

1. YEGOROV, V. V.
2. USSR (600)
4. Arboriculture
7. Conditions for growing trees along canals in an area generally alkaline.
Pochvovedenie, no. 11, 1952.

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

YEGOROV, V.V., zastavitel' direktora.

Improvement of land. Vokrug sveta no.12:18-22 D '53. (MLRA 6:12)

1. Pochvennyy institut Akademii nauk SSSR,
(Migan steppe--Reclamation of land) (Reclamation of land
--Migan steppe)

YEGOROV, V. V.

7/5
31.092
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Zasolennyye pochvy i ikh osvoyeniye (Soils with excessive salt and how to cope with them) Moskva, Izd-vo AN SSSR, 1954.
110 p. illus., diags., map, tables.
"Literatura": p. (111)
At head of title: Akademiya Nauk SSSR. Nauchno-Populyarnaya Seriya.

(EJURY, V. V.)
 (The mechanisms of the processes of salt accumulation in the deserts of the Aral-Caspian depression. V. A. Kovda, V. V. Egorov, A. T. Morozov, and Yu. P. Lebedev. *Trudy Pecherskogo Inst. im. V. V. Dokuchaeva, Akad. Nauk S.S.S.R.* 44, 6-78(1954).) — The authors cover the geol. history of the area from the point of view of the accumulation of salts, such as NaCl or CaSO₄·2H₂O, indicating that the process of salinization is still going on. The fresh waters, because of their relatively low sp. gr., stay on the surface of the ground waters which are saline. The authors discuss the rise of the brine waters from the oil-bearing types of formation, which contain primarily chlorides with practically no sulfates. These brines give rise to fluffy solonchak. Its salts are carried by the winds to distant areas and come in contact with earlier continental deposits contg. sulfates, giving rise to gypsum formation. The influence of the Caspian and Aral seas on the present-day accumulation of salts is discussed extensively, giving data on the relation of the compn. of the waters of the rivers to that of the seas. They show that the continental type of salt inflow into these seas contributes to their high sulfate content. In the section on the role of the plant cover on the accumulation of salts in the area a thorough review is presented, giving some new data on the compn. of the ash of plants growing under saline conditions in the area. Calcns. are made on the annual salt contribution of these plants to the soil in terms of kg./ha. The next section discusses in detail the significance of the river waters in the accumulation of salts in the area, giving data on the compn. of the respective rivers draining into the Caspian and Aral seas. This is followed by a discussion of the destiny of salts entering the depression, assoc. it with the mineralization of the ground waters in the geologic profile, followed by a review of the factors involved in this mineralization and the present status of the depression. From then on, the salts in the soil cover are

6 3

V.G. Kuznetsov

discussed, their seasonal dynamics, relation to irrigation, and methods of amelioration, covering the different stages in the process of salinization, solonchak, solonetz, and solod. In all sections considerable chem. data are presented to illustrate the points made. 45 references.

J. S. Joffe

2

USSR

✓ The formation of multiple solonchaks on the marshy terraces in the western Caspian Sea region. V. V. Egorov, *Trudy Pochvenoved. Inst. im. V. V. Dokuchaeva, Akad. Nauk S.S.S.R.*, 44, 187-210 (1954). -- When the waters of the Caspian Sea lagoons dry up slowly and thus lead to the formation of solonchaks, the salts will crystallize out at various rates. CaSO_4 is the first to ppt. completely; later the Na_2SO_4 and the Mg^{++} will decrease somewhat, and in the final stages Na_2CO_3 will become highly concd. in the remaining H_2O . Thus, if such marshes are analyzed by various depths and at various distances from the sea, great differences will be found in the analyses for CO_3^{--} , HCO_3^- , Cl^- , SO_4^{--} , Ca^{++} , Mg^{++} , Na^+ and K^+ presented in Table 1, which also gives its expression in the form.

W. I. - EC 2/4

YEGOROV, V.V.

Common regularities in the formation of coastal delta plains.
Izv. AN SSSR. Ser.geog. no.4:35-45 J1-Ag'55. (MIRA 8:10)

1. Pochvennyy institut imeni V.V.Dokuchayeva Akademii nauk SSSR
(Deltas) (Coast changes)

YEGOROV, Y. V.

"Salinization of Delta Soils in Maritime Regions and Conditions of Their Improvement," a paper presented at the 6th International Soil Science Congress, Paris, 28 Aug to 8 Sep 56.

In Library Branch #5

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962510008-9"

YEGOROV, V.V.; ZAKHAR'INA, G.V.

The degree of salinity of upper soil strata as a function of depth of ground waters. Dokl. AN SSSR. 109 no.4:851-853 Ag 1956.

(MLRA 9:10)

1. Pochvennyy institut imeni V.W. Dokuchayeva Akademii nauk SSSR.

Predstavleno akademikom I.V. Tyurinym.

(Soil chemistry) (Alkali lands) (Water, Underground)

USSR/Soil Science. Soil Genesis and Geography

J-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91364

Author : ~~Yegorov V.V.~~

Inst : IS USSR

Title : Soils of the Sarykaryshskiy Depression

Orig Pub : Tr. Aralo-Kaspiyak. kompleks. ekspeditsii IN SSSR, 1957,
vyp. 8, 176-206

Abstract : The soil formation conditions and the soils of the Sarykaryshskaya depression are described. Prevalent in the northern part of the depression are the dun-colored thin feebly-developed soils on marly loams and takyrl-like salty soils. Detritus soils which alternate with takyrl-formed soils and salt marshes are distributed in the western part of the depression at the foothill slides of Ustyurt plateau. In the southern part of the depression small-mound and thin dun-colored soils, strewn with limestones are prevalent. Strongly takyrl-formed soils and takyrs in stratified ancient-alluvial

Card : 1/2

YEGOROV, V.V.

LOPATIN, G.V.; DEN'GINA, R.S.; YEGOROV, V.V.; KOVDA, V.A., otvetstvennyy red.; TSVETKOV, N.V., red. izd-va; SMIRNOVA, A.V., tekhn. red.

[Delta of the Amu Darya] Del'ta Amu-Dar'i. Moskva, Izd-vo Akad. nauk SSSR, 1958. 156 p. (MIRA 11:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Kovda)
(Amu Darya Delta)

KOVDA, V.A., otvetstvennyy red.; YEGOROV, V.V., kand. geol.-mineral. nauk,
otvetstvennyy red.; ANTSILOVICH, M.Ye., red. izd-va; GUSEVA, A.P.,
tekhn. red.

[Drainage in the utilization of saline soils] Primenenie drenazha
pri osvoenii zasolennykh zemel'. Moskva, Izd-vo Akad. nauk SSSR,
1958. 173 p. (MIRA 11:8)

1. Akademiya nauk SSSR, Pochvennyy institut im. V.V. Dokuchaeva.
2. Chlen-korrespondent Akademii nauk SSSR (for Kovda).
(Drainage) (Reclamation of land)

IVANOV, P., prof.; YEGOROV, V., assistant.

Maintain the high fertility of virgin lands. Nauka i pered. op. v
sel'khoz 8 no.12:17-19 D '58. (MIRA 12:1)
(Reclamation of land)
(Soil fertility)

YEGOROV, V.V.

Classification system for delta soils in the arid regions of
the U.S.S.R. Pochvovedenie no.11:19-26 N '58. (MIRA 11:12)

1. Pochvennyy institut imeni V.V.Dokuchayeva AN SSSR.
(Soils--Classification) (Alluvial lands)

YEGOROV, Valentin Vasil'yevich; KOVDA, V.A., otv.red.; ANTSELOVICH, M.Ye.,
red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Soil formation and conditions for establishing irrigation systems
for the improvement of deltas in the Aral-Caspian Lowland] Pochvo-
obrazovanie i uslovia provedeniia orositel'nykh melioratsii v
del'takh Aralo-Kaspiiskoi nizmennosti. Moskva, Izd-vo Akad.nauk
SSSR, 1959. 294 p. (MIRA 12:12)

1. Chlen-korrespondent AN SSSR (for Kovda).
(Caspian Sea region--Irrigation)
(Caspian Sea region--Soils)

YEGOROV, V. V., Doc Biol Sci (diss) -- "Soil formation and the conditions for performing irrigation soil-improvement in the deltas of the Aral-Caspian low-land". Moscow, 1960. 38 pp (Moscow Order of Lenin State U im M. V. Iomonosov, Soil Biol Faculty), 130 copies (KI, No 14, 1960, 129)

KOVIDA, V.A.; YEGOROV, V.V.; MURATOVA, V.S.; STROGONOV, B.P.

Classification of soils by the degree and type of
salinity with reference to the salt resistance of
plants. Bot.zhur. 45 no.8:1123-1131 Ag '60.
(MIRA 13:8)

1. Pochvennyy institut im. V.V.Dokuchayeva AN SSSR i
Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR,
Moskva.

(Plants, Effect of salts on)
(Soils--Classification)

YEGOROV, V.V.

Sodium carbonate salinization in southern Sinkiang. Pochvovedenie
no. 5:1-12 My '61. (MIRA 14:5)

1. Pochvennyy institut imeni V.V. Dokuchayeva, AN SSSR.
(Sinkiang—Saline and alkali soils)

BIRYUKOVA, A.P.; YEGOROV, V.V., prof., doktor biol. nauk, otv. red.;
MOROZOV, A.T., prof., retsenzent; PAVLOV, A.N., red. izd-va;
TIKHOMIROVA, S.G., tekhn. red.; GUSEVA, A.P., tekhn. red.

[Effect of irrigation on the water and salt balance of soils in
the southern part of the trans-Volga region] Vliianie orosheniia
na vodnyi i polevoi rezhim pochv Iuzhnogo Zavolzh'ia. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 266 p. (MIRA 16:1)
(Volga Valley--Saline and alkali soils)
(Volga Valley--Irrigation)

YEGOROV, V.V.; POPOV, A.A.; KONOVALOV, N.N.

Consolidated zoning of the Volga-Akhtuba Flood Plain for soil improvement purposes. Pochvovedenie no.3:16-29 Mr '62. (MIRA 15:7)

1. Pochvennyy institut imeni V.V.Dokuchaeva i Yuzhnyy gosudarstvennyy institut po proyektirovaniyu vodnogo khozyaystva.
(Volga-Akhtuba Flood Plain—Reclamation of land)

YEGOROV, V.V.; POPOV, A.A.; KONOVALOV, N.N.

Schematic zoning of the Volga Delta for soil improvement purposes.
Pochvovedenie no.9:4-13 S '62. (MIRA 16:1)

1. Pochvennyy institut imeni V.V.Dokuchayeva,
(Volga Delta--Saline and alkali soils)

ROZANOV, A.N., doktor geol.-miner. nauk, otv. red. [deceased]; YEGOROV,
V.V., doktor biol. nauk, otv. red.; PAVLOV, A.N., red. izd-va;
YEGOROVA, N.F., tekhn. red.

[Effect of irrigation on soils in the oases of Central Asia]
Vliianie orosheniia na pochvy oazisov Srednei Azii. Moskva,
Izd-vo AN SSSR, 1963. 105 p. (MIRA 16:9)

1. AN SSSR. Pochvennyy institut imeni V.V. Dokuchayeva.
(Soviet Central Asia--Soils)
(Soviet Central Asia--Irrigation)

BOL'SHAKOV, A.F.; YEGOROV, V.V.; RODE, A.A.

Possibility of irrigation organization in the trans-Volga region.
Pochvovedenie no.2:1-9 F '64. (MIRA 17:3)

1. Pochvennyy institut imeni V.V.Dokuchayeva AN SSSR.

YEGOROV, V.V., doktor sel'skokhoz. nauk

Characteristics of bringing lands under irrigation in the Volga
Valley part of the Caspian Sea Region. Gidr. i mel. 16 no.3:
9-16 Mr '64. (MIRA 17:4)

1. Pochvennyy institut imeni V.V.Dokuchayeva.

YEGOROV, V.V.

Tasks of soil science in the development of irrigation farming.
Pochvovedenie no.411-8 Ap '64. (MIRA 17:10)

YEGOROV, V.V.; ZIMOVETS, B.A.; BONDAREV, A.G.; SLAVNYI, Yu.A.; ORIOVA,
Ye.M.; KAURICHEVA, Z.N.

Effect of the complex of soil cover on the effectiveness of
saturation irrigation on large checks. Pochvovedenie no.10:
6-15 0 '65. (MIRA 18:11)

1. Pochvennyy institut imeni Dokuchayeva.

~~YEGOROV, Vitaliy Vasil'yevich; ANIKINA, M.S., izdatel'skiy red.;~~
ZUDAKIN, I.M., tekhnicheskiy red.

[Water hammer in pipes] K voprosu o gidravlicheskom udare v trubakh.
Moskva, Gos. izd-vo obor. promyshl., 1958 7 p. (Moscow. Tsentral'nyi
aerogidrodinamicheskiy institut. Trudy no. 712) (MIRA 11:11)
(Water hammer)

YEGOROV, V. V.

"Remark on the New Instruction for the Editing of a New Map on 1:1,000,000 Scale", Trudy Novosibirskogo Inst. Inzh. Geod., Aerofotos'emki i Kartogr., 6, pp 77-85, 1954.

The wealth of detail on the new map in the 1:1,000,000 scale should be ascribed to the use of the "Instruction 1951." The main advantage of this "Instruction" is securing the maximum reproduction of cartographic pictures.

SO: Sum. No. 443, 5 Apr 55

SOV/154-58-1-17/22

AUTHOR: Yegorov, V. V., Docent, Candidate of Technical Sciences

TITLE: The Requests of Administrative Organizations for Small-Scale Topographic Maps (O trebovaniyakh vedomstvennykh organizatsii k melkomasshtabnym topograficheskim kartam)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 1, pp 133-135 (USSR)

ABSTRACT: A team of scientific workers of the NIIGAik (Novosibirsk Engineering Institute of Geodesy, Aerophotography and Cartography) made an investigation of the requests of various administrative organizations of Sibir' for new maps of their administrative districts on smaller scales. The following results were obtained: The maps in use until now (scale: 1 : 100 000) are obsolete in many respects and therefore not as useful as they should be. A list of examples is given. Among other things, the Gidrometeoroluzhba (Office of Hydro-Meteorology) also noted that the maps used so far do not show the difference in the stream flow (urez). The workers of the Biologicheskii institut ZSFAN (Institute of Biology, ZSFAN) noted the lack of so-called "relief-ribs" (rebrovniki)

Card 1/3

SOV/154-58-1-17/22

The Requests of Administrative Organizations for Small-Scale Topographic Maps

up to a height of one meter on maps (scale: 1 : 100 000). Other institutions again demand that the passability of parts of Sibir' during the rainy season should be indicated more precisely on topographic and other maps. It is intended, therefore, in the near future to issue new topographic maps of a scale of 1 : 100 000 of such regions which are thinly populated, but of greatest importance with respect to economic and industrial development. The new maps of various thinly populated regions of Sibir' which are, however, of great geographic importance have to meet the new requirements. Because of the comparatively long lapse of time between the topographic survey and the commercial production of new maps, it is intended to issue maps and at the same time also aerophotogrammetric plans of the respective areas. The aerophotogrammetric plans and air photographs can more easily solve some of the problems so far unsolved. There are 2 references, 2 of which are Soviet.

Card 2/3

SOV/154-50-1-17/22

The Requests of Administrative Organizations for Small-Scale Topographic
Maps

ASSOCIATION: Novosibirskiy institut inzhenerov geodezii, aerofotos"yenki i
kartografii
(Novosibirsk Engineering Institute of Geodesy, Aerophotography
and Cartography)

Card 3/3

YEGOROV, V. V. (Docent)

"Modern Large-Scale Topographical Maps and Ways and Means of Attaining their further improvement."

report presented at the^{xii} Scientific and Technical Conference, Novosibirsk Inst. of Engineers of Geodesy, Aerial Photography, and Cartography, 15-22 Feb '8. (Geodeziya i Kartografiya, '58, 4, 79-80)

YEGOROV, Vladimir Vasil'yevich; SOKOLOV, Oleg Viktorovich; TARLOVSKIY,
Lev Fedorovich; ROGOV, A.B., red.; SHAMAROVA, T.A., red. izd-
va; SUNGULOV, V.S., tekhn. red.

[Compiling and editing maps] Sostavlenie i redaktirovanie kart.
Moskva, Geodezizdat, 1962. 238 p. (MIRA 15:10)
(Maps, Topographic) (Cartography)

DRAGUNOV, V.I.; YEGOROV, V.Ye.; SHTEYN, L.F.

Pre-Upper Paleozoic reefs and reef formers as indicators of the tectonic activity in the northwestern margin of the Central Siberian Plateau.
Geol.i geofiz. no.1:72-84 '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut,
Leningrad.

(Central Siberian Plateau—Geology, Structural)
(Central Siberian Plateau—Reefs)

YEGOROV, V.Ye., inzh.

Concerning the principal components of a chromatograph for
analyzing combustion products. Elek.sta. 33 no.12:22-26 D '62.

(MIRA 16:2)

(Boilers--Equipment and supplies)

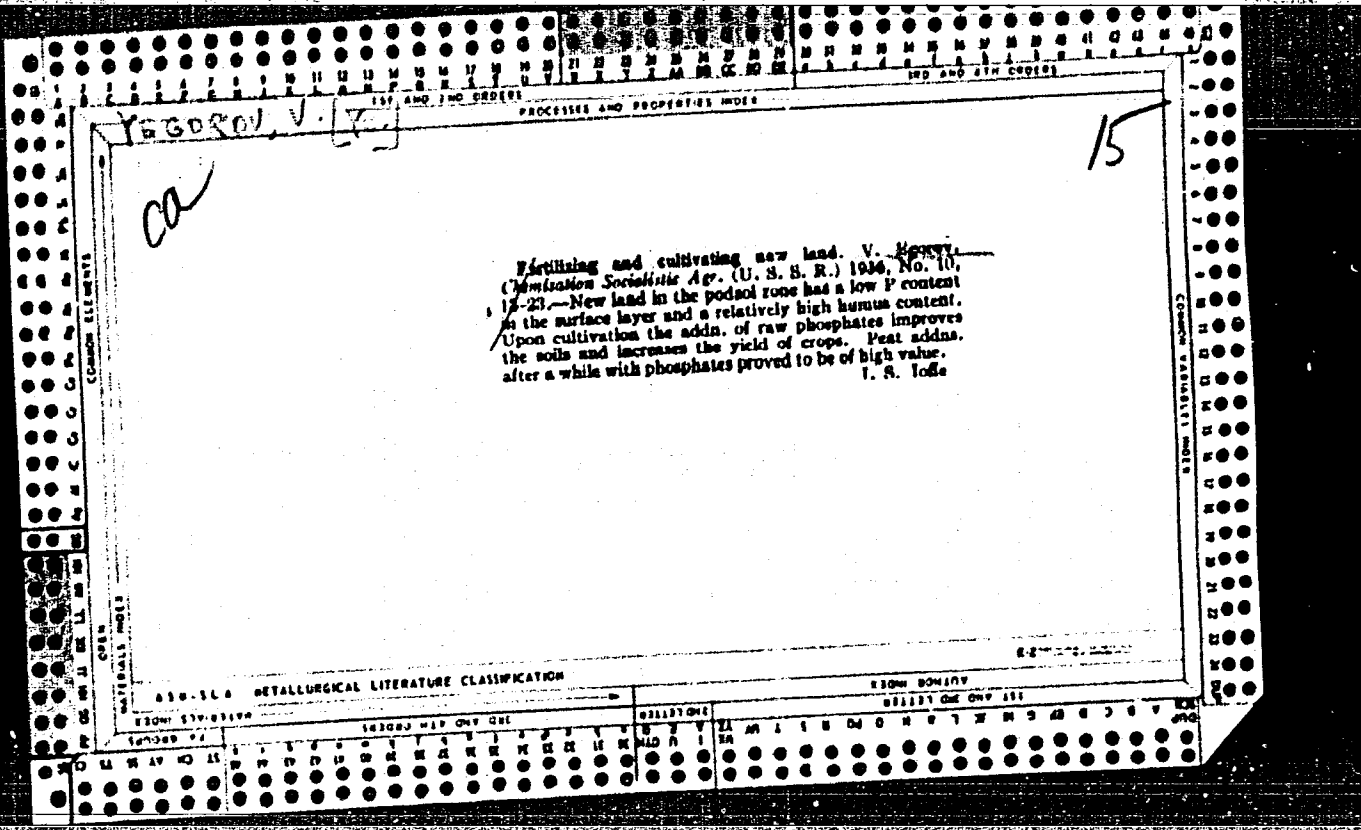
YEGOROV, V.V.; BOROVKOV, V.S.; LUKOVITSEV, P.D.

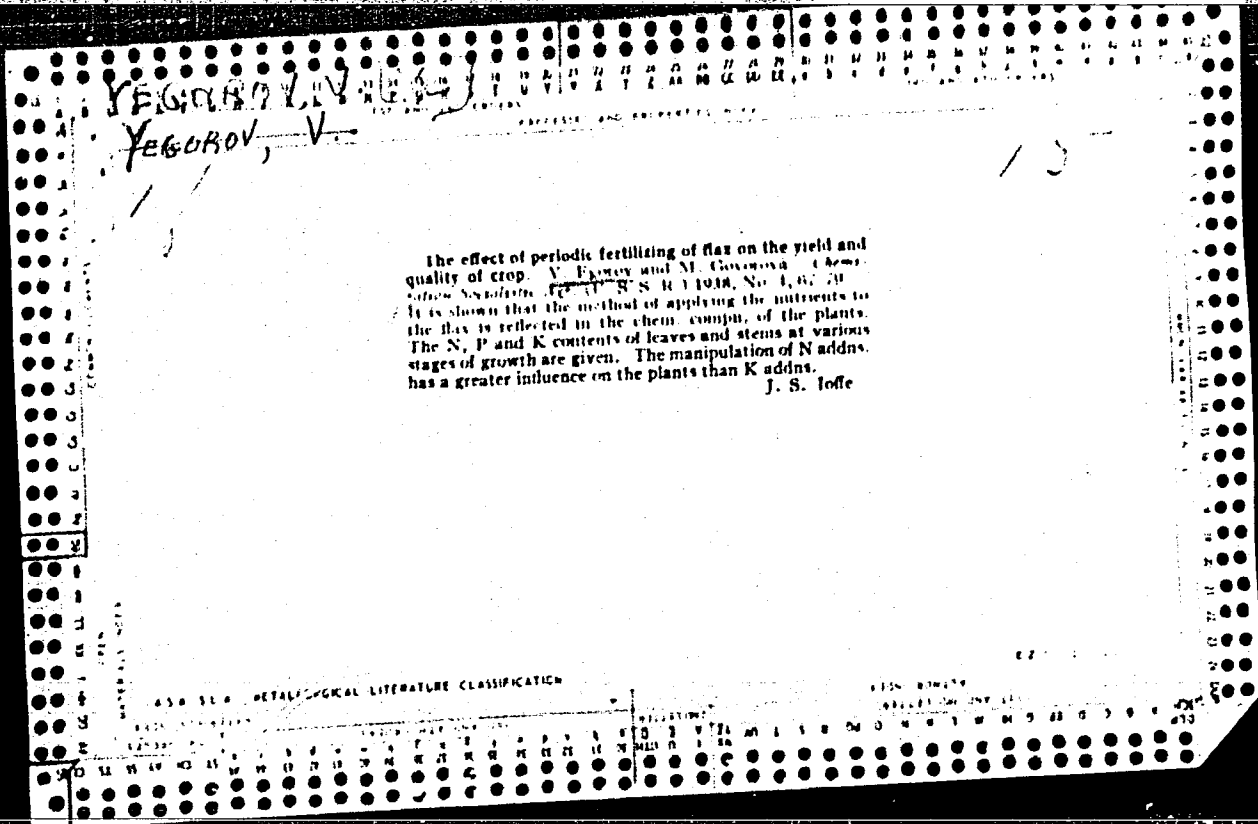
Electrophysical properties of an oxidized niobium electrode
during cathodic and anodic polarization. *Elektrokhimiya* 1
no.5:517-523 My '65. (MIRA 18:6)

1. Institut elektrokhemii AN SSSR.

YEGOROV, V.V., doktor sel'skokhoz. nauk (Moskva)

Characteristics of the operations of horizontal desalination
drainage. Gidr. i mel. 17 no.11:1-7 N '65. (MIRA 18:11)





PROCESSES AND PROPERTIES INDEX

YE. GAROV, V. Ye.

15

The preparation and improvement of virgin podzol soils
 V. E. Henny. *Vestnyk Akad. Sel'sko-Khoz. Nauk im. L. N. Goumilya, Nauch. Vopr. Obshchestvennykh i Prirodn. Nauch. Zemel* 1939, 33-50; *Khim. Referat. Zhur.* 1940, No. 7, 39-40.—The requirements of cultivated soils are high absorption capacity in regard to cations, a const. large amt. of org. substance and a favorable structure. The analytical indexes of the degree of cultivation of the soils are the content of mobile P₂O₅, absorption capacity, qual. compn. of the org. substance, relative contents of soil gels and the sp. gr. of the soil. Virgin soils and the podzol horizon are most improved by org. fertilizers (manure, peat, lupine, etc.), perennial grass, lime and mineral fertilizers. W. R. Henny

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

YEGOROV, Vasilii Yegorovich

Academic degree of Doctor of Agricultural Sciences, based on his defense, 27 June 1955, in the Council of Moscow Order of Lenin Agricultural Acad imeni Timiryazev, of his dissertation entitled: "The Role of Extended Application of Fertilizers, Crop Rotation, and Repeated Sowings in the Development of the Fertility of the Soils of the Non-Chernozem Belt."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 1, 7 Jan 56, Byulleten' MVO SSSR, Uncl.
JPRS/NY-548

VERBIN, Akim Akimovich, professor; KVASHIKOV, V.V., professor; KLECHETOV,
A.N., professor; CHIZHEVSKIY, M.G., professor; GRACHEVA, V.S.,
redaktor; YEGOROV, V.Ye., spetsredaktor; PRVZNER, V.I., tekhnicheskii
redaktor

[Agriculture] Zemledelie. Moskva, Gos. izd-vo selkhoz. lit-ry,
1956. 270 p. (MIRA 10:1)
(Agriculture)

VOROB'YEV, Sergey Andreyevich; YEGOROV, V.Ye.; KISELEV, A.N.; CHIZHEVSKIY,
M.G., professor, redaktor; GRACHEVA, V.S., redaktor; VESKOVA, Ye.I.,
tekhnicheskiy redaktor

[Manual for laboratory work on problems in agriculture] Rukovodstvo
k laboratorno-prakticheskim zaniatiyam po zemledeliiu. Izd. 2-oe,
perer. Pod red. M.G.Chizhevskogo. Moskva, Gos. izd-vo selkhoz. lit-
ry, 1956. 326 p. (MIRA 9:9)
(Agriculture--Study and teaching)

Yegorov, V. Ye.

CHIZHEVSKIY, Mikhail Grigor'yevich, prof.; KISELEV, A.N., dots.; YOROB'YEV,
S.A., dots.; YEGOROV, V.Ye., prof.; BALEV, P.M., dots.; YAMNIKOV,
A.N., assistant; CHLISHKIN, Yu.G., red.; GOR'KOVA, Z.D., tekhn.
red.

[General agriculture] Obshchee zemledelie. Pod red. M.G.Chizhevskogo.
Moskva, Gos.izd-vo sel'khoz. lit-ry, 1957. 357 p. (MIRA 11:2)
(Agriculture)

USSR / Soil Science. Mineral Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 2, 1958, 34386.

Author : ~~Yegorov, V. Yg.~~

Inst : Department of Field Cultivation of the Moscow
Agricultural Academy imeni Timiryazev.

Title : Effectiveness of Fertilizers and Repeated Sow-
ings in Lasting Application.

Orig Pub: Udobreniye i urozhay, 1957, No 5, 10-21.

Abstract: Experiments of many years in field and vegetation
cultivations by the Department of Field Cultiva-
tion of the Moscow Agricultural Academy imeni
Timiryazev, have shown that content of humus in
soil of the permanent cultivation (changeless)
was not different from the content of it in crop
rotation cultivation; on the other hand, the
amount of solute phosphates - in permanent culti-

Card 1/2

USSR / Soil Science. Mineral Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34386.

Abstract: vation of potatoes - was even greater. Potatoes increase the yield of the crop rotation by 15%, rye by 100%. Prolonged application of manure and NKP, with simultaneous raising of the agro-technical level, increased the coefficient of utilization of NKP, increased the remuneration per unit of fertilization, increased the content of humic acids, which were richer in C, contained more N, and had an increased cubic content of absorption. Specific importance of fulvoacids dropped. Cultivation of the same soil by means of annual and perennial plants and with mechanical treatment, but without application of fertilizers and without raising the standard of agro-technique, did not show similar shifts in the content of organic matters. -- V. L. Astaf'yeva.

Card 2/2

26

YEGOROV, V.Ye., doktor sel'skokhozyaystvennykh nauk, prof.

Results obtained from long-run experiments with fertilizer usage
and with growing crops in monoculture and in rotation. Izv. TSKhA
no. 3:29-58 '58. (MIRA 11:7)

(Fertilizers and manures)
(Rotation of crops)

YEGOROV, V.Ye., prof., doktor sel'skokhozyaystvennykh nauk

Scientific basis of the row crop system in agriculture. Biol. v
shkole no.2:71-77 Mr-Ap '62. (MIRA 15:2)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K. A.
Timiryazeva.

(Rotation of crops)

YEGOROV, V.Ye., doktor sel'skokhozyaystvennykh nauk, prof.;

DOSPEKHOV, B.A., kand.sel'skokhozyaystvennykh nauk

Effectiveness of liming old soils fertilized for a long
time. Izv. TSKHA no.3:7-24 '62. (MIRA 15:9)
(Liming of soils)
(Fertilizers and manures)

YEGOROV, V.Ye., doktor sel'skokhozyaystvennykh nauk, prof.;
LYKOV, A.M., aspirant

Content and composition of humus in continuously fertilized
soils, in crop rotation and monoculture. Izv. TSKHA no.3:66-77
'62. (MIRA 15:9)
(Podzol) (Fertilizers and manures) (Humus)

YEGOROV, V. Ye., prof.

Results of half a century's practice in applying fertilizers
in crop rotations and to monocultures. Zemledelie 24 no.11:
51-55 N '62. (MIRA 16:1)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A.
Timiryazeva.

(Fertilizers and manures) (Rotation of crops)

LYKOV, A.M., aspirant; YEGOROV, V.Ye., prof., nauchnyy rukovoditel'

Characteristics of organic substances in soils determined by
Springer's method in a continuous experiment of the Timiriazev
Agricultural Academy. Izv. TSKHA no.3:224-227 '63. (MIRA 16:9)
(Humus)

YEGOROV, V.Ye.; LYKOV, A.M.

Change of the organic matter in turf-Podzolic soils after 50 years
of farming. Pochvovedenie no.10:37-48 0 '63. (MIRA 16:12)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akadomiya
imeni K.A.Timiryazeva.

YEGOROV, V.Ye., doktor sel'skokhoz. nauk, prof.; DOSPEKHOV, B.A.,
kand. sel'skokhoz. nauk, dotsent

Liming of continuously fertilized soils in crop rotation and
monoculture. Izv. TSKHA no.6:125-137 '63. (MIRA 17:8)

YEGOROV, V.Ye., doktor sel'skokhozyaystvennykh nauk, prof.

Results of half a century's field experiments of the
Timiriazev Agricultural Academy with fertilizers, crop rota-
tion, and monocultures. Izv. TSKHA no.6:30-56 '63.
(MIRA 17:8)

YEGOROV, V.Ye., prof., doktor sel'skokhoz. nauk; KUROCHKIN, n.i.,
assistant

Evaluating the effectiveness of the liming of continuously
fertilized soils. Izv. TSKHA no.4:5-16 '65. (MIRA 18:11)

1. Kafedra zemledel'ya i metodiki opytного dela Moskovskoy
sel'skokhozyaystvennoy ordena Lenina akademii imeni Timiryazeva.

PANNIKOV, V.P., Prof.; YEGOROV, V.Ye., Prof.

Having farming level is the main problem. Zemledelie 27 no.9:5-11
8 '65. (MIRA 18:30)

YEGOROV, V.Ye., inzh.

Study of combustion and heat exchange in the furnace of the
TP-15 boiler operating on anthracite culm and natural gas.
Teploenergetika 11 no.3:6-12 Mr '64. (MIRA 17:6)

1. Kurskaya teploelektrotsentral' No.1.

YEGOROV, Y.S.

Measuring the temperature of electron gas and the concentration
of charged particles in pulsed neon discharge. Zhur. tekhn. fiz. 31
no.3:352-356 Mr '61. (MIRA 14:3)

1. Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova.
(Electric discharges through gases)
(Electron gas)

YEGOROV, Ya.

Important aspect of the State Bank's work. Den. 1 kred. 21 no.5:
62-63 My '63. (MIRA 16:5)

1. Upravlyayushchiy Noginskim otdeleniyem Gosbanka.
(Noginsk—Banks and banking)

YEGOROV, Ya.A., aspirant

Determining the performance of a piston during gas-exchange processes in a two-stroke engine. Izv.vys.ucheb.zav.; mashinostr. no.8:192-196 '63. (MIRA 16:11)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

KRUGLOV, M.G., kand.tekhn.nauk; DMITRIY, V.P., aspirant; YEGOROV, Ya.A.,
aspirant

Improving the economic efficiency of an engine with a power-driven
supercharger operating with partial loads. Izv.vys.ucheb.zav.; ma-
shinostr. no.8:205-211 '63. (MIRA 16:11)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

YEGOROV, Ya.A., inzh.

Optimum supercharging pressures for engines with power-operated
superchargers. Izv.vys.ucheb.zav.; mashinostr. no. 12:150-157
'63. (MIRA 17:9)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

KRUGLOV, M.G., kand.tekhn.nauk; YEGOROV, Ya.A., inzh.; DMITRIYEV, V.P., inzh.

Improving the apparatus for testing engines. Trakt. i sel'khoz mash.
33 no.5:18-20 My '63. (MIRA 16:10)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. Baumana.

KRUGLOV, M.G., doktor tekhn. nauk; YEGOROV, Ya.A., inzh.

Determining available energy of exhaust gases by the diagram
of pressure changes in the outlet pipe. Vest. mashinostr. 43
no.12:17-21 D '63. (MIRA 17:8)

27104-66 EWT(d)/EWT(1)/EWT(m)/EWP(f)/T-2 WW

ACC NR: AP6017405

SOURCE CODE: UR/0122/65/000/008/0033/0037

AUTHOR: Kruglov, M. G. (Doctor of technical sciences); Yegorov, Ya. A. (Candidate of technical sciences) ^{4/5}

ORG: none

TITLE: Effect of the exhaust system on the operation of a high-speed two-cycle diesel engine with loop scavenging for the case of combination supercharging

SOURCE: ⁴⁵ Vestnik mashinostroyeniya, no. 8, 1965, 33-37

TOPIC TAGS: diesel engine, supercharged engine, engine exhaust system, engine turbine system, turbine compressor, turbine

ABSTRACT: The authors propose a theoretical and experimental method for selecting the optimum dimensions for the exhaust system of a diesel engine with a combination supercharging system. An equation is given for power balance on the turbocompressor shaft,³ and formulas are derived for calculating the coefficients which appear in this equation for the available power of the exhaust gases, the power transmitted to the piston by the exhaust gases during gas exchange, the available power of the scavenging air, losses in the exhaust system, turbine efficiency and compressor power demand. The proposed theoretical method is experimentally checked by studying the operation of a two-cycle V-4
Card 1/2

UDC: 621.436.13.001.5

27104-66

ACC NR: AP6017405

diesel engine with loop scavenging ($D = 130$ mm, $S = 140$ mm) under combination supercharging conditions. The data show that a pulse turbine with an efficiency of 0.82-0.84 and a compressor with an efficiency of 0.72-0.74 may be used to produce a mean supercharge in a high-speed two-cycle engine with loop scavenging and increase the power by 45-50% at $g = 0.175-0.180$ kg/ef hp-hr. Orig. art. has 5 figures and 12 formulas. INDEX

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 004

Card 2/2 *fv*

ACC NR: AP7005229 (A, V) SOURCE CODE: UR/0145/66/000/009/0087/0091
AUTHOR: Kruglov, M. G. (Doctor of technical sciences, Professor); Yegorov, Ya. A.
(Candidate of technical sciences)

ORG: MVTU im. N. E. Bauman

TITLE: Energy distribution in the exhaust stroke of a two-cycle engine

SOURCE: IVUZ. Mashinostroyeniye, no. 9, 1966, 87-91

TOPIC TAGS: diesel engine, gas turbine, kinetic energy, exhaust gas dynamics

ABSTRACT: The article is a report on experimental research done at the Moscow Technical College on the effect which the cross sectional area of the exhaust manifolds in the 4D 13/14 two-cycle loop-scavenged diesel has on the energy distribution in the exhaust stroke with regard to losses. The length of the manifold was held constant at 600 mm and diameters of 80, 67 and 50 mm were studied. The engine had two exhaust manifolds, each joining two cylinders. A stroboscopic MAI-2 indicator was used for measuring the static and overall pressures of the exhaust gases in two cross sections of the manifold. The results show that up to 40% of the total available power is in the form of kinetic energy when the exhaust gases are moving at high velocities. This fact should be taken into account when evaluating the energy potentialities of a gas turbine. The time relationship of the gas velocity should be taken into account when

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UDC: 621.432

ACC NR: AP7005229

calculating the kinetic energy since considerable errors are introduced if the average velocity is used (the results may be more than 30% lower than the true values). Heat losses through the walls of the exhaust manifolds are insignificant, reaching no more than 4% of the total available energy of the gases in the cases considered by the authors. On the other hand, hydraulic losses reach 20% of the available energy. Methods are given for determining the energy components, and it is shown that hydraulic losses may be determined with sufficient accuracy for practical purposes from the average flow parameters as in the case of steady-state motion of an incompressible fluid. Orig. art. has: 4 figures, 2 formulas.

SUB CODE: 13, 21/ SUBM DATE: 10Jan66

Card 2/2

L 3640-66 EWT(1)/EWT(m)/EWP(j)/T IJP(c) WW/GG/RM

ACC NR: AP6022016

SOURCE CODE: UR/0120/66/000/003/0156/0157

AUTHOR: Tomashevskiy, E. Ye.; Yegorov, Ye. A.; Savostin, A. Ya. 4/ORG: Physico-Technical Institute AN SSSR, Leningrad (Fiziko-tehnicheskii institut AN SSSR)TITLE: Using magnetic-field pulse modulation for recording the original form of NMR and EPR spectra 2/SOURCE: Pribery i tekhnika eksperimenta, no. 3, 1966, 156-157

TOPIC TAGS: NMR, EPR, magnetic field pulse modulation

ABSTRACT: Modulation of magnetic field by high-amplitude pulses (exceeding the absorption range) is suggested for the purposes of recording original NMR and EPR spectra. The method results in a 100% modulation of the absorption signal and ensures, without line-shape distortion, a higher sensitivity as compared to the method of "small" sinusoidal modulation. The direct record of the original spectrum enhances accuracy in calculating absorption-line momenta. The method, first suggested by B. E. Holder et al. (Phys. Rev., 1955, 98, 1, 265), involves the signals modulated by trapezoid pulses having a repetition rate of a few dozen pulses per second and a duty factor of 0.5; simultaneously, a slow linear sweep of the magnetic field is performed. NMR spectra of polymethyl methacrylate and an EPR spectrum of DFG are shown. The method is applicable to standard NMR wide-line spectrometers as well as to superheterodyne-type EPR spectrometers. Orig. art. has: 4 figures. [03]

SUB CODE: 20, 09/ SUBM DATE: 29Apr65/ ORIG REF: 001/ OTH REF: 002/ AID PRESS: 539

Card 1/1

UDC: 539.28.078

YEGOROV, Ya.B.

Continuous mechanized production line of sewage pipes. Stroi.
i dor. mash. 8 no.11:29-30 N '63. (MIRA 17:1)

BOCHAROV, Yu.P., kand.arkhitektor; YEGOROV, Ya.L., inzh.

Some problems in the water supply of the cities of the R.S.F.S.R.
Vod. i san. tekhn. no.10:25-27 O '64. (MIRA 18:3)

YEGOROV, Ya.N.

Experience in improving the qualifications of technological
information experts. Opyt. rab. po tekhn. inform. i prop.
no.3:39-41 '63. (MIRA 16:12)

1. Zamestitel' nachal'nika Tsentral'nogo byuro tekhnicheskoy
informatsii Kemerovskogo soveta narodnogo khozyaystva.

SHOIKIN, N. I.; PLIVACHEV, NA. M.; TERLUKOVA, E. D.; LEBKOV, YA. I.

"Conversions of Ethyl Cyclopentane in the Presence of Ru and Pd Catalysts under Hydrogen Pressure in a Circulating System," Doklady Akad Nauk, 95 (6), 1211-4 (1954).

Evaluation B-85325, 14 Jun 55

YEGOROV, YE.

RAILROAD ENGINEERING

Creative cooperation between workers of the institute and railroad workers. V pcm. profaktivu 13 no. 16, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ²October 195~~3~~. Unclassified.

33159

S/120/61/000/006/030/041
E035/E435

9,2560 (1024,1040,1154)

AUTHORS: Yegorov, Ye., Sycheva, G.

TITLE: D.C. Stabilizer

PERIODICAL: Pribory i tekhnika eksperimenta, no.6, 1961, 130-131

TEXT: The circuit diagram is shown in Fig.1. The main components of the circuit are: П4Д (P4D) - a powerful regulating transistor, П201 (P201) - an amplifying transistor, Д808 (D808) - a zener diode, giving a reference voltage at the base of the P201, Д7Г (D7G) - a thermo-compensating germanium diode. Assume the load resistance R_H becomes smaller: as a result, current through the load, the regulating transistor and the resistance ($R_1 + R_3$) in the emitter of the circuit increases. The negative potential on the P201 base increases and the current passing through the emitter-base, reference diode D808 and diode D7G is increased. This causes an increase of the amplifying transistor collector current and a reduction of the base current of the regulating transistor P4D with a corresponding increase of the voltage drop across the transistor (the emitter-collector resistance of the P4D increases). The current through the load R_H and the regulating transistor is reduced, thus

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S/120/61/000/006/030/041
E035/E435

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D.C. Stabilizer

leaving it almost unaltered. The operation of the circuit is similar if there is an increase of the load resistance. By varying R_1 a definite current can be established to the base of the amplifying transistor and also sets the necessary current passing through the regulating transistor and the stabilized load. The circuit effectively stabilizes currents up to 400 mA at a load resistance R_H of 20Ω . By varying the load resistance $R_H = 20\Omega$ by $\pm 1\Omega$, the stabilized current varies by ± 0.03 mA from 300 mA. The stabilized current as a function of load resistance variations for three current values of 200, 300 and 400 mA, is shown in Fig.2. The internal resistance of the stabilizer is calculated by the approximate formula $R_i = \Delta R I_c / \Delta I$ by substituting the data taken from the graphs for stabilized current values of 200, 300 and 400 mA. The internal resistance is respectively 10, 7.9 and 6.6 $k\Omega$. The variation of stabilizer supply voltage by $\pm 10\%$ from 32 V causes variation of the stabilized current by ± 25 mA from 300 mA. The presence of three semiconductor elements makes the circuit sensitive to ambient temperature variations. For reducing the

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D.C. Stabilizer

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S/120/61/000/006/030/041
E035/E435

influence of temperature on stabilizer operation, thermo-compensating elements may be introduced - a germanium diode A7 (D7) - into the reference diode circuit. The results of incorporating the compensating diode in the circuit is shown in Fig.3. Without temperature compensation, the stabilized current fell by 3 mA from 300 mA when the ambient temperature was increased from 20 to 40°C, but with the inclusion of the compensator D7G only by 1 mA. The described stabilizer is used for stabilizing the supply voltage of a thermoconductometric gas analyser. There are 3 figures and 1 Soviet-bloc reference.

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[Abstractor's note: Abridged translation.]

SUBMITTED: April 5, 1961

Card 3/0 3

GOL'DANSKIY, V.; YEGOROV, Ye., nauchnyy sotrudnik

Neutrons weld and crosslink polymers. Tekh.mol. 31 no.2:30-31
'63. (MIRA 16:6)

1. Chlen-korrespondent AN SSSR (for Gol'danskiy). 2. Laboratoriya
yadernoy i radiatsionnoy khimii Instituta khimicheskoy fiziki
AN SSSR (for Yegorov).

(Polymers) (Neutrons)

KOZNETSOV, S.V., dots.; YEGOROV, Ye.A.

Role of the nervous system in passive immunogenesis in paratyphoid
infections of guinea pigs. Nauch. trudy Samark. inst. sov. torg.
8:215-218 '57. (MIRA 12:7)
(PARATYPHOID FEVER) (IMMUNITY) (NERVOUS SYSTEM)

AUTHORS: Slutsker, A.I. and Yogorov, Ye.A. SOV/120-59-5-19/46
TITLE: An Apparatus for the Measurement of Small-angle X-ray Scattering
PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 5, pp 89 - 94 (USSR)

ABSTRACT: A description is given of an apparatus which may be used to measure scattered X-rays down to angles of about 1 min. The apparatus is shown schematically in Figure 2. The specimen under investigation is in the form of a plate 1 and is irradiated by a wide divergent X-ray beam. The beam has a sharp edge defined by the lead plate 2. Rays scattered by the edge of this plate are received by the baffle plate 4 which can be adjusted by means of a screw arrangement so that it just reaches the edge of the beam. The angular distribution of the radiation scattered by the specimen is measured by the counter 6 which can be rotated in the plane of the drawing (Figure 2) about an axis through the specimen 1. The counter carries a slit 5 whose width is 80 μ . The height of the slit is 20 mm. The stability of the X-ray tube 11 is controlled by the subsidiary counter 7. The chamber is ✓

Card1/3

SOV/120-59-5-19/46

An Apparatus for the Measurement of Small-angle X-ray Scattering

evacuated to exclude scattering by air. Both GM and scintillation counters were used as detectors. The apparatus may be used to study various phenomena and processes which take place in regions having linear dimensions of 10 - 1 000 Å and which give weak monotonic X-ray scattering at small angles. For example, Figure 6 shows the spectrum obtained with organic glass. Curve 1 in this figure refers to the original glass specimen and Curve 2 to the same specimen with "bubbles" of the order of 300 Å ($\lambda = 1.54$ Å). The vertical axis gives the number of counts per sec and the horizontal axis gives the scattering angle. Figure 8 gives the spectrum for 99.97% Al, annealed in vacuum (Curve 1) and for the same specimen (3% tensile deformation) (Curve 2). Acknowledgment is made to S.N. Zhurkov who directed this work. There are 8 figures, 2 tables and 7 references, of which 2 are Soviet, 2 German and 3 English.

Card 2/3

SOV/120-59-5-19/46
An Apparatus for the Measurement of Small-angle X-ray Scattering

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR
(Physico-technical Institute of the Ac.Sc.USSR)

SUBMITTED: August 7, 1958 ✓

Card 3/3

S/120/63/000/001/048/072
E192/E582

AUTHOR: Yegorov, Ye.A.

TITLE: Stabilization circuit for the oscillation-amplitude
in regenerative pick-ups

PERIODICAL: Pribery i tekhnika eksperimenta, no. 1, 1963,
167 - 168

TEXT: The system described permits stabilization of the oscillation-amplitude in various types of regenerative transducers. The stabilization is based on the fact that the oscillation-amplitude is dependent on the anode supply voltage; the amplitude increases with the supply voltage. The practical circuit is shown in Fig. 1, where the regenerative circuit is controlled by a pentode, type 6Zh5P (6Zh5P). The stabilizing feedback amplifier is based on a radio noise-measuring device, type ИП-26 (IP-26), which is coupled to the pick-up by a rod antenna. The output of this amplifier is proportional to the amplitude of the oscillations and this is rectified in the detector circuit and then applied to the control grid of the stabilizing tube. The oscillation-amplitude can be adjusted by varying the bias of the grid of the control tube
Card 1/2

Stabilization circuit

S/120/63/000/001/048/072
E192/E382

by the potentiometer R_1 . On the other hand, by varying R_2 it is possible to adjust the oscillation-amplitude as well as the degree of stabilization. The time constant of the system is 1 sec for $C_1 = 10 \mu F$. There are 2 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut
AN SSSR (Physicotechnical
Institute, AS USSR)

SUBMITTED: April 28, 1962

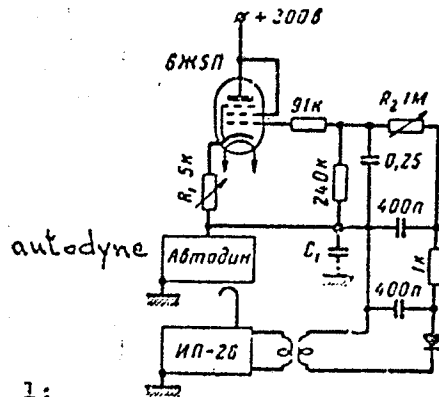


Fig. 1:

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YEGOROV, Ye.A.

Circuit for stabilizing autodyne generation amplitudes. Prib. 1
tekh. eksp. 8 no.1:167-168 Ja-F '63. (MIRA 16:5)

1. Fiziko-tehnicheskiy institut AN SSSR.
(Electric circuits)
(Electronic apparatus and appliances)

ZHURKOV, S.N.; YEGOROV, Ye.A.

Effect of tensile stress on molecular mobility in oriented polymers.
Dokl. AN SSSR 152 no.5:1155-1158 0 '63. (MIRA 16:12)

1. Fiziko-tekhnicheskiy institut im. A.F.Ioffe AN SSSR.
2. Chlen-korrespondent AN SSSR (for Zhurkov).

ZHURKOV, S.N.; YEGOROV, Ye.A.

Identification of - and - forms of polypeptides by the method
of nuclear magnetic resonance. Vysokom.soed. 5 no.5:772-773 My
'63. (MIRA 17:3)

1. Fiziko-tehnicheskii institut imeni A.F.Ioffe AN SSSR.

KOMAROV, N.M., professor; YAKHOV, Ye.G., inzhener.

Ventilation systems on livestock farms. Nauka i bereg.op. v
sel'khoz. 7 no.8:25-26 '57. (MLRA 10:9)
(Farm buildings--Heating and ventilation)

YEGOROV, YE. I.

Defended his Dissertation for Candidate of Technical Sciences in the Leningrad Polytechnical Institute, Leningrad, 1953

Dissertation: "Effect of Hydrogen on the Structure and Properties of Cast Iron"

SO: Referativnyy Zhurnal Khimiya, No. 1, Oct. 1953 (W/29955, 26 Apr 54)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962510008-9

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962510008-9"

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 203 (USSR) SOV/137-57-1-1536

AUTHORS: Yegorov, Ye. I., Romashin, Yu. S.

TITLE: On the Photometry of the Dark Component in the Metallographic Investigation of Alloys (O fotometrirovanii temnoy sostavlyayushchey pri metallograficheskom issledovanii splavov)

PERIODICAL: Tr. Novosibir. inzh-stroit. in-ta, 1955, Vol 5, pp 169-174

ABSTRACT: The authors propose a method for determining the amount of the dark component in the structure of ferrous alloys by means of photometric evaluation of the microscope's field of vision. The photometry was carried out with the aid of a low-resistance FI galvanometer having a 610 mm/ μ a current sensitivity and a type FESS-4 photoelectric cell with a 6900 ma/mm integral sensitivity illuminated with light reflected from the metallographic specimen investigated or from the mirror (zero reading). Through experiments carried out on irons and low-carbon steels it was established that the per cent content of the dark component is proportional to the ratio $(A_m - A) / A_m$ where A_m is the reading from the mirror and A from the specimen investigated. The method is convenient for

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SOV/137-57-1-1536

On the Photometry of the Dark Component in the Metallographic (cont.)

obtaining objective characteristics of alloys with a fine dispersive or a complex structure of the dark phase when the application of other methods is inconvenient.

A. F.

Card 2/2

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962510008-9

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962510008-9"

if ready, test it

Ye.l.

Application of the method of vacuum heating for determination of hydrogen in cast iron. E. I. Egorov (V. V. Kuflyshch, Eng. Construction Inst., Novosibirsk). *Zavodskaya Lab.* 21, 853-61(1955).—The best sampling device for molten cast iron or steel for detg. H is made of Cu. with welded hinges; these permit cooling the sample to room temp. in 2-3 sec. Only with white cast iron can the method of vacuum heating be as dependable as it is for steel. For gray or malleable cast iron the method of vacuum melting is necessary. G. M. Kovalchuk

CH
of gas

YEGOROV, Ye.I.

Using radioactive isotopes in foundry practice; review of published materials. Lit.proizv. no.3:28-31 Mr '58. (MIRA 11:4)
(Radioisotopes--Industrial applications)
(Founding)

YEGOROV, Yevgeniy Karpovich

[Why our collective farm is planting more buckwheat] Pochemu nash
kolkhoz rasshiraet posevy grechiki. [Kuibyshev] Kuibyshevskoe
kn-vo, 1956. 14 p. (MLRA 9:10)
(Buckwheat)