica* L."

report presented at the Intl. Congress of Entomology,
Vienna, Austria, 17-25 Aug. 1960

BEKLEMISHEV, V.N., prof., red.; DERBENEVA-UKHOVA, V.P., prof., red.

[Resistance of arthropods to insecticides] Ustoichivost' chlenisto-
nogikh k insektitsidam. Pod red. V.N.Beklemisheva i V.P.Derbenevoi-
Ukhovoi. Moskva, 1960 255 p. (MIRA 14:6)

1. Institut meditsinskoy parazitologii i tropicheskoy meditsiny im.
Ye.I.Martynovskogo. 2. Deystivitel'nyy chlen AMN SSSR (for Bekle-
mishev) 3. Institut meditsinskoy parazitologii i tropicheskoy me-
ditsiny im. Ye.I.Martynovskogo (for Derbeneva-Ukhova)
(RESISTANCE TO INSECTICIDES)

SERGIYEV, P.G., prof., red.; SMIRNOV, Ye.S., prof., red.;
DERBENEVA-UKHOVA, V.P., prof., red.; DETINOVA, T.S., doktor
biol. nauk, red.; LANGE, A.B., kand. biol. nauk, red.;
OSIPOVA, L.S., red.

[Problems of general zoology and medical parasitology] Voprosy
obshchei zoologii i meditsinskoy parazitologii. Moskva, Medgiz,
1962. 610 p. (MIRA 16:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Sergiyev). 2. Kafedra entomologii Moskovskogo gosudarstvennogo
universiteta (for Smirnov, Lange). 3. Institut meditsinskoy pa-
razitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo
(for Derbeneva-Ukhova, Detinova).

(ZOOLOGY) (PARASITOLOGY)
(BEKLEMISHEV, VLADIMIR NIKOLAEVICH, 1890-)

ARZAMASOVA, Z.A., kand.biologicheskikh nauk; GEL'BERGER, M.G., kand. biologicheskikh nauk; DERBENEVA-UKHOVA, V.P., prof.; ZAKHAROVA, N.F., nauchnyy sotrudnik; KIRPICHNIKOV, A.A., kand.tekhn.nauk.

Mechanized biothermic decontamination of refuse. Gig. i san.28
no.13-17 Ja'63. (MIRA 16:7)

1. In Akademii kommunal'nogo khozyaystva imeni K.D.Pamfilova.
(REFUSE AND REFUSE DISPOSAL)

LINEVA, V. A.; DERBENEVA-UKHOVA, V. P.

"Effect of low doses of insecticide upon the development of DDT-resistance in *Musca Domestica* (Diptera)."

report submitted for 12th Intl Cong of Entomology, London, 8-16 Jul 64.

DERBENEVA-UKHOVA, V.P.; LINEVA, V.A.; ZAKHAROVA, N.F.; TIMOSHKOV, V.V.;
POLIKARPOV, B.V.

Entomological prerequisites for the elaboration of sanitary measures in animal husbandry and vegetable-growing farms of the central zone of the Soviet Union. Med. parazit. i parazitolog. bol. 33 no.1:3-9 Ja-F '64 (MIRA 18:1)

1. Otdel entomologii (zav. - prof. V.P. Derbeneva-Ukhova) Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo (direktor - prof. P.G. Sergiyev) Ministerstva zdravookhraneniya SSSR, i parazitologicheskii otdel (zav. - A.S. Stepanko) Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach - M.S. Sokolovskiy).

DERBENOV, B.S.; ISTOMIN, B.P.

Accuracy in the determination of the wind by the radiometeo-
rological station "Meteor". Meteor. i gidrol. no. 6:46-48
Je '64 (MIRA 17:8)

DERBENOV, S.I., glavyy inzhener.

Types of retting plants. Tekst. prom. 16 no.8:7-8 Ag '56.
(MLRA 9:10)

(Flax) (Retting)

36947
S/142/61/004/006/012/01
E192/E382

9.4150

AUTHORS: Taranenko, V.P. and Derenovskiy, M.V.

TITLE: Choice of the shape of collector electrodes of the O-type cathode-ray devices operating with electron-energy recuperation

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 4, no. 6, 1961, 719 - 721

TEXT:

The efficiency of cathode-ray tubes based on the principle of longitudinal interaction can be increased by slowing down the electrons in the collector region, where the electrons from the transit portion of the slowing-down system impinge on the collector whose potential U_K is considerably lower than that of the slowing-down system (U_2). The choice of a suitable electrostatic collector lens is of importance since the normal operation of devices with low secondary-emission currents and high efficiency is largely dependent on it. The electrode and forming the collector lens should have adequate electric

S/142/61/004/006/012/017
E192/E382

Choice of the shape of

and the strength and the size of the transit aperture/distance between the electrodes should be such that the secondary emission from the collector is very low. During the design of a collector lens with anti-dynatron electrode coating (molybdenum disilicide, tantalum carbide, etc.) it was found that the effective reduction of the secondary emission was achieved by introducing a suppressor ring kept at a potential of $0.05 U_K$ at the input of the collector. The system is illustrated in Fig. 3, where 1 is the suppressor ring, 2 is a mica insulator and 3 is the boundary of the electron beam. Further improvement can be secured by adopting the system shown in Fig. 5, where 1 is the suppressor, 2 is the mica insulator, 3 is the collector, 4 is the trajectory of fast electrons and 5 is the trajectory of slow electrons. The suppressor ring in Fig. 5 eliminates the slow electrons reflected from the transit channel. There are 5 figures.

Card 2/3

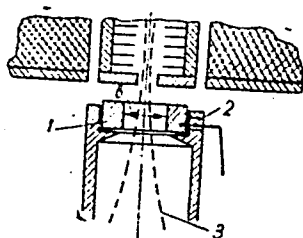
Choice of the shape of

S/142/61/004/006/012/017
E192/E382

ASSOCIATION: Kafedra radioperedayushchikh ustroystv
Kiyevskogo ordena Lenina politekhnicheskogo
instituta (Department of Radio-transmitting
Devices of the Kiyev Order of Lenin
Polytechnical Institute)

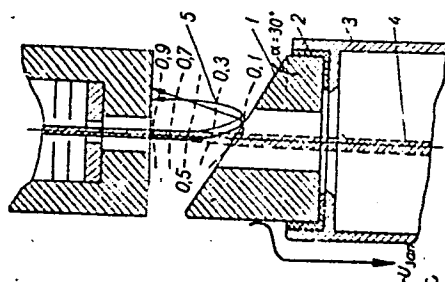
SUBMITTED: January 14, 1961

Fig. 3:



Card 3/3

Fig. 5:



L 47173-66 EWT(1)/EWP(m) WW

ACC NR: AP6032399

SOURCE CODE: UR/0198/66/002/009/0124/0127

AUTHOR: Derbentsev, D. A. (Kiev)

60
B

ORG: Institute of Mechanics, AN SSSR (Institut mekhaniki AN SSSR)

TITLE: Oscillations of a supersonic gas flow in a channel of finite length with oscillating walls

SOURCE: Prikladnaya mekhanika, v. 2, no. 9, 1966, 124-127

TOPIC TAGS: supersonic flow, pressure distribution, shock wave reflection, flow parameter, potential flow, isentropic flow

ABSTRACT: The purpose of this investigation is to determine the pressure distribution on the walls of a cylindrical channel of finite length whose walls oscillate according to a certain law, in the case of supersonic gas flow. The effect of shock wave reflection from the axis is taken into account and the flow is assumed to be potential and isentropic. A linearized equation of small axisymmetric oscillations of gas with respect to perturbation potential ϕ_1 is analyzed and boundary conditions are established. The pressure on the oscillating wall is determined by substituting the obtained value of ϕ_0 in the expression for pressure inside the flow. An example is considered where the oscillations of the wall are expressed by the formula

$$w = e^{i\omega t} \omega_n \sin \frac{\pi n}{l} x.$$

Card 1/2

L 47173-66

ACC NR: AP6032399

It is shown that flow parameters are described by functions whose degree of smoothness depends on conditions at the channel entrance; if $w(0) = 0$ or $dw/dx|_{x=0} = 0$, the rate of perturbations and the pressure have discontinuities of the first kind at points where the first reflected wave (weak shock wave) arrives at the wall. The flow loses "static" stability when a certain correlation exists between the Mach number, wavelength, and frequency of wall oscillations. Orig. art. has: 18 formulas. [AB]

SUB CODE: 20/ SUBM DATE: 21Mar66/ ORIG REF: 002/ OTH REF: 001/ ATD PRESS: 5091

Card 2/2 blg

DERBENTSEN, F. F.

5

Manufacture of insulating building material from flax scutch. E. F. Derbentsan, N. A. Derbentsava, D. M. Kaplan, and I. A. Vlasova. *Vestnik Akad. Nauk Belarus. S.S.R.* 1952, No. 1, 55-62 (in White Russian).—A fiber-free flax scutch contains (on dry basis) ash 1.53, alc.- and C₁₂H₂₂O₁₁-extractable substances 1.97, pentosans 18.42, hexosans 2.50, 2% HCl-sol. nonhydrolyzable carbohydrates (mostly cellulose) 48.73, lignin 24.28, and proteins, pigments, and other nonreducing substances 2.59%. For the manuf. of insulating plates, the scutch was ground and chemically treated, giving a material contg. (on dry basis) ash 4.0, Et₂O- and C₆H₆-sol. substances 5.8, water-sol. substances 1.3, cellulose 53.0, pentosans 15.0, and lignin 18.0%, resp. The plates possess a low water- and moisture-absorbing capacity and readily release absorbed moisture on drying. E. Wierbicki

DERBENTSEV, F.F., kand. khim. nauk.

Using common reed in the paper and woodpulp industry (to be continued). *Bum. prom.* 33 no.3:4-5 Nr '58. (MIRA 11:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy i bumazhnoy promyshlennosti.
(Reed (Botany)) (Paper industry)

DERBENTSEV, F.F., kand.khim.nauk; KHNYFETS-POLISSKAYA, P.B.

Using reeds in the woodpulp and paper industry. Dum. prom. 33
no.5:14-15 My '58. (MIRA 11:6)

1.Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy i
bumazhnoy promyshlennosti.

(Reed (Botany)) (Paper industry) (Woodpulp industry)

DERBENTSEV, F.F.; KHEYFETS-POLISSKAYA, P.B.

Use of reed in the woodpulp and paper industry. Bum.prom. 33
no.11:9-12 N '58. (MIRA 13:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy i
bumazhnoy promyshlennosti.
(Reed (Botany)) (Woodpulp)

DERBENTSEV, F.F., kand. khim. nauk.

Plant for producing fiber blocks made with refuse from dressed
flax. Stroi. mat. 5 no.1:40 Ja '59. (MIRA 12:1)
(Building blocks)

DERBENTSEV, F.F., kand.khim.nauk; KHEYFETS-POLISSKAYA, P.B.

Utilization of reeds in the wood pulp and paper industry. Bum.
prom. 34 no.2:9-10 P '59. (MIRA 12:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy
i bumazhnoy promyshlennosti. (Woodpulp)
(Reed (Botany))

DERBENTSEV, F.F., kand.khio.nauk; GRISHANOV, A.F., inzh.

Preparing reeds (*Phragmites communis trinuis*) for transportation, storage, and processing. Bum.prom. 34 no.9:
20-22 S '59. (MIRA 13:2)
(Reed (Botany))

MILOV, B.G., doktor tekhn.nauk; DERBENTSEV, F.F., kand.khim.nauk;
BLINOV, Ye.I., inzh.

Woodpulp and paper industry of the Hungarian People's Re-
public. Bum.pron, 35 no.3:27-29 Mr '60.

(MIRA 13:6)

(Hungary--Woodpulp industry)
(Hungary--Paper industry)

DERBENTSEV, F.F. [Derbentsau, F.F.], kand.khim.nauk; SHISHKO, A.M. [Shyshko, A.M.], inzh.; DERBENTSEVA, N.A. [Derbentsava, N.A.], kand.khim.nauk

Use of cellulose from boon fiber waste of linen factories. Vestsi
AN BSSR. Ser.fis.-tekh.nav. no.3:51-60 '60. (MIRA 13:9)
(Flax) (Cellulose)

DERBENTSEV, F.F.

Morphological and chemical composition of reed pulp. Bum.
prom. 36 no.10:6-8 0 '61. (MIRA 15:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy
i bumazhnoy promyshlennosti.

(Cellulose)
(Paper industry)

DERBENTSEV, F.F.

"Die komplexe verarbeitung von schilf und stroh mit saurer vorhydrolyse zur herstellung von produkten der zellstoff-und papierindustrie und nahrhefe."

Report submitted to the 4th Technical Scientific Conf. of the Technical Association of the Paper and Polygraphic Industry.
Budapest, Hungary 23-26 Oct 1962

DERBENTSEV, YU. I

AUTHORS: Balandin, A. A., Isagulyants, G. V., Popov, Ye. I., 62-2-18/28
Derbentsev, Yu. I., Vinogradov, S. L.

TITLE: The Application of Radioactive Carbon for the Investigation
of the Dehydration Mechanism of Ethyl Alcohol Over Aluminum
Oxide (Primeneniye radioizotopov dlya issledovaniya mekhan-
izma degidratsii etilovogo spirita nad okis'yu alyuminiya).

PERIODICAL: Izvestiya AN SSSR Otdeleniye Khimicheskikh Nauk, 1958, Nr 2,
pp. 233-235 (USSR).

ABSTRACT: The problem of the above-mentioned dehydration mechanism has
long been discussed in publications. Various authors assume
that the formation of ethylene takes place over the stage of
the formation of the diethyl ether. Others, however, think
that ethylene and ethers form as a result of 2 independent
parallel reactions. For the purpose of solving this problem
the authors performed the dehydration of ethylene alcohol with
addition of diethyl ether. See formulae (2),(3),(4). As the
final result of the performed reactions showed, alcohol,
ether and ethylene possess a specific radioactivity (see
figure 1). The authors determined: the dehydration velocity
of ethyl alcohol and ether in ethylene as well as the common

Card 1/2

The Application of Radioactive Carbon for the Investigation of the Dehydration Mechanism of Ethyl Alcohol Over Aluminum Oxide. 62-2-13/28

conversion of alcohol and ether over aluminum oxide at 300° C. They found that ethylene forms in two different ways: directly from alcohol, and over ether. There are 2 figures, 1 table, and 8 references, 6 of which are Slavic.

ASSOCIATION: Institute for Organic Chemistry AN USSR imeni N.D. Zelinskiy (Institut organicheskoy khimii imeni N.D. Zelinskogo Akademii nauk SSSR).

SUBMITTED: September 21, 1957

AVAILABLE: Library of Congress

1. Carbon Isotopes (Radioactive)-Applications
2. Ethanol-Dehydration
3. Aluminum oxide-Applications

Card 2/2

33492

S/195/61/002/005/017/027
EO30/E185

11.0132

AUTHORS: Derbentsev, Yu. I., Balandin, A. A., and Isagulyants, G. V.

TITLE: Investigation of the role of cyclohexene in the heterogeneous catalytic dehydrogenation of cyclohexane, using radiocarbon

PERIODICAL: Kinetika i kataliz, v.2, no.5, 1961, 741-747

TEXT: The dehydrogenation of cyclohexane on chromia and rhenium catalysts has been studied, using C¹⁴. Chromia was chosen as an oxide catalyst, favourable for doublet dehydrogenation, and rhenium as a metallic catalyst suitable for a sextet dehydrogenation, where the conversion rate of cyclohexene by this process is negligible. The chromium oxide in 2-mm pellets was obtained from ammonium bichromate. Before every experiment the rhenium catalyst, prepared by the method previously described (Ref.8: A.A. Balandin, Ye.I. Karpeyskaya, A.A. Tolstopyatova, Zh. fiz. khimii, v.33, 2471, 1959) was kept for one hour in hydrogen at 480 °C. A continuous flow reactor was used, with varying initial concentrations of cyclohexane (obtained by hydrogenation of benzol),
Card 1/3

33492

Investigation of the role of

S/195/61/002/005/017/027
E030/E185

benzol, and marked cyclohexene (activity 470 pulses/minute mg BaCO₃) obtained from C¹⁴ marked phenol. The catalysates were analysed chromatographically on a 7m long spiral column of diatomaceous earth, of which the first half was impregnated with dinonylphthalata, and the second half with dioctylsebacate; the outlet from the column was led either to a thermal conductivity detector or for quantitative analysis to a bubbler with obaryta water, in order to obtain barium carbonate. The radioactivity of targets made from this carbonate was measured with an end window counter, and samples taken after 15 min. On the chromia catalyst, benzole was formed by a parallel-consecutive process; conversion of cyclohexane into benzole is 1.5 times faster than the conversion of cyclohexene; a considerable part being formed from adsorbed and desorbed cyclohexene and it is obviously a doublet mechanism of dehydrogenation. On the rhenium catalyst, there is no consecutive process at all and cyclohexane is converted directly into benzole by a sextet mechanism. The differing behaviour on the two types of catalyst is striking; on chromia it is dehydrogenated to benzole, but on rhenium it is

Card 2/3

X

33492

Investigation of the role of

S/195/61/002/005/017/027
E030/E185

hydrogenated back to cyclohexane. Acknowledgments are expressed to Ye.I. Karpeyskiy for the rhenium catalyst. Ye.N. Komarova and V.S. Livshits participated in the tests. There are 5 figures, 4 tables and 20 references; 15 Soviet-bloc and 5 non-Soviet-bloc. The four most recent English language references read as follows:

Ref. 3: H.H. Long, J.C.W. Frazer, E. Ott,
J. Amer. Chem. Soc., v. 56, 1101, 1934.

Ref. 4: P.H. Emmett, N. Skau,
J. Amer. Chem. Soc., v. 65, 1029, 1943.

Ref. 11: H.S. Taylor, J. Amer. Chem. Soc., v. 60, 627, 1938.

Ref. 13: E.F.G. Herington, E.K. Rideal,
Proc. Roy. Soc., London, v. A190, 289, 1947.

ASSOCIATION: Institut organicheskoy khimii im. N.D. Zelinskogo
AN SSSR
(Institute of Organic Chemistry imeni
N.D. Zelinskiy, AS USSR)

Card 3/3

ISAGULYANTS, G.V.; RYASHENTSEVA, M.A.; DERBENTSEV, Yu.I.; MINACHEV, Kh.M.;
BALANDIN, A.A.

Role of cyclohexene in the dehydrogenation and isomerization
of cyclohexane under conditions of reforming. Neftekhimiya 4
no.2:229-235 Mr-Ap'64 (MIRA 17:8)

1. Institut organicheskoy khimii AN SSSR imeni Zelinskogo.

ISAGULYANTS, G.V.; BALANDIN, A.A.; POPOV, Ye.I.; DERBENTSEV, Yu.I. (Moscow)

C^{14} tracer study of the dehydration mechanism of ethyl alcohol
on aluminum oxide. Zhur. fiz. khim. 38 no.1:20-27 Ja'64.

(MIRA 17:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

DERBENTSEV, Yu.I.; MARKOV, M.A.; ISAGULYANTS, G.V.; MINACHEV, Kh.M.;
BALANDIN, A.A., akademik; Primala uchastiye SHCHUKINA, O.K.

Mechanism of cyclohexane dehydrogenation over holmium oxide studied
with the use of radiocarbon C^{14} . Dokl. AN SSSR 155 no.1:128-131
Mr '64. (MIRA 17:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

ISAGULYANTS, G.V.; DERBENTSEV, Yu.I.; KLABUNOVSKIY, Ye.I.; BALANDIN, A.A.

Mechanism underlying the catalytic dehydration of 2-butanol
on the surface of aluminum oxide. Izv. AN SSSR. Ser. khim.
no.6:985-990 Je '64. (MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

ISAGULYANTS, G.V.; RYASHENTSEVA, M.A.; DERBENTSEV, Yu.I.; MINACHEV,
Kh.M.; BALANDIN, A.A.

Mechanism of cyclane isomerization on bifunctional catalysts.
Izv. AN SSSR. Ser. khim. no.8:1555-1556 Ag '64.

(MIRA 17:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

DERBENTSEV, Yu.I.; ISAGULYANTS, G.V.; BALANDIN, A.A.

Study of the mechanism of alcohol and ether dehydration over an
aluminopotassium sulfate catalyst using radiocarbon C-14. Zhur.
fiz. khim. 39 no.10:2611-2614 0 '65.

(MIRA 18:12)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.
Submitted August 27, 1964.

CA

REL. 10/11/11, V. 11

11-10

Relation between odor and chemical structure. N. A. Derbeneva. *Izvest. Akad. Nauk Beloruss. S.S.R.* 1968, No. 2: 216-26.—The following conclusions are deduced from the following expl. work: Esters of cinnamic acid have pleasant odors and can be used as food flavorings. Increase of the size of the alk. group in such esters weakens odor and alters its character; esters with iso-radicals have stronger odors than n-alkyl esters, and do esters with double bonds in the alk. radical. A keto group increases odor intensity but does not alter its character. Nitration of the ring causes no significant changes in odor character, but the position of the nitro group alters the intensity. Refluxing cinnamic acid (1) with MeOH in the presence of H₂SO₄ 8 hrs. gave the Me ester, m. 38.5°, in 81.4% yield; Et ester, bp 142°, d₄ 1.0490, n_D²⁰ 1.5589, obtained similarly in 20.0% yield; Pr ester, bp 148°, d₄ 1.0490, n_D²⁰ 1.5510, prepd. similarly in 70.3% yield; iso-Pr ester, bp 153-5°, d₄ 1.0520, n_D²⁰ 1.5455, prepd. in 38.9% yield; Bu ester (37.4%), bp 177-8°, d₄ 1.0270, n_D²⁰ 1.5455; iso-Bu ester (37.4%), bp 154°, d₄ 1.0170, n_D²⁰ 1.5329; iso-Am ester (45.2%), bp 182-3°, d₄ 0.9899, n_D²⁰ 1.5355; heptyl ester (56.4%), bp 200-7°, d₄ 0.9859, n_D²⁰ 1.5291; octyl ester (37%), bp 180-1°, d₄ 0.9719, n_D²⁰ 1.5218; allyl ester (15.7%), bp 161°, d₄ 1.018, n_D²⁰ 1.530, is best made by very careful addn. of the ingredients at the

start of the prepn. 1 in EtOH was treated with excess AgNO₃ soln. and the soln. treated with dry NH₃ until soln. occurred, let stand 12 hrs., evapd. in vacuo and the residual Ag salt of 1 was dried in vacuo after washing with EtOH and H₂O; the salt (4 g.) and 4 g. HgCl₂Ac in EtOH heated in sealed tube 12 hrs. gave 71.9% o-nitro cinnamate, m. 48° (from EtOH). To 12 g. 1 was added at 3-5° 60 g. fuming HNO₃ (d. 1.48) over 1 hr., then dil. with H₂O, yielding 13.4 g. nitrated product. This in iso-PrOH satd. with dry HCl and heated at reflux 2.5 hrs. gave the iso-Pr ester of the p- and o-isomers; on cooling, the p-isomer solidified; after washing with NH₄OH and EtOH to remove the o-isomer, the pure isopropyl p-nitrocinnamate, m. 134.5° was obtained (from EtOH). On standing, the mother liquor yields the o-isomer, m. 52° (from EtOH). The residues can be worked up by treatment with CS₂ which dissolves isopropyl o-nitrocinnamate very readily, leaving behind the free nitrocinnamic acid. Hydrolysis of the esters gave p-

nitrocinnamic acid, m. 275°, and o-isomer, m. 227°. The ratio of p-o isomers is about 3:1. G. M. K.

DERBENTSEVA, N.A.

22351-Derbentseva, N.A. O Molibdenovom Metode Opredeleeniya Ketosakharov.
Izvestiya Akad. Nauk. BSSR, 1949, No. 3, S. 141-51.-Bibliogr: 6 NAZV.

SO: Letopis' No. 30 1949

DERBENTSEVA, N. A.

28974 N avshnaya deyate L'nost' professora V. V. Pervozvanskogo. (Biokhimik
Ko 2-y godovshchine so diya smerti). Izvestiya Akad. Navk BSSR, 1949,
No. 4, S. 169-74 Bibliogr: (Trudy V. V. Pervosvanskogo), 20 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39 Moskva, 1949

DER BENTSEVA, N.A.

5

Manufacture of insulating building material from flax scutch. E. F. Derbentsan, N. A. Derbentsaya, D. M. Kaplan, and I. A. Vlasova. Vestn. Akad. Nauk Belarus. S.S.R. 1952, No. 1, 86-89 (in White Russian).—A fiber-free flax scutch contains (on dry basis) ash 1.53, alc.- and C₆H₅-extractable substances 1.97, pentosans 18.42, hexosans 3.50, 2% HCl-sol. nonhydrolyzable carbohydrates (mostly cellulose) 48.73, lignin 24.28, and proteins, pigments, and other nonreducing substances 2.59%. For the manuf. of insulating plates, the scutch was ground and chemically treated, giving a material contg. (on dry basis) ash 4.0, Et₂O- and C₆H₅-sol. substances 5.8, water-sol. substances 1.3, cellulose 59.0, pentosans 15.0, and lignin 16.0%, resp. The plates possess a low water- and moisture-absorbing capacity and readily release absorbed moisture on drying. B. Wierbicki

PEROENI SEVAJITR

The chemical composition and bactericidal properties of Estonian medicinal mud. N. A. Derzhavskaya and A. M. Klovayeva. *Izv. Akad. Nauk SSSR Ser. Khim. Nauk*, 1963, No. 1, 122-33 (1963). The Klapside medicinal mud contains a high proportion of org. matter, of which humic acids form up to 22%. The content of the readily hydrolyzable carbohydrates is 1-10 times that of the difficultly hydrolyzable carbohydrates; this is an important factor in the biochem. properties of the mud. The microb. action of the mud is increased by thermal treatment. The bactericidal action of the mud on pathogenic organisms is high, but increases with heat treatment. The materials of the mud with org. solvents are strongly bactericidal. A. Stenberg.

ml
1
Clon

DERBENTSEVA, N.A.

BENIN, G.S.: DERBENTSEVA, N.A.

Quantitative determination of carbohydrates in sugar products
by means of paper chromatography. Sakh.prom.31 no.9:58-61
S '57. (MIRA 10:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy svezky.
(Sugar---Analysis and testing) (Carbohydrates---Analysis)
(Chromatographic analysis)

DERBENTSEVA, M.A.; RABINOVICH, A.S. [Rabinovich, A.S.]; AYZENMAN, B.Ye.
[Aizenman, B.IU.]; ZELNEFKHA, S.I.; MANDRIK, T.P. [Mandryk, T.P.];
SHVAYGER, M.O. [Shvaiher, M.O.]

Antimicrobial substances of *Hypericum perforatum*. Mikrobiol.zhur.
21 no.5:52-57 '59. (MIRA 13:2)

1. Iz Instituta mikrobiologii AN USSR.
(ANTISEPTICS pharmacol.)
(PLANTS MEDICINAL pharmacol.)

DERBENTSEV, F.F. [Derbentsau, F.F.], kand.khim.nauk; SHISHKO, A.M. [Shyshko, A.M.], inzh.; DERBENTSEVA, N.A. [Derbentsava, N.A.], kand.khim.nauk

Use of cellulose from boon fiber waste of linen factories. Vestsi
AN BSSR. Ser.fiz.-tekh.nav. no.3:51-60 '60. (MIRA 13:9)
(Flax) (Cellulose)

DERBENTSEVA, N.A.; RABINOVICH, A.S. [Rabinovycg, A.S.]; ZELEPUKHA, S.I.

Properties of antibacterial substances from *Hypericum perforatum*
L. Dop. AN URSR no.6:833-835 '60. (MIRA 13:7)

1. Institut mikrobiologii AN USSR. Predstavleno akademikom AN
USSR V.G. Drobot'ko [V.H. Drobot'ko].
(St.-John's-Wort)

DERBENTSEVA, N.A., RABINOVICH, A.S. [Rabinovych, A.S.]; ZELEPUKHA, S.I.

Imanin A, a new antibacterial preparation from *Hypericum perforatum*
L. Farmatsev. zhur. 15 no.1:45-46 '60. (MIRA 14:5)
(BACTERICIDES)

DERBENTSEVA, N.A.; RABINOVICH, A.S.; ZELEPUKHA, S.I.

Nature of antimicrobial substances from the common St.-John's-Wort (*Hypericum perforatum* L.). Report No.2: Effect of photosensitizing agents on the antibacterial activity of novoimain. Farmatsev. zhur. 17 no.1:54-57 '62. (MIRA 15:6)

1. Institut mikrobiologii AN USSR. (ST.-JOHN'S-WORT) (BACTERICIDES)

MALASHENKO, Ym. R.; DERBENTSEVA, N. A.

All-Union conference on methods for isolating, purifying and
identifying natural substances. Mikrobiol. zhur. 23 no.3:73-75
'61. (MIRA 15:7)

(BIOLOGICAL PRODUCTS)

DERBENTSEVA, N.A.; MATVEYENKO, S.A. [Matvienko, S.O.]; OMEL'CHUK, T.Ya.

Antimicrobial activity of preparations from some sage species.
Mikrobiol. zhurn. 27 no.3:76-80 '65. (MIRA 18:6)

I. Institut mikrobiologii i virusologii AN UkrSSR i Institut
botaniki AN UkrSSR.

L 44214-66 EWT(m)/EWP(t)/ETI IJP(s) JD/WW/JG
ACC NR: AP6013472 SOURCE CODE: UR/0139/66/000/002/0177/0179

AUTHOR: Dereberya, N.A.

ORG: Ukrainian Polygraphical Institute imeni Iv. Fedorov (Ukrainskiy poligraficheskiy institute)

TITLE: Temperature dependence of the resistance in sintered ZrO_2 with Cu_2O impurity 66
B
27-27

SOURCE: IVUZ. Fizika, no.2, 1966 177-179

TOPIC TAGS: thermistor, high temperature material, zirconium compound, temperature dependence, specific resistance, refractory oxide, semiconducting material

ABSTRACT: The temperature dependence of the specific resistance and of the thermal coefficient of resistance in highly refractory (2800C) ZrO_2 with a Cu_2O impurity was investigated by mixing powdered ZrO_2 and Cu_2O oxides in various ratios compacting them into pellets under pressure of 4-10 ton/cm². The samples were placed in quartz tubes and sintered in a silicon furnace at temperatures of 1000-1200C for 1-12 hrs. Platinum clamped contacts were used for the resistance measurements. It was found that the initial specific resistance decreases as the amount of Cu_2O impurity in the sample increases. It was observed, however, that even at about 500-800C, the differences between the specific resistances of samples begin to become smaller for various amounts of

L 44214-66

ACC NR: AP6013472

CuO_2 impurities. The introduction of the Cu_2O into the ZrO_2 aids in sintering it at comparatively low temperatures. This makes it possible to obtain a semiconductor material with prefixed amount of specific resistance. Samples with a 0.5% Cu_2O impurity the 500—900C temperature range have sufficiently high quantity of activation energy 1.52 ev). Thermal coefficient of resistance of the samples with 4 and 15% Cu_2O up to 800-1000C is not less than 1% deg. The investigations proved that sintered ZrO_2 with Cu_2O can be used for manufacturing thermo sensitive resistors for higher temperatures, e.g., from 300 to 1000C. Orig. art. has: 3 figures and 2 tables.

SUBCODE: 20// SUBM DATE: 05Jan65/ ORIG REF: 011/ OTH REF: 001

rrCord 272 JS

[KM]

TUYEZOVA, Nina Aleksandrovna; Prinsipali uchastiye: DEMINA, R.G.; BRYUZGINA, N.I.; ROSTOVTSEV, N.N., glavnyy red.; GURARI, F.G., zamestitel' glavnogo red.; UMANTSEV, D.F., red.; DERBIKOV, I.F., red.; KAZARINOV, V.P., red.; KALUGIN, A.S., red.; KOLOBKOV, M.N., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P., red.; BOTVINNIKOV, V.I., red.; BUDNIKOV, V.I., red.; BOGOMYAKOV, G.P., red.; SURKOV, V.S., red.; SUKHOV, S.V., red.; BOCHAROVA, N.I., red.

[Physical properties of rocks in the West Siberian Plain.]
Fizicheskie svoistva gornykh porod Zapadno-Sibirskoi nizmennosti.
Moskva, Nedra, 1964. 127 p. (Sibirskii nauchno-issledovatel'skii
institut geologii, geofiziki i mineral'nogo syr'ia. Trudy, no.31).
(MIRA 18:7)

DERBIKOV, I. V.

DERBIKOV, I. V.

Elements of tectonics of the Ural-Siberian geosyncline region, Trudy
Gor.-geol. inst. Zap.-Sib. fil. AN SSSR no.15:21-25 '56. (MIRA '11:1)
(Ural Mountain region--Geology, Structural)
(Siberia, Western--Geology, Structural)

DERBIKOV, I.V.

DERBIKOV, I.V.

Sulfide ore mineralization in the Kolyvan'-Tomsk fold zone in the light of two hypotheses of the hydrothermal genesis of polymetallic ore deposits. Izv.Vost.fil.AN SSSR no.7:3-14 '57. (MIRA 10:10)

1. Sibirskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta Geofizika.

(Altai Territory--Ore deposits)

DERBIKOV, I.V.

POSPELOV, G.L., starshiy nauchnyy sotrudnik; LAFIN, S.S.; BELOUS, N.Kh.;
 KLYAROVSKIY, V.M.; KINE, O.G.; VAKHRUSHEV, V.A.; SHAPIRO, I.S.,
 starshiy nauchnyy sotrudnik; KALUGIN, A.S.; MUKHIN, A.S.; GARNETS,
 N.A.; SPEYF, Yu.A.; SELIVESTROVA, M.I.; RUTKEVICH, V.G.; BYKOV, G.P.;
 NIKONOV, N.I.; SAKOVICH, K.G.; MEDVEDKOV, V.I.; ALADYSHKIN, A.S.;
 PAN, F.Ya.; HUSANOV, M.G.; YAZBUTIS, E.A.; ROZHDESTVENSKIY, Yu.V.;
 SAVITSKIY, G.Ye.; PRODANCHUK, A.D.; LYSENKO, P.A.; LEBEDEV, T.I.;
 KAMENSKAYA, T.Ya.; MASLENNIKOV, A.I.; PIPAR, R.; DODIN, A.I.;
 MITROPOL'SKIY, A.S.; LUKIN, V.A.; ZIMIN, S.S.; KOREL', V.G.;
 DERBIKOV, I.V.; BARDIN, I.P., akademik, nauchnyy red.; GOBBACHEV,
 T.F., nauchnyy red.; YEROFEYEV, N.A., nauchnyy red.; NEKRASOV, N.N.,
 nauchnyy red.; SKOBNIKOV, M.I., nauchnyy red.; SMIRNOV-VBRIN, S.S.,
 nauchnyy red. [deceased]; STRUMILIN, S.G., akademik, nauchnyy red.;
 KHLEBNIKOV, V.B., nauchnyy red.; CHINAKAL, N.A., nauchnyy red.;
 SLEDZYUK, P.Ye., red.toma; SOKOLOV, G.A., red.toma; BOLDYREV, G.P.,
 red.; VOGMAN, D.A., red.; KASATKIN, P.F., red.; KUDASHEVA, I.G.,
 red.izd-va; KUZ'MIN, I.F., tekhn.red.

[Iron-ore deposits of the Altai-Sayan region] Zhelezorudnye mesto-
 rozhdeniia Altae-Saianskoi gornoj oblasti. Vol.1. Book 1. [Geology]
 (Continued on next card)

POSPELOV, G.L.---(Continued) Card 2.

Geologia. Otvetstvennyi red. I.P. Bardin. Moskva. 1958. 330 p.
(MIRA 12:2)

1. Akademiya nauk SSSR. Mezhdovedomstvennaya postoyannaya komissiya po zhelezu.
2. Postoyannaya mezhdovedomstvennaya komissiya po zhelezu Akademii nauk SSSR (for Pospelov, Shapiro, Sokolov).
3. Zapadno-Sibirskiy filial Akademii nauk SSSR (for Vakhrushev, Pospelov.)
4. Zapadno-Sibirskoye geologicheskoye upravleniye (for Sakovich).
5. Krasnoyarskoye geologicheskoye upravleniye (for Pan).
6. Zapadno-Sibirskiy geologorazvedochnyy trest Chernotrazvedka (for Prodanchuk).
7. Sibirskiy geofizicheskiy trest (for Pipar).
8. Vsesoyuznyy geologicheskii nauchno-issledovatel'skiy institut (for Dodin).
9. Gornaya ekspeditatsiya (for Mitropol'skiy).
10. Gornoye upravleniye Kuznetskogo metallurg.kombinata (for Lukin).
11. Tomskiy politekhnicheskii institut (for Zimin).
12. Sibirskiy metallurg.institut (for Korel').
13. Trest Sibneftegeofizika (for Derbikov). (Altai Mountains--Iron ores) (Sayan Mountains--Iron ores)

DERBIKOV, I. V.: Doc Geolog-Mineralog Sci (diss) -- "The tectonics of the basement and covering of the west Siberian 'epigertsa' platform (west Siberian lowlands) and their interconnection". Tomsk, 1958. 19 pp (Tomsk Order of Labor Red Banner Polytech Inst im S. M. Kirov), 150 copies (KL, No 12, 1959, 126)

DERBIKOV, I.V.; BEN'KO, Ye.I.

Diagram of tectogenetics in the Meso-Cenozoic of the West Siberian
Lowland. Izv. Sib. otd. AN SSSR no.4:29-32 '58. (MIRA 11:9)

I. SNIIGGIMS.

(Siberia, Western--Geology, Structural)

DERB'KOV, I.V.; BEN'KO, Ye.I.

Tectonics of Mesozoic and Cenozoic sediments in the southern part of the West Siberian Plain in the light of the variational analysis of geological and geophysical data. Sov.geol. 2 no.10: 67-80 0 '59.
(MIRA 13:4)

1. Sibirskiy filial nauchno-issledovatel'skogo instituta geofiziki (VNIIGeofizika).
(West Siberian Plain--Geology, Structural)

DERBIKOV, I.V.

More on the conditions governing the formation of pyrite-complex metal deposits. Geol. i geofiz, no.7:136-139 '60. (MIRA 13:9)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya.
(Altai Mountains--(re deposits)

DERBIKOV, I.V.; GRISHIN, M.P.; BEN'KO, M.P.

Brief, critical outline of current concepts of the tectonics of
the mantle and foundation of the Western Siberian Lowland. Trudy
SNIIGIMS no.11:5-28 '60. (MIRA 14:5)
(Siberia, Western--Geology, Structural)

DERBIKOV, I.V.; GRISHIN, M.P.; AGUL'NIK, I.M.

Tectonics of the foundation of the Western Siberian Lowland and the mountains (Paleozoic) forming its borders in the interfluvium to the Ob' and Irtysh Rivers and adjacent areas. Trudy SNIIGGIMS no.11:29-62 '60. (MIRA 14:5)
(Siberia, Western--Geology, Structural)

DERBIKOV, I.V.; AGUL'NIK, I.M.; BEN'KO, Ye.I.; YEKHANIN, Ye.V.; GRISHIN, M.P.;
YUSHIN, V.I.

Tectonics of the Mesozoic and Cenozoic mantle of the Western Siberian
Lowland. Trudy SNIGGIMS no.11:63-155 '60. (MIRA 14:5)
(Siberia, Western--Geology, Structural)

BEN'KO, Ye.I.; DERBIKOV, I.V.

Question of oil and gas prospects. Trudy SNIIGGIMS no.11:156-170
'60. (MIRA 14:5)

(Siberia, Western--Petroleum geology)

BOTVINNIKOV, V.I.; KOLOBKOV, M.N.; KUZNETSOV, K.M.; SHAMANSKIY, I.L.;
DERBIKOV, I.V., red.; MATIS, T.I., red. izd-va; IVANOVA, A.G.,
tekhn. red.

[Mineral raw material supply for building materials in Western
Siberia; geological, technical, and economic characteristics]
Mineral'no-syr'evaia baza stroitel'nykh materialov Zapadnoi Si-
biri; geologo-tekhniko-ekonomicheskaya kharakteristika. Moskva,
Gosgeoltekhizdat, 1961. 102 p. (MIRA 15:6)
(Siberia, Western--Building materials)

DERBIKOV, I.V.

Primary zoning of lithophile elements in iron ore skarn deposits
of Western Siberia. Trudy SNIGGIMS no.6:3-43 '61. (MIRA 15:7)
(Siberia, Western--Silicates) (Siberia, Western--Skarns)

DERBIKOV, I.V.

Dynamic metamorphism of enclosing rocks and complex metal ores
of the Salair Ridge. Trudy SNIGGIMS no.6:75-79 '61. (MIRA 15:7)
(Salair Ridge--Ore deposits)
(Salair Ridge--Metamorphism (Geology))

AKUL'SHINA, Ye.P.; BGATOV, V.I.; GURARI, F.G.; GUROVA, T.I.; DERBIKOV, I.V.;
YEGANOV, E.A.; KAZANSKIY, Yu.P.; KALUGIN, A.S.; KAS'YANOV, M.V.;
KOSOLOBOV, N.I.; KASYGIN, Yu.A.; MIKUTSKIY, S.P.; SAKS, V.H.;
TROFIMUK, A.A.; UMANTSEV, D.D.

Professor Vladimir Panteleimonovich Kazarinov; on his 50th birthday.
Geol. i geofiz. no.3:122-123 '62. (MIRA 15:7)
(Kazarinov, Vladimir Panteleimonovich, 1912-)

DERBIKOV, I.V.; GRISHIN, M.P.; AGUL'NIK, I.M.

Disjunctive tectonics and methods for its detection in the
West Siberian Plain. Trudy SNIIGGIMS no.10:5-14 '69.
(MIRA 15:12)
(West Siberian Plain---Geology, Structural)

LEBEDEV, I.V., otv.red.vypuska; KAS'YANOV, M.V., glavnyy red.;
GURARI, F.G., zamestitel' glavnogo red.; AMSHINSKIY, N.N., red.;
ARUSTAMOV, A.A., red.; DERBIKOV, I.V., red.; KAZARINOV, V.P.,
red.; KALUGIN, A.S., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P.,
red.; ROSTOVTSEV, N.N., red.; SUKHOV, S.V., red.; TESLENKO, Yu.V.,
red.; UMANTSEV, D.F., red.; SAFRONOVA, I.M., tekhn.red.;
RAGINA, G.M., vedushchiy red.

[Biostratigraphy of Mesozoic and Tertiary sediments in Western
Siberia] Biostratigrafiia mezozoiskikh i tretichnykh otlozhenii
Zapadnoi Sibiri. Moskva, Gostoptekhizdat. Vol. 1. 1962. 590 p.
Vol. 2. [Atlas of paleontological plates and their explanations]
Atlas paleontologicheskikh tablits i ob"iasnenia k nim. 1962.
128 plates. (Its Trudy, no.22). (MIRA 17:4)

DERBIKOV, I.V.

Tectonic and paleogeographic factors in complex metal mineralisation in
the Rudnyy Altai. Trudy SNIIGGIMS no.25:119-140 '62. (MIRA 16:4)
(Altai Mountains—Ore deposits)

KAZARINOV, V.P., otv.red.vypuska; ROSTOVTSSEV, N.N., glavnyy red.; SEGAL', Z.G., vedushchiy red.; GURARI, F.G., zamestitel' glavnogo red.; AMSHINSKIY, N.N., red.; DERBIKOV, I.V., red.; KALUGIN, A.S., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P., red.; SUKHOV, S.V., red.; TESLENKO, Yu.V., red.; UMANTSEV, D.F., red.; GAVRILOVA, N.V., red.; SAFRONOVA, I.M., tekhn. red.

[Geology and prospects for finding oil and gas in the northwestern part of the Siberian Platform.] Geologicheskoe stroenie i perspektivy neftegazonosnosti severo-zapada Sibirskoi platformy. Leningrad, Gostoptekhi-zdat, 1963. 183 p. [Trudy Sibirskogo nauchno-issledovatel'skogo instituta geologii, geofiziki i mineral'nogo syr'ya, no.28.] (MIRA 16:11)

СЕРБИКОВ, И.В.

Genesis of iron skarn deposits in Western Siberia; volcanic sedimentary genesis of some deposits in the Kaskaya group. Trudy SNIIGGINS no.35:82-100 '64. (MIRA 18:5)

DERBIN, K.

Utilitarian and decorative models. p. 63.

RACJONALIZATOR. (Centralny Związek Spółdzielczości Pracy) Warszawa.
Vol. 6, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

~~DERBIN~~ L.A.; RYZHKOV, F.I.; ODINTSOVA, L.I., red.; BOL'SHAKOVA, L.A.,
tekh. red.

[Agriculture] Sel'skoe khoziaistvo. [Archangel'sk] Archangel'skoe
khoziaznae izd-vo, 1958. 35 p. (MIRA 11:8)
(Archangel Province--Agriculture)

DERBIN, L.A.

~~Chemical control of shrubs. Zhivotnovodstvo 20 no.5:67-69 My '58.~~
(MIRA 11:5)

1. Arkhangel'skoye oblastnaye upravleniye sel'skogo khozyaystva.
(Arkhangel Province--Pastures and meadows)
(Shrubs) (2,4-D)

BREUSOV, O.N.; PETROVA, L.M.; LYANDUSOV, B.G.; KORSHUNOV, B.G.; DERBIN, M.M.

Apparatus with continuous action for the chlorination of high-melting
metals. Prom.khim.reak. i osobo chist.veshch. no.2:46-48 '63.
(MIRA 17:2)

L 12658-65 EWT(m)/BWA(d)/EWP(t)/IMP(b) ASD(m-)/ASD(d)/AFWL/ESD(ga) RDW/
 NJW/JD/HK
 ACCESSION NR: AT4046118 S/0000/63/000/002/0054/0060

AUTHOR: Breusov, O. N.; Revzin, G. Ye.; Leshchenko, V. V.; Zelentsov, O. P.;
 Durbin, N. M.; Venedubov, N. F.; Makarov, G. I. B

TITLE: Preparation of high-purity tellurium by zone melting and the conversion
 of metal waste to tellurium compounds of reagent purity

SOURCE: USSR. Gosudarstvennyy komitet khimicheskoy i neftyanoy promyshlennosti.
 Promyshlennost' khimicheskikh reaktivov i osobo chistykh veshchestv (Industry
 of chemical reagents and extra pure substances); Informatsionnyy byulleten',
 no. 2. Moscow, IREA, 1963, 54-60

TOPIC TAGS: tellurium, zone melting, selenium, iron, aluminum, sodium, silicon,
 zone refining, tellurium refining

ABSTRACT: The apparatus designed and constructed for preparing high-purity tel-
 lurium by zone melting in an argon atmosphere is illustrated and described in de-
 tail, along with the mechanical drive of the melting pot which makes possible a
 complete automation of the reciprocating movement of the pot during refining. It
 was established that, in principle, high-purity tellurium can be produced directly
 from a technical-grade tellurium by zone melting. The content of impurities in
 the end product is less than 10^{-3} - 10^{-4} %, except for selenium, the content of which
 Card 1/2

L 12658-65

ACCESSION NR: AT4046118

6

is determined by its content in the initial tellurium and amounts to 5×10^{-3} - $2 \times 10^{-2}\%$. It was found that silicon, iron, aluminum and sodium impurities are very poorly removed by zone melting. They must be removed by remelting the initial tellurium, when the above-mentioned impurities pass into the slag. A technological scheme for the complex utilization of the raw material to obtain a T-Al grade tellurium as the main product, and tellurium compounds of commercial purity as by-products, is proposed, and the main technical data for the furnace are given. The initial tellurium T-1 contains about 1% impurities and up to 10-15% tellurium oxides. The most interesting among all tellurium compounds is tellurium trioxide, then, to a lesser extent, tellurium dioxide, telluric acid and tellurium nitrate. The different amounts of impurities found in different samples are tabulated, along with the analytical data for tellurium compounds obtained by processing the waste metal. By using waste metal, the loss of initial tellurium and the cost of the extra-pure tellurium obtained can be reduced considerably. "The tellurium analyses were carried out by V. A. Kuzina, N. G. Shepeto, V. V. Druz', and V. A. Turova." Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 27Nov63

ENCL: 00

SUB CODE: MM

Card 2/2 NO REF SOV: 001

OTHER: 001