

PREOBRAZHENSKIY, V.S.

Main characteristics of a scheme for the physicogeographical
regionalization of the Buryat-Mongolian A.S.S.R. Kraeved. sbor.
no.2:56-71 '58. (MIRA 13:2)
(Buryat-Mongolia--Physical geography)

PREOBRAZHENSKIY, V.S.

Present glaciation of the Kodar Range. Mezhdunar. geofiz. god
no.7:52-56 '59. (MIRA 13:2)
(Kodar Range--Glaciers)

PREOERAZHENSKIY, V. S.

"The Present Glaciation of the Mountains of Northeast Asia"

report to be submitted for the Intl. Geographical Union, 10th General Assembly
and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

PREOBRAZHENSKIY, Y.S.; AVSYUK, G.A., prof., doktor geograf.nauk, otv.red.;
SHCHUKINA, Ye.P., red.; POLENOVA, T.P., tekhn.red.

[Kodar glacier area (Transbaikalia)] Kodarskii lednikovyi raion
(Zabaikal'e). Moskva, Izd-vo Akad.nauk SSSR, 1960. 71 p.
(IX razdel programmy MGG (gliatsiologiya), no.4).

(MIRA 13:12)

(Kodar Range--Glaciological research)

LEONT'YEV, N.F.; MUKHINA, L.I.; OLYUNIN, V.N.; PREOBRAZHENSKIY, V.S.;
FADEYEVA, N.V.

New concepts on the orography of Transbaikalia, Izv. AN SSSR
Ser.geog. no.4:82-88 J1-Ag '60. (MIRA 13:7)

1. Institut geografii AN SSSR.
(Transbaikalia--Mountains)

POPOV, S.D., doktor geologo-miner. nauk, otv. red.; PREOBRAZHENSKIY, V.S.,
kand. geogr. nauk, otv. red.; CHEKMENEV, V.Ye., red.izd-va; KUZ'-
MIN, I.F., tekhn. red.

[Types of landscape and natural regionalization of Chita Province]
Tipy mestnosti i prirodnoe raionirovanie Chitinskoj oblasti. Mo-
skva, Izd-vo Akad. nauk SSSR, 1961. 157 p. (MIRA 14:11)
(Chita Province--Physical geography)

PREOBRAZHENSKIY, V.S., kand.geograf.nauk

Barkhans and hydrolaccoliths of the Chara Valley. Priroda 50
no.5:93-95 My '61. (MIRA 14:5)

1. Institut geografii AN SSSR (Moskva).
(Chara Valley--Sand dunes) (Ice caves)

PREC BRAZHENSKIY, V.S.; FADEYEVA, N.V.; MUKHINA, L.I.

- Taking into account heat and moisture correlation in conducting studies for making medium-scale maps of landforms. Izv. AN SSSR. Ser. geog. no. 4:104-110 J1-Ag '61. (MIRA 14:7)

1. Institut geografii AN SSSR.
(Atmospheric temperature) (Landforms) (Humidity)

PREOBRAZHENSKIY, V.S., kand.geogr.nauk; ZHUKOV, V.M., kand.geogr.
nauk; MUKHINA, L.I., kand.geogr.nauk; NEDESHEV, A.A., kand.
geogr.nauk; ALEKSANDROVA, T.D.; GOVSH, R.K., inzh.; LEYTES, A.M.,
nauchnyy sotr.; CHEKMENEV, V.Ye., red. izd-va; TIKHOMIROVA, S.G.,
tekhn. red.

[Natural conditions of the reclamation of the northern part of
Chita Province] Prirodnye usloviia osvoeniia Severa Chitinskoj
oblasti. Moskva, Izd-vo Akad. nauk SSSR, 1962. 125 p.

(MIRA 15:7)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geografii
Akademii nauk SSSR (for Zhukov, Mukhina). 3. Zabaykal'skiy kom-
pleksnyy nauchno-issledovatel'skiy institut Sibirskogo otdeleniya
(for Nedeshev, Aleksandrova). 4. Zabaykal'skoye upravleniye
Gidrometeorologicheskoy sluzhby (for Govsh). 5. Institut geologii
Akademii nauk SSSR (for Leytes).

(Chita Province--Physical geography)

PREOBRAZHENSKIY, N.I., kand.fiziko-matematicheskikh nauk;
KLEYMAN, G.T., inzh.

Effect of temperature and power supply voltage on the
operational parameters of a noncontact-type transistorized
position indicator. Izv. TSKHA no.3:206-313 '62. (MIRA 15:9)
(Automatic control--Equipment and supplies)

VIGDORCHIK, David Yakovlevich; MAYZEL'S, Petr Borisovich; PREOBRAZHENSKIY,
N.I., nauchnyy red.; ERUSKIN, D.M., ved. red.; YASHCHURZHINSKAYA,
A.B., tekhn. red.

[Gas-burner systems for burning liquefied gas]Gazogorelochnye
ustroistva dlia szhiganiia szhizhnogo gaza. Leningrad, Gos-
toptekhzdat, 1962. 120 p. (MIRA 15:9)
(Liquefied petroleum gas) (Gas burners)

22(1)

AUTHOR: Preobrazhenskiy, N.I., Candidate of Physical and Mathematical Sciences, Docent

TITLE: High Speed Filming in Scientific Research

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 4, pp 6-8; (11A)

ABSTRACT: Speed and high-speed filming permits to show the actual picture of swiftly passing phenomena and to discover details which could not be traced by any other means. Filming often leads to a radical revision of established hypotheses. Films of this kind were utilized by the Chair of Physics of the USSR Institute of Mechanization and Electrification of Agriculture (MIMESKh) for studying the technological processes in the work of agricultural machinery. Four films were made in the operation with the Chairs for Repairing Soil Cultivation and Harvesting Machines. The first film - on the work of a plough - shows how the plough's body, with its working surface, affects the soil. After filming, the author states that the film confirmed his calculations on the working surface of the plough.

Card 1/3

073-14-111

High Speed Filming in Scientific Research

Docent B.M. Shmelev and Assistant I.P. Geronimova, under the supervision of the Member of VASKhNIL V.A. Smolinovskiy, the second film dealt with the pneumatic cotton picker, the construction of which has many imperfections. Under the supervision of Technical Science I.N. Georziyev developed, under the supervision of Member of VASKhNIL I.F. Vasilenko, structural changes in the working organs of the machine and added a special device to shake the shrubs. The third film discloses the technological process of work of corn cob tearing apparatus in 2A corn harvesting machines. The machines used at present require substantial improvement. A high-speed film was taken for a comparative survey of the present corn harvesting machine and of the new one designed in the Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sovkhovov (VNIIES) (All-Union Scientific-Research Institute of Mechanization and Electrification of Sovkhozes) the work was conducted under the supervision of I.F. Vasilenko and Engineer Yu.A. Gyrdymov. It permitted to establish the cause and character of damage to the corncobs. The fourth film,

Card 2/3

High Speed Filming in Scientific Research

88/3-10-1-44 4c

taken in connection with the research of Engineer N. N. Avdeyev, shows the process of separating grain in a shaker of stationary threshing machines and grain harrow-ing combines. It was possible to establish the conditions most favorable for separating grain and to considerably cut the losses. Scientific-research filming is conducted in many vuzes and scientific institutes. But because of the poor organization of information, the results of work on using the film in scientific and training work meet with considerable difficulties. In this connection E. V. Zakharenko's book "Scientific Film Documents Prepared at the Yuzovskiy Institute from 1948 to 1957", [Ref 1] contains valuable information. There is 1 Soviet reference.

ASSOCIATION: Moskovskiy institut mekhanizatsii i elektrifikatsii khozyaystva (Moscow Institute of Agricultural Mechanization and Electrification).

Card 3/3

30788
S/194/62/000/005/153/157
D271/D308

9.6000

AUTHORS: Konev, K.A., and Preobrazhenskiy, N.I.

TITLE: Adapter for visual selection of transistors by means of the oscilloscope type EO-7

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-7-297 sh (V sb. Poluprovodnik, pribory i ikh primeneniye, no. 7, M., Sov. radio, 1961, 137 - 140)

TEXT: An adapter is described which, by means of the oscilloscope EO-7, permits to select transistors of identical parameters, types P13 - P16, P101 - P103, P401 - P403, P201 - P203 and P4. The following characteristics of transistors are verified:

$$i_{KD} = f_1(u_K), i_{KH} = f_2(u_K), i_K = f_3(u_K), i_k = f_4(i_8)$$

and
$$i_k = f_5(i_9).$$

One part of the equipment serves for the first three equations, and Card 1/2

Adapter for visual selection of ...

S/194/62/000/005/153/157
D271/D308

the other part - for the remaining equations. In the first case, collectors of the checked transistors, and in the second case - transistor inputs, are supplied from the secondary winding of a center-tapped transformer. Operation is based on sequential display of characteristics of both transistors during one period of the voltage supplying primary winding of the transformer. [Abstractor's note: Complete translation].

Card 2/2

MINAYEV, L.I., ingh.; PRESHCHAYEVSKIY, I.I., hard. fin.-mat. nauk

Force contact transducer, contact transducer. Patent application
no. 10:20 0 '65 (MIRA 19:1)

35336

S/194/62/000/001/033/066
D201/D305

9.4310 (1150, 1159, 1139)

AUTHORS: Preobazhenskiy, N. I. and Konev, K. A.

TITLE: Selecting transistors by oscilloscope comparison of their characteristics

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 1, 1962, abstract 1-4-61 v (Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazova, 1961, no. 66, 27-30)

TEXT: Simultaneous observation on the screen of a CRO of the characteristics of two transistors is made possible by use of a special attachment, developed for this purpose, to the 30-7 (EO-7) oscilloscope. The attachment makes it possible to determine simultaneously for two transistors and for each of them (both of p-n-p and n-p-n types) the reverse collector currents I_{cr} , the zero-emitter collector currents I_{co} , the dependence of the collector current I_c on the collector voltage U_c at a constant base I_b or emitter

Card 1/2

Selecting transistors by ...

S/194/62/000/001/033/066
D201/D305

current I_e and the dependence of the collector current on base or emitter current for constant collector supply voltage. The attachment consists of two independent units. The first unit is designed for observation of static characteristics: $I_{cr} = f(U_c)$, $I_{ce} = f(U_c)$, $I_c = f(U_c)$ at $I_b = \text{const}$ or $I_e = \text{const}$. A circuit for the observation of $I_c = f(U_c)$ at $I_b = \text{const}$ is given. The collectors are connected through potential dividers to the ends and to the center tap of the secondary winding of a transformer, so that 50 c/s pulsating voltages of opposite signs are applied to the collectors. The second unit of the attachment is designed for observing the dynamic characteristics $I_c = f(I_b)$, $I_c = f(I_e)$ at $U_c = \text{const}$. The circuit connection of the second unit, for observing $I_c = f(I_b)$ is given. The base circuits are supplied from a transformer with a center-tapped secondary. The dynamic characteristics may thus be observed at a 50 - 500 c/s pulsating base current. / Abstracter's note: Complete translation. /

✓

Card 2/2

PREOBRAZHENSKIY, N.I., kand. fiziko-matematicheskikh nauk, prof.; KLEYNMAN,
G.T., inzh.

Use of simple trigger cells in a contactless transistorized
pulse relay. Izv. TSKHA no.4:179-182 '63. (MIRA 17:1)

L 2650-66 EWT(1)/EWA(h)
ACC NRI AP5026112

SOURCE CODE: UR/0119/65/000/010/0029/0029

AUTHOR: Komanov, L. I. (Engineer); Preobrazhenskiy, N. I. (Candidate of physico-mathematical sciences)

ORG: none

TITLE: Transistorized contactless position sensor 25

SOURCE: Priborostroyeniye, no. 10, 1965, 29

TOPIC TAGS: position sensor

ABSTRACT: An induction sensor consisting of two transistor oscillators and a power transistor is briefly described. The operating 0.3-mm metal vane stops oscillations when it moves into a slot between two coils of one of the oscillators, and causes the final relay to operate. Reliable operation at an ambient temperature of -20 +75C with a supply voltage variation of -15 +10% is claimed. The sensor can be supplied by a 12/24 v unsmoothed d-c voltage taken from a rectifier. Orig. art. has: 2 figures. [03]

SUB CODE: EC, IE/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 000/ ATD PRESS: 4127

Card 1/1

UDC: 62-531.4:621.3.083.8

26
B

PREOBRAZHENSKIY, N.I., kand.fiziko-matematicheskikh nauk, dotsent;
KONEV, K.A., inzhener

Selection of semiconductor triodes by comparing their characteristics on the screen of an electronic oscillograph. Izv. TSKHA no.3:221-225 '61. (MIRA 14:9)

(Transistors)

PREOBRAZHENSKIY, Nikolay Ivanovich; MOROZOV, V.A., nauchn. red.;
DESHALYT, M.G., ved. red.; DEM'YANENKO, V.I., tekhn. red.

[Using installations for liquefied gases] Eksploatatsiia
ustanovok szhimennogo gaza. Leningrad, Gostoptekhnizdat,
1964. 240 p.
(MIRA 17:3)

L 11037-66 EWT(1)/EWA(h)

ACC NR: AR6000411

SOURCE CODE: UR/0271/65/000/009/A031/A031

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 9A233

AUTHOR: Preobrazhenskiy, N. I.; Komanov, L. I.

8B

TITLE: Effect of the component parameter spread and the mounting type upon the operational parameters of a transistorized inductive position sensor

CITED SOURCE: Dokl. Mosk. in-ta inzh. s.-kh. proiz-va, v. 1, no. 3, 1964, 39-45

TOPIC TAGS: position sensor, transistorized position sensor

TRANSLATION: A position sensor²⁵ is considered whose operation depends on the collapse of oscillations of a transistorized oscillator. Tables are presented which show the effects of temperature, supply voltage, and transistor gain on the operating position. The operating-point shift at a supply voltage variation of $-15 + 10\%$ remains within 0.3 mm with iron and copper vanes over 1 mm thick and 50 mm wide. The sensor operation is stable at temperatures within $-20 + 75^{\circ}\text{C}$. The sensor parameters are reported.

SUB CODE: 13, 09

HW
Card 1/1

UDC: 621.398.694:531.7

PREOBRAZHENSKIY, N. M. AND FILATOV, P. V.

(Candidate of Veterinary Sciences, Associate Professor) Textbook "Klinicheskaya Diagnostika vnutrennikh boleznei domashnikh zhivotnykh"* (Clinical Diagnosis of Internal Diseases of Domestic Animals* M., Sel'khozgiz, 1958)

Veterinariya, Vol. 38, No. 5 1961

YERSHOV, V.S., prof., doktor veter.nauk; ZHURAVEL', A.A., prof., doktor veter.nauk; PREOBRAZHENSKIY, N.M., dotsent, kand.veter.nauk; YEL'TSOV, S.G., prof., doktor veter.nauk; ITKIN, B.Z., dotsent; NOSKOV, N.M., dotsent, kand.veter.nauk; YEMEL'YANOVA, N.I., red.; BALLOD, A.I., tekhn.red.

[Principles of veterinary medicine] Osnovy veterinarii. Izd.2., ispr. 1 dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 437 p. (MIRA 13:10)

1. Direktor Vsesoyuznogo instituta gel'mintologii im. K.I.Skryabina (for Yershov). 2. Zaveduyushchiy kafedroy fiziologii Leningradskogo veterinarnogo instituta (for Zhuravel'). 3. Moskovskaya veterinarnaya akademiya (for Preobrazhenskiy). 4. Zaveduyushchiy kafedroy operativnoy khirurgii Moskovskoy veterinarnoy akademii (for Yel'tsov). 5. Zaveduyushchiy kafedroy epizootologii Orenburgskogo sel'skokhozyaystvennogo instituta (for Noskov).
(Veterinary medicine)

PREOBRAZHENSKIY, N.M., dotsent; POLYAKIN, V.V., kandidat veterinarnykh nauk.

Prevention and therapy of atonia of the rumen in cattle. Veterinaria
32 no.5:73-77 My '55. (MIRA 8:7)

1. Moskevskaya veterinarnaya akademiya.
(STOMACH--DISEASES) (CATTLE--DISEASES AND PESTS)

PREOBRAZHENSKAYA, N.N.

Using geobotanical investigations for purposes of hydrogeology and engineering geology under forest zone conditions. Vest. Mosk. un. Ser. 4: Geol. 18 no.6:69-74 N-D '63. (MIRA 18:7)

1. Kafedra geobotaniki Moskovskogo universiteta.

MAKARCHENKO, A.F., akademik, otv. red.; BOGACH, P.G., prof., red.;
TROSHIKHIN, V.A., prof., red.; GUREVICH, M.I., doktor med.
nauk, red.; KOLCHINSKAYA, A.Z., doktor biol. nauk, red.;
PUTILIN, N.I., prof., red.; OLEJNIK, I.F., kand. biol. nauk,
red.; FROHRAZHENSKIY, N.N., kand. vet. nauk, red.; SNEZHIN,
M.I., red.

[Regulation of vegetative functions] Reguliatsiia vegetativ-
nykh funktsii. Kiev, Naukova dumka, 1965. 246 p.

(MIRA 18:8)

1. Akademiya nauk URSR, Kiev. 2. AN Ukr.SSR (for Makarchenko).
3. Institut fiziologii im. A.A.Bogomol'tsa AN Ukr.SSR (for Putilin).

PREOBRAZHENSKIY, H.N.; YAROVITSKIY, N.V.

Use of mathematical methods for the determination of the impulse activity of central neurons of the brain. *Kliff-zika* 8 no.3:387-393 '63.

(MIRA 17:11)

1. Institut fiziologii imeni Bogomol'tsa AN UkrSSR, Kiev.

L 10118-63

EDS--JT

ACCESSION NR: AP3001479

S/0217/63/008/003/0387/0393

AUTHOR: Preobrazhenskiy, N. N.; Yarovitskiy, N. V.

48

TITLE: Application of mathematical methods to the investigation of the impulse activity of brain central neurons

SOURCE: Biofizika, v. 8, no. 3, 1963, 387-393

TOPIC TAGS: central neuron impulse activity, mathematical methods, electronic computers

ABSTRACT: Before central neuron impulse activity can be programmed for electronic computers, mathematical methods must be developed to analyze it. This study formulated mathematical terms for the impulse activity of reticular brain neurons in a cat under chlorozole narcosis. Adrenalin and acetylcholine were used to change the rhythmic activity of the neurons. Two types of activities were measured by oscillograph: "background" and "induced". Background activity is cell activity without any stimuli which can be represented mathematically as a steady-state function of a random flow of uniform events taking place in a

Card 1/2

L 10118-63

ACCESSION NR: AP3001479

given time interval. Induced activity includes background activity as well as reaction to a controlled stimulus which is not of a random nature. The latter is expressed mathematically by superimposing a non-random function on the function of background activity. Formulas 1 to 8 show an approximation method for determining cell reaction to a stimulus. The method described by the authors makes it possible to find general cell responses to a stimulus, to find the degree of freedom in response (independent parameters which identically determine the response), and to calculate the values for these parameters. Investigation of impulse activity according to this system, even for one cell, is very time consuming, and therefore this method requires an electronic computer. Recently a universal algorithm for quantitative analysis of neuron impulse activity in an electronic computer was made. [Abstracter's note: No details given in regard to last statement.] Orig. art. has: 5 figures, 8 formulas.

ASSOCIATION: Institut fiziologii im. Bogomol'tsa AN USSR, Kiev (Institute of Physiology, AN UkrSSR)

SUBMITTED: 02Jan63 DATE ACQ: 12Jun63

ENCL: 00

SUB CODE: 00

NR REF SOV: 007

OTHER: 007

JR/2R
Card 2/2

ACC NR: A17007595

SOURCE CODE: UR/0104/66/000/002/6095/0096

26

AUTHOR: Chuprakov, N. M.; Dorovoy, A. A.; Postnikov, N. A.; Palychev, A. A.;
Magidson, E. M.; Sin'chugov, Z. I.; Zeylidzon, Ye. D.; Barchaninov, G. S.;
Yermolenko, V. M.; Vasil'yev, A. A.; Sokolov, N. I.; Uti'yanov, A. S.;
Fedoseyev, A. M.; Sarkisov, M. A.; Rokotyan, S. S.; Azar'yev, D. I.; Arson,
G. S.; Dubinskiy, L. A.; Zhulin, I. V.; Kolpakova, A. I.; Antoshin, N. N.
Krikunchik, A. B.; Kuchkin, M. D.; Preobrazhenskiy, N. Ye.; Reut, M. A.;
Kheyfits, M. E.; Sharov, A. N.; Yakub, Yu. A.; Corbunov, N. I.; Shurmukhin,
V. A.; Beschinskiy, A. A.

ORG: none

TITLE: Boris Sergeyovich Uspenskiy (on his 60th birthday)

SOURCE: Elektricheskiye stantsii, no. 8, 1966, 95-96

TOPIC TAGS: hydroelectric power plant, electric engineering personnel

SUB CODE: 10

ABSTRACT: B. S. Uspenskiy was born in June 1906. He graduated from
the State Electric Machine Building Institute in 1928 as an electric
installation engineer. He worked in the State Electro-Technical Trust
for four years, then in the All-Union ElectroTechnical Union, where he
planned power construction units. Plans which he made up at that time
for the electrical portion of electrical stations and sub-stations are
still being used. He was involved in planning and installation of the
electrical portion of hydro-electric power stations and powerful pumping
stations in the Moscow-Volga Canal. During the war, he was in charge in
installation of the Krasnogorskaya Heat and Electric Power Station, the
planning of the Urals Hydro-Electric Power Station and other projects. #

Card 1/2

09281534

Проект 1358 ДЗ 457 501/10/20
KOLYAREVSKIY, G.P., inzhener; SHELEPIN, V.N., inzhener; PRISOBRASHENSKIY,
N.Ye., inzhener.

Increasing the durability of pump transmission shafts. Vest.mash.
36 no.11:50-52 N '56. (MIRA 10:1)
(Pumping machinery) (Shafts and shafting)

PREOBRAZHENSKIY, Nikolay Alekseyevich

"Investigations in the lipid series."

Report presented for the 3rd Intl. Symposium on the Chemistry of
Natural Products (IUPAC), Kyoto, Japan, 12-18 April 1964.

13

L 61412-65 EWT(d)/EWP(h)/EWP(1)

ACCESSION NR: AP5019108

UR/0286/65/000/012/0134/0135

AUTHORS: Afonin, A. N.; Yershova, G. I.; Ivanovskiy, K. Ye.; Ioffe, P. S.;
 Komashenko, A. Kh.; Kon'kova, T. F.; Lipovetskiy, V. A.; Mel'nikov, V. V.;
 Mishedchenko, Yu. D.; Neverovich, A. M.; Paris-Revoluta, A. A.; Prokashchikov,
 O. A.; Rikman, M. A.; Semenov, B. D.; Semenov, V. M.; Sukhanov, A. I.; Sheleg,
 R. G.; Yaguzhinskiy, S. M.

TITLE: Transmission device of an overhead thrust conveyor. Class 81, No. 172231

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 134-135

TOPIC TAGS: overhead conveyor, transmission, crane

ABSTRACT: This Author Certificate presents a transmission device of a suspended thrust conveyor. The device contains spring-supported vanes set in a rotary motion by a star wheel meshing with the drive chain of the conveyor (see Fig. 1 on the Enclosure). To prevent the possibility of wedging the carriage during its transport, the device is provided with a two-armed spring-supported lever. One of the arms serves as a stopper for the carriage, and the other one (provided with a roller) interacts with a circular template fixed on the star wheel. The template has openings for receiving the roller which frees the carriage from the stopper.

Card 1/3

L 61412-65

ACCESSION NR: AP5019108

Orig. art. has: 1 diagram. 3

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut pod'yemno-transportnogo mashinostroyeniya (All-Union Scientific Research Institute of Hoisting and Conveying Machine Construction) 14 55

SUBMITTED: 12Aug63

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/3

PREOBRAZHENSKIY, O.N., land. veterin. nauk

Diagnosis of pregnancy and sterility in swine. Veterinarika 41
no.2:111-113 F '65. (MIRA 12:3)

PREOBRAZHENSKIY, O. N. Cand Vet Sci -- "Use of ovariectomy, platyphylline,
and synthetic estrogens in ^{the}fattening of hogs. (Artificially directed sterility
of hogs)." Kazan', 1960 (Min Agr USSR. Kazan' Vet Inst im N. K. Bauman)
(KL, 4-61, 206)

-364-

PREOBRAZHENSKIY, O.N., assistant

Effect of synestrol on the sex glands and weight gain of roosters.
Uch zap. KVI 85:111'62. (MIRA 16:7)

1. Iz kafedry akusherstva (zav.- chlen-korrespondent Vsevoyusnoy
akademii sel'skokhozyaystvennykh nauk imeni Lenina prof. A.P.
Studentsov) Kazanskogo veterinarnogo instituta.
(ESTROGENS) (POULTRY)

PREOBRAZHENSKIY, O.N., aspirant.

Comparative rating surgical and biological methods of castrating
pigs. Veterinariia 33 no.10:76-77 O '56. (MLRA 9:10)

1. Kazanskiy veterinarnyy institut imeni N.E. Baumana.
(Swine) (Castration)

PREOBRAZHENSKIY, O.O. [Preobrazhens'kyi, O.O.]

Fermentation of grape must in apparatus with continuous action.

Khar.prom. no.3:25-28 J1-S '62. (MIRA 15:8)

(Ukraine--Wine and wine making--Equipment and supplies)

PREOBRAZHENSKIY, O.S. [Preobrazhens'kiy, O.S.]

Mechanized method of beef cattle conveying for slaughtering.
Khar.prom. no.2:16-18 Ap-Je '62. (MIRA 1509)

1. Zaporozhskiy myasokombinat.
(Zaporozh'ye--Slaughtering and slaughterhouses--
Equipment and supplies)

-----, A.A.
PR. JOR. EN. SKEL, P.A. Fizicheskaia geografiia Samarskio Gubernii. Samara, Samizdatroizg, 1928. 110 p.

DLC: Unclassified

SO: LC, Soviet Geography, Part II, 1951, U_nclassified

1ST AND 2ND SECTIONS PROCESSES AND PROPERTIES INDEX

C

F 2333. TECHNOLOGICAL LAY-OUT FOR RECONSTRUCTION AND NEW COAL PREPARATION PLANT. Preobrazhenski, P. I. (Stal, 1948, (2), 107-116). A detailed survey is made of methods for coal preparation applicable to the types of coal used in the U.S.S.R. After a consideration of preliminary classification dust removal is dealt with, a flow sheet being given. Wet desludging and coal concentration are discussed, the variations of the latter process for different kinds of coal being illustrated by flow-sheets, and the dehydration of the products is considered. Particular attention is given to the operation of sedimentation plant, the following points being discussed: (1) The recovery and treatment of coarse sediment and of the sediment from the wet desludging process; (2) the concentration of fine sediments; (3) the recovery of water from the dehydration equation is given for the length of a settling tank in terms of time for settling, rate of flow of water, and the width of the tank.

I.S.I.

METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND SECTIONS

GROUPS

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

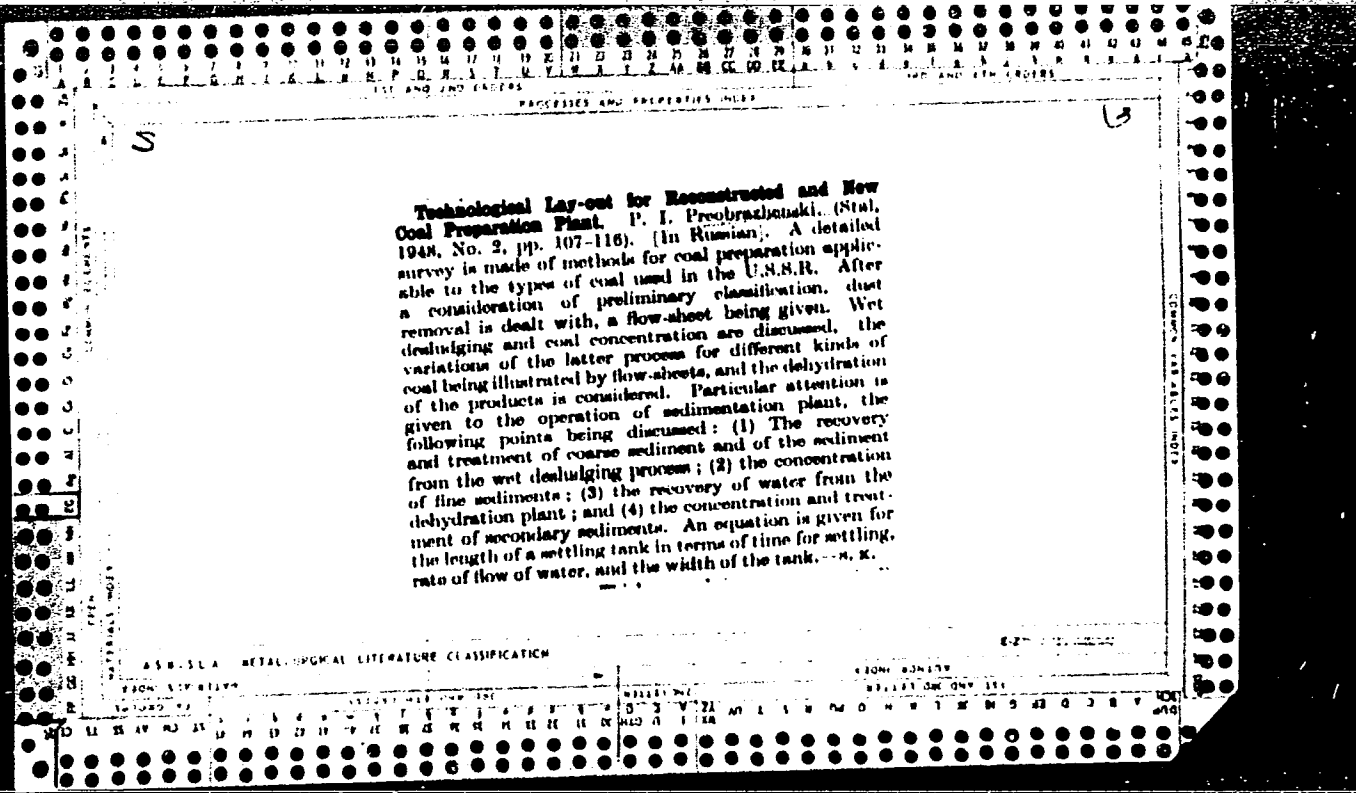
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

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



AUTHOR: ~~Preobrazhenskiy, P.I.~~

SOV/68-58-10-4/25

TITLE: Remarks on the Paper of A.L. Golubchik and B.M. Barats
"From Experience in Putting the Coal Concentration Plant
on the Zaporozh'ye Coking Works into Operation" (Otzyv na
stat'yu A.L. Golubchika i B.M. Baratsa "Opyt puska i
regulirovaniya obogatitel'noy fabрики Zaporozhskogo kokso-
khimicheskogo zavoda")

PERIODICAL: Koks i Khimiya, 1958, Nr 10, pp 15 - 17 (USSR)

ABSTRACT: The author criticises some of the conclusions and
recommendations of the authors of the original paper.
It is pointed out that the authors did not take into con-
sideration changes which took place in the coal beneficia-
tion technique from the time of designing the Yenakiyevo
Beneficiation Plant which they quote as the most success-
ful type of plant. He agrees with the original authors
regarding defects in the installation of the equipment for
treating slurries, pointing out that, at the time of
designing the plant, jigs for slurries were not used and

Card 1/2

SOV/68-58-10-4/25
Remarks on the Paper of A.L. Golubchik and B.M. Barats "From
Experience in Putting the Coal Concentration Plant on the Zaporozh'ye
Coking Works into Operation"

were added only at a later stage. It is pointed out that
the authors did not stress the positive features of the
plant.

ASSOCIATION: Giprokoks

Card 2/2

PREOBRAZHENSKIY, P.I.; ODNOPOZOV, M.I.

Development of the designing in the coke-chemical industry.
Koks i khim. no.10:62-66 0 '61. (MIRA 15:1)

1. Gosudarstvennyy vsesoyuznyy institut po proyektirovaniyu
predpriyatiy koksokhimicheskoy promyshlennosti.
(Coke industry)

MIROSHNICHENKO, A.M., kand. tekhn. nauk; PANCHENKO, S.I., doktor tekhn. nauk; SHTRUMBERG, B.I., kand. tekhn. nauk; FRISHEERG, V.D., kand. tekhn. nauk; BAYDALINOV, P.A., inzh.; GRYAZNOV, N.S., doktor tekhn. nauk; ZASHKVARA, V.G., doktor tekhn. nauk; LAZOVSKIY, I.M., kand. tekhn. nauk; MARINICHEV, B.T., inzh.; FEL'DBRIN, M.G., kand. tekhn. nauk; BAKUN, N.A., inzh.; BARATS, B.M., inzh.; VOZNYIY, G.F., kand. tekhn. nauk; MIKHAL'CHUK, A.M., inzh.; TOPORKOV, V.Ya., kand. tekhn. nauk; FLORINSKIY, N.V., inzh.; KHAYET, A.N., inzh.; SHELGOV, A.K., inzh., red.; ARONOV, S.G., doktor tekhn.nauk, red.; PREOBRAZHENSKIY, P.I., inzh., red.

[Manual for coke chemists in six volumes] Spravochnik koksokhimi-
mika v shesti tomakh. Moskva, Izd-vo "Metallurgiya." Vol.1.

[Source of raw materials and preparation of coal for coking]
Syr'evaia baza i podgotovka uglei k koksovaniu. 1964. 490 p.
(MIRA 17:5)

PREOBRAZHEMSKIY, P. I.

Comments on A.L. Golubchik and B.M. Barat's article "Experience in starting and regulating coal-cleaning plant at the Zaporozh'ye Coke and Chemical Plant." Koks i khim. no.10:15-17 ' 58.(MIRA 11:11)

1. Ispolnyayushchiy obyazannosti direktora Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy koksokhimicheskoy promyshlennosti. (Zaporozh'ye--Coal preparation)

TSIPEROVICH, Moisey Veniaminovich, P.R.O.B.R.A.Z.H.E.N.S.K.I.Y., P.I., inzh.,retsensent,
SHEPELEV, I.G., inzh.,red.; SUSTAVOV, M.I., inzh.red.; LUCHKO, Yu.V.,
red.izd-va.; ZEF, Ye.M.,tekh.red.

[Equipment for coal preparation plants] Oborudovanie ugleobogatitel'nykh
fabrik. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1958. 520 p. (MIRA 11:9)
(Coal preparation--Equipment and supplies)

PREOBRAZHENSKIY, P. I.

Obogashcheniye ugley dlya kokso-vaniya. (Enrichment of coal for doking) Moskva, Metallurgizdat, 1950. 391 p. diagrs., tables. "Literatura"; p. (390)-391. On theoretical and practical experiences in coal dressing at coal-dressing factories, also on problems concerning the selection of effective technology, schemes and equipment for the enrichment of various types of coal. Book is intended for engineers, researchers, as well as students at higher technical institutions.

PEGBRAZHENSKIY, P. I.

Engr., State Planning Inst. for Coke, -c1948-.

"Enrichment of Coal for Coking," U.S., Moscow, 1950.

"Technological Systems for Reconstructed and New Coal Dressing Plants"

Stoll, No. 2, 1948.

PREOBRAZHENSKIY, P. I.

PA 41T92

USSR/Metals
Ore Dressing
Coal

Feb 1948

"Technological Systems for Reconstructed and New Coal Dressing Plants," P. I. Preobrazhenskiy, Engr, Giproskoks, 10 pp

"Stal'" No 2

Principle fundamentals and technological systems of reconstructed and newly erected coal dressing installations are characteristic of the high degree of engineering of the dressing process during the new Five-Year Plan. These remodeling operations will tend to increase the quality of coke and lower its cost price and coefficient of coal expenditure.

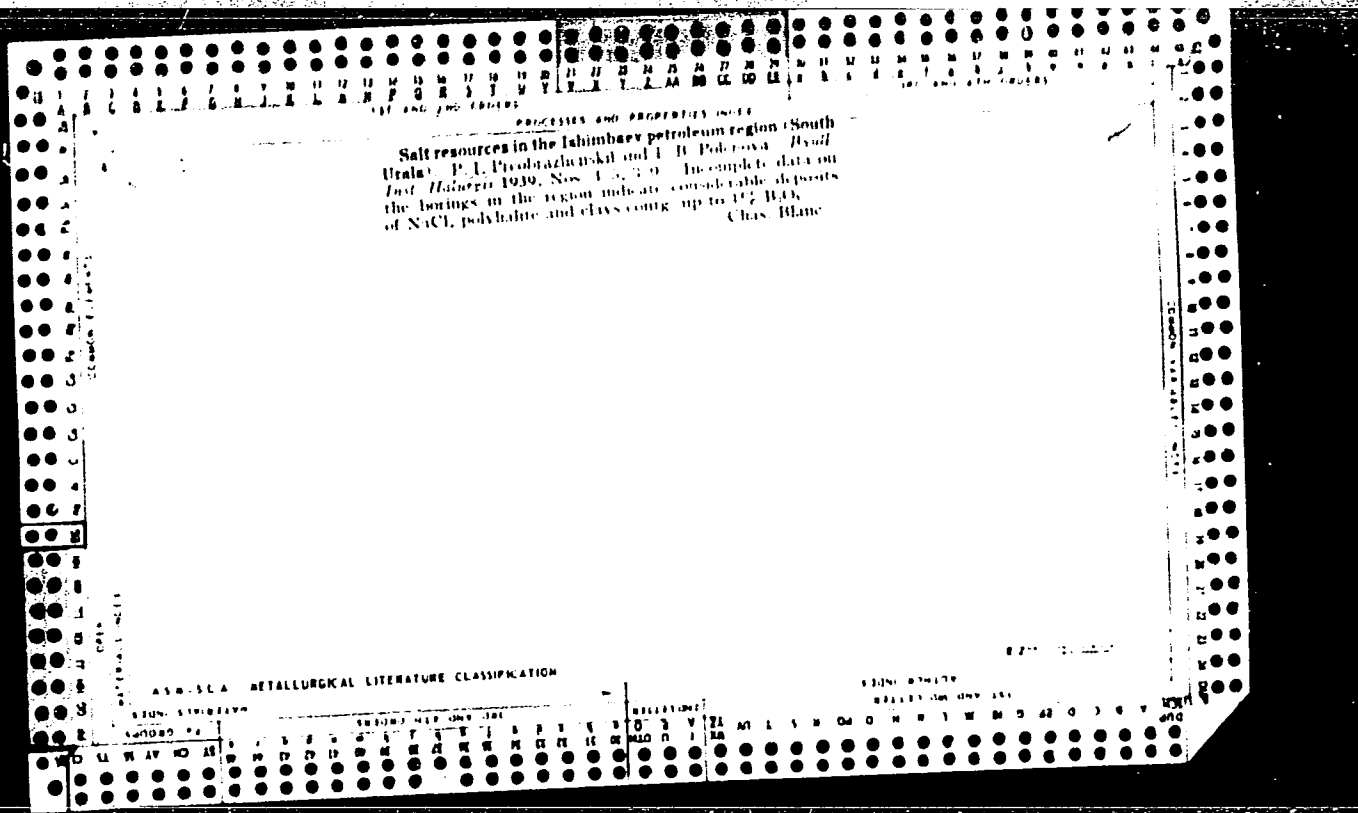
41T92

FDB

PREOBRAZHENSKIY, P. I.

M: Obogashcheniye Ugley Dlya Koksovaniya (Concentration of Coals for Coking) 1950,
Khar'kov-Moskva

Abstracted in USAF "Treasure Island", on file in Library of Congress, Air Information
Division, Report No. 111741. Unclassified.
111763



PROCESSIES AND PROPERTIES INDEX

Salt-bearing formations of the western slope of the Ural mountains as a base for the salt-working industry. *R. L. Preobrazhenskii. Byull. Inst. Halurgii 1938, No. 1, 47-60; KAIW. Referat. Zhur. 2, No. 3, 25(1939).*—The complex exploitation of the salt-bearing formations bounded by the western slope of the Ural mountains and the Kama and Volga rivers in the east is discussed. The presence of rich deposits of NaCl, sylvite, carnallite (in Solikams, Berezniki, Uoal'e and the Dedyukhin's mines), halite and salts richer in K₂SO₄, the content of Br in brines (up to 1500 mg./l. in Ust-Borovskii) and of I (up to 120 mg./l. in Chusovskie Gorodki), and the presence of H₂S (up to 1000 mg./l.), and of borates, make possible the development of chem. industry in this region. The presence of petroleum (in Chusovskie Gorodki and in Ishimbaevo) and of natural gas, in conjunction with the water resources of the Kama and Volga rivers as a source of hydroelec. power, create exceptional conditions for the development of this region.

W. R. Henn

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

E-2

MATERIALS INDEX

PROCESSES AND PROPERTIES INDEX

197 AND 198 GROUPS

17

Potassium salt deposits. P. I. Prokhorovskii. *Bull. Inst. Metallurg.* 1939, No. 3, 65-75; *Khim. Referat. Zhur.* 1939, No. 6, 88.—The Verkhne-Kama deposits, which contain enormous amts. of carnallite and sylvite, are the best investigated K deposits. They consist almost exclusively of KCl and MgCl₂. No K₂SO₄ is present. The Folia-Ural-Bamba deposits are next and, besides KCl, they contain also K₂SO₄. The region is little investigated with respect to K. Prospecting work has been done in search for petroleum and B and the data obtained for K are incomplete. The structure of the salt dome is complex. Considerable deposits of polyhalite, kainite, kieserite, bischofite and glaserite were found, besides carnallite and sylvite. The Turkmeniya, Uzbekistan and Tadzhikistan deposits are the least investigated. The K minerals are found there in the form of surface sylvite dispersed in the mass of NaCl. The Central Asia K deposits are of exceptional importance for local cotton growing.

W. R. Hem

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

197 AND 198 GROUPS

197 AND 198 GROUPS

ПРЕОБРАЗОВАТЕЛЬ, П. Т.

9-1623

Obogashcheniye ugley dlya koksovaniya. Moscow, 1950. 391 p.

Reference book on general theory and practice of treating coal in coking plants, including technical assemblies and arrangement of equipment prepared by Govt. Scientific Technical Publishing House for Literature in Heavy and Light Metallurgical Industry.

PREOBRAZHENIY, Pavel Ivanovich.

Enriching coal for coking Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po cherno
i tsvetnoi metallurgii, 1950. 501 p. (50-39446)

TNc10.P68

1. Coal preparation

PREOBRAZHENSKIY, P.K.

TOLSTOY, N.A.; TKACHUK, N.N.; PREOBRAZHENSKIY, P.K.

Kinetics of infrared luminescence of cuprous oxide. Part 1.

Experimental part. Opt. i spektr. 2 no.1:116-126 Ja '57.

(MLRA 10:2)

1. Gosudarstvennyy opticheskiy institut im. S.I. Vavilova.

(Copper oxides--Optical properties)

(Luminescence)

PREOBRAZHENSKIY, P. N.

"Our Treatment for Lymphangitis." Vet. En. Krasnoyarsk RR.

PREOBRAZHENSKIY, P.V.; BELOUSOV, A.P.; DZHAVADYAN, H.S.; LIZOUBOV, V.N.;
GRKODASHVILI, L.P.; POKROVSKIY, A.N.

Clinical aspects and treatment of penetrating injuries of the cornea
in radiation sickness in dogs. Vest.oft. 70 no.3:10-13 My-Je '57.

(MLRA 10:8)

1. Kafedra oftalmologii (nach. - prof. B.L.Polyak) Voenno-meditsin-
skoy ordena Lenina akademii imeni S.M.Kirova

(CORNEA, wds. and inj.

exper., eff. of x-irradiation on healing in dogs)

(ROENTGEN RAYS, eff.

on healing of exper. wds. of cornea in dogs)

ПРОБРАЗЕНСКИЙ П.В.

KUZNETSOV, V.I., polkovnik med. sluzhby; BARONOV, V.A., polkovnik med. sluzhby;
TITOV, A.I., polkovnik med. sluzhby, dots.; FIALKOVSKIY, V.V., polkovnik
med. sluzhby; SMIRNOV, K.K., polkovnik med. sluzhby, kand. med. nauk;
DOVZHENKO, G.I., polkovnik med. sluzhby; DIVNENKO, P.G., polkovnik med.
sluzhby; GORYUSHIN, G.S., podpolkovnik med. sluzhby; SHCHERBEKOV, N.I.
podpolkovnik med. sluzhby; ZHUK, Ye. G., podpolkovnik med. sluzhby; BUTOMO,
N.V., mayor med. sluzhby; PROBRAZENSKIY, P.V., mayor med. sluzhby;
TIKHONOV, K.B., mayor med. sluzhby

Clinical manifestations in subjects exposed to prolonged ionizing ir-
radiation. Voen. med. zhur. no.2:40-43 F '57 (MIRA 12:7)

(RADIATIONS, effects,

clin. manifest. in subjects exposed to prolonged ionizing
irradiation (Rus))

PREOBRAZHENSKIY, P. V. and POLYAK, B. L.

"The Treatment of Eye Burns".

Voyenno Meditsinskiy Zhurnal, No. 4, 1962

PREOBRAZHENSKIY, P.V., kand.med.nauk; REZONTOV, V.A.

Charateristics of the course and treatment of severe thermal
burns of the eyelids in radiation sickness in dogs. Vest.of.
no.4:7-13 '62. (MIRA 15:11)

(RADIATION SICKNESS) (BURNS AND SCALDS)
(EYELIDS—WOUNDS AND INJURIES)

"Clinical Picture and Treatment of Penetrating Wounds of the Cornea During Radiation Sickness of Dogs," by P. V. Preobrazhenskiy, A. P. Belousov, N. S. Dzhavadyan, V. W. Lizogubov, L. F. Orkodashvili, and A. N. Pokrovskiy, Central Institute of Blood Transfusion (head, Prof B. L. Polyak), Military-Medical Order of Lenin Academy imeni S. M. Kirov, Vestnik Oftalmologii, No 3, May/June 57, pp 10-13

The purpose of the present research was to study the clinical picture and treatment of penetrating wounds of the cornea of dogs sick with acute radiation sickness under conditions of delayed surgical treatment.

Three series of experiments were performed on 45 dogs: (1) the healing of penetrating wounds of dogs (controls); (2) the healing of penetrating wounds of dogs irradiated by 300 r from radioactive cobalt, but not treated; and (3) the healing of penetrating wounds of dogs irradiated by 300 r from radioactive cobalt and treated with penicillin. The method of surgical intervention for the application of a corneal suture as suggested by the Central Institute of Blood Transfusion was also investigated.

Results proved that (1) there were no clinically visible differences between the control and irradiated dogs during the latent period of acute radiation sickness in respect to the healing of the penetrating wounds of dogs' cornea; and (2) corneal sutures applied on the third day after the infliction of wounds on irradiated dogs were found to be an effective method for the surgical treatment of this type of combined injury. (U)

IR = 0.842 Preobrazhenskiy R.K.

SUBJECT: USSR/Luminescence

48-4-14/48

AUTHORS: Tolstoy N.A., Tkachuk N.N. and Preobrazhenskiy R.K.

TITLE: Kinetics of Infra-Red Luminescence of cuprous Oxide (Kinetika infrakrasnogo svecheniya zakisi medi)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, 1957, Vol 21, #4, pp 521-522 (USSR)

ABSTRACT: Development of the ultrataumeter made it possible to investigate luminescence kinetics of cuprous oxide.

The study of dependence of luminescence relaxation time τ on temperature and content of ultra-stoichiometric oxygen has shown the following: τ anomalously increases from 5×10^{-8} to 5×10^{-6} sec with the temperature rise from -185°C . At the room temperature the τ -value ceases to rise and falls at the further heating (temperature quenching).

The increase in oxygen content leads to τ -decrease at all temperatures except the lowest.

Card 1/2

TITLE:

Kinetics of Infra-Red Luminescence of cuprous Oxide (Kinetika
infrakrasnogo svecheniya zakisi medi) ^{48-4-14/48}

Citing the 3 possible ways of accounting for the τ -rise with temperature, the author favors the third one according to which the absorption mechanism bears an excitation character. Exciton decay on a charged acceptor leads to photoconductivity, and on an uncharged acceptor leads to luminescence. Assuming that the cross section of exciton capture is larger for the uncharged acceptor, the total cross section of all exciton capture centers decreases with temperature rise and the τ -value of luminescence increases.

The report is followed by a discussion.

No references are cited.

INSTITUTION: Not indicated

PRESENTED BY:

SUBMITTED: No date indicated

AVAILABLE: At the Library of Congress.

Card 2/2

TOLSTOY, N.A.; TKACHUK, N.N.; PREEOBRAZHENSKIY, R.K.

Kinetics of infrared luminescence of copper oxide. *Izv. AN SSSR.*
Ser. fiz. 21 no.4:521-522 Ap '57. (MLRA 10:5)
(Luminescence) (Phosphors)

PREDBRAZHENSKIY, R.K.

~~Summary of infrared spectroscopy~~

sec. At room temp. the values of τ for samples of different sizes l were grouped according to l^2 . At 10^{-4} sec., with a max. of 1×10^{-3} sec. and the lowest of 0.1×10^{-4} sec. With Cu_2O plates split, the values of relaxation time from the cleaved side were constantly greater than those from the other side. The ratio $\tau_{\text{top}}/\tau_{\text{bot}}$ varied from 1 to 8, with an av. value 2.2. This indicates that an increase in the concn. of O in Cu_2O decreases the τ . Etching of crystals with HNO_3 , which results in a decrease in the O content in the surface layer, produced on the av. 1.5 times increase in the τ . At -150° the τ was independent of the O content in the sample, its av. value was 7.5×10^{-7} sec., with the lowest and the highest values 5×10^{-7} sec. and 10×10^{-7} sec., resp. There was no correlation between the results obtained at room temp. and at -150° . The ratio $\tau_{\text{top}}/\tau_{\text{bot}}$ for the majority of the cases varied between 15 and 30, occasionally reaching 100 and in few instances it was approx. 1. An elec. field (20 kv./cm.) at low temp. had no effect on the τ ; at higher temps. when Cu_2O became electroconductive, the τ began to change owing to the presence of a slight Joule effect. At room temp. the ratio of relaxation times before and after annealing of Cu_2O for 4 hrs. at 300° at 10^{-4} mm. pressure was 2.8; after 4 hrs. at 700° in air - 3.5; and when the samples were first annealed in vacuum, cooled, and then heated in the air, it was 4.4.

A. P. Kotobiy

PREOBRAZHENSKIY, S. M.

PA 33/49T79

USSR/Medicine - Trees
Medicine - Birds

Jul 48


"The Astrakhan State Forest," S. M. Preobrazhen-
skiy, Cand Geog Sci, 3 pp

"Nauka i Zhizn'" No 7

Astrakhan State Forest consists of three sections
with total area of about 61,775 acres. About 300
different types of birds inhabit it. Briefly
discusses bird and fish life in this forest.

33/49T79

1. PREOBRAZHENSKIY, S. M.
2. USSR (600)
4. Geology and Geography
7. Literature on the State National Forests and on the Protection of Nature in USSR. Reviewed by S. M. Preobrazhenskiy, Sov. Kniga, No. 9, 1948.

9.  Report U-3081, 16 Jan. 1953, Unclassified.

1. MAURICE HENCHY, S. 1.

2. USSR (1950)

"Review of Works on the Climatology of
Public Reservations of the USSR."
Mauchno-metodicheskiye sravneniya
uprav leniya po sanovednikam, Issue 10,
1948 (144-160)

9. Meteorologiya i Gidrologiya,
No. 3, 1949. Report U-2551.
30 Oct 52

PREOBRAZHENIYE, S. M. AND OTHERS

Tobacco Manufacture and Trade

Brief news. Tabak 13 No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 ~~1953~~, Uncl.

РРБ: ПИИ/ИИ/ИИ. 1. 1.

Tobacco Manufacture and Trade

Results of the work of a leading commercial enterprise. Tabak 13, n. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLAS//INTD.

PREOBRAZHENSKIY, Sergey Yevgen'yevich; VYSOTSKAYA, R.S., redaktor; GOLUBKOVA, L.A., tekhnicheskii redaktor

[Mechanizing the processes of disinfecting grain and warehouses]
Mekhanizatsiia protsessov dezinfektsii zerna i skladov. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1955. 68 p.
(Grain--Storage) (MLRA 9:1)

191T67

PREOBRAZHENSKIY, T. N.

USSR/Hydrology - Water Consumption

Oct 51

"Water Consumption of Summer Wheat in the Irrigated
Steppe Regions of the USSR," Prof T. N.
Preobrazhenskiy

"Gidrotekh i Meliorat" Vol III, No 10, pp 26-37

Author succeeded in detg the water consumption in
irrigated systems of Alma-Ata, Dzhabdula, Saratov,
Engels, etc., during 1941-1948 and used his tabu-
lated results as standards for other irrigational
systems. He concluded that 30% of water consumption
could be saved if the soil is sown to grass.

191T67

PREOBRAZHENSKIY, T.N.; MAKAROVA, V.S.

Role of plant moisture uptake from lower soil horizons in drainage of irrigated lands in the Kara Kum Canal zone. Izv. AN Turk. SSR no. 2: 34-42 '55. (MLRA 9:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.
(Kara Kum Canal--Irrigation) (Kar Kum Canal--Soil moisture)

PREOBRAZHENSKIY, T.N.; MAKAROVA, V.S.

Circulating underground drainage. Izv.AN Turk.SSR no.4:43-47 '55.
(MLRA 9:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i
melioratsii.

(Soil moisture) (Drainage)

PREOBRAZHENSKIY, V.

PREOBRAZHENSKIY, V., inzh.

Laying rubble concrete foundations during winter. Stroitel'
no.11:12 N '57. (MIRA 10:12)
(Foundations) (Concrete construction--Cold weather conditions)

RYAKHOVSKIY, V.; RAGIMOV, Z., kand. biolog. nauk; SULEYMANOV, S., mladshiy nauchnyy sotrudnik; SHVETSOVA, A., dotsent; SEMENOV, A., assistant; GROMOVA, A., kand. biolog. nauk; SELIN, I., nauchnyy sotrudnik; LAZHAUNIKAS, Ye.; MELESHKO, R.; PREOBRAZHENSKIY, V., starshiy prepodavatel'

To the attention of a plant protector. Zashch. rast. ot vred. i bol.
10 no.6:40-43 '65. (MIRA 18:7)

1. Zaveduyushchiy otdelom zashchity rasteniy Luganskoy sel'skokhozyaystvennoy opytnoy stantsii (for Ryakhovskiy).
2. Azerbaydzhanskiy nauchno-isledovatel'skiy institut zashchity rasteniy, Kirovabad (for Ragimov, Suleymanov).
3. Omskiy sel'skokhozyaystvennyy institut (for Shvetsova, Semenov).
4. Otdel zashchity rasteniy Smolenskoy sel'skokhozyaystvennoy opytnoy stantsii (for Selin).
5. Zaveduyushchiy Tel'manskiy punkt signalizatsii i prognozov, Karagandinskaya oblast' (for Lazhaunikas).
6. Zaveduyushchaya Vitebskiy punkt signalizatsii i prognozov (for Meleshko).
7. Buryatskiy sel'skokhozyaystvennyy institut (for Preobrazhenskiy).

L 45370-65

ACCESSION NR: AP5011974

UR/C348/65/000/002/0050/0050

AUTHORS: Proobrazhenskiy, V. (Senior lecturer); Dzholova, N. (Senior research associate) S
B

TITLE: Daurian leafsater (*Galeruca daurica*)

SOURCE: Zashchita rasteniy ot vreditel'ey i bolezney, no. 2, 1965, 50

TOPIC TAGS: agriculture, pesticide, insect

ABSTRACT: Onion plantings have been damaged in recent years by *Galeruca daurica*, previously noted only in the Primorskiy Kray. Beetles and their larvae open holes in the stems or destroy them completely, and larvae foul their interiors with excreta. The beetles are black and yellow, 6-9 mm long; the larvae are black, 25 mm long, with 16 hairy warts on each segment. Their 2-mm eggs are bright yellow and are laid 1-2 cm below ground level. The females cover them with cementing liquid. Larvae are hatched at the end of May and cause mass destruction of the crop at the beginning of June. Pupae are formed 2-4 cm below ground level throughout June. The beetles appear at the end of June and beginning of July. They feed voraciously at first, become inactive during the hot weather, and start feeding heavily again and copulating in the first half of August. Eggs are laid starting at the end of August in 3-4 batches, 6-10 days apart, with each female producing about 200.

Card 1/2

L 45370-65

ACCESSION NR: AP5011974

Chemicals are best applied at the end of May (when the larvae hatch). DDT is most effective, but is applicable only on seedstock; the marketable crop should be treated with pyrethrum. Pupae are destroyed by cultivating in the first half of June, the eggs by fall plowing. Onions should not be planted in the same fields more than twice in succession, and other vegetation on which this pest feeds should be destroyed.

ASSOCIATION: Buryatskiy SKhI, Ulan Ude (Buryat SKhI); Vostochno Sibirskiy biologicheskiy institut SO AN SSSR, Irkutsk (East Siberian Biological Institute, SO AN SSSR)

SUB CODE: LS

SUBMITTED: 00

ENCL: 00

NO REF SOV: 000

OTHER: 000

Card 2/2716

CA

Synthesis of the alkaloid pilosinine. A. M. Polyakova, V. A. Pirobrashenskii and N. A. Pirobrashenskii. *J. Gen. Chem.* (U. S. S. R.) 9, 1402 (1939). Pyman (*C. A.* 7, 978) isolated from *Pilocarpus microphyllus* 0.007% of the alkaloid pilosine (carpine), $C_{11}H_{15}O_2N_2$, which when distil. with 20% KOH was decoupled into Brill and an optically active base, named by him

pilosinine (I) and identified as $CH_3OOC.CH_2.CH(CH_3).$

$C.CH.N.CH.NMe$. In the first synthesis of I here described Et succinate and HCO_2Et are with MeONa condensed at 20° to *Et formylsuccinate*; the free ester is reduced with Al-Hg and then distil. to give CO_2 and *Et*

pilosinate, $CH_3OOC.CH_2.CHCO_2Et$, b. 154°, b. 273-0°; the latter on sapon. with dil. HCl gave the *free acid*, m. 64-5°, b. 203°; its *chloride* (prepl. by heating with excess $SOCl_2$ at 50-60° for 5 hrs.), b. 107°, when treated with 3 mols. CH_3N_2 in H_2O at 0° formed *diasomethyl*

pilosinyl ketone, $CH_3O.CO.CH_2.CHCH_2COCHN_2$; the reaction mixt. directly introduced into 87 ml. of abs. alc. contg. 2.00 g. Ag_2O and heated at 80° yielded 70.7% *Et*

homopilosinate, $CH_3OOC.CH_2.CHCH_2CO_2Et$, b. 161°, m. 1.466, M. R. D. 40.31; the *free acid*, m. 81.3-7.5°, b.

165°; its *chloride*, b. 126°, treated with CH_3N_2 gave *diasomethyl homopilosinyl ketone* (II); this, treated with glacial AcOH at 75°, afforded 84% *acetoxymethyl homopilosinyl ketone*, b. 168°; 4.10 g. of the ketone in 50 ml. H_2O is treated with 0.2 g. $Cu(OAc)_2$, 1 ml. of 10% CH_3I and 10 ml. of 25% NH_4OH at 100° for 1 hr. The Cu is removed with H_2S and the excess H_2S with N , the acidified is extd. with Et_2O , dissolved in the min. amt. of H_2O , alkaliized with NH_4OH , extd. with $CHCl_3$, dried with Na_2SO_4 , and the $CHCl_3$ distil. off *in vacuo*, giving *pilosinamine* (*HCl* salt, m. 117-18°); pilosinamine (1 g.) is treated with 2 ml. MeOH and 0.9 g. MeI in a sealed tube at 50-60° for 2 hrs., the excess of MeOH and MeI is distil. off *in vacuo* at 30-40°, the residue in 5 ml. H_2O is made strongly alk. with 10 ml. of satd. K_2CO_3 , the soln. is extd. with $CHCl_3$ and the $CHCl_3$ is expelled *in vacuo* at 25-30°, giving 70% I (nitrate, m. 168.5-80° (abs. alc.)). I is an oil, sol. in H_2O , alc., Me_2CO and poorly sol. in dry Et_2O . In the modified procedure II in dry ether is treated with gaseous HCl at 0° for 1 hr. and the ether vacuum-distil., giving 07% *chloromethyl homopilosinyl ketone*, b. 163°; 1.2 g. of the ketone in 10.5 ml. of abs. alc. and 1.45 g. $CaH_2(CO)_2NK$ is refluxed 8 hrs. and the resulting phthalimide deriv. is decompd. with 20 ml. of 50% HCl by boiling 8 hrs., forming 90% *aminomethyl homopilosinyl ketone* (*HCl* salt, m. 140-3°); refluxing 0.05 g. of the ketone with 0.5 g. KSCN in 2 ml. H_2O for 8 hrs. yielded 74% pilosinamine-2-thiol, m. 202.5-3°; oxidation with $FeCl_3$ in H_2O gave pilosinamine Chas. Blanc

10

Inst. Organic Chem., AS USSR

Laboratory of Alkaloids.

1ST AND 2ND GROUPS PROCESSES AND PROPERTIES INDEX

BC

43

New synthesis of orthoformate (lit.) with A. M. Poljakova
 and N. A. Suvorovskaya (J. Gen. Chem., Russ., 1942, 15, 262—
 263) by hydrogenating under pressure (120 atm. H₂) in AcOEt and
 Et₂O in presence of both Pt-C and PdO-Et₂ acrylate-ethyl-
 stearate (2) is reduced to 2-ethyl-2-oxoethylsuccinic acid,
 C₆H₁₀O₄ (3), m.p. 51–52°, b.p. 145–146°. The liquid part of
 the extract contained an isomer (4), m.p. 57°, (4) being more stable.
 Reduction of butyl or octyl acrylate yields 2-ethylsuccinic acid,
 C₆H₁₀O₄ (5) and 2-octylsuccinic acid, C₁₀H₁₈O₄ (6) on
 extraction with Et₂O. This with NaNO₂ in Et₂O at 0° on
 working to oil, extraction with Et₂O, and distilling the extract
 gave a substance which caused no depression of m.p. on mixing with
 the isoptopic form obtained from formylsuccinic acid. R. To.

METALLURGICAL LITERATURE CLASSIFICATION
 A1 B1 C1 D1 E1 F1 G1 H1 I1 J1 K1 L1 M1 N1 O1 P1 Q1 R1 S1 T1 U1 V1 W1 X1 Y1 Z1

PROCESSES AND PROPERTIES INDEX

B

Bc

Preparation of $\text{[CH}_2\text{]}_n(\text{NH}_2)_m$. V. A. Proobrashenski, A. M. Poljakova, and S. E. Radlov (J. Gen. Chem. Russ., 1962, 12, 818-821). $\text{[CH}_2\text{]}_n(\text{CO-NH}_2)_m$ is dehydrated with P_2O_5 and the resultant pure $\text{[CH}_2\text{]}_n(\text{CN})_m$ is hydrogenated with Pd-Pt catalyst at room temp. and 50 atm. pressure in presence of EtOH and conc. H_2SO_4 . The acid prevents by-product formation, most of the $\text{[CH}_2\text{]}_n(\text{NH}_2)_m$ (B) being pptd. as the sulphate, from which it is recovered by treatment with KOH and distillation in vac. A further small amount of (B) is isolated from the hydrogenation solution. Total yield: 80% of theory. L. L.

METALLURGICAL LITERATURE CLASSIFICATION

GROUP

SUBGROUP

CLASSIFICATION

INDEX

PREOBRAZHENSKIY V. A.

Chemical reactions at highest pressures and at high temperatures. III. Apparatus for the study of oxidation with compressed oxygen at pressures up to 1500 atmospheres, and some methods of oxidation of organic compounds. I. P. Vereshchagin and V. A. Preobrazhenskii (Inst. Org. Chem., Acad. Sci. U.S.S.R.). Bull. acad. sci. U.R.S.S., Classe sci. chim., 1945, 359-63 (English summary); cf. C.A. 40, 5025^g.—Glycerol was found to be the most convenient hydraulic liquid in contact with oxygen, preferably in 50% diln. with water (Pure glycerol tends to crystallize in the capillaries at 10° and 1500 atm.). The liquid undergoes slow oxidation and it is therefore necessary to change it frequently. The piston of the compressor is likewise lubricated with a glycerol-water mixt. The reaction vessel is a stainless-steel cylinder of 10 mm. inner diam., 30 mm. outer diam. and 140 mm. high. Cyclohexene (0.5 g.), under 1000 atm., did not show any change in 4 hrs. at 12° and at 50°. At 100°, in 5 hrs., the n_D of the liquid was somewhat increased, from 1.497 (at 20°) to 1.4518. At 150°, explosion occurred under 1000 atm. within 3 mins. A larger amt. of the cyclohexene, 2.4 g., exploded under 1000 atm. after 1 hr's. heating at 100°. The same amt. of cyclohexene, after being kept in a refrigerator at -5°, exploded after 2 hr's. heating to 50°. The oxidizability of cyclohexene at temp. above 50° depends obviously on the presence of peroxides. Oxygen compressed to 600-1300 atm. shows rapid increase of O₂ absorption bands. It can be extrapolated so that at 3000 atm. and above O consists practically of O₂ mols. only.

N. Thompson

PREOBRAZHENSKIY, V. A.

"On Pilocarpine Alkaloids. XVII. The Synthesis of d-Norpilocarpidine 'Novo-pilocarpidine'," Zhur. Obshch. Khim. 15, No. 7-8, 1945.

Mbr., Moscow Inst. Fine Chemical Technology im. M. V. Lomonosov, Inst. Organic Chem.,
Acad. Sci. SSSR

GOL'DMAN, A.M., kand.khim.nauk; PREOBRAZHENSKIY, V.A.; SEDOVA, S.M.;
TRUBNIKOVA, V.I., FURMAN, M.S., doktor khim.nauk

Production of adipic acid by the nitric acid oxidation of the
products of cyclohexane atmospheric oxidation. Khim.prom.
no.4:237-241 Ap '62. (MIRA 15:5)
(Adiptic acid) (Cyclohexane)

APT, L.S., kand.tekhn.nauk; PREOBRAZHENSKIY, V.A., kand.tekhn.nauk;
LADUT'KO, V.F., inzh.

Automatic "AZTP" plant for the manufacture of heat insulating
slabs from peat. Torf.prom. 39 no.2:20-24 '62. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut torfyanoy
promyshlennosti.
(Peat industry) (Insulation (Heat))

S/064/62/000/004/001/002
B101/3138

AUTHORS: Gol'dman, A. M., Candidate of Chemical Sciences,
Preobrazhenskiy, V. A., Sedova, S. M., Trubnikova, V. I.,
Furman, M. S., Doctor of Chemical Sciences

TITLE: Preparation of adipic acid by the nitric acid oxidation of
the products of cyclohexane oxidation in air

PERIODICAL: Khimicheskaya promyshlennost', no. 4, 1962, 7-11

TEXT: To synthesize adipic acid, experiments were conducted at the GIAP, in the nitric acid oxidation of: rectified cyclohexanol (I), crude cyclohexanol (II) consisting of 75% cyclohexanol and 25% X-oil (distillation residue from oxidation of cyclohexane in air), a mixture of 50% cyclohexanol + 50% X-oil (III), and 70% cyclohexanol + 30% X-oil. Reaction was obtained by adding the starting substance dropwise to 57% HNO₂ at 70°C, ratio HNO₃ (100%) : starting substance = 4.5 : 1, pressure 1-7 atm, copper-vanadium catalyst. Of the nitrous gases forming, NO and NO₂ can be regenerated to HNO₃ in the GIAP apparatus at 3.5-7 atm. After adding all the organic starting substance and completing the first state the mixture

Card 1/3

S/C64/62/000/004/001/002
B101/B138

Preparation of adipic acid ...

was heated to 100°C and agitated for 30 mins. Then the product was drained from the vessel, and the adipic acid and lower dicarboxylic acids precipitated at room temperature were filtered off. The more readily soluble lower dicarboxylic acids were removed with distilled H₂O at 40°C. The mother liquor was analyzed chromatographically for adipic, glutaric, succinic, propionic, and acetic acids. Results: (1) C₆H₁₁OH synthesized from C₆H₅OH and from C₆H₁₂ yielded equal amounts of adipic acid: 1.29 g per g starting substance, but a larger quantity of other dicarboxylic acids was formed with C₆H₁₂. (2) At 3.5 atm (optimum) the adipic acid yield (g adipic acid per g starting substance) was ~1.42 with I, ~1.36 with II, ~1.13 with III. Nitric acid consumption was insignificant: (g HNO₃ per g adipic acid) 0.85 with I, ~0.87 with II, ~1.08 with III. (3) Saponification of the esters in the X-oil with 16% NaOH (250°C, 55 atm, 30 min) resulted in additional quantities of cyclohexanol and cyclohexanone, the oxidation of which increased the adipic acid total yield (by 0.149 g per g saponified X-oil (total adipic acid yield 0.71 g per g X-oil). The resultant high consumption of HNO₃ is explained by incomplete separation of the hydrocarbon solution and the alkali. The adipic acid obtained from

Card 2/3

Preparation of adipic acid ...

S/064/62/000/004/001/002
B101/B138

X-oil is yellowish to brownish, but can be purified by recrystallization or with activated carbon. (4) Adipic acid has been produced in an experimental plant by oxidation of II since March 1960, and the methods had been found technically satisfactory. There are 4 figures and 2 tables. The most important English-language references read as follows: Chem. Week, 79, 71 (1956); I. Kamlet, US Patent 2844626, 1958.

Card 3/3

SOKOLOV, A.A.; PETRENKO, F.F.; KOVALEV, V.F.; YELISEYEV, M.A.;
ROZENPLENTER, N.F.; YANCHUKOVICH, A.E.; CHUBAROV, N.D.; KONTSEVOY,
N.S.; P~~RE~~OBRAZHENSKIY, V.A.; BOCHAROV, M.S.; KASHCHAYEV, G.G.;
SELENNOV, G.V.; SAFONOV, K.Ye.; FUNIKOV, S.A.; RASKIN, G.I.;
RABKIN, B.M.

Vadim Konstantinovich Gutsunaev; obituary. Torf.prom. 39
no.3:37 '62. (MIRA 15:4)
(Gutsunaev, Vadim Konstantinovich, 1914-1942)

Fuel Abstract

Natural Solid Fuels - 17

3105. GATHERING MILLED PEAT FROM RIDGES INTO PILES WITH ELECTRIC MACHINES. Preobrazhenskii, V.A. and Chubrov, N.D. (Torf. Prom. (Peat Ind.) Jan. 1952, 5-8).

PREOBRAZHENSKIY, V. A. - CHUBAROV, ENG. N. D.

Peat Industry

Some problems in the organization of work of peat dumping machines.
Torf.prom. 30 no. 1, 1953

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

KONTSEVOY, N.S., kandidat tekhnicheskikh nauk; PREOBRAZHENSKIY, V.A.,
kandidat tekhnicheskikh nauk.

Results in the second year of using electric machines for winning
cut peat. Torf.prom. 31 no.3:16-18 '54. (MLRA 7:6)

1. VNIITP. (Peat machinery)

VARENTOV, Vladimir Semenovich; GORENSHTEYN, Azar Borisovich;
PREOBRAZHENSKIY, Valentin Aleksandrovich; CHUBAROV, Nikolay
Dmitriyevich; KOLOTUSHKIN, V.I., redaktor; FRIDKIN, A.M.,
tekhnicheskiiy redaktor.

[Milled peat] Frezernyi torf. Moskva, Gos.energ.izd-vo,
1955. 272 p. (Peat) (MLBA 9:4)