

BEGINNING
REEL NUMBER
391
FROM
NOVIKOV, S. T.

NOVIKOV, S. T.

CHANGES AND PROPERTIES INDEX

Changes conditioned by age which occur in the acute reaction and the alkali reserve of the blood of certain animals. S. T. Novikov. *Exptl. Med. (U. S. S. R.)* 1937, No. 3, 95-102; *Chem. Zentr.* 1938, I, 4073.--In rabbits and dogs the alkali reserve increased up to the 6th month of life; during the course of further development a decrease took place. The pH of the blood underwent antiparallel changes during growth which were parallel to changes in the alkali reserve. M. G. M.

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

11 f

NOVIKOV, S. I.
ca

Changes in the alkaline reserve and active blood reaction of growing organisms caused by acids and alkalis. S. I. Novikov *Izd. vopk. (Ukraine)* 1938, 61-6; *Chem. Zhrn.* 1940, 1, 745; cf. C. A. B. (UKR). -Alkali introduced into the blood of rabbits increases the blood reserve more in young animals than in old. After intravenous injection of acids the alk. reserve of the blood of adult animals was reduced more than in young animals. The alk. reserve in dogs increased on a meat diet but showed no change on feeding with bread. H. E. Wirth

11F

COMMON VARIABILITY INDEX

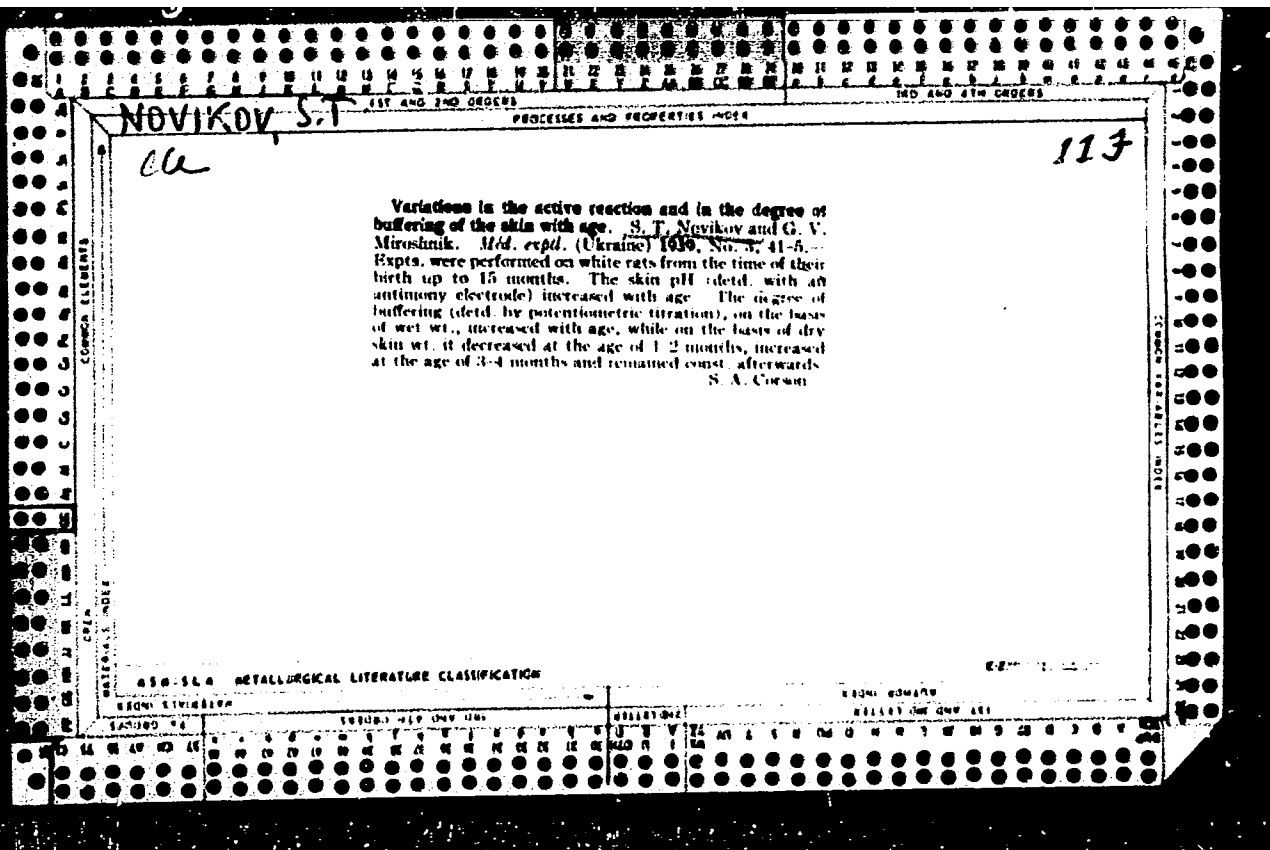
COMMON ILLUMINATION

ADD-566 METALLURGICAL LITERATURE CLASSIFICATION

EDOM CYCRAVM

EDOM BOMIRV

EDOM CYCRAVM	EDOM BOMIRV
EDOM BOMIRV	EDOM CYCRAVM



Novikov S.I.

Dehydrogenating ability of muscle tissue of some fish and amphibians. S. I. Novikov (N. V. Gogol Pedagog. Inst., Nezhin, Ukr. S.S.R.). *Doklady Akad. Nauk S.S.S.R.*, 93, 131-3 (1954). Minced specimens of muscle in phosphate buffer in the presence of $(\text{CH}_3\text{CO}_2\text{H})$ and methylene blue were freed of air by evacuation and were warmed to 10-30°. The dehydrogenating ability was const. in carp regardless of temp., but in *Rana esculenta* a rise of temp. from 10° to 30° led to a 3-fold increase of the rate of dehydrogenation.
G. M. Kozolapov

USSR / Farm Animals. Silkworms.

Q-7

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45339

Author : Novikov, S. T.; Moskalenko, O. V.

Inst : Not given

Title : The Influence of Certain Biologically Active Substances Upon the Development and Productiveness of the Mulberry-Feeding Silkworm (*Bombyx mori* L.). Report No. 2. The Effect of the Addition of Thyroidin to the Food of the Mulberry-Feeding Silkworm on the Output and Quality of Cocoons.

Orig Pub : Nauk. zap. Nizhn'sk. dorzh. ped. in-t, 1956, 7, 82-87

Abstract : The mulberry leaves were treated with thyroidin solution in concentrations of 2:100,000, 4:100,000 and 8:100,000, and were fed to larvae of silkworm thrice a day at 19-23° C. The larvae reared on these leaves have a higher weight before changing into pupae; the cocoons spun by them have

Card 1/2

53

L 26106-45 ENT(4)/INT(0)/IMP(3) 10-1/11-1
ACCESSION: AP4547214 8/0190/64/006/010/1844/1847

22
21
13

AUTHOR: Tutorokiy, I. A.; Novikov, S. V.; Dogadkin, B. A.

TITLE: Reaction of cis- and trans-polyisoprenes with thio-compounds

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 6, no. 10, 1964, 1844-1847

TOPIC TAGS: polyisoprene, polyolefin, thio compound, natural rubber, gutta serena, thiobenzoic acid, cumene hydroperoxide, azodiisobutyronitrile

ABSTRACT: The reaction kinetics of natural rubber and gutta percha with thiobenzoic acid were investigated in benzene, m-xylene and chlorobenzene at 25-125C in the absence of initiators or in the presence of cumene hydroperoxide and azodiisobutyronitrile. Polyisoprenes and thiobenzoic acid were used in equimolar concentrations ranging from 0.05 to 1%, and the reaction was followed by conductimetric titration of unreacted thiobenzoic acid. The results show that in the absence of initiators, the reaction proceeds to the extent of 15% in 5 min., during which a destruction of the polymer takes place. Upon addition of initiators, the reaction proceeds further and it becomes proportional to the concentration of the initiator. A single addition of cumene hydroperoxide (6%) increases the extent of reaction to 25%, whereas small repeated additions (1-1.5%) bring the reaction

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L 26106-65

ACCESSION NR: AP4047214

to completion. The dependence of the extent of the reaction on temperature is most marked in the case of natural rubber and gutta percha, due to increased formation of polymeric -CH-CH groups with an increase in temperature and a decrease in their life.

BR

The extent of the reaction and its dependence on concentration of the reactants both show a maximum in the range of 0.1-0.4%, due to the formation of associations of isoprene molecules with the possible participation of double bonds. No significant difference was observed between the cis and trans isomers of polyisoprene. Orig. art. has: 5 graphs.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow fine chemical technology institute)

SUBMITTED: 13Dec63

ENCL: 00

SUB CODE: GC,MT

NO REF SOV: 003

OTHER: 015

Card 2/2

L 21211-65 EWP(m)/SPF(c)/EWP(j) Po-4/Pr-4 RM
ACCESSION NR: AP5001480

S/0190/64/006/012/2163/2167

AUTHOR: Tutorskiy, I. A.; Novikov, S. V.; Dogadkin, B. A.

TITLE: Interaction of polyisoprena with thiocompounds. Part 2. The mechanism of the reaction of polyisoprene with thiocompounds

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 6, no. 12, 1964, 2163-2167

TOPIC TAGS: polyisoprene, natural rubber, gutta percha, ethyl thioglycolate, thiobenzoic acid, isopentene, cumene hydroperoxide, azoisobutyronitrile, double bond

ABSTRACT: The reactivity of isopentene, gutta-percha and natural rubber with ethyl thioglycolate and thiobenzoic acid was studied experimentally in order to investigate the different behavior of double bonds in low-molecular compounds and in polymers. The cumene hydroperoxide catalyzed condensation of a mixture of 2-methyl-1-butene and 2-methyl-2-butene with ethyl thioglycolate, for 4 hrs. at 25C in 1% solution in m-xylene, gave 67% conversion based on ethyl thioglycolate; the latter did not react in several days at 15-125C in benzene or m-xylene solution with rubber or gutta-percha in the presence of cumene hydroperoxide or azoisobutyronitrile. The low reactivity of the double bonds in polymers is ascribed to the low electron density, due to the delocalization of the double bonds in

L 21211-65
ACCESSION NR: AP5001480

regularly arranged 1,5 linkages in the polymer molecules. Thiobenzoic acid reacted with gutta-percha and natural rubber at 75-125C in the presence of 1.5-15 mol.% cumene hydroperoxide. The conversion based on thiobenzoic acid, calculated from the spectroscopic or chemical analysis of the reaction products, was found to be significantly higher than the results of conductometric analysis. The difference is explained by the heterogeneous distribution of added thiobenzoic acid and the enrichment of high molecular fractions by the added compound. The reaction, starting at a double bond, proceeds in the same molecule primarily as a chain reaction at adjacent double bonds. Similar reaction models and product distributions have been observed in previous publications and by other workers. Orig. art. has: 2 tables and 4 formulas.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 17Feb64

ENCL: 00

SUB CODE: 00

NO REF SOV: 004

OTHER: 007

Card 2/2

TUTORSKIY, I.A.; NOVIKOV, S.V.; DOGADKIN, B.A.

Reaction of polychloroprene with thiobenzoic acid. Dokl. AN SSSR
159 no.2:389-390 N. '64. (MIRA 17:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.
Lomnosova. Predstavleno akademikom A.A. Balandinym.

L 1664-66 EWT(m)/EPP(c)/EWP(j)/T RM

ACCESSION NR: AP6023664

UR/0076/85/039/009/2157/2162

541.124/.1280847.022

AUTHOR: ^{44.55} Tuperskiy, I. A.; ^{44.55} Novikov, S. V.; ^{44.55} Dogadkin, B. A. 40
37
BTITLE: Some aspects of the mechanism of chemical reactions of diene polymers ^{44.55}

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 9, 1965, 2157-2162

TOPIC TAGS: natural rubber, bromination, chlorination, polymer structure, chemical bonding

ABSTRACT: Chemical reactions of 1,5-polyene systems are characterized by the fact that the products of their reactions are inhomogeneous in composition. Bromination of polyisoprenes was carried out in an attempt to prepare products having 5, 10, 20%, etc. of the theoretical bromine content. The structure of all the products (films) was inhomogeneous. It was postulated that during incomplete bromination, in addition to products containing almost no bromine, other products are formed in which the degree of saturation is very high and may be close to the maximum; subsequently, these components behave like immiscible liquids, and this would account for the inhomogeneity of the structure of the film and its low mechanical strength. Ex-

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L 1664-66

ACCESSION NR: AP502388*

periments were performed which confirmed this hypothesis. The high-molecular fraction of the product resulting from the reaction of thiobenzoic acid and polyisoprene was found to contain a larger amount of added thiobenzoic acid than did the low-molecular one. The findings indicate that the statistical nature of the reactions studied is altered by the development of intramolecular chain processes. The mechanism of the reactions is explained on the basis of the interaction between double bonds in 1,5-polyene systems. A general mechanism is proposed for the chlorination of diene polymers. Orig. art. has: 1 table. 3

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. N. Y. Lomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 15May64

ENCL: 00

SUB CODE: GC

NO REF SOV: 008

OTHER: 016

Card 2/2 *EL*

TUTORSKIY, I.A.; NOVIKOV, S.V.; DOGADKIN, B.A.

Peculiar features of the kinetics of chemical reactions of sacro-
molecular compounds. Usp. khim. 35 no.1:191-199 Ja '66.
(MIRA 19:1)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
M.V. Lomonosova.

L 02140-67 ENT(m)/EWP(j)/T IJP(c) NN/RM
ACC NR: AP6035961 SOURCE CODE: UR/0074/66/035/001/0191/0199

AUTHOR: Tutorskiy, I. A., Novikov, S. V. and Dogadkin, B. A., Moscow Institute of Fine Chemical Technology im. N. V. Lomonosov (Moskovskiy Institut tonkoy khimicheskoy tekhnologii)

TITLE: Kinetic characteristics of chemical reactions of high molecular compounds

SOURCE: Uspekhi khimii, v. 35, no. 1, 1966, 191-199

TOPIC TAGS: chemical kinetics, macromolecular chemistry

ABSTRACT: The study of the kinetic characteristics of homogeneous macromolecular reactions is attracting the steady attention of researchers. The interest in this area is brought about by the search for ways to control chemical transformations of polymers and to conduct controlled reactions to obtain chemical derivatives with desired properties. Comparing the kinetic parameters of functional groups included in the polymer chain with the analogous parameters of those same groups in low molecular compounds, one can assume a number of factors which reduce the pre-exponential numbers of the Arrhenius equation in the case of large molecules. First, it follows from the kinetic theory that with an increase in the size (mass) of the molecule the Brownian motion rate of the molecule is lowered. Second, the high viscosity of polymeric solutions reduces the number of collisions of reacting groups.

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L 02140-67

ACC NR: AP6035961

Third, the steric factor is high because of shielding of functional groups as a result of folding of the polymeric chains. With the regular succession of the functional groups in the polymer chain, the interaction of neighboring groups can reflect the activation energy. This review is devoted to explaining the effect of the factor of including functional groups in the polymeric chain and of the interaction of alternated functional groups on the kinetic parameters of macromolecular reactions. Orig. art. has: 4 tables. /JPRS: 37,177/

SUB CODE: /SUBM DATE: none / ORIG REF: 007 / OTH REF: 041

Card 2/2 *hh*

NOVIKOV, S.V.

Provide greater variety and improve the quality of furniture at
Leningrad enterprises. Der. prom. 1/1 no.4:3-5 Ap '65. (MIRA 18:5)

NOVIKOV, Sergey Vladimirovich; KOTLYAREVSKAYA, G.A., red.

[Consumers' claims concerning the design and quality of
furniture] Eksploatatsionnye pretenzii k konstraktsii i
kachestvu mebeli. Leningrad, 1965. 17 p.

(MIRA 18:7)

NOVIKOV, S. Ya.

Furniture Industry

Exploit our potentialities for increasing the productivity of labor. Ser. i
lesokhim. p. sm. 1 No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

NOVIKOV, S.Ya., inzh.

Finishing high-class furniture with new finishing materials. Der.prom.
7 no.9:17-18 S '58. (MIRA 11:11)

1. Leningradskaya mebel'naya fabrika "Inturist."
(Furniture industry) (Wood finishing)

NOVIKOV, Stepan Yakovlevich; STRONGIN, Abram Mironovich; GOLUBEVA,
T.M., inzh., red.; FREGER, D.P., red.izd-va; BOL'SHAKOV, I.A.,
tekhn. red.

[Experience in the manufacture of built-in furniture in enter-
prises in Czechoslovakia]. Opyt proizvodstva vstroennoi mebeli
na predpriatiakh Chekhoslovakii. Leningrad, 1961. 23 p.
(Leningradskii Dom nauchno-tekhnicheskoi propagandy. Seria:
Derevoobrabatyvaiushchaia promyshlennosti', no.6)

(MIRA 15:3)

(Czechoslovakia--Built-in furniture)

NOVIKOV, Stepan Yakovlevich; GOLJBEVA, T.M., inzh., red.; FRIEGER,
D.P., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Experience in the manufacture of stationary kitchen furniture
of stationary kitchen furniture in the Czechoslovak Socialist
Republic] Opyt proizvodstva stacionarnoi kukhonomi mebeli v
Chekhoslovatskoi Sotsialisticheskoi Respublike. Leningrad, 1961.
24 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy.
Obmen poredovym opytom. Seria: Derevobrabatyvalushchaia pro-
myshlennost', no.2) (MIRA 15:3)
(Czechoslovakia--Kitchen cabinets)

NOVIKOV, S.Ya., inzh.

Equipment developed by the Special Construction Bureau and
adopted by the enterprises of the woodworking industry under
the Leningrad Economic Council. Der.prom. 10 no.6:17-18
Je '61. (MIRA 14:7)
(Leningrad economic region--Woodworking industries--
Equipment and supplies)

NOVIKOV, S.Ya.

Over-all mechanization of technological processes at the wood-working enterprises of the Leningrad Economic Council. Der. prom. ll no.7:21-23 J1 '62. (MIRA 17:1)

1. Spetsial'noye konstruktorskoye byuro Upravleniya mebel'noy i derevoobrabatyvayushchey promyshlennosti Soveta narodnogo khozyaystva Leningradskogo ekonomicheskogo rayona.

NOVIKOV, S.Ya.; NEFORENT, G.S.

Effectiveness of the production of furniture for one-family
apartments. Der. prom. 12 no.4:16-17 Ap '63. (MIRA 16:10)

1. Spetsial'noye proyektno-konstruktorskoye byuro Upravleniya
mebel'noy i derevoobrabatyvayushchey promyshlennosti Leningradskogo
soveta narodnogo khozyaystva.

NOVIKOV, S.Ya., inzh.

Presses for the production of bent-glued furniture parts.
Der. prom. 12 no.8:19-21 Ag '63. (MIRA 16:11)

1. Spetsial'noye proyektno-konstruktorskoye byuro Uprav-
leniya mebel'noy i derevoobrabatyvayushchey promyshlennosti
Leningradskogo soveta narodnogo khozyaystva.

YEL'TSOV, S.P.; NOVIKOV, T.N.; ZAREZIN, I.V., red.

[Handbook on safety measures in the merchant marine;
general considerations] Spravochnik po okhrane truda
na morskoy transporte; obshchie polozenia. Moskva,
Transport, 1965. 466 p. (MIRA 18:5)

NOVIKOV, T.N.; YEL'TSOV, S.P., red.; QAMAYUNOV, R.G., red.; YAKOVLEVA, V.I.,
red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Collections of laws and regulations governing safety and industrial sanitation for the merchant marine] Sbornik pravil i polozenii po tekhnike bezopasnosti i promyshlennoi sanitarii na morskoi flote. Sostavil T.N.Novikov. Moskva, Izd-vo "Morskoi transport," 1957. 620 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Ministerstvo morskogo flota.
(Ships--Safety measures) (Ships--Sanitation)

EL'TSOV, Stepan Petrovich; NOVIKOV, Teodor Nikitovich; MEDZVEDSKIY,
Pavel Ivanovich; ANDREYEVA, L.S., red.; LAVRENOVA, N.B.,
tekhn. red..

[Working time and rest periods of the workers of marine
transportation] Rabochee vremia i vremia otdykha rabotnikov mor-
skogo transporta. Moskva, Izd-vo "Morskoi transport," 1961.
174 p. (MIRA 15:8)

(Merchant marine)

NOVIKOV, T.N.

Labor protection during work with epoxy resins. *Biul.tekh.-ekon.*
inform. Tekh.upr.Min. mor.flota 7 no.11:53-57 '62. (MIRA 16:9)

1. Starshiy inzh. Otdela truda i zarabotnoy platy Ministerstva
morskogo flota.

(Merchant seamen--Diseases and hygiene) (Epoxy resins)

POPOV, Garri Sergeyeovich; RASTORGUYEV, Petr Vasil'kevich; STEN'KO, Yuriy Mikhaylovich; NOVIKOV, Teodor Nikitovich; BARKOV, G.D., red.; BONDAREV, G.I., kand. med. nauk, red.; MOSHANOVA, T.P., red.izd-va; TIKHONOVA, Ye.A., tekhn. red.

[Medical handbook for the ship's captain] Meditsinskiy spravochnik kapitana. Pod obshchei red. G.D.Barkova. Moskva, Izd-vo "Morskoi transport," 1963. 213 p. (MIRA 16:5)

1. Direktor Tsentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny vodnogo transporta (for Barkov).
(MEDICINE, NAVAL—HANDBOOKS, MANUALS, ETC.)

NOVIKOV, V.; MATVEYEV, Yu.M.; RUZHINSKIY, M.B.; BATIST, A.I.; IOSSEL', G.;
KOROLEV, M.; IVANTSOV, V.; ARONOV, I.; SVETLAKOV, V.; ZAYONCHIK,
L.Z.; RASPOPOV, I.V.; SERDYUKOV, G.V.; GRISHKOV, A.I.; MAKZEYEV, I.P.;
DELLO, A.A.; SHUMNAYA, V.A., inzh.; SPIRYAGIN, L.P., inzh.; GRISHKOV,
A.I.; KARDONOV, B.A.; BURDIN, V.M., kand. tekhn. nauk; MOLGACHEV,
D.A., inzh.; MUZALEVSKIY, O.G.; RIVKIN, A.A.; KEYS, N.V.; KOMISSAROV,
A.I.

New developments in research. Stal' 25 no.8:842-845 S '65.
(MIRA 18:9)

ACC NR: AP6027575

SOURCE CODE: UR/0018/66/000/006/0029/0093

AUTHOR: Novikov, V. (Captain)

ORG: None

TITLE: Training develops proficiency

SOURCE: Voyenny vestnik, no. 6, 1966, 89-93

TOPIC TAGS: ground force training, military engineering, *FLOATING BRIDGE*

ABSTRACT: A high standard of proficiency attained by a pontoon company is praised, and the training technique and exercises are discussed. The training of new recruits usually starts in winter together with the old rankers. For this purpose, large openings are cut in the river ice for assembling 3 or 4 pontoon spans. The preparation of equipment and launching facilities, the launching operations, the handling and hauling of the pontoons are described. The assembling procedures of pontoon ferries is briefly examined. The training also includes the various reconnaissance operations in order to train the company for locating favorable sites for river crossings. The formation of a march column and the unloading of pontoons, boats and construction equipment are reviewed. It is recommended that the pontoon line be assembled along the river bank and then towed to the central river crossing position. Some useful suggestions proposed by various members of the company are mentioned. The launching and use of the boats for transporting and towing operations are also generally described. The actions of various officers and sergeants are highly praised. Orig. art. has: 4 photos.

SUB CODE: 05, 15/ SUEM DATE: None

Card 1/1

NOVIKOV, V., inzh.

Planning and estimating the work of the crews of self-propelled cargo carriers. Rech.transp. 23 no.9:14-16 S '64.

(MIRA 19:1)

1. Gor'kovskiy institut inzhenerov vodnogo transporta.

NOVIKOV, V., inzh.

Effectiveness of the basic work index of the repair and operating centers of the fleet. Rech. transp. 24 no.11:24-25 '65.

(MIRA 19:1)

1. Gor'kovskiy institut inzhenerov vodnogo transporta.

L 27726-66 EWT(d)/EWT(m)/T-2/EWP(h) JKT/JT

ACC NR: AN6002275 (N) SOURCE CODE: UR/9023/66/000/002/0004/0004

AUTHOR: Novikov, V. (TASS correspondent)

ORG: None

TITLE: "KA-26" undergoes examinations

SOURCE: Sovetskiy patriot, no. 2, 1966, 4

TOPIC TAGS: helicopter, helicopter engine

ABSTRACT: The "KA-26" helicopter designed by the Design Office of N. J. Kamov underwent various tests including the training for field crop spraying. The helicopter was designed for a range of 400 km (with 6 passengers) and a speed up to 170 km/hr. It has a carrying capacity up to 900 kg and is equipped with two piston engines of 325 hp each. The cabin is about 8 m long and about 4 m high. M. A. Kupfer was mentioned as an Assistant to Chief Designer and V. V. Gromov as a test-pilot.

SUB CODE: 01 / SUM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 1/1 BIG

36
B

2

NOVIKOV, V. A.; REZVYAKOV, A. P.; DIVNORGORISEV, G. P.

Long-Distance Communications, Dal'nyaya svyaz', Svyaz'izdat, 1948, Moscow, 411 pp.

TABCON W-15730, 12 Dec 50

NOVIKOV, V. A.

Technology

(Long-distance communication). Moskva, Sviaz'izdat, 1951.

Monthly List of Russian Accessions, Library of Congress, November, 1952. UNCLASSIFIED.

NOVIKOV V.A.

NOVIKOV, V.A.; KUDINOV, V.V.; FOGODIN, A.M., inzhener, redaktor; VERINA,
G.P., tekhnicheskiy redaktor

[Telephony] Telefonija. Moskva, Gos. transp. shel-dor. izd-vo.
rt.2. [Basic principles of telephone transmission. Long-distance
telephone connection. Selective telephone connection] Osnovy teorii
telefonnoi peredachi. Dal'niaia telefonnaia svjaz'. Izbiratel'naja
telefonnaia svjaz'. 1953. 434 p. (MLRA 7:9)
(Telephone, Wireless)

NOVIKOV, V.A.; GOL'DSHTEYN, D.Ye., professor, zaveduyushchiy.

Repair of high-voltage roentgen cables of electrically safe X-ray apparatus. Vest.rent.i rad. no.2:57-59 Mr-Ap '53. (MLBA 6:6)

1. Kafedra rentgenologii Kazanskogo instituta usovershenstvovaniya vrachey imeni V.I. Lenina. (X-rays--Apparatus and supplies)

GRODNEV, Igor' Ismaylovich; SOKOLOV, Vasil'y Vasil'yevich; NOVIKOV, V.A.,
redaktor; BUSHANKINA, N.G., redaktor; KHELEMSKAYA, L.M., tekhnicheskiiy redaktor.

[Coaxial cables] Koaksial'nye kabeli. Moskva, Gos. izd-vo lit-ry
po voprosam svyazi i radio, 1954. 225 p.[Microfilm](MIRA 8:2)
(Electric cables)

NOVIKOV, V. A., dotsent.

Application of the theory of quadripoles to the analysis of
telephone apparatus compensator circuits. Sbor.nauch.trud.LITIZHT
no.6:153-166 '54. (MLRA 9:1)
(Telephone lines) (Transducers)

NOVIKOV, V. A.

Novikov, V. A.

"Investigation of Certain Phenomena of the Exchange of Conversations between Circuits of the Long-Distance and Subscriber Telephone Networks." Min Railways USSR. Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obraztsov. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

NOVIKOV, V.A.,kand.tekhn.nauk,dots.

Analysis of electric properties of differential system telephone
apparatus with the aid of equivalent differential transformer
circuits. Sbor.LIIZHF no.161:195-204 '58. (MIRA 11:12)
(Telephone--Apparatus and supplies)

Novikov, V. A.

PHASE I BOOK EXPLOITATION

SOV/4426

Leningrad. Institut inzhenerov zheleznodorozhnogo transporta
Avtomatika, telemekhanika i svyaz' (Automation, Telemechanics,
and Communications) Moscow, Transzheldorizdat, 1960. 230 p.
(Series: Its: Sbornik, vyp. 169) 1,000 copies printed.

General Ed.: V. N. Listov, Professor; Ed.: G. I. Marenkova,
Engineer; Tech. Ed.: Ye. N. Bobrova.

PURPOSE: This book is intended for technical personnel and
scientists engaged in the fields of automation, telemechanics,
and communications.

COVERAGE: This collection of articles presents various methods
of analysis and synthesis of electric circuits. New designs
are described and ways of improving technical and economic
indices of communication instruments investigated. The
articles contain computations for individual types of communi-
cation and telemechanical systems. No personalities are
mentioned. Some of the articles are accompanied by references.

Card ~~1/11~~

Automation, Telemechanics (Cont.)

SOV/4426

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the History of Electrical Engineering Education in Russia 3
This article contains a description of the development and
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revolutionary Russia.

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Designing Long-Distance Automatic Telephone Service 13
For the automation of switching equipment for long-
distance telephone communication, the author recommends
cascade corrections of up to 8 channels and a sufficiently
low and variable via equivalent of attenuation in individu-
al channels. His computations and recommendations are
based on American experience and data. There are two
references, both English.

Kaller, M. Ya., Candidate of Technical Sciences, Docent.
Utilization and Interpretation of Certain Concepts of the
Theory of Linear Operators in Communication Problems 24

~~Card 2/11~~

NOVIKOV, Vasilii Aleksandrovich; SOKOLOV, A.G., inzh., red.;
KHITROV, P.A., tekhn.red.

[Long-distance communications] Dal'niaia svias'. Moskva,
Vses.izdatel'sko-poligr.ob'edinenie M-va putei soobshchenia,
1960. 246 p. (MIRA 13:7)
(Railroads--Communication systems)
(Telecommunication)

VOVKOV, Vladimir Mikhaylovich; NOVIKOV, Vasily Aleksandrovich;
PONOMAREV, Aleksandr Arkad'yevich; NIKOL'SKIY, V.A., inzh.,
red.; BOBROVA, Ye.N., tekhn.red.

[Wire communication systems on railroads] Provodnaya svyaz' na
zheleznodorozhnom transporte. Moskva, Vses.izdatel'sko-poligr.
ob'edinenie M-va putei soobshchenia, 1960. 255 p.

(MIRA 13:12)

(Railroads--Communication systems)

NOVIKOV, V.A.

PHASE I BOOK EXPLOITATION

SOV/5209

Divnogortsev, Gennadiy Petrovich, Vasiliy Aleksandrovich Novikov,
and Aleksandr Petrovich Rezvyakov

Teoriya dal'ney svyazi (Theory of Long-Distance Communication) 3d
ed., rev. Moscow, Svyaz'izdat, 1960. 494 p. 16,000 copies
printed.

Resp. Ed.: V. A. Novikov; Tech. Ed.: S. F. Karabilova; Ed.:
A. F. Balakirev.

PURPOSE: This book has been approved by the Ministerstvo svyazi
SSSR (Ministry of Communications USSR) as a textbook for telecom-
munication tekhnikums.

COVERAGE: The textbook presents the basic problems of the theory of
long-distance communication. It examines all the types of com-
munications which are now organized along two-wire and four-wire
circuits, with the exception of the d-c pulse telegraph. The con-
tents and organization of this textbook correspond to those of

Card ~~1/14~~

NOVIKOV, V.A., kand.tekhn.nauk, dotsent

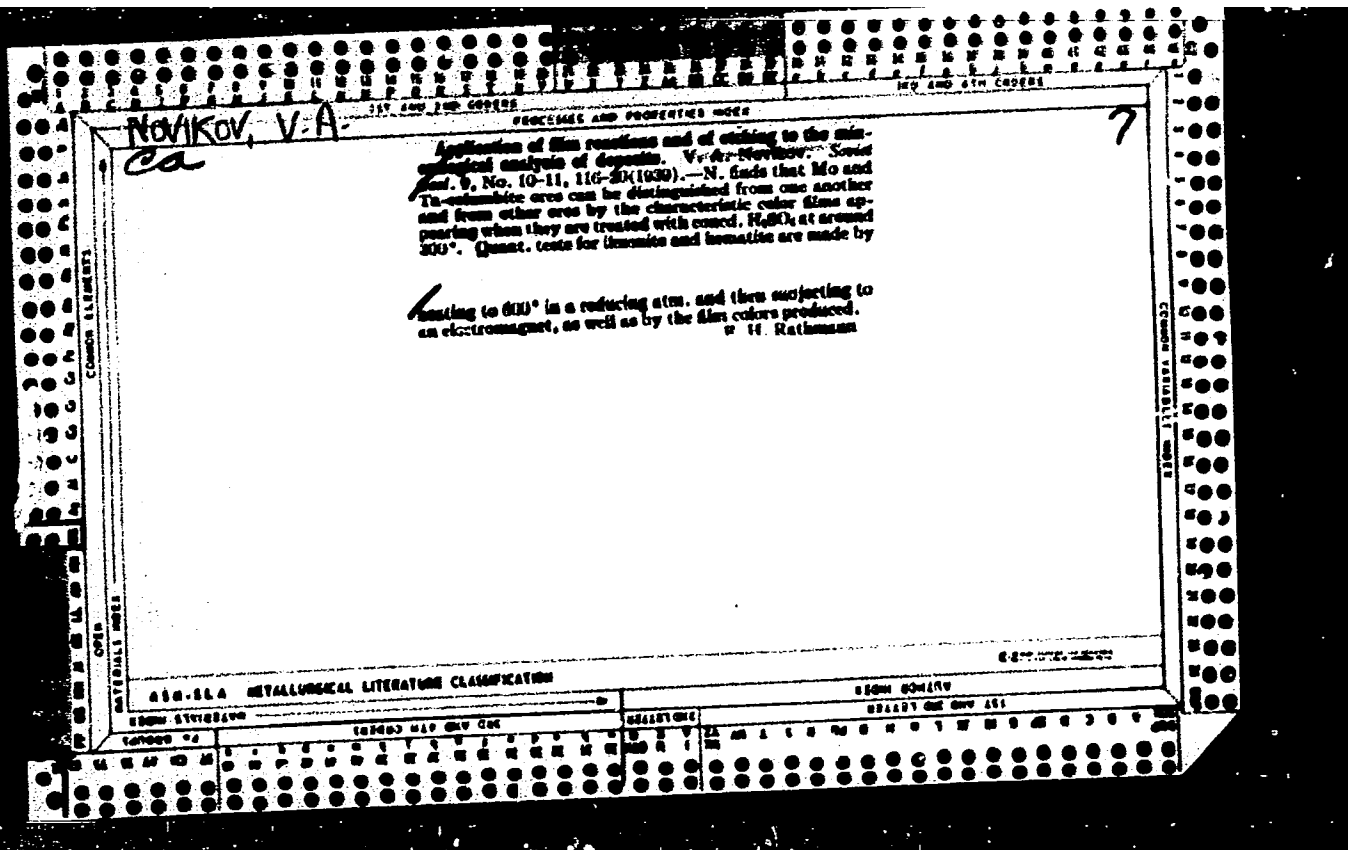
Designing long-distance telephone communication networks in
connection with their automation. Sbor. LIIZET no.169:13-23
'60. (MIRA 13:11)

(Telephone)

DIVNOGORTSEV, Gennadiy Petrovich; NOVIKOV, Vasilii Aleksandrovich; FARBER, Yuliy Davidovich; BELOUS, V.M., kand. tekhn. nauk, retsenzent; YAKUB, Yu.A., kand. tekhn. nauk, retsenzent; NOVIKOV, V.A., otv. red.; PETROVA, V.Ye., red.; SHEFER, G.I., tekhn.-ed.

[Long-distance communications apparatus] Apparatura dal'nei sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961. 439 p. (MIRA 14:11)

(Radio relay lines) (Telephone)



NOVIKOV, V.A., gornyy inzhener; PODNEBESOVA, L.N., gornyy inzhener.

Testing machines for short delay blasting. Gor.zhur. no.1:62-63
Ja '56. (MLBA 9:5)

(Blasting)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,
pp 63-64 (USSR) 15-57-2-1608

AUTHOR: Novikov, V. A.

TITLE: Separation of the Fine Fraction in Unconsolidated
Rocks (Fraktsioniravaniye tonkikh klassov rykhlykh
porod)

PERIODICAL: V sb: Kora vyvetrivaniya. Nr 2, Moscow, AN SSSR, 1956,
pp 391-401

ABSTRACT: The author discusses several details in the technique
of separating unconsolidated rocks into fractions. It
is sometimes advisable to study a wider range of
fractions (0.25 mm to 0.01 mm). For determining the
light minerals, the author recommends that separation
within the investigated interval be made by using
liquids of various specific gravities. The author
uses a selection of liquids with specific gravities

Card 1/2

Separation of the Fine Fraction (Cont.)

15-57-2-1608

of 2.5, 2.6, 2.7, 2.9, and, in special cases, 3.3. These liquids will permit the separation of the following specific-gravity groups: 2.9 (amphibole, pyroxene, olivine, epidote, zoisite, iron oxide and hydroxide, ilmenite, and chromite), 2.9 to 2.7 (chlorite, talc, calcite, dolomite, etc.), 2.7 to 2.6 (quartz, plagioclase, etc.), 2.6 to 2.5 (potassium feldspar, serpentine, kaolin, etc.), >2.5 (beidellite, montmorillonite, halloysite, gypsum, glauconite, etc.). In centrifuging to separate different fine fractions, the Moshev centrifuge gave good results. Its only fault is the necessity of using Tule liquid. In making the fractional separations, the author used the TsE-Z (6000 rpm) centrifuge in a double centrifuge process. He recommends that the Tule liquid be replaced by tetrabromethane (sp gr 2.95 to 3.0). He discusses the method of preparing this medium. In separating fractions by magnetic properties, it is advisable to use the wet method with alcohol. This technique permits a separation of fractions down to 0.01 mm to 0.003 mm.

Card 2/2

B. S. F.

NOVIKOV, V.A.; BUKHANOVA, A.I.

Use of thermal processing for separating certain minerals. Kora
(MIRA 9:8)
vyvotr. no.2:402-408 '56.
(ilmenite)

NOVIKOV, Viktor Aleksandrovich; SONIN, Boris Aleksandrovich; KOSACHEV, M.N.,
kand. tekhn. nauk; GOMOZOVA, N.A., tekhn. red.

[Parameters of mass blasts; practices of quarries of the Trust of the
State All-Union Association for the Mining and Enrichment of Asbestos
and for the Production of Asbestos Products] Parametry massovykh
vzryvov; opyt kar'erov tresta "Soyuzasbest." Moskva, Gos. izd-vo lit-ry
po stroit. materialam. 1957. 99 p. (Vsesoyuznyi nauchno-issledovatel'skii
institut asbestotsementnykh izdelii. Trudy, no.6)

(MIRA 11:9)

(Blasting) (Asbestos)

NOVIKOV, V.A., goruy inzhener; SOMIN, B.A., goruy inzhener.

Efficiency of short-delay blasting according to methods of
the All-Union Drilling and Blasting Trust. Gor. zhur. no. 4:
49-52 Ap '57. (MLRA 10:5)

1. Filial instituta VNIIsbesttsement.
(Blasting)

LELYUKH, V.G.; SHEREMET'YEV, Ye.V.; NOVIKOV, V.A.

Some results of testing the FK-48 rock drill. Trudy Inst. gor.
dala AN Kazakh. SSR 17:35-39 '65. (MIRA 18:2)

NOVIKOV, V.A.; LELYUKH, V.G.; SHEREMET'YEV, Ye.V.

Problems of using diesel hammers for borehole drilling in
strip mining. Trudy Inst. gor. dela AN Kazakh. SSR 17:40-
49 '65. (MIRA 18:9)

AN, M.Ch.; NOVIKOV, V.A.; SMALLOV, A.

Equipment for the mechanization of auxiliary operations in
stopes. Trudy Inst. gor. dela AN Kazakh. SSR 17:113-118 '65.
(MIRA 18:9)

NOVIKOV, Vasily Aleksandrovich; KICHIGIN, Nikolay Mikhaylovich;
VASIL'YEV, Vladimir Ivanovich; ; LITVINOV, Ye.V., inzh.,
retsensent; SERIK, A.P., red.

[The TL-TsINS single-bucket tractor-mounted loaders and
shovelling machines] Odnokovshovye traktornye pogruzchiki-
traktornye lopaty TL-TsINS. Moskva, Pishchevaia promyshlen-
nost', 1965. 141 p. (MIRA 18:6)

NOVIKOV, V.A.

HEMKIN, M.N., podpolkovnik med. sluzhby; NOVIKOV, V.A., kapitan administrativnoy sluzhby.

Dark chamber for roentgenographic apparatus for daylight operation.
Voen.-med.shur. no.11:67-68 N '57. (MIRA 11:4)
(ROENTGENOGRAPHY, apparatus and instruments,
dark chamber for daylight (Rus)

NOVIKOV, V.A.

Training of X-ray technicians and laboratory technicians at
the Kazan Institute of Graduate Training for Physicians.
Vest.rent. 1 rad. 34 no.3:89 My-Je '59. (MIRA 12:10)
(KAZAN--RADIOLOGY, MEDICAL--STUDY AND TEACHING)

NOVIKOV, V.A.

X-ray diffraction grid for continuous action. Kaz. med. zhur. no.4:
111 JI-ag '61. (MIRA 15:2)

1. Kafedra rentgenologii i radiologii (zav. - prof. M:Kh. Fayzullin)
Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey
imeni V.I.Lenina, na baze 5 gorodskoy bol'nitsy (glavnyy vrach -
N.I.Polozova).

(X RAYS APPARATUS AND SUPPLIES)

NOVIKOV, V.A.

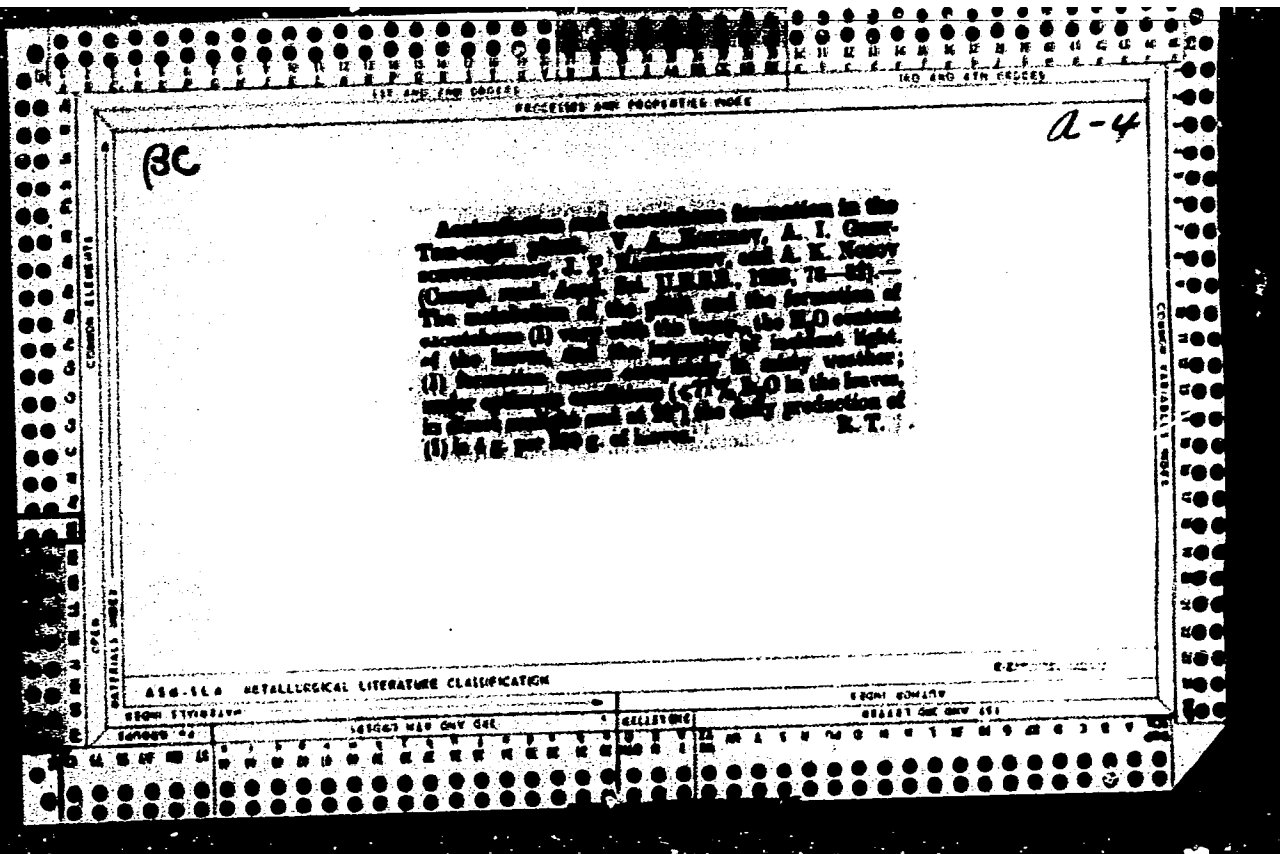
Head holder for roentgenography of the skull. Kaz.med.zhur.
no.3:90 My-Je '62. (MIRA 15:9)

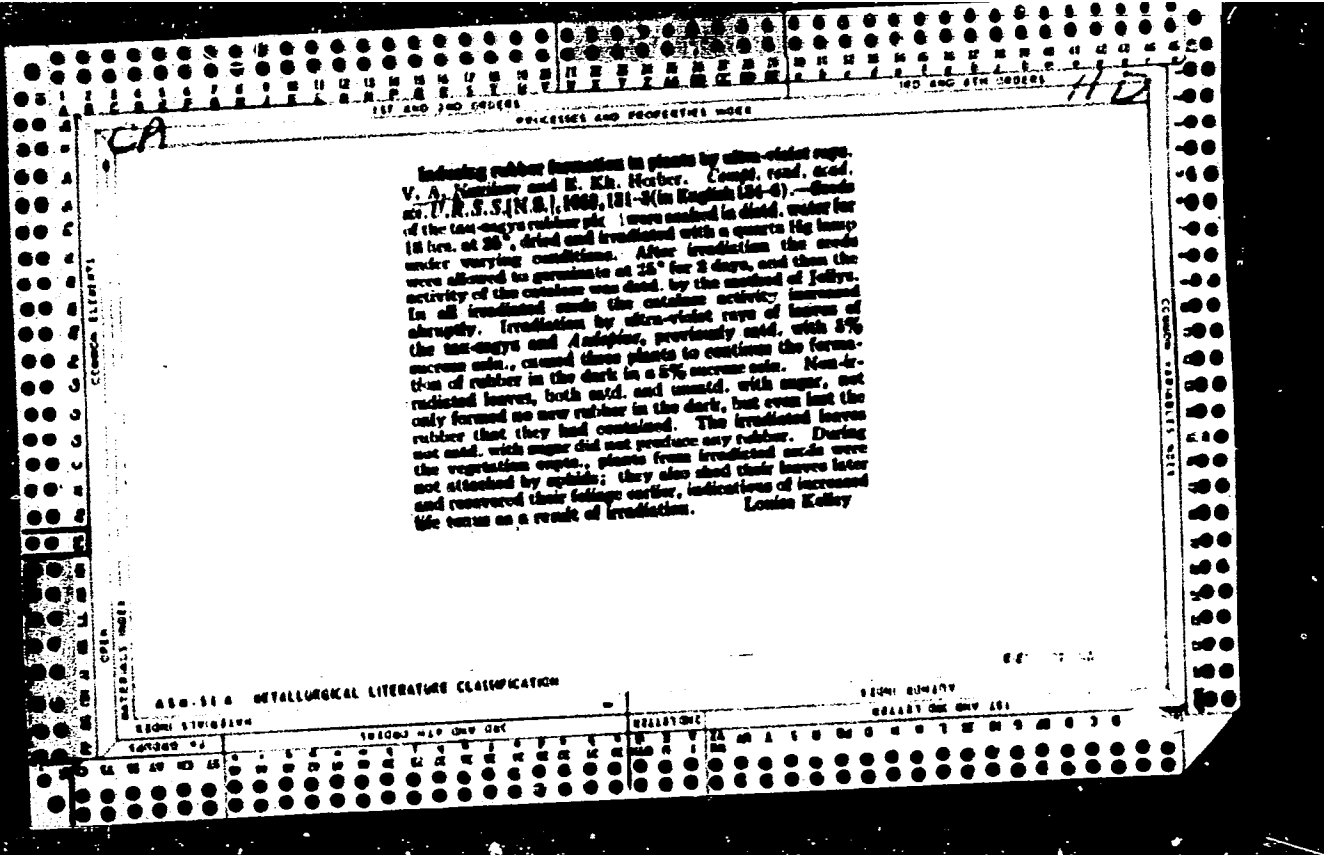
1. Kafedra rentgenologii i radiologii No.1 (zav. - prof. M.Kh.
Fayzullin) Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey imeni Lénina.
(SKULL--RADIOGRAPHY)

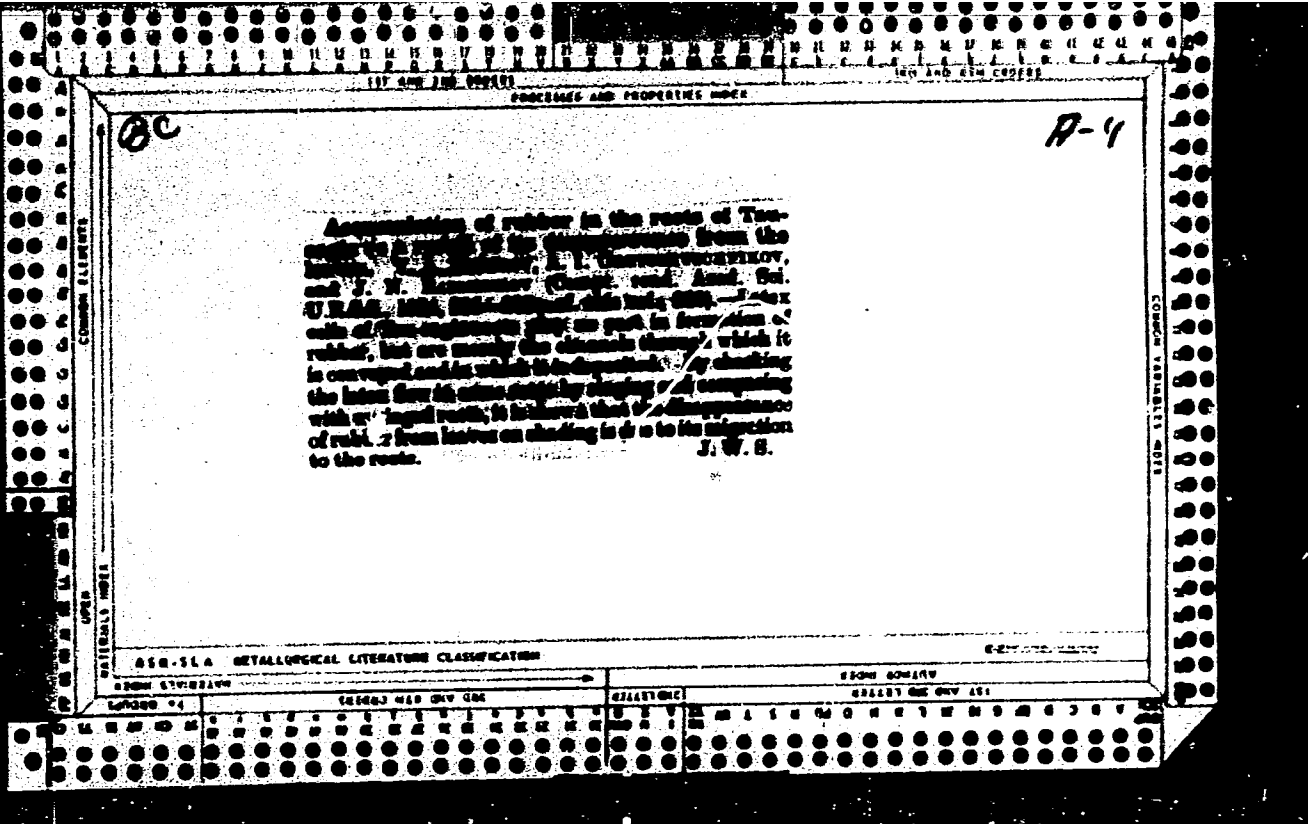
NOVIKOV, V.A.

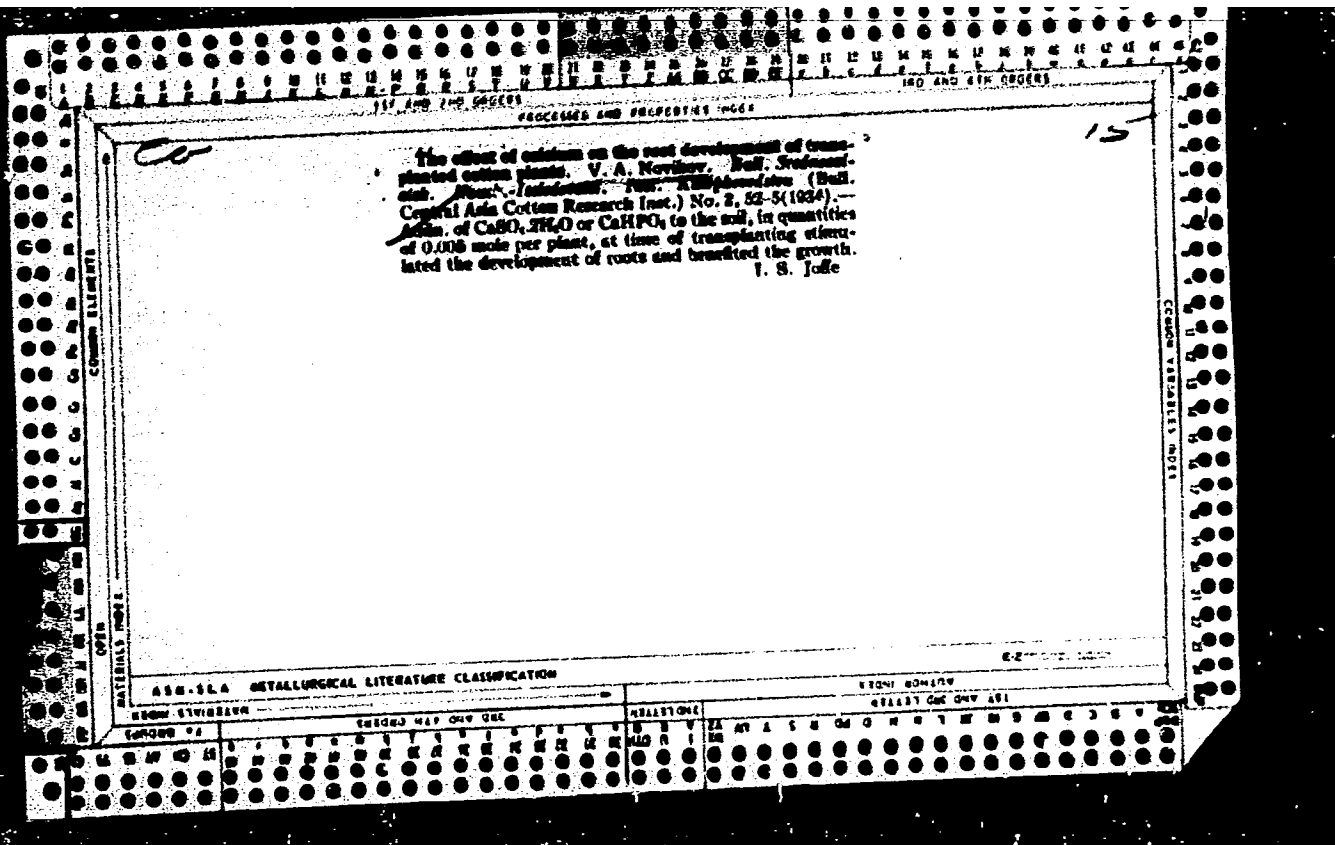
Use of an FKP-1 fluorographic photographic camera for operation with nonperforated film. Vest. rent. i rad. 38 no.1:
60-61 Ja-F'63. (MIRA 16:10)

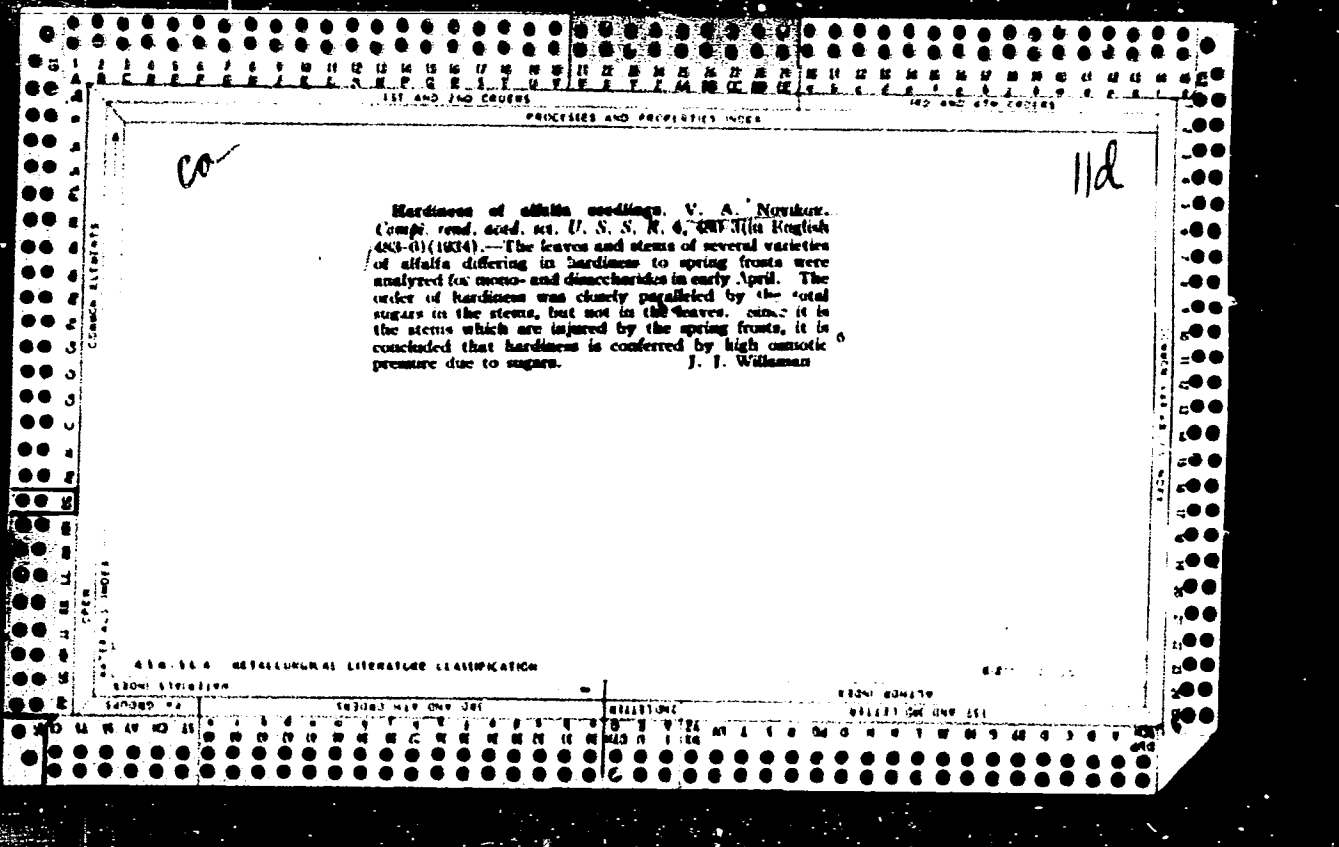
*

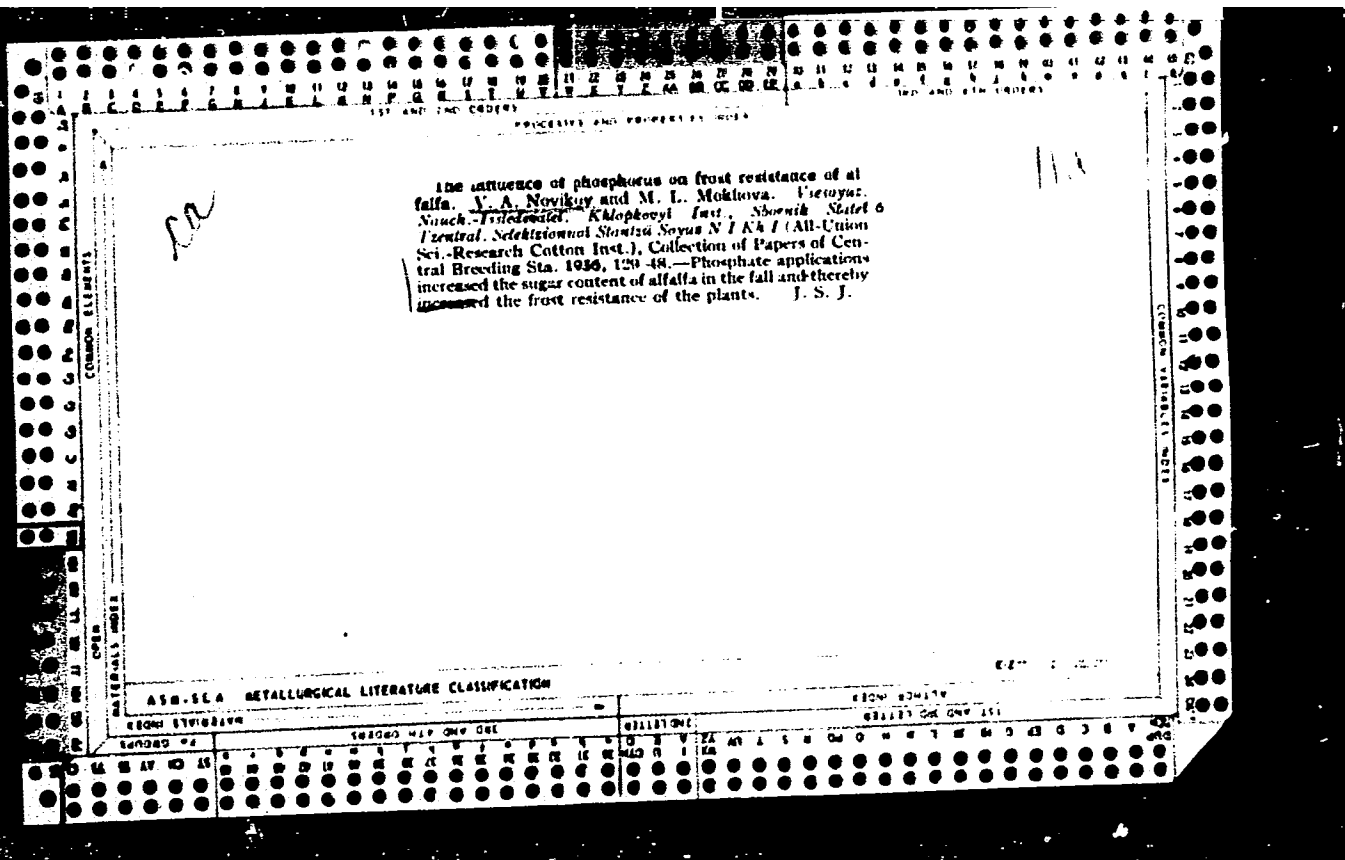


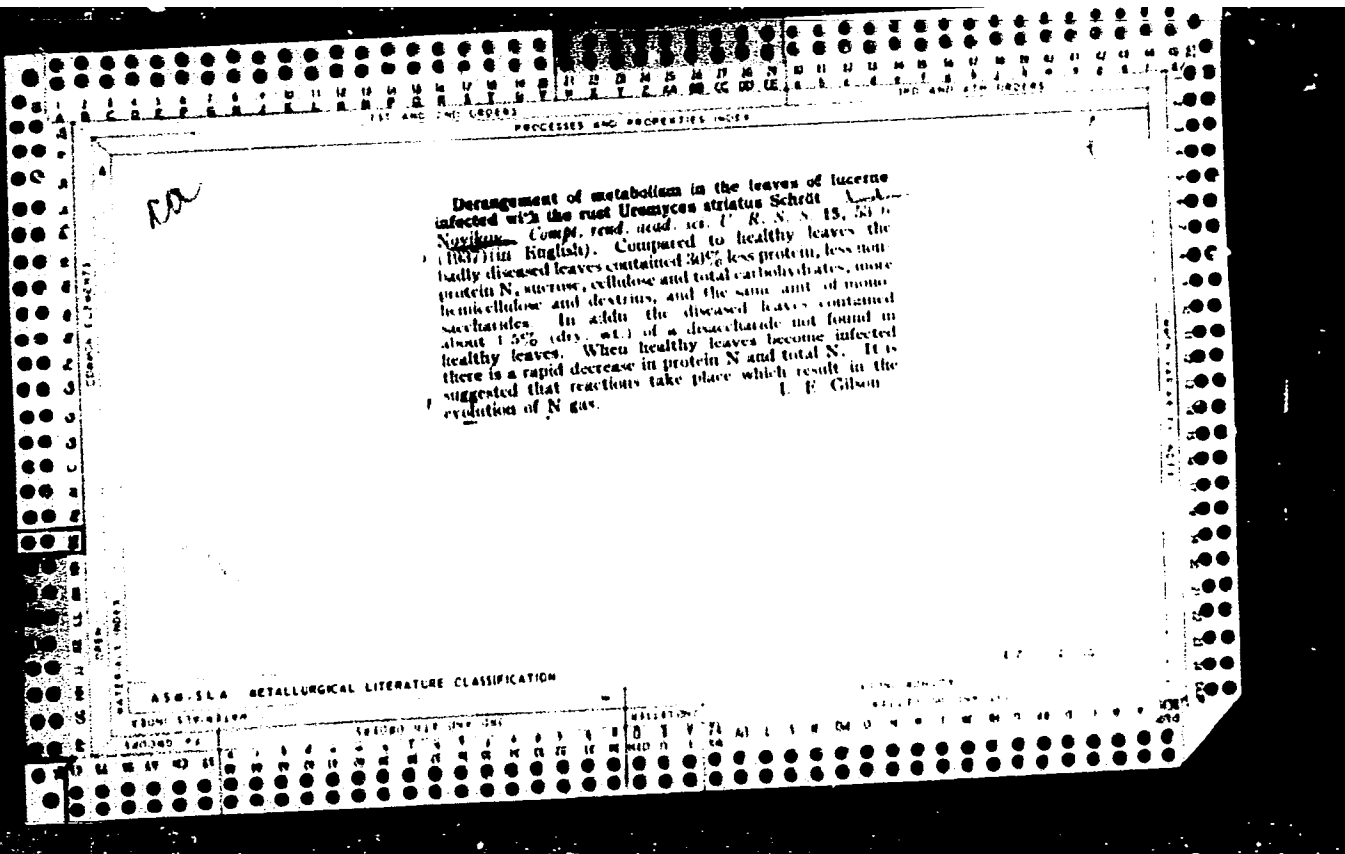


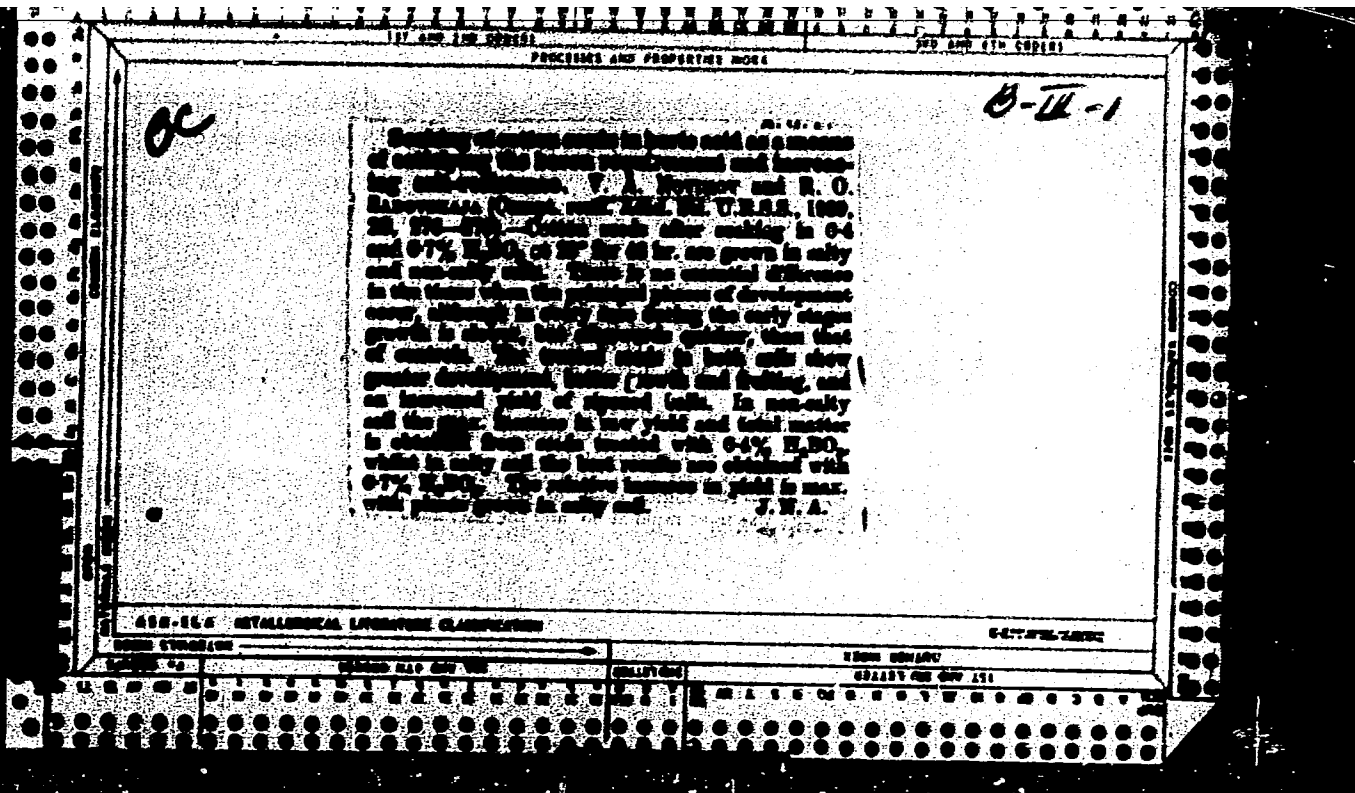


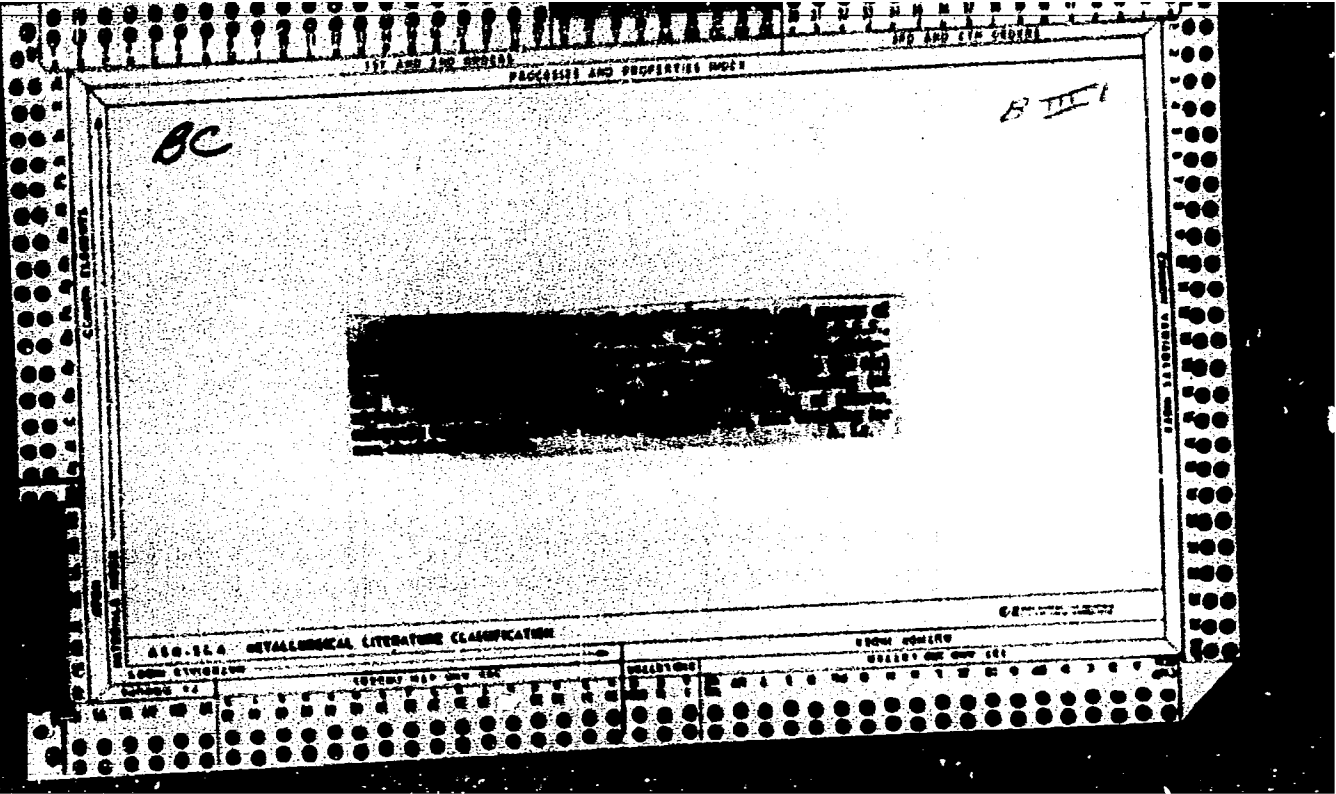


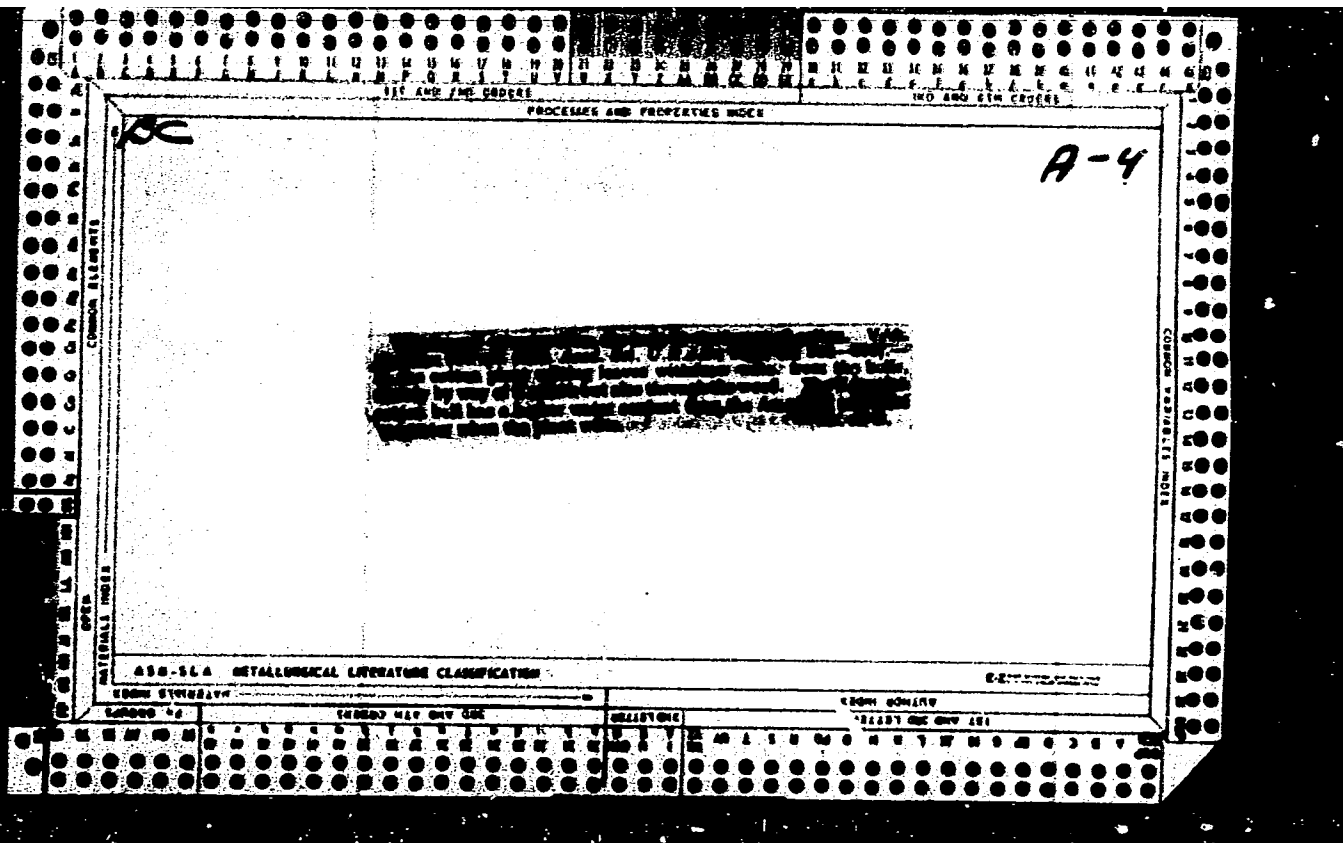


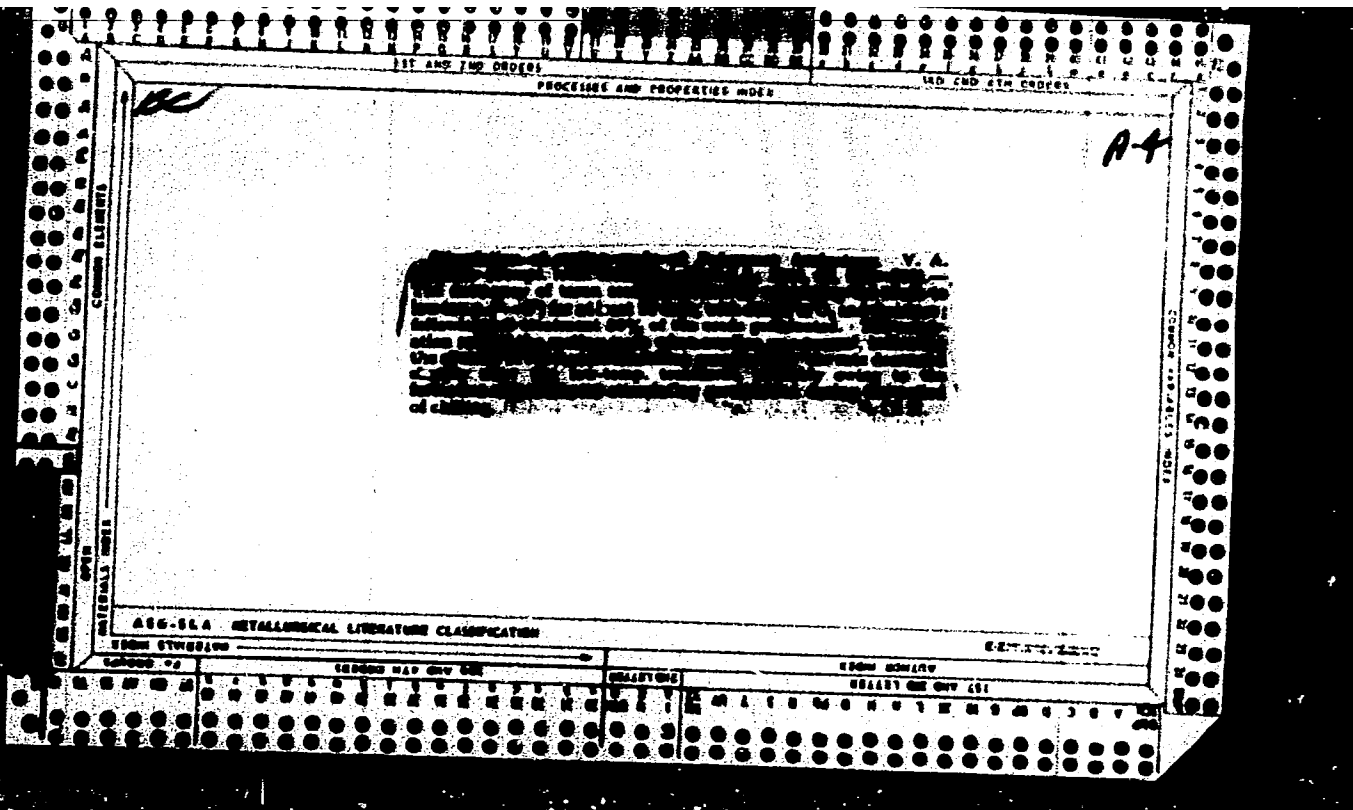












NOVIKOV, V. A.

30403

Vliyaniye intyensivnosti svyeta na ^{teu} sostoychivost' ^{vyeston} khlopchatnika. Trudy ^{Inst.} fitologii
 rastenyiy im ~~Vimiryazh~~ ^{Vimiryazh}, VI Vyp. 2, 1949. S. 194-98. — Bibliogr: 10 ² Nav.

SO: Letopis' No. 2

Zhurnal bykh ~~Statey~~ Statey

NOVIKOV, V. A.

36328. NOVIKOV, V. A. I BEREZINA, T. A. -- Vliyaniye intensivno-stn sveta na kauchukozhivnost' i urozhay koksagya. Zapiski Leningr. S-kh. IN-TA. vyp. 5, 1948, s. 71-79 -- Bibliogr: 18 nazv.

SO: Letopis' Zhurnal' nykh Statsey, No. 49, 1949

NOVIKOV, V. A.

USSR/Biology - Photosynthesis
Wheat

11 MAY 50

PA 16073

"Critical Period for Spring Wheat With Regard to Light Intensity," V. A. Novikov, A. V. Filippov, Leningrad Agr Inst, 4 pp

"Dok Ak Nauk SSSR" Vol LXXII, No 2

Discusses results of tests in 1947, 1948, and 1949 on sensitivity of spring wheat to insufficient light intensity during different periods of development. Plants were placed under gauze covering admitting only 20% normal light at various growth periods and effects on spikes of main stems tabulated. Finds

16073

USSR/Biology - Photosynthesis (Contd) 11 MAY 50

critical period was that of formation of sexual cells which had previously been found to be critical for insufficient water in soil by G. V. Zabluda. Submitted 8 Feb 50.

16073

NOVIKOV, V. A.

Plants, Effect of Light On

Effect of light on the outflow of plastic substances
from a leaf. Dokl. AN SSSR, 82, No. 3, 1952.

Leningradskiy Sel'skokhozyzystvennyy Institut
rcd. 12 Oct. 1951

SO: Monthly List of Russian Accessions, Library of Congress, June 1952 ~~1955~~, Uncl.

NOVIKOV, V.A. ALEKSEYENKO L.N.

USSR (600)

Light, Millet

Period during which intensity of light is critical for millet. Dokl. AN SSSR 83 No.2, 1952.

Leningradskiy Selskokhozyaystvennyy Institut rcd. 1 Dec. 1952

SO: Monthly List of Russian Accessions, Library of Congress, August 1952, Uncl.

NOVIKOV, V.A.

Certain peculiarities of the phasic development of plants and structural changes in grain. *Izv. AN SSSR Ser. biol. no. 4:28-51 J1-Ag '53.*

(MLRA 6:7)

1. Leningradskiy sel'skokhozyaystvennyy institut.

(Grain)

NOVIKOV, V. A.

Effect of inorganic poisonous substances in the growth
processes of plants. V. A. Novikov and E. D. Sarafni-
kova. *Zapiski Leningrad. gos. universiteta*, 1954, No. 7,
105-10. Referat. *Zhur. Khim.*, 1954, No. 27390. At
optimal temp. for plants weak (0.0001N) solns. of NH_4SCN
and of HgCl_2 stimulate root formation in stalks of beans
and geranium. NH_4SCN had the more stimulating effect,
in which case the no. of roots was 500% of the control plants
and the appearance of roots was twice as fast. At lower
temps. the same doses caused the plants to perish.
M. Hoesch

NOVIKOV, V.A. [Novikov, V.A.]

Some characteristics of development stages of plants and new forms appearing in cereal plants. *Annals biol* 8 no.1:99-127
Ja-Mr '54.

USSR / Plant Physiology. Growth and Development.

I

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34305

Author : Novikov, V. A.

Inst : Leningrad Agricultural Institute

Title : Third and Fourth Phases of Development of Plants.

Orig Pub : Zap. Leningr. s.-kh. in-ta, 1956, vyp 11, 5 - 13

Abstract : In the ontogenesis of plants (wheat, rye, oats, millet, barley, flax and others) the presence of a third and fourth phases of development have been established. The third phase begins when the light phase ends, and from the moment of appearance of first tetrads of the maternal cells of the pollen in the flowers formed during inflorescence; third phase ends when tetrads are formed in all flowers of the inflorescence. The duration of the phase varies from 4 to 10 days. During this phase, a definite intensity of light exposure, humidity

Card 1/2

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NOVIKOV, V.A.

3-8-27/34

AUTHOR:

Vsyakikh, A.S., Professor, Doctor of Agricultural Sciences
Malinin, A.I., Professor, Doctor of Veterinary Sciences,
Novikov, V.A., Professor, Doctor of Biologic Sciences

TITLE:

Agricultural Vuzes of People's Poland (Sel'skokhozyaystvennyye
vuzy narodnoy Pol'shi)

PERIODICAL:

Vestnik Vysshey Shkoly, 1957, # 8, pp 84-86 (USSR)

ABSTRACT:

The article contains particulars on the agricultural education and scientific work of veterinary and agricultural institutes in Poland.

There are 7 agricultural vuzes (Warszawa, Poznan', Wroclaw, Krakov, Lyublin, Olsztyn' and Szczecin.) with more than 16,000 students. The Warsaw Main Higher Agricultural School (Varshavskaya glavnyaya vysshaya sel'skokhozyaystvennaya shkola) is the largest with faculties covering: agriculture, gardening, zootechnics, veterinary medicine, water-melioration, forestry, agricultural mechanization, and economics. Admission to the schools is competitive for persons who have graduated from secondary schools. The majority of the students are farmers' children, 25 - 30% are children of workmen, and 10 - 20% are

Card 1/3

• Agricultural Vuzes of People's Poland

3-8-27/34

conditions are good. The Polish professors stated that they are still without a textbook on genetics of agricultural animals. The results of scientific research by Polish scientists are printed and published in special collections.

AVAILABLE: Library of Congress

Card 3/3

NOVIKOV, Vladimir Aleksandrovich, prof.; SINYAKOVA, L.A., red.;
BARANOVA, L.G., tekhn. red.

[Plant physiology] Fiziologiya rastenii. Leningrad, Izd-vo
sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 415 p.
(MIRA 15:2)

(Plant physiology)

NOVIKOV, V.A.; SHEREMET'YEV, Ye.V.; LELYUKH, V.G.

The KSO-25 rig and results of its use in the Dzhezkazgan mine.
Vest. AN Kazakh. SSR 21 no.7:72-76 71 '55.

(MIRA 18:8)

NOVIKOV, V.A.

AUTHOR MINARIK E.V., NOVIKOV V.A. PA - 2666
 TITLE Fission of U, Th, Bi and Tl induced by high energy γ -quanta.
 (Deleniy U, Th, Bi i Tl γ -kvantami bel'shikh energiy.-Russian)
 PERIODICAL Zhurnal Eksperim. i Teoret. Fiziki 1957, Vol 32, Nr 2,
 pp 241 - 246 (USSR).
 Received: 5/1957 Reviewed: 6/1957
 ABSTRACT Experiments: The authors determined the dependence of the yields
 of photo fission of the nuclei of U²³⁸, Th²³² and Tl^{203,205}
 on the maximum energy of the spectrum of Bremsstrahlung on the
 synchrotron of the Physical Institute of the Academy of Science
 of the USSR. After passing through a lead collimator, the γ -
 bundle of the synchrotron dropped into a momentum ionization
 chamber. The targets of the elements to be investigated consisted
 of thin layers of U₂O₈, ThO₂, and of metallic Bi and Tl which
 were applied on to an aluminum base of 30 μ thickness.
Discussion of results: The cross section of photofission can be
 represented in the form $\sigma_f = \sigma_a \Gamma_f / \Sigma \Gamma$ where σ_a denotes the
 cross section of the absorption of the photon by the nucleus and
 $\Gamma_f / \Sigma \Gamma$ - the relative probability of fissioning (0,2-0,4 for
 uranium and a value of about (2,5 - 3)- times as small for
 thorium). Therefore, the cross section of photofission by the
 increase of $\Gamma_f / \Sigma \Gamma$ is able to increase at the utmost by 5 times

CARD 1/2

NOVIKOV, Vyacheslav Aleksandrovich. Prinieli uchastiye: LEBEDEV, Aleksey
Dmitriyevich, kand.khim.nauk; PEYSAKHOVICH, F.Sh.; KORMANOVSKIY,
A.F.; RYZHINSKIY, B.I.; GARBAZHII, G.I.. DANILOVA, V.M., red.;
DANILOVA, Ye.M., tekhred.

[Suggestions of efficiency promoters of the Mari A.S.S.R.] Predlo-
zhenia ratsionalizatorov Mariiskoi ASSR. Ioshkar-Ola, Mariiskoe
knizhnoe izd-vo, 1959. 52 p. (MIRA 13:5)
(Mari A.S.S.R.--Technological innovations)

NOVIKOV, V.A., kand. tekhn. nauk; KICHIGIN, N.M., kand. tekhn. nauk

TL-TSINS tractor bucket. Mekh. trud. rab. 12 no.11:37-40 N '58.

(MIRA 11:12)

(Tractors--Equipment and supplies)

IVANOVA, Z. V., kand. sel'skokhoz. nauk; NOVIKOV, V. A., aspirant

K-2 smoke pots for use in granaries, Zashch. rast. ot vred. 1
bol. 5 no.11:39-40 N '60. (MIRA 16:1)

1. Vsesoyuznyy institut zashchity rasteniy (for Novikov).

(Granaries—Disinfection) (Fumigation)

NOVIKOV, V.A., inzh.

Freight operations should be consolidated and not scattered.
Zel.dor.transp. 42 no.2:81 F '60. (MIRA 13:5)

1. Revisor dvizheniya otdeleniya, g. Odessa.
(Railroads--Freight)

RAZIN, L.V.; KHVOSTOVA, V.P.; NOVIKOV, V.A.

Metals of the platinum group in rock forming and accessory
minerals of ultrabasic rocks. Geokhimiya no.2:159-174 F '65.
(MIRA 18:6)

1. Tsentral'nyy nauchno-issledovatel'skiy gorno-razvedochnyy
institut tsvetnykh, redkikh i blagorodnykh metallov (TSNIGRI),
Moskva.

NOVIKOV, V. A.

The universal loading machine and shovel tractor TSINS "TL-2-TSINS"; construction, manufacture and operation. Moskva, Pishchepromizdat, 1950. 238 p. (54-22797)

TJ1350.N6

1. Conveying machinery. 2. Loading unloading. I. Petrov, N.A., deputy minister of food industry, ed. II. Moscow. Vsesoiuznyi tsentral'nyi nauchno-issledovatel'skii institut sakharnoi promyshlennosti. Kievskii filial.

1. NOVIKOV, V.A., KICHIGIN, N.M., Eng., YEMTSOV, V.G., KANEOBIN, A.S., GEL'MAN, A. Ya.
2. USSR (600)
4. Motor Trucks
7. UKAP-TSINS universal truck with conveyer-loader. Mekh. trud. rab. 6, No.10, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. ^{Unclassified}

NOVIKOV, V. A. (and others)

Loading and Unloading

Universal conveyer-type truck loader UKAP-TSINS, Sakh. prom. 26 No. 4, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.