IVANOVA, P.S.

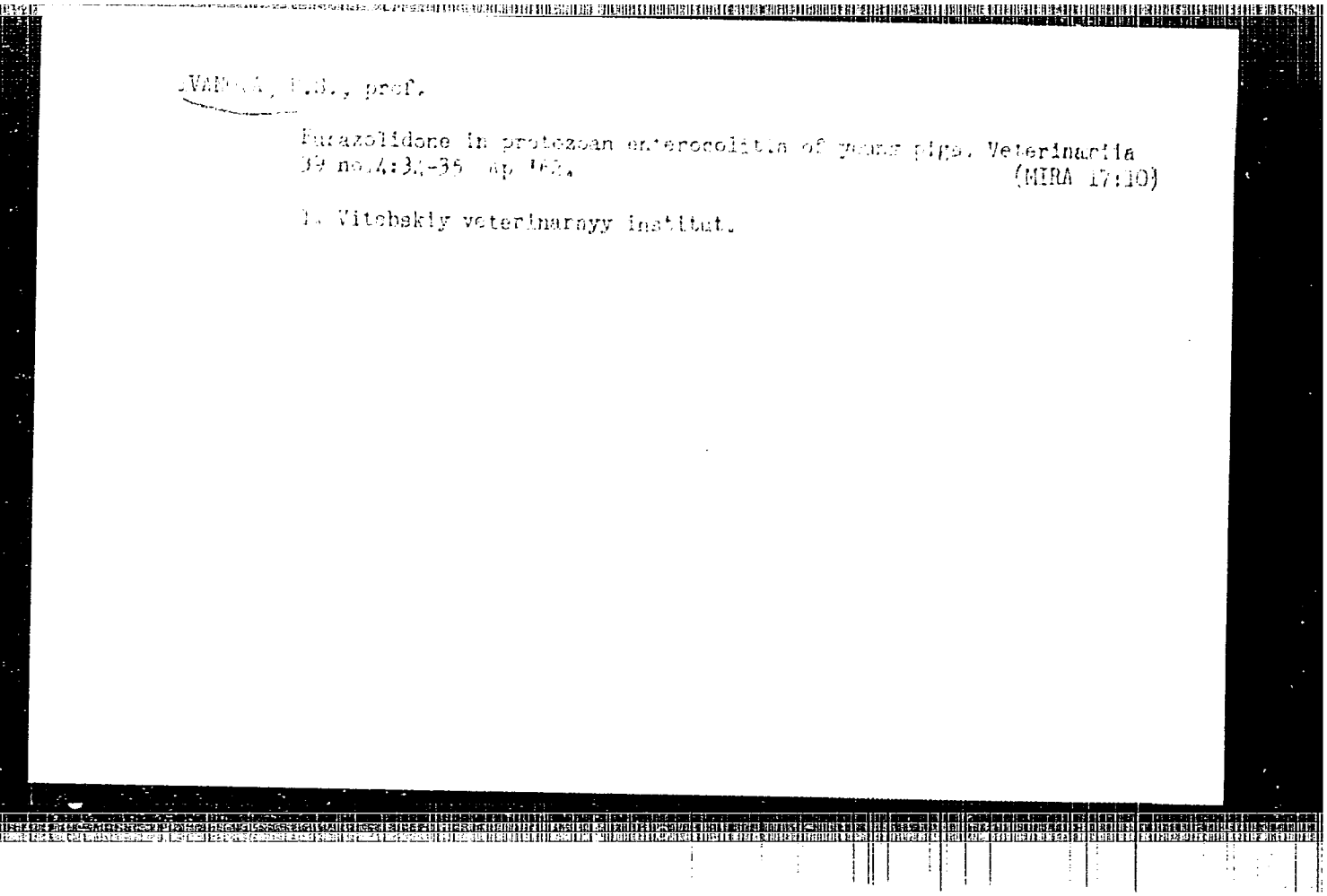
Anaplasma marginale in the northernmost part of its range.
Trudy Inst.zool.AN Kazakh.SSR 12:94-95 '60.
(MIRA 13:7)

(Vitebsk Province--Anaplasmosis)
(Molodechno Province--Anaplasmosis)
(Cattle--Diseases and pests)

IVANOVA, P. S. (Professor, Vitebsk Veterinary Institute)

"Furazolidone [preparation from the group of nitrofuran compounds, obtained at the Institute of Organic Synthesis of the Academy of Science of the Latvian SSR] in protozoic enterocolitis of piglets"

Veterinariya, vol. 39, no. 4, April 1962 p. 34



IVANOV, I.S., prof.

Furazolidone in protozoan enterocolitis of young pigs. Veterinariia 39 no.4:34-35 Ap '62. (MIRA 17:10)

1. Vitebskiy veterinarnyy institut.

KUCHIN, A.S., aspirant; IVANOVA, P.S., nauchnyy rukovoditel' raboty

Treating strongyloidiasis in lambs. Veterinariia 41 no.1: 54-55 Ja '65. (MIRA 18:2)

1. Vitebskiy veterinarnyy institut.

MIKHALOCHKINA, Ye.I., veter. vrach; IVANOVA, P.S., prof., nauchnyy rukovoditel'

Localization of Acarus suis on the body of swine. Veterinariia 42 no.7:51-52 Jl '65. (MIRA 18:9)

1. Vitebskiy veterinarnyy institut.

ANTONOV, A.S.; GIRGOR'YEVA, S.P.; IVANOVA, P.V.; BELOZERSKIY, A.N., akademik

Nucleotide composition of rapidly labeled RNA of the silk gland of the silkworm Bombyx mori L. Dokl. AN SSSR 154 no.1: 216-219 Ja'64. (MIRA 17:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

ANTONOV, A.S.; LAYKOVA, N.F.; IVANOVA, P.V.; GRIGOR'YEVA, S.P.;
BELOZERSKIY, A.N., akademik

Changes in the amino acid composition of fibroin of the silkworm Bombyx mori L. induced by the analogs of the nitrogen bases of DNA and RNA. Dokl. AN SSSR 155 no. 5:1201-1204 Ap '64.
(MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

VORONIN, A.; IVANOVA, R.

Development of socialist property and the process of collevtivized labor in collective farm production. Sots.trud 4 no.12:3-12 D '59. (MIRA 13:6)

(Collective farms)

IVANOVA, R.

Members of the Communist Youth League as pioneers in the national movement for swamp drainage and reclamation. Gidr. i mel. 13 no.1: 55-56 Ja '61. (MIRA 14:2)

1. Instruktor otdela sel'skoy molodezhi TSentral'nogo komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi.
(Rovno Province—Drainage)
(Communist Youth League)

APRAKSINA, A.; IVANOVA, R.

Special feature exhibition on the mechanization and automation of production processes in the meat industry. Mias.ind. SSSR 34 no.1:39-41 '63. (MIRA 16:4)

1. Vystavka dostizheniy narodnogo khozyaystva SSSR.
(Moscow—Exhibitions) (Meat industry—Equipment and supplies)

IVANOVA, R.

Meat industry at the Exhibition of Achievement of the National Economy of the U.S.S.R. Miasn.ind.SSSR 35 no.1:32-33 '64.
(MIRA 17:4)

1. Vystavka dostizheniy narodnogo khozyaystva SSSR.

IVANOVA, R.; TYUNEYEVA, M.; TSIMBALOVA, N.

Information. Mias ind SSSR 34 no. 6:54-58 '63. (MIRA 17:5)

1. Pavil'yon "Myasnaya promyshlennost'" na Vystavke dostizheniy narodonogo khozyaystva SSSR (for Ivanova).
2. Vladivostokskiy myasokombinat (for Tyuneyeva).
3. Dal'rybvtuz (for TSimbalova).

IVANOV, Iv.; GIUROVSKI, St.; IVANOVA, R.; MIRKOV, K.; KATZULOV, At.

The colpopuncture method in the diagnosis and treatment of adnexal inflammatory diseases. Akush. ginek. (Sofiia) 4 no.2: 141-143 '65.

1. VMI, Sofiia, Katedra po akusherstvo i ginekologiia (rukovoditel: prof. Il. Shturkalev).

IARUKOV, L.; IVANOVA, R.

Indications and results of lateral and median episiotomy.
Akush. ginek. (Sofiia) 4 no.3:181-188 '65.

1. Vissh meditsinski institut, Sofiia, Katedra po akusherstvo i ginekologiia (rukov. prof. Il. Shturkalev).

L 15677-63 EWP(q)/EWT(m)/BDS AFFTC RDW/JD

AUTH: Radautsan, S. I., Madan, I. A., Ivanova, R. A.

TITLE: Solid solutions of phosphido-selenides of gallium

SOURCE: Izv. AN Mold. SSR, no. 10(88), 1961, 98-101

TOPIC TAGS: Ga alloy, Ga-P-Se system

TRANSLATION OF ABSTRACT: By methods of x-ray structure and microstructure analysis, the existence was established of solid solutions of the form (GaP) sub x - (Ga sub 2 Se sub 3) sub 1-x in the ternary system Ga-P-Se in the whole range of concentrations. From the author's resume.

DATE ACQ: 12Jun63 SUB CODE: CH,EL ENCL: 00

Card 1/1

32613
S/137/61/000/011/069/123
A060/A101

18.7520

AUTHORS: Radautsan, S.I., Madan, I.A., Molodyan, I.P., Ivanova, R.A.

TITLE: Formation of solid solutions in the InP-In_2Se_3 system

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 11, 1961, 24, abstract 11Zh143. ("Izv. Mold. fil. AN SSSR", 1960, No 3(69), 107 - 109)

TEXT: The section InP-In_2Se_3 of the In-P-Se system was investigated. The alloys were prepared from P, In, and Se of ~99.98% purity, by the use of vibration stirring according to the method similar with the production of InP, and were studied by the X-ray structure and microscopic analyses and hardness measurement methods. It was established that the alloys with compositions close to that of InP (including InP·In_2Se_3) have a crystal lattice of the ZnS type. The alloy 9InP·In_2Se_3 has one phase, alloys from 4InP·In_2Se_3 to InP·In_2Se_3 are two-phase, but both phases have the ZnS structure. The observed decrease of the lattice parameter as the In_2Se_3 content increases testifies to the formation of solid solutions in these alloys. The alloy with composition InP·3In_2Se_3 crystallizes into a low-symmetry structure. There are 6 references.

Z. Rogachevskaya

Card 1/1

S/137/62/000/011/020/045
A052/A101

AUTHORS: Radautsan, S. I., Ivanova, R. A.

TITLE: Solid solution formation on the base of complex compounds of $A^{II}B^{IV}C^{VI}_3$

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 11, 1962, 18, abstract 11I133 ("Izv. AN MoldSSR", no. 10 (88), 1961, 64 - 70, summary in Moldavian)

TEXT: The systems $ZnGeSe_3$-ZnSe, $ZnGeSe_3$-Ga_2Se_3 and $ZnGeSe_3$-In_2Se_3 were investigated by means of microscopic and X-ray analyses and by measuring microhardness. The alloys were prepared in evacuated quartz ampoules in argon atmosphere at 1,100 - 1,250°C. It is established that in the studied systems on the base of the $ZnGeSe_3$ compound solid solutions with ZnS structure are formed. A study of the systems $CdGeT_3$-CdTe, $CdSnTe_3$-CdTe, $CdGeTe_3$-In_2Te_3, $CdSnTe_3$-In_2Te_3, $CdGeSe_3$-CdSe and $CdSnSe_3$-CdSe has shown that solid solution regions exist also

Card 1/2

S/137/62/000/011/020/045
A052/A101

Solid solution formation on the base of...

in these systems. There are 9 references.

Z. Rogachevskaya

[Abstracter's note: Complete translation]

Card 2/2

YUR'YEV, Yu.K.; ZEFIROV, N.S.; IVANOVA, R.A.

3,6-Endoxo-cyclohexenes and cyclohexenes. Part 9: Synthesis of amino derivatives of the 3,6-endoxo-cyclohexane series. Zhur.ob.khim. 33 no.3:813-817 Mr '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

(Cyclohexene)
(Amino compounds)

ZEFIROV, N.S.; IVANOVA, R.A.; KECHER, R.M.; YUR'YEV, Yu.K.

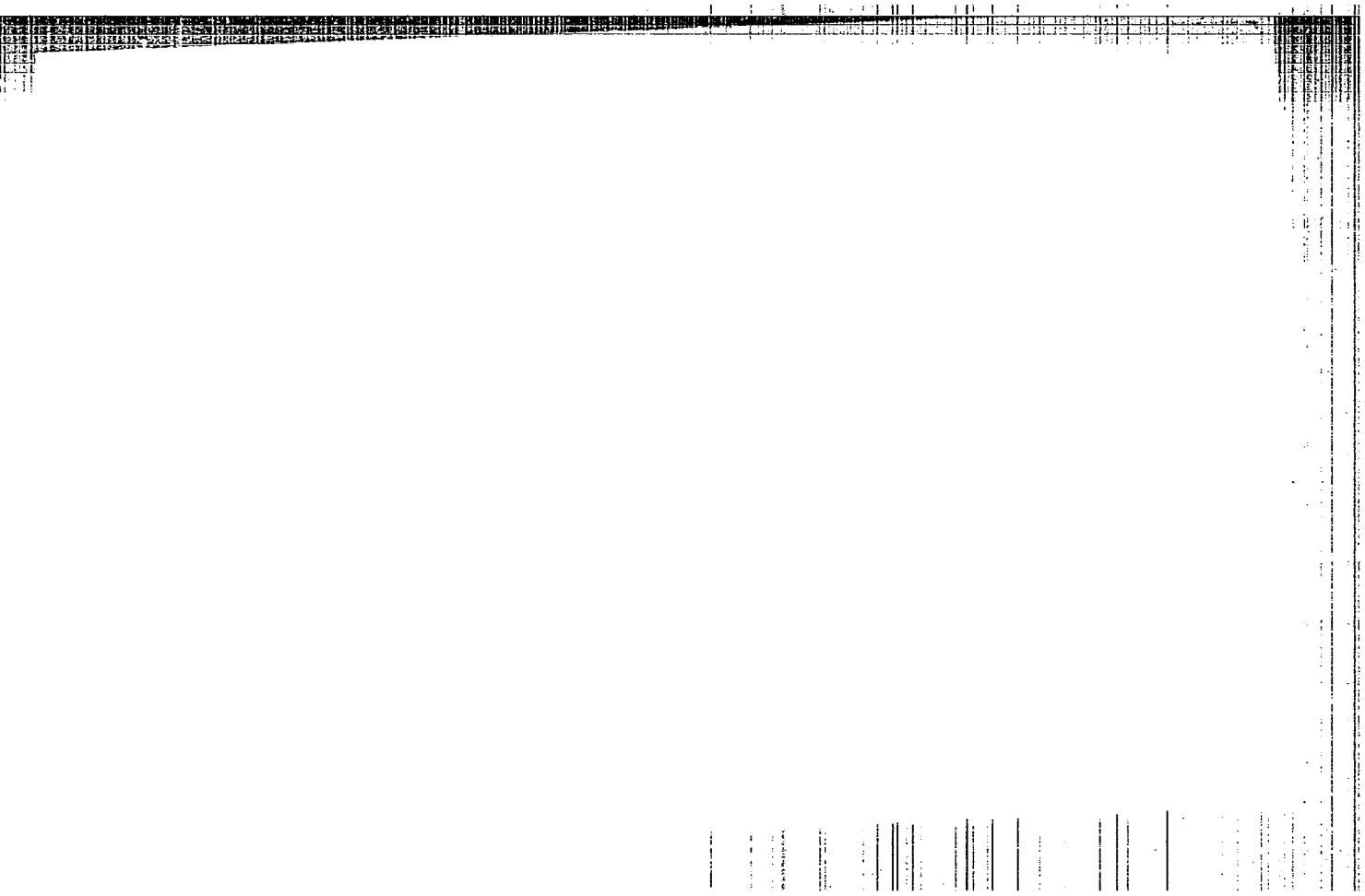
Bromination of adducts of 2-methyl- and 2,5-dimethylfuran with maleic anhydride. Zhur.ob.khim. 33 no.10:3439-3440 O '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet.

ZEFIROV, N.S.; IVANOVA, R.A.; FILATOVA, R.S.; YUR'YEV, Yu.K.

Deamination of methyl ester of exo-cis-2-amino-3,6-endo-exo-hexahydrophthalic acid. Zhur.ob.khim. 33 no.10:3440-3441 O '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet.



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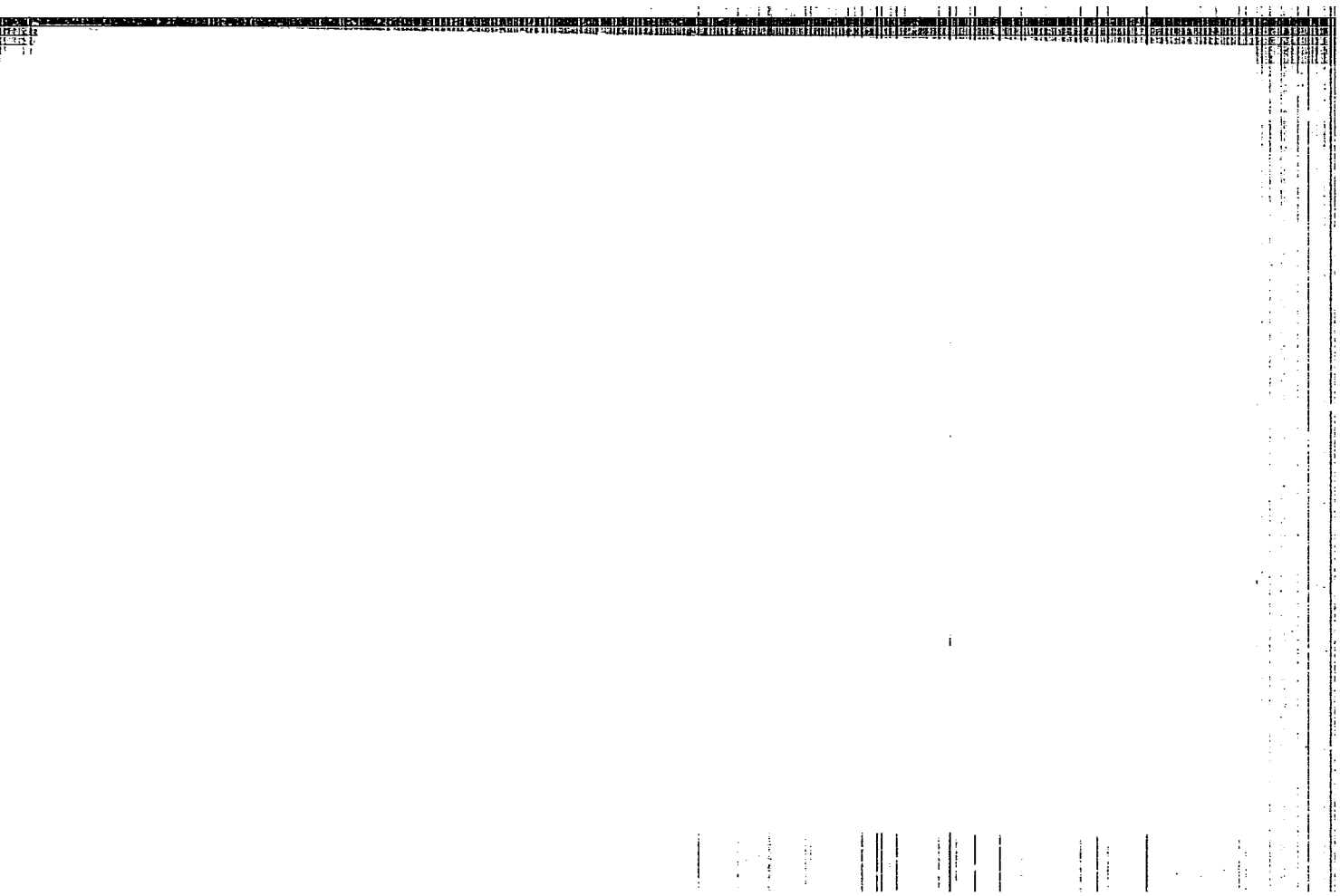

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[illegible], N.N.; [illegible], T.A.; [illegible], T.M.

3,6-Endoxocyclohexanes and -cyclohexenes, Part IV: Configuration of the adducts of 2-methyl- and 2,5-dimethylfuran with maleic anhydride and their epoxydation. Zhur. obshch. khim. 36 no.1:[illegible] Ja '66. (MIRA 19:2)

1. Moskovskiy gosudarstvennyy universitet.

ZEFIROV, N.S.; IVANOVA, K.A.; KECHEN, R.M.; YUR'YEV, Yu.K.

3,6-Endoxocyclohexanes and -cyclohexenes. Part 18: Wagner-Meerwein rearrangement during halogenation of 3-methyl- and 3,6-dimethyl-3,6-endoxocyclohexenedicarboxylic acids. Zhur. ob. khim. 35 no.1: 61-67 Ja '65. (MIRA 18:2)

1. Moskovskiy gosudarstvennyy universitet.

ZEFIROV, N.S.; IVANOVA, R.A.; PILATOVA, R.S.; YUR'YEV, Yu.K.

3,6-Endoxocyclohexenes and -cyclohexenes. Part 26: Wagner-Meerwein rearrangement in deamination of 3,6-endoxohexahydroanthranilic acid and its methyl ester. Zhur. ob. khim. 35 no.10:1798-1801 O '65. (MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet.

IVANOVA, R.A.; KAS'YANOVA, A.A.; PAVLOV, S.A.

Studying the conditions of the production of films from the complex dispersions of hydrophilic polymers and increasing their water resistance. Kauch. i rez. 24 no.2:12-15 F '65. (MIRA 18:4)

1. Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti.

GAMOVA-KAYUKOVA, N.I., kand.biol.nauk; SAMYSHKINA, M.A., starshiy nauchnyy sotrudnik; BERNSHTEYN, M.M., kand.tekhn.nauk; MUSATOVA, M.D., mladshiy nauchnyy sotrudnik; ABOLTINA, E.M., mladshiy nauchnyy sotrudnik; CHERKESOVA, E.I., mladshiy nauchnyy sotrudnik; IVANOVA, R.A., laborant.

Resistance to moulds of artificial leather, cardboard and tent-duck samples. Nauch.-issl. trudy VNIIPIK no.13:65-83 '62. (MIRA 18:1)

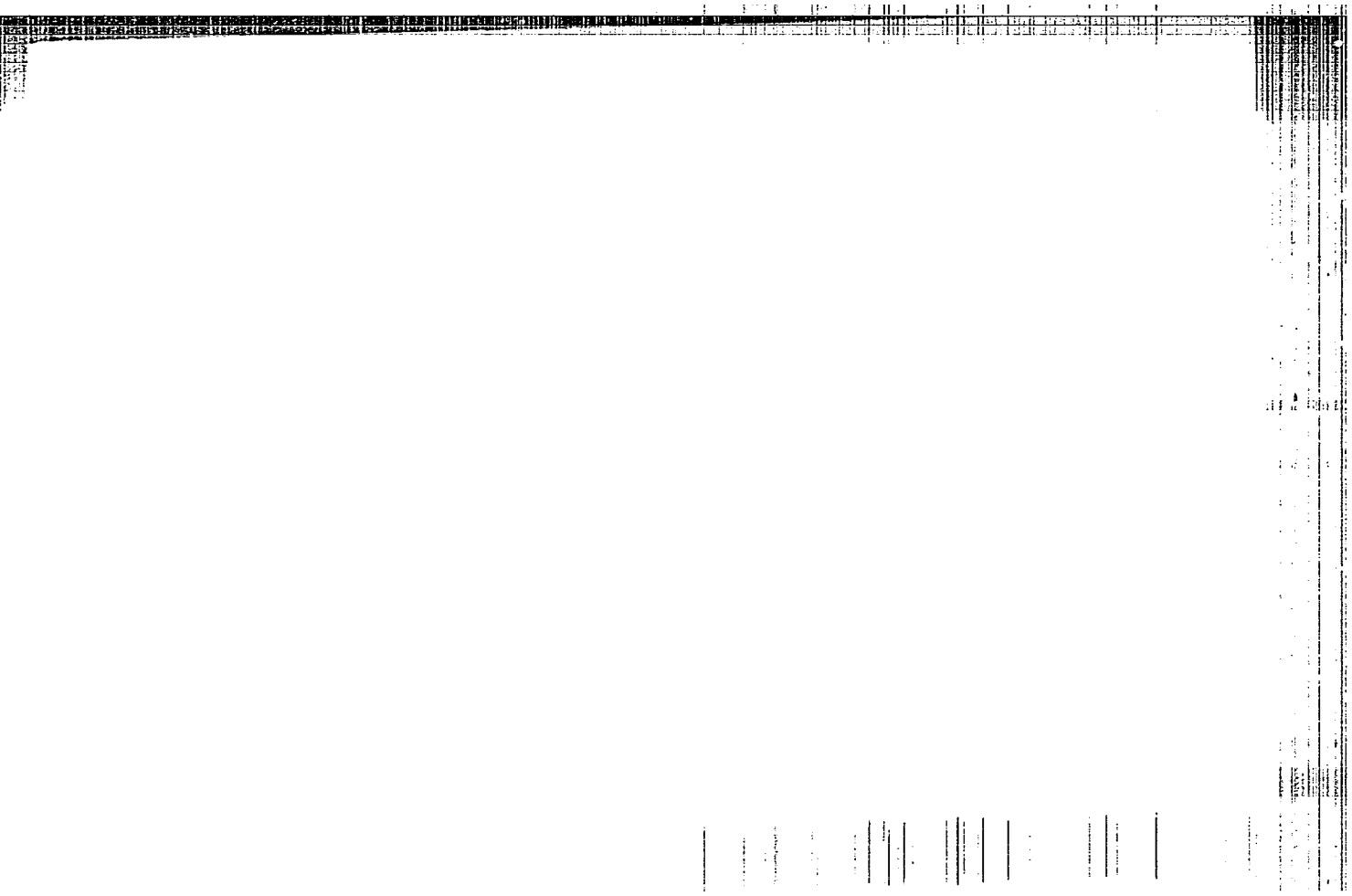
SHVARTSMAN, S.M., kand.med.nauk; KIPSKAYA, M.I.; IVANOVA, R.A.

Results of the prevention of epidermophytosis of the feet in swimming pools. Vest.derm.i ven. 35 no.1:66-68 Ja '61.
(MIRA 14:3)

1. Iz kozhno-venerologicheskogo dispansera No.13 Frunzenskogo rayona Leningrada (glavnyy vrach Z.S.Lisitsyna, konsul'tant - doktor med.nauk O.K. Shaposhnikov).
(SWIMMING POOLS--HYGIENIC ASPECTS) (RINGWORM)
(FOOT--DISEASES)

GAMOVA-KAYUKOVA, N.I.; SAMYSHKINA, M.A.; Prinimala uchastiye: IVANOVA, R.A., laborant

Artificial leather resistant to the action of microorganisms under high moisture and high temperature conditions. Kozh.-obuv.prom. 4 no.4:26-28 Ap '62. (MIRA 15:5)
(Leather, Artificial--Microbiology)



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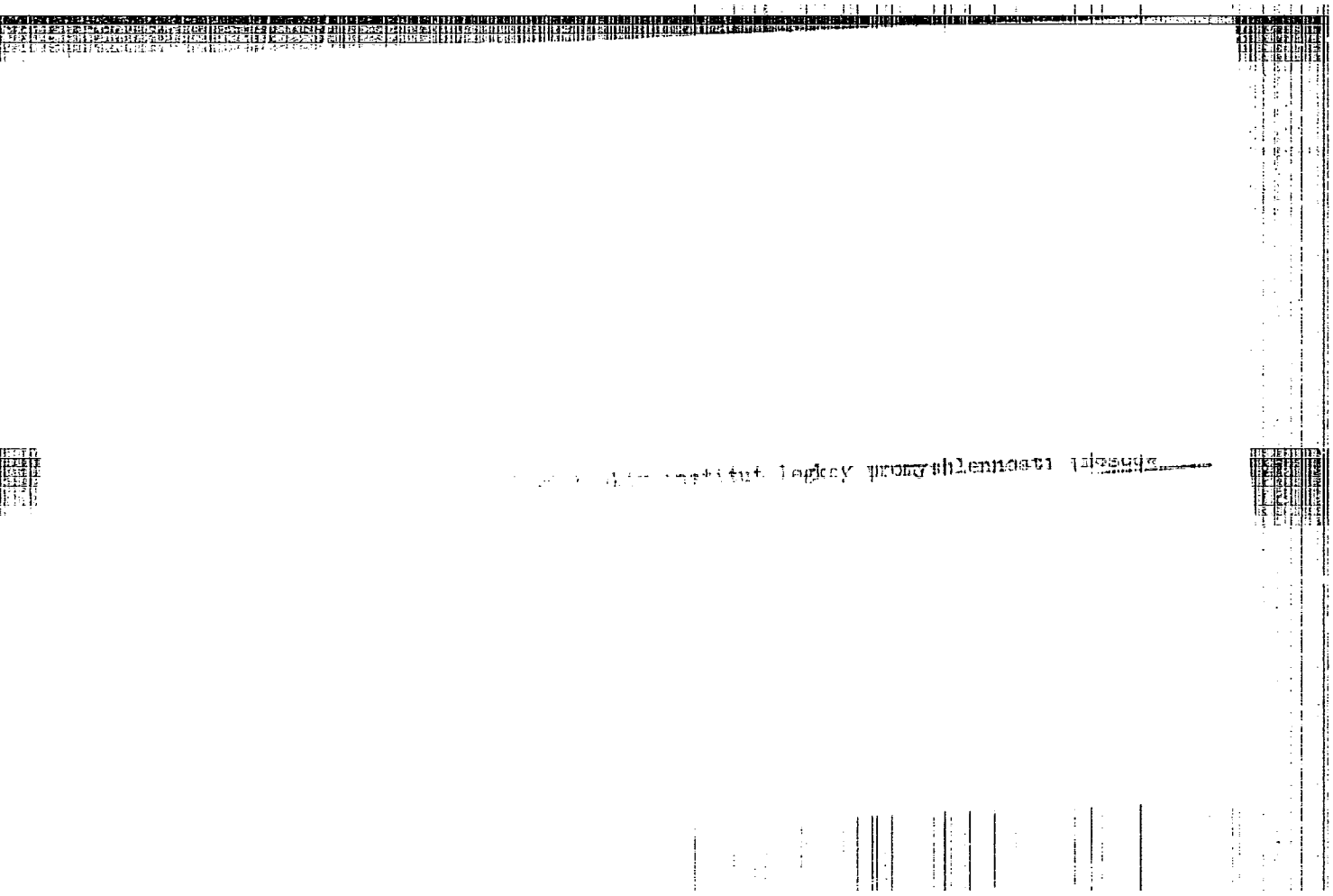


IVANOVA, R.D.

Vegetation in eroded sections of the right-bank area of Saratov Province on soils of heavy mechanical composition and its role in erosion prevention. Uch. zap. Sar. un. 64:69-86 '59.
(MIRA 13:9)

(Saratov Province--Soil binding)

IVANOVA, R.G.

KULIKOVA, N.M.; IVANOVA, R.G.

Effect of raised geound water level on meadow vegetation. Uch.zap. Kaz.un. 113 no.1:51-61 '53. (MLRA 10:3)
(Tatar A.S.S.R.--Meadows and pastures)
(Soil moisture)

IVANOVA, R.K. (Tomsk)

Change in the content of the total iron in the blood of dogs during chronic loss of bile. Pat. fiziol. i eksp. terap. 6 no.1:87-88 Ja-F '62. (MIRA 15:3)

1. Iz kafedry normal'noy fiziologii (zav. - prof. Ye.F. Larin) Tomskogo meditsinskogo instituta.

(IRON IN THE BODY)
(BILE)

IVANOVA, R.G.

Useful wild plants of the Volga and Kama bottomlands within the boundaries of the Tatar A.S.S.R. Uch.zap.Kaz.un.115 no.5:153-197 '55. (MIRA 10:3)

(Tatar A.S.S.R.--Botany, Economic)

SAYUN, M.G.; YURASOVA, G.M.; IVANOVA, R.G.; MASHUKOV, A.Ya.

Xylenol orange in the complexonometric determination of lead in lead concentrates. Zav.lab. 27 no.8:961-963 '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy gornometallurgicheskiy institut tsvetnykh metallov.
(Lead--Analysis)

IVANOVA, R.K.

Erythrocyte and leukocyte counts in dogs following exclusion of bile from the organism. Trudy Vses.ob-va fiziol.biokhim.i farm. 2:140-142 '54. (MLRA 8:7)

1. Tomskiy meditsinskiy institut im. V.M.Molotova.
(ERYTHROCYTE,
count, eff. of exclusion of bile from organism in dogs)
(LEUKOCYTE COUNT,
eff. of exclusion of bile from organism in dogs)
(BILE,
eff. of exclusion from organism on erythrocyte & leukocyte in dogs)

T

USSR/Human and Animal Physiology - Blood. Blood Diseases.

Abs Jour : Ref Zhur Biol., No 3, 1959, 12685

Author : Ivanova, R.K.

Inst : Tomsk University

Title : Role of Hemopoietic Factor in Development of Anemia in Dogs with Parial Loss of Bile in the Organism by Way of External Biliary Fistula. (Report I. Role of "Intrinsic Factor")

Orig Pub : Tr. Tomskogo un-ta, 1956, 143, 251-256

Abstract : No abstract.

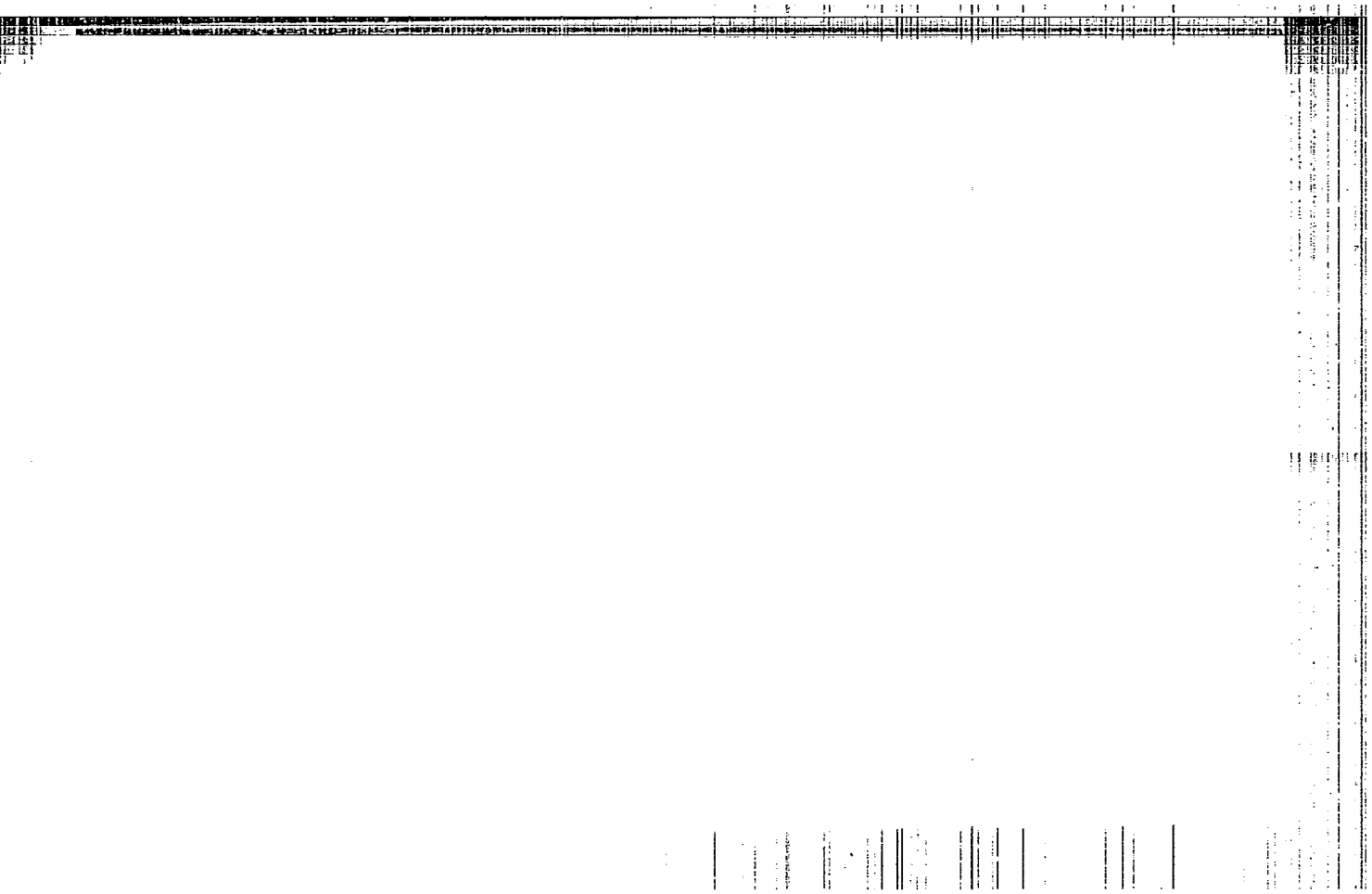
Card 1/1

IVANOV, K.K., C and Med Sci--(diss) "Data on the study of [illegible] developing in dogs [illegible] shutting off [illegible] in the organism." Tomsk, 1957. 13 pp (Tomsk State Med Inst im V.M. Molotov), 200 copies (KL, 25-58, 119)

IVANOVA, R.M.; ASHRAFI, R.I.; BURIKOVA, Ye.M.; VITTENBERG, Z.V.; ZARETSKAYA, A.R.; NAZAR'YEVA, M.S.; RAFIYENKO, D.V.; BUHAKOVA, G.Ye.; KUTSENKO, I.T.; KAS'YANOVA, Ye.M.; PERSHIN, S.P., inzh.

Observations on the stability of track. Put' i put.khoz. no.10:6-7 O '59. (MIRA 13:2)

1. Studenty Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for all except Pershin).
(Railroads--Track)



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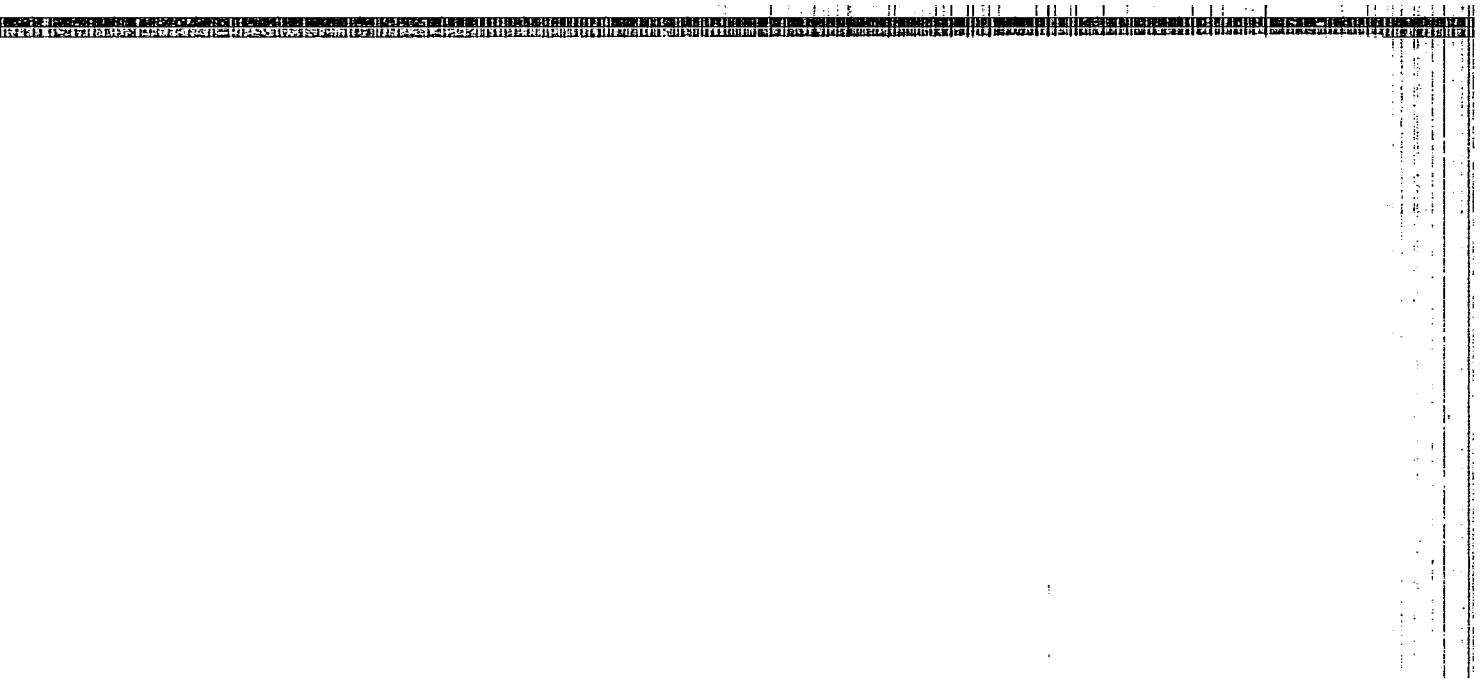

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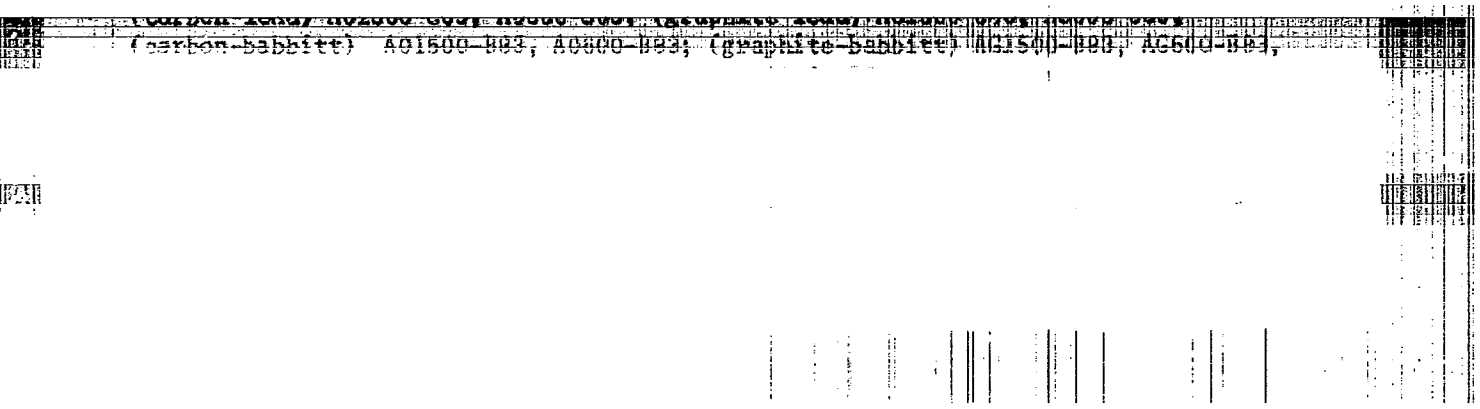


IVANOVA, R.N.

Mycorrhiza of the Siberian pine. Trudy Tom. obl kraeved. muz. 6 no.1: 36-40 '62.

Recommendation for the seeding and planting of Siberian pine in the forest nurseries and in forest plantation areas of Irkutsk Province. Ibid.:76-82. (MIRA 17:11)

1. Vostochno-Sibirskiy otdel Vsesoyuznogo geograficheskogo obshchestva.

L 40905-66 EWT(1)/EWT(m)/FCC/EWP(t)/ETI IJP(c) GW/JD

ACC NR: AP6011373 SOURCE CODE: UR/0362/66/002/003/0308/0311

AUTHOR: Bazhenov, V. A.; Ivanova, R. N.; Miroshnikov, M. M.

ORG: none

TITLE: Determination of the mass of H_2O, CO_2, and O_3 in various layers of the atmosphere

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 3, 1966, 308-311

TOPIC TAGS: atmospheric moisture, atmospheric ozone, carbon dioxide, atmospheric optics

ABSTRACT: A method is described for calculating the mass of absorbing gases (H_2O, CO_2, and O_3) along inclined paths which connect any two points in the atmosphere. The curvature of the earth and refraction are taken into account. The vertical distribution of the concentration of gases is assumed given. The magnitude of refraction is determined by the height variation of the index of refraction of air. A nomogram is plotted on the basis of information on the refraction curvature of an optical ray in the atmosphere. The nomogram is used to determine the height of the observer, the height of the radiation source, the zenith angle of observation, the zenith angle of radiation, and the distance between the observer and the radiation source. If any three of these geometric quantities are known, the remaining ones can be determined by using the nomogram. A formula is given for determining the mass of the absorbing gas. After

Card 1/2 UDC: 551.510.03:551.593.1

L 40905-66
ACC NR: AP6011373

determining the mass of the absorbing gas on the path of the ray in a given stratum of the atmosphere, the absorption radiation by the stratum is determined. The author thanks B. S. Neporent, Ye. O. Fedorova, and M. S. Kiseleva for their important comments while performing this study. Orig. art. has: 2 tables, 4 figures, and 3 formulas.

SUB CODE: 04/ SUBM DATE: 13Oct65/ ORIG REF: 002/ OTH REF: 006

Card 2/2 MLP

SMIRNOV, B.P.; IVANOVA, R.P.

Effect of calcium ions on the respiration of isolated chloroplasts. Izv.Kar.i Kol'.fil.AN SSSR no.4:76-81 '59.
(MIRA 13:5)

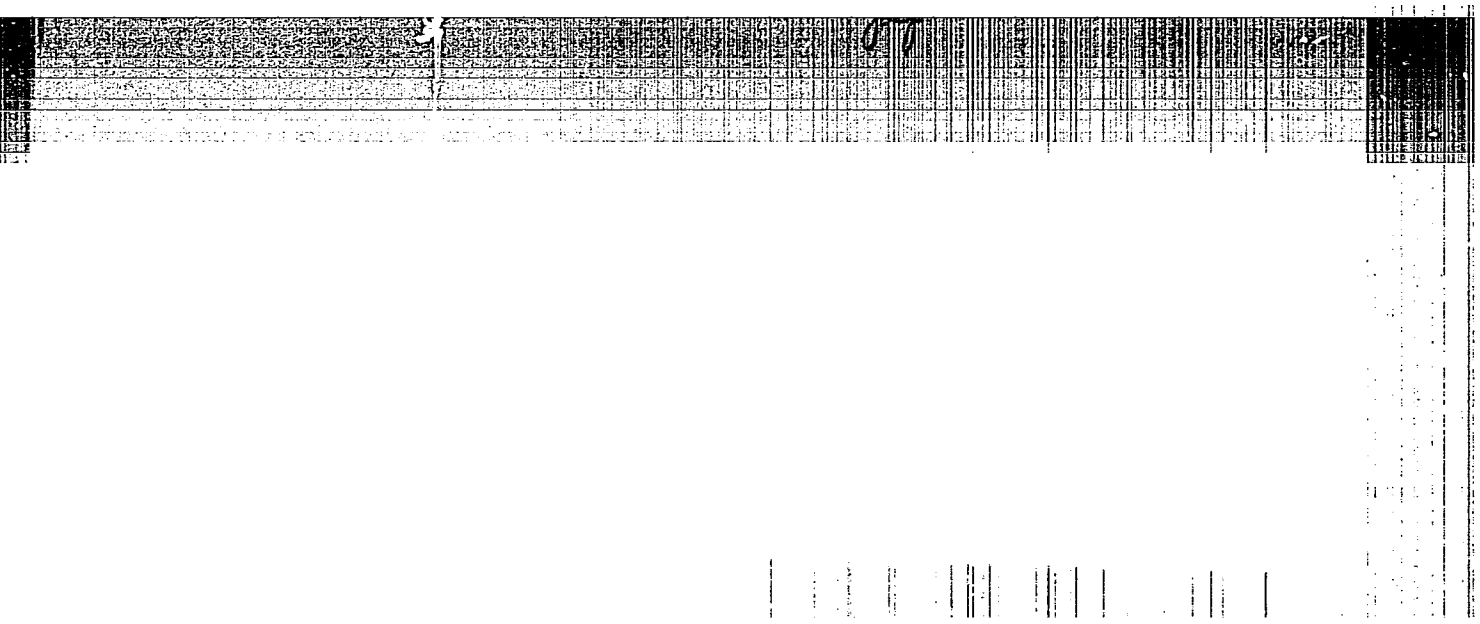
1. Laboratoriya biokhimii lipidov Instituta biologii Karel'skogo filiala AN SSSR.
(Chromatophores) (Calcium--Physiological effect)

DADYKIN, V.P.; IVANOVA, R.P.

Acid-soluble compounds in rape and sugar beet plants grown at different soil temperatures and given different mineral nutrients. Dokl. AN SSSR 146 no.1:229-232 S '62. (MIRA 15:9)

1. Karel'skiy filial AN SSSR. Predstavleno akademikom N.M. Sisakyanom.

(Plants—Metabolism)



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IVANOVA, R.P.

Behavior of the Integral Curves of a System of Four Differential Equations in the Neighborhood of a Singular Point p. 61

TRANSACTIONS OF THE 2ND REPUBLICAN CONFERENCE ON MATHEMATICS AND MECHANICS (TRUDY VTOROY RESPUBLIKANSKOY KNOFERENTSII PO MATEMATIKE I MEKHANIKE), 184 pages published by the publishing house of the AS KAZAKH SSR, ALMA-ATA, USSR, 1962

L 14153-66 EWT(m)
ACC NR: AP6001316 SOURCE CODE: UR/0240/65/000/009/0040/0044

AUTHOR: Mosin, A. F.; Ivanova, R. P.; Karabayev, E. M. 49

ORG: Institute of Medical Radiology, AMN SSSR, Obninsk (Institut meditsinskoy radiologii AMN SSSR) B

TITLE: Energy-producing processes and post-radiation cell recovery 19

SOURCE: AMN SSSR. Vestnik, no. 9, 1965, 40-44

TOPIC TAGS: cytology, yeast, biologic respiration, cell physiology, fermentation, ionizing radiation, radiation damage

ABSTRACT: Yeast cells were used in a study of respiration and fermentation, two processes intimately associated with cell recovery after irradiation. Intensity of respiration was found to be much higher in irradiated than in unirradiated cells, the rate being directly proportional to the dose. The experiments showed that yeast strains capable of recovery after irradiation consume much more oxygen than do strains that do not possess this capacity. The latter include haploids which lose their ability to multiply indefinitely after exposure to ionizing radiation.

UDC: 612.014.482 : [612.6.03 : 612.26]+617-001.28-07:616-003.93-018]
Card 1/2

2

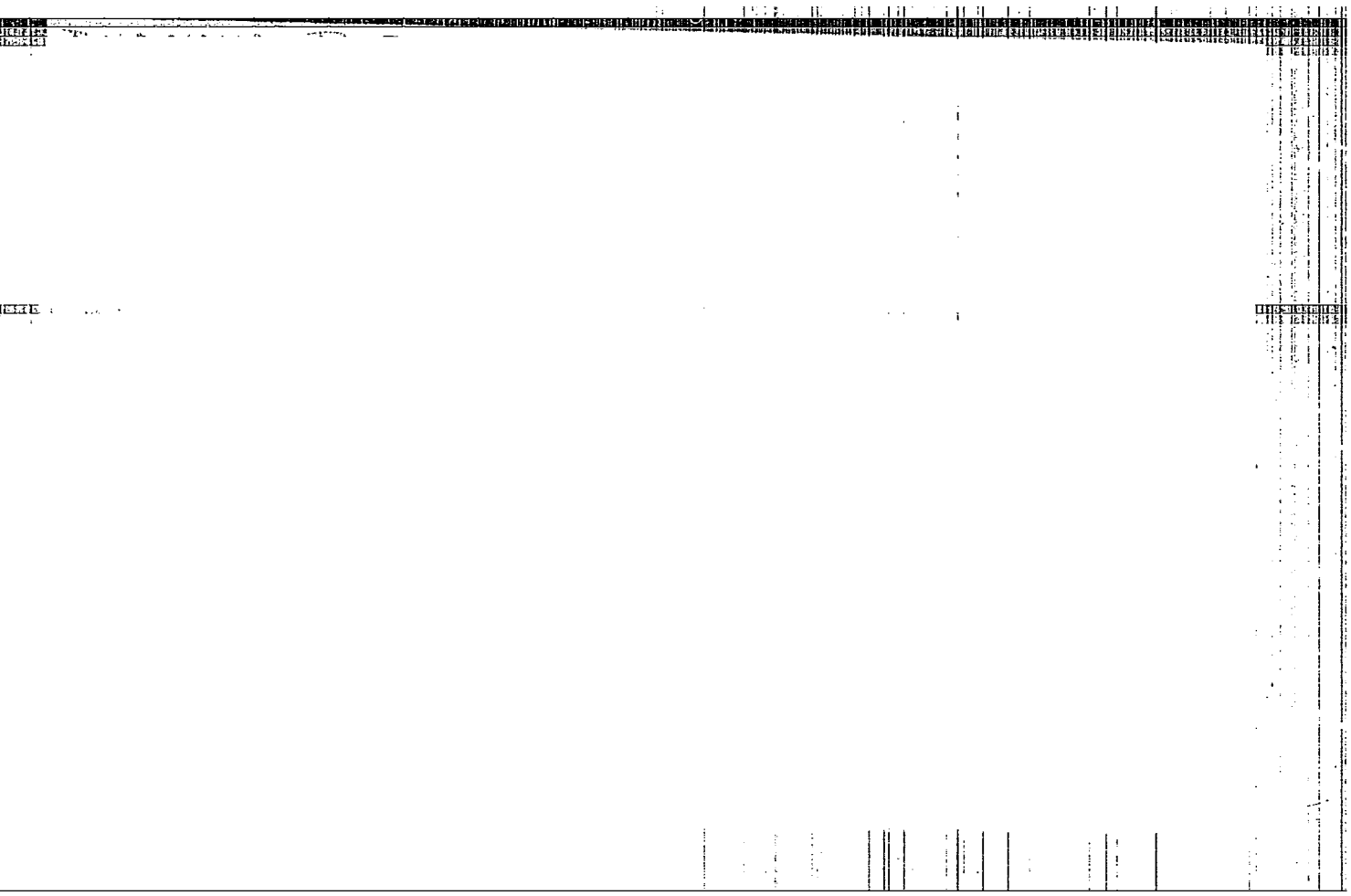
L 14153-66

ACC NR: AP6001316

The authors suggest that intensification of the oxidation processes in irradiated cells is a means of detoxifying the products generated by irradiation; it may also ensure the generation of macroergic compounds needed for repair of the injured macromolecules. A relationship was found between the restoration of irradiated yeast under anaerobic conditions and the cell concentration in suspension, the amount of glucose per cell being equal. The denser the cell suspension, the lower the level of recovery. This may be due to the accumulation of the end products of metabolism in the medium. Even with fairly low concentrations of alcohol (2-4%), recovery in the presence of glucose in dilute suspensions was greatly inhibited. Orig. art. has: 2 figures, 2 tables.

SUB CODE: 06/ SUBM DATE: 05Jun65/ ORIG REF: 004/ OTH REF: 002

Card 2/2



24.7600

67661

AUTHOR: Ivanova, R.P. SOV/126-8-6-8/24

TITLE: The Temperature Dependence of the Thermomagnetic Nernst-Ettingshausen Effect in Nickel and Nickel-Iron Alloys

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 8, Nr 6, pp 851-856 (USSR)

ABSTRACT: The authors studied the Nernst-Ettingshausen effect in nickel and six nickel-iron alloys (alloys Nr 1 to 6 with 36, 45, 55, 65, 75 and 85% Ni respectively). The dependences of this effect on magnetic field intensity (up to ~1600 Oe) and on temperature (40 to 600°C) were obtained as well as its dependence on the composition of the alloys at various temperatures. Measurements were carried out on samples in the form of parallelepipeds of 5 x 15 x 150 mm dimensions. The temperature gradient was produced by means of two heaters (nichrome spirals) placed inside copper tubes and insulated with quartz from the latter. These copper tubes were laid along the longest faces of the sample, as shown in Fig 1. The temperature gradient (ΔT) produced in this way amounted to 5 to 10°C and it was held constant in a given test to within 0.05°C.

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Temperatures were measured by means of two chromel-alumel thermocouples, a low-resistance potentiometer of PPTN-1 type and an M-21/4 galvanometer. The heaters were supplied from a stabilized source and the sample was placed inside a molybdenum glass tube (Fig 1) evacuated to 0.01 mm Hg. Before measurements each sample was kept in a given temperature gradient for one hour. The Nernst-Ettingshausen emf was measured by a compensation technique, using a low-resistance d.c. potentiometer; when the emf was very low a photoelectro-optical amplifier was employed. The terminals used to measure the Nernst-Ettingshausen emf were in the form of projections, integral with the sample, to which silver electrodes were soldered. The dependence of the Nernst-Ettingshausen emf on the applied magnetic field in pure nickel is shown in Fig 2 (the individual curves represent different sample temperatures, defined as the mean between the temperatures at the two heated faces of the sample). The curves of Fig 2 are typical also of the field dependence of the Nernst-Ettingshausen emf of the six nickel-iron alloys.

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The ordinate of Fig 2 represents q quantity $E\ell/\Delta Tb$ volt/deg, where E is the Nernst-Ettingshausen emf in volts; ℓ is the distance between the two thermocouples in cm; b is the thickness of the sample in cm and ΔT is the temperature difference between the two heated faces of the sample (in °C). Fig 2 shows that in fields of the order of 75 to 100 Oe the Nernst-Ettingshausen emf of pure nickel rises rapidly. In the case of alloys with small amounts of nickel this rise is linear. In fields greater than ~100 Oe the value of the Nernst-Ettingshausen emf (E) reaches saturation in all cases except when measurements were made close to the Curie point (in such cases a continuous increase of E with the magnetic field H was observed). The saturation emf were extrapolated until they cut the ordinate axis (H = 0). Fig 3 shows the temperature dependence of the quantities obtained by such extrapolation for pure Ni and the six Ni-Fe alloys. Between 40 and 650°C the curves representing the Nernst-Ettingshausen emf of nickel and the alloys Nr 3 to 6 (55, 65, 75, 85% Ni) first rise linearly with temperature and

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then they reach maxima of $(E\ell/\Delta Tb)_{H=0}$ at temperatures which are different for different compositions. These maxima are 1.17 (at 260°C), 6.0 (at 300°C), 3.6 (at 460°C), 6.8 (at 420°C) and 1.8 μV/deg (at 280°C) in the case of samples with 55, 65, 75, 85 and 100% nickel respectively. After passing through their maxima the curves representing Ni and the alloys Nr 3 to 6 fall rapidly with increase of temperature on approaching their Curie points. The saturation values of the Nernst-Ettingshausen emf of the alloys Nr 1 and 2 (36 and 45% Ni) fall linearly with temperature (Fig 3); these straight lines are simply the falling portions of curves which are similar in shape to those of pure Ni and the alloys Nr 3 to 6. Dependence of E on the composition at temperatures of 100, 200, 300 and 400°C is shown in Fig 4. All curves in Fig 4 have two maxima. One of these occurs at 85% Ni at all temperatures and its value rises with increase of temperature. The other maximum is displaced on rise of temperature towards higher amounts of Ni and its value falls with increase of temperature.

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The Temperature Dependence of the Thermomagnetic Nernst-Ettingshausen Effect in Nickel and Nickel-Iron Alloys

Acknowledgment is made to Professor Ye.I.Kondorskaya for her advice. There are 4 figures, 1 table and 6 references, 3 of which are Soviet and 3 English.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

SUBMITTED: May 8, 1959

Card 5/5

IVANOVA, R.P.

Transverse thermomagnetic effect in nickel and iron-nickel alloys as a function of magnetization. Vest Mosk. un. Ser. mat., mekh., astron., fiz., khim. 14 no.2:79-86 '59 (MIRA 13:3)

1. Kafedra magnetizma Moskovskogo gosuniversiteta.
(Thermomagnetism) (Nickel) (Iron-nickel alloys)

MOROZOVA, O.V.; IVANOVA, R.P.; KOZLOV, V.N.

Chemical composition of wood from dying and dry trunks of Korean pine and Ayan spruce. Izv.Sib.otd.AN SSSRR no.3:45-49 '60.
(MIRA 13:10)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR i Ural'skiy filial AN SSSR.
(Pine) (Spruce)

MOSIN, A.F.; IVANOVA, R.P.; KARABAYEV, E.M.

Processes supplying energy and postradiation restoration of the cell. Vest. AMN SSSR 20 no.9:40-44 '65.

(MIRA 18:11)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk.

DADYKIN, V.P.; GRUSHEVSKIY, B.N.; IVANOVA, R.P.; POTAYEVICH, Ye.V.

Environmental conditions and energy metabolism in plants. Trudy Kar. fil. AN SSSR no.37:4-23 '64. (MIRA 18:3)

KIM, M.P., glav. red.; ARUTYUNYAN, Yu.V., red.; GUSEV, K.V., red.; DANILOV, V.P., red.p SHARAPOV, G.V., red.; IVANOVA, R.S., red.; KACHURINA, A.V., red.; RATNER, V.I., red.; NAUMOV, K.M., tekhn. red.

[Alliance between the working class and peasantry at the present-day stage]Soiuz rabochego klassa i krest'ianstva na sovremennom etape. Moskva, Izd-vo VPSh i AON, 1962. 358 p. (MIRA 15:9)

1. Moscow. Akademiya obshchestvennykh nauk.
(Agricultural policy)

MUKHLENOV, I.P.; IVANOVA, R.S.; SOROKO, V.Ye.

Effect of water vapors and iron compounds on the activity of a vanadium catalyst in a fluidized bed. Zhur. prikl. khim. 36 no.4:730-736 Ap '63. (MIRA 16:7)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.
(Vanadium catalysts) (Water vapor)
(Iron compounds)

IVANOVA, R.S.; MUKHLENOV, I.P.

Poisoning of a vanadium catalyst in a fluidized bed by arsenic trioxide. Zhur. prikl. khim. 36 no.4:737-742 Ap '63.
(MIRA 16:7)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.
(Vanadium catalysts) (Arsenic oxides)

NOVIKOVA, S. A.; IVANOVA, R. S.

Measuring the force of birefrigerence of synthetic fibers.
Khim. volok. no.6:34-36 '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Textile fibers, Synthetic—Optical properties)

MUKHLENOV, I.P.; IVANOVA, R.S.

Poisoning of a vanadium catalyst for the oxidation of sulfurous anhydride in fluidized bed. Zhur. prikl. khim. 38 no. 10: 2328-2330 O '65. (MIRA 18:12)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta. Submitted Sept. 13, 1963.

ACC NR: AT6034468 (N) SOURCE CODE: UR/0000/66/000/000/0290/0292

AUTHOR: Ivanova, R. S.; Ignatov, D. V.; Zaytsev, A. A.

ORG: none

TITLE: Electronographic investigation of the carbonization of thin films of tungsten, annealed in vacuum at high temperatures

SOURCE: AN SSSR. Institut metallurgii. Svoystva i primeneniye zharoprochnykh splavov (Properties and application of heat resistant alloys). Moscow, Izd-vo Nauka, 1966, 290-292

TOPIC TAGS: metal film, tungsten, electronic measurement

ABSTRACT: The experimental samples were thin films of tungsten (thickness 400 Å), produced in a vacuum of 3×10^{-6} torr by vaporization and condensation on a support. The supports used were sheets of mica and lumps of sodium chloride. The tungsten spiral for vaporization was made from a wire with a diameter of 150 mm, and was 15 mm long and had a diameter of 1.5-2 mm. The mounted spiral was etched in mixture of nitric and hydrofluoric acids. Before vaporization the spiral was degassed for a long period of time by heating it with an electric current in a vacuum of 10^{-5}-10^{-6} torr. The tungsten films, with a thickness of 400-500 Å, were separated from the supports by carefully immersing the mica sheets or the sodium chloride in a cup of distilled water.

ACC NR: AT6034468

The films were washed of traces of salts by transferring them into another cup of pure water. The tungsten films produced in this manner were heated in the temperature interval of 800 to 1800° in a vacuum of 10^{-4}-10^{-6} torr, by passing an electric current. The phase composition of the films was determined by the electronographic method. Analysis of the electronograms showed that: 1) tungsten films heated in a vacuum of 10^{-4} torr without the use of traps cooled by liquid nitrogen, at temperatures of 900-1000°, are transformed within 1 hour into the carbides W_2C and WC; at 800°, W_2C is observed in the amount of approximately 30%; 2) even for films heated in a vacuum of 3×10^{-6} torr, with the use of two traps cooled by liquid nitrogen, in the temperature interval from 1000-1700°, there is always present a mixture of W_2C and WC. Orig. art. has: 2 figures.

SUB CODE: 11/ 09/ SUBM DATE: 10Jun66/ ORIG REF: 001/ OTH REF: 001

Card 2/2

IVANOVA, R.V.; PROTASOVA, Yu.S.; STEPUKHOVICH, A.D.

Effect of the heteorogenous s/v factor on the kinetics and mechanism of the cracking of butanes. Neftekhimiia 5 no.1: 33-39 Ja-F '65. (MIRA 18:5)

1. Saratovskiy gosudarstvennyy universitet imeni Chernyshevskogo, kafedra khimicheskoy fiziki.

USSR / General and Special Zoology. Insects. Harmful Insects and Arachnids. Pests of Forage Cultures. P

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64075.

Author : Ivanova R. V.
Inst : [illegible].
Title : Measures to Control curculio Tychius on the Alfalfa Plant.

Orig Pub: Zashchita rast. ot vredit. i bolezney, 1957, No 3,42-43.

Abstract: Economic-organizational and agrotechnical measures are territorial separation (5-6 km), preferably of new sowings from alfalfa seed plants; yearly utilization of alfalfa sowing for seeds, in extreme cases alternation of utilization for seeds and hay; early (not after budding) cutting of the seminal alfalfa and gathering the harvest

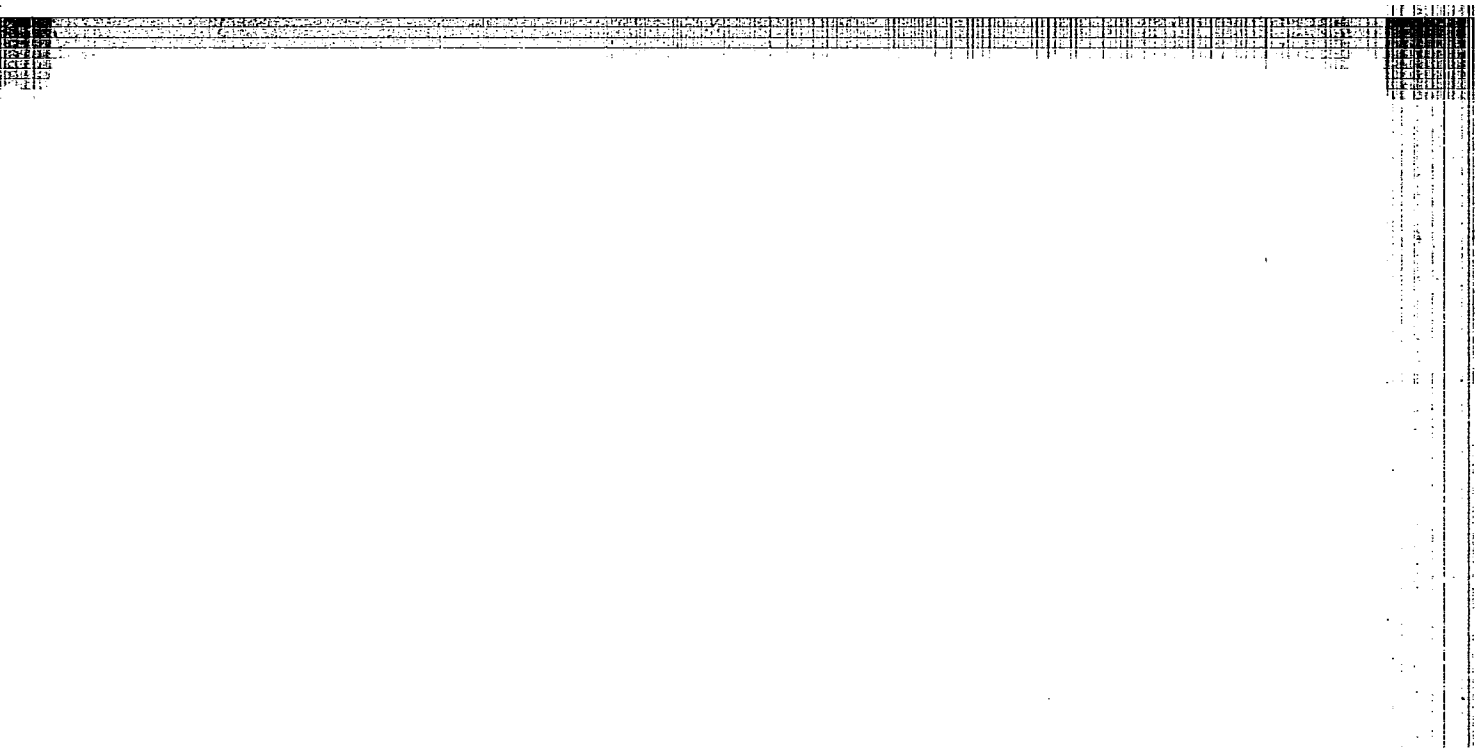
Card 1/2

USSR / General and Special Zoology. Insects. Harmful Insects and Arachnids. Pests of Forage Cultures. P

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64075.

Abstract: from the second crop, oven from a part of the area, and tilling the alfalfa layer to a depth of 25-30 cm with preliminary shallow plowing. The period of the alfalfa chemical treatment lasts from the budding time to the end of blossoming, excluding the time of mass blossoming. The best crop was obtained by treating alfalfa with DDT or BHC (120 kg/ha) and with "Vofatoks" (20 kg/ha). At the expenditure of 115-76 rubles on chemical toxic agents per one hectare, the value of the additional produce amounted to 1500 rubles or more. -- A. P. Adrianov.

Card 2/2



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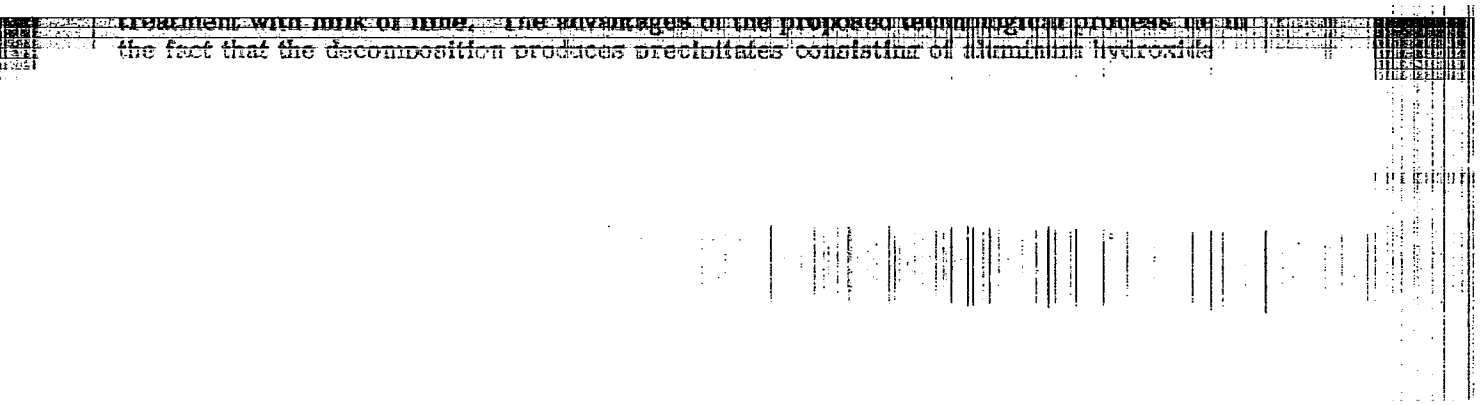

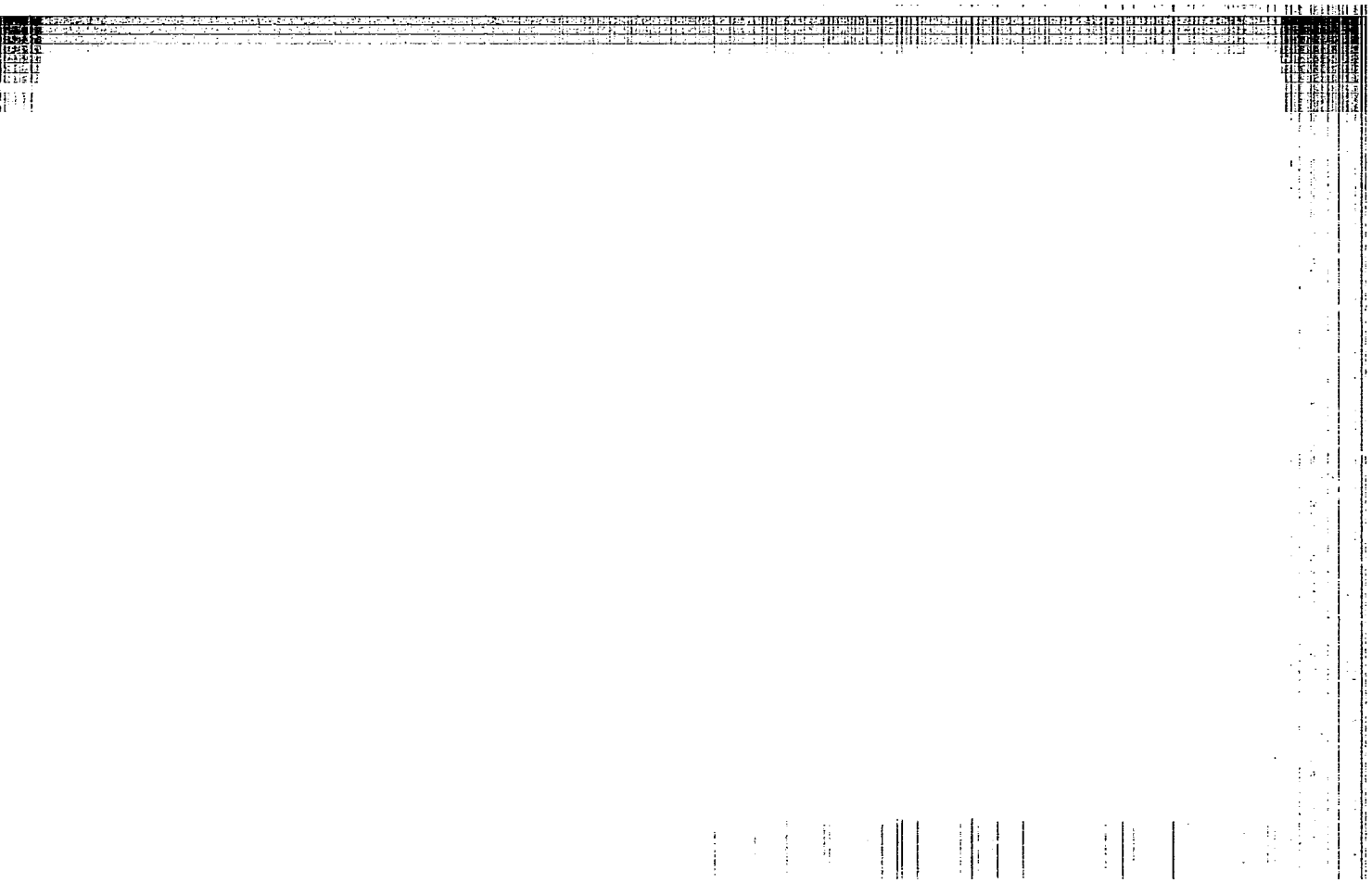

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USSR/General and Systematic Zoology. Insects. Harmful Insects and Acarids. Fodder Pests. P

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11623

Author : Ivanova R.V.
Inst : Scientific-Research Institute of the Central Chernozem Belt.
Title : Conditions of the Mass Multiplication of Alfalfa Seed-Eating Weevils (Curculio Tychius).

Orig Pub : Byul. nauchno-tekhn. inform. N.-i. in-ta s.-kh. tsentr. chernozenn. polosy, 1957, No 3, 57.

Abstract : The weevils emerge from hibernation at the average daily temperature of 7-15° in the course of 21-32 days and take nourishment at a temperature above 15°. The embryonic development at 25° lasts 6 days; at 12-20°, 10 days. The humid soil surface is not favorable for the pupation of larvae.

Card : 1/2

USSR/General and Systematic Zoology. Insects. Harmful Insects and Acarids. Fodder Pests.

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11623

Temperatures greater than 30° inhibit the development of the weevils.

Card : 2/2

SANKOVA, L.I., inzh.; IVANOVA, R.V., inzh.

Electron microscopy study of polishing powders. Stek. i ker. 21 no.1:34-37 Ja '64. (MIRA 17:8)

KARPOV, Yu.A.; GLAVIN, G.G.; ZAV'YALOV, O.V.; IVANOVA, R.V.

Evaluation of the sensitivity of oxygen detection in niobium by the vacuum melting method. Zav.lab. 31 no.10:1190-1191 '65. (MIRA 19:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti.

IVANOVA, R.V., Cand Agr Sci -- (diss) "Biological ~~particularities~~ peculiarities of the alfalfa seed-eating gnat ~~Tychius~~ and measures for controlling it Tychius flavus Beck and a system ~~for combating them~~."

Len 1958, 18 pp with diagrams (Min of Agr USSR. Len Agr Inst) 100 copies (KL, 2-58, 92)

IVANOVA, R.V.

Distribution of apple pests in Ivanovo Province. K pozn.fauny i flory Ivan.obl. no.1:66-71 '61. (MIRA 15:7)
(Ivanovo Province--Apple--Diseases and pests)
(Ivanovo Province--Insects, Injurious and beneficial)

IVANOVA, R.V.

Apropos of neuropsychic disorders in hyperinsulinism with the hypoglycemic syndrome. Zhur.nevr.i psikh. 60 no.7:882-886 '60. (MIRA 14:1)

1. Kafedra psikhiatrii detskogo vozrasta (zav. - prof. G.Ye. Sukhareva) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

(HYPERINSULINISM) (HYPOGLYCEMIA)

DAMASKIN, B.B.; NIKOLAYEVA-FEDOROVICH, N.V.; IVANOVA, R.V. (Moscow)

Adsorption of anions of aliphatic sulfonic acids on the mercury electrode, and effect of these anions on the kinetics of electrode processes. Zhur. fiz. khim. 34 no.4:894-906 Ap '60. (MIRA 14:5)

(Sulfonic acids) (Electrodes, Mercury)

PYATNOV, V.I.; BIBIKOVA, V.I.; DARVOID, T.I.; IVANOVA, R.V.; KASATKINA, N.A.; GINZBURG, A.I., nauchnyy red.; NEMANOVA, G.F., red. izd-va; BYKOVA, V.V., tekhn. red.

[Industry's requirements as to quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. No.53. [Thallium, indium, gallium] Tallii, indii, gallii. By V.I.Piatnov i dr. Nauchn. red. A.I.Ginzburg. 1961. 53 p. (MIRA 14:11)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Thallium) (Indium) (Gallium)

KOROVIN, S.S.; IVANOVA, R.V.; SAAKOVA, O.V.; BOL'SHAKOV, K.A.

Extraction of gallium from the sulfuric acid solutions by butyl acetate. Zhur. prikl. khim. 34 no.5:1007-1012 My '61. (MIRA 16:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. Lomonosova.

(Gallium) (Sulfuric acid) (Acetic acid)

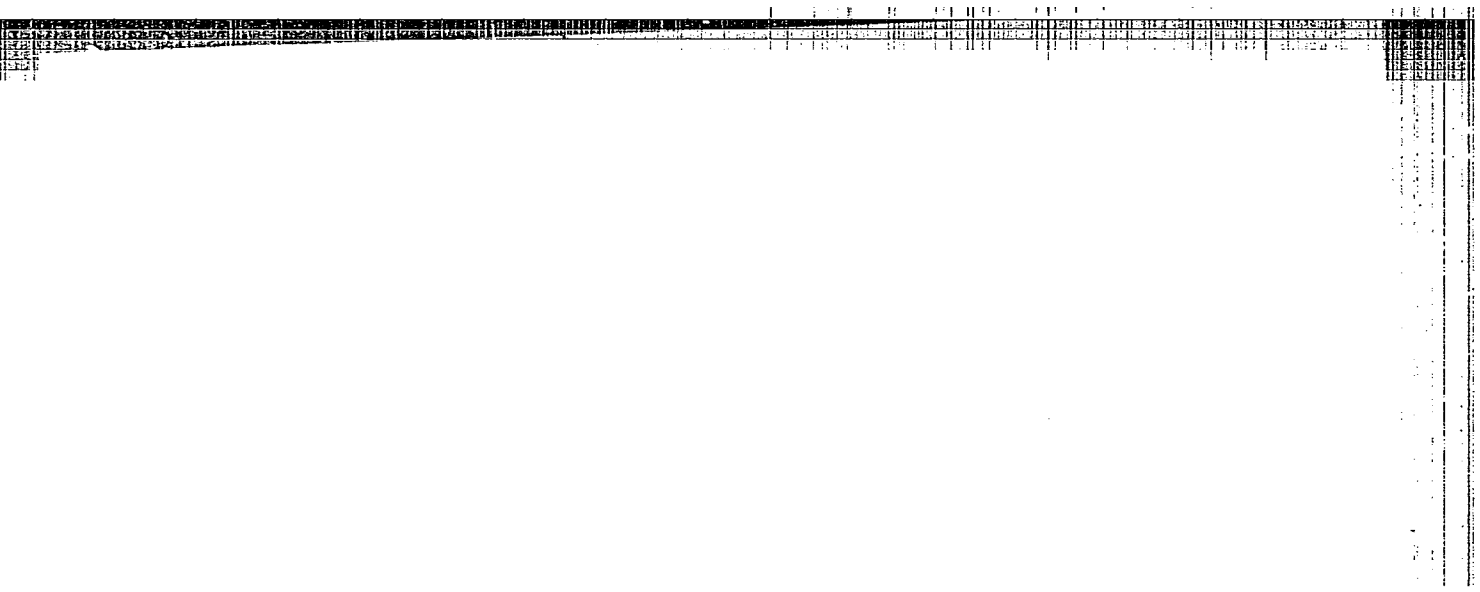
BIBIKOVA, V.I., IVANOVA, R.V.

"Technologische methoden der gewinnung von metallischem gallium aud aluminiumrohstoffen."

Report submitted to the 14th Congress on Mining and Metallurgy, Freiberg, GDR 13-16 June 1962

NIKOLAYENKO, V.P.; IVANOVA, R.V.

Industrial mastering of drum separators with magnetic systems of barium ferrite. Met. i gornorud. prom. no.2:79-80 Mr-Ap '65. (MIRA 18:5)



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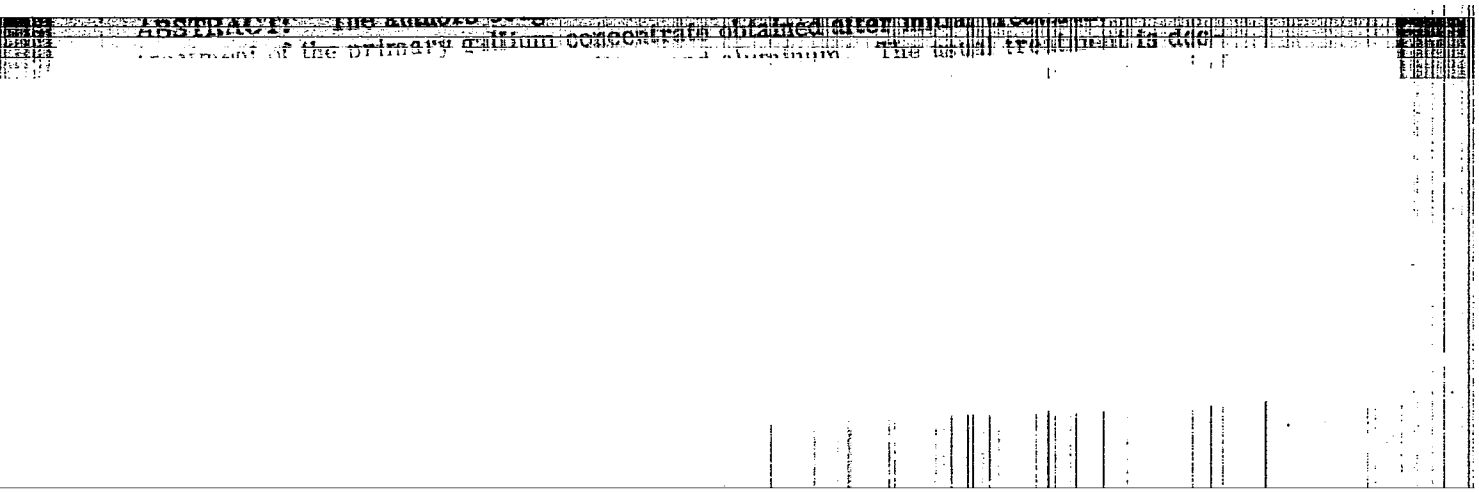

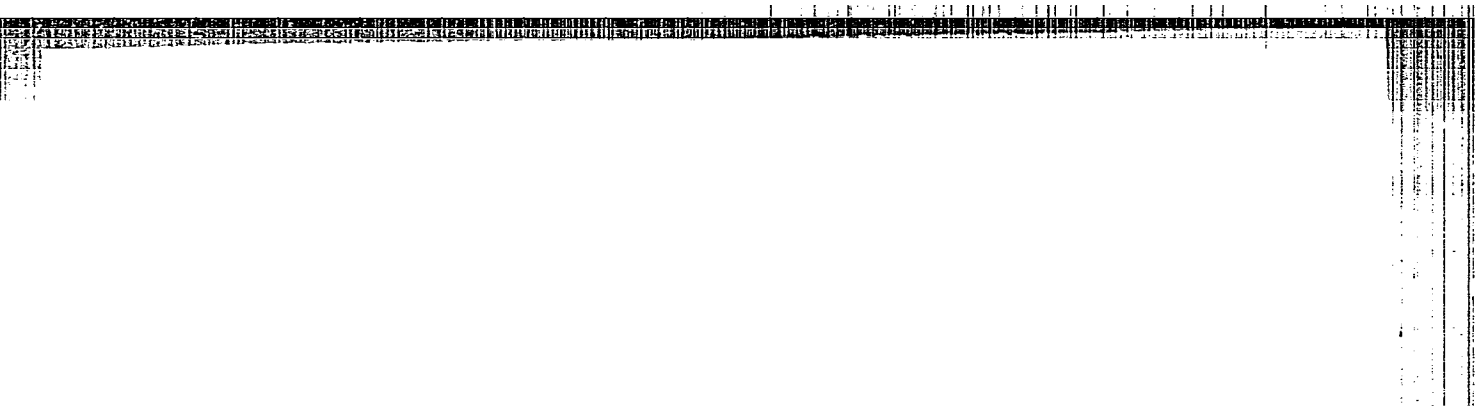

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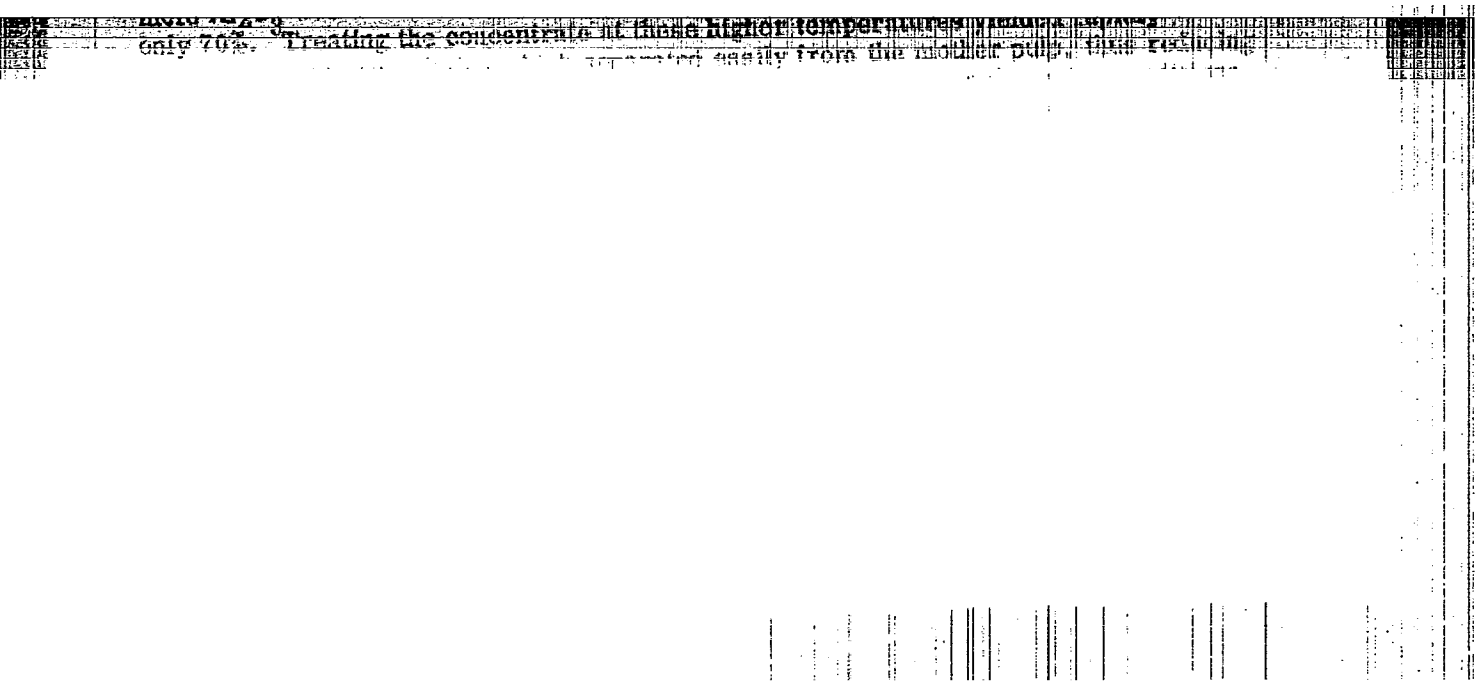

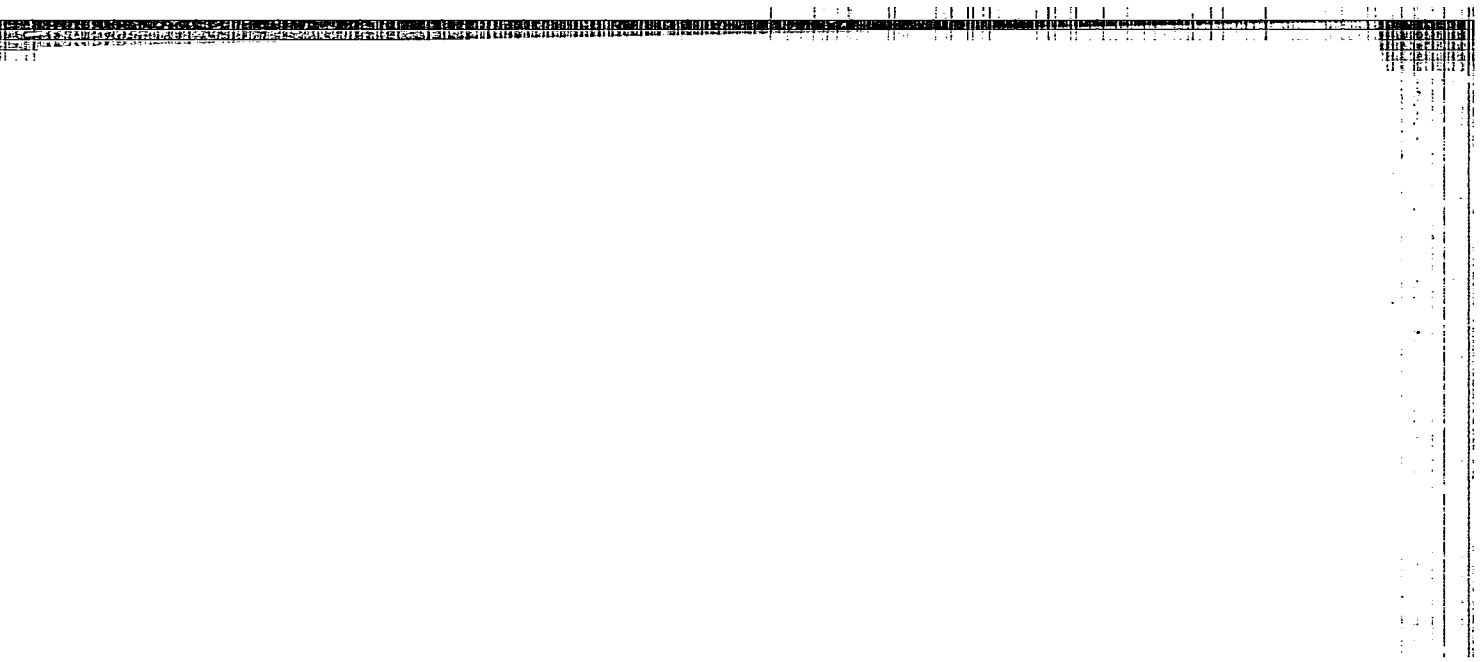

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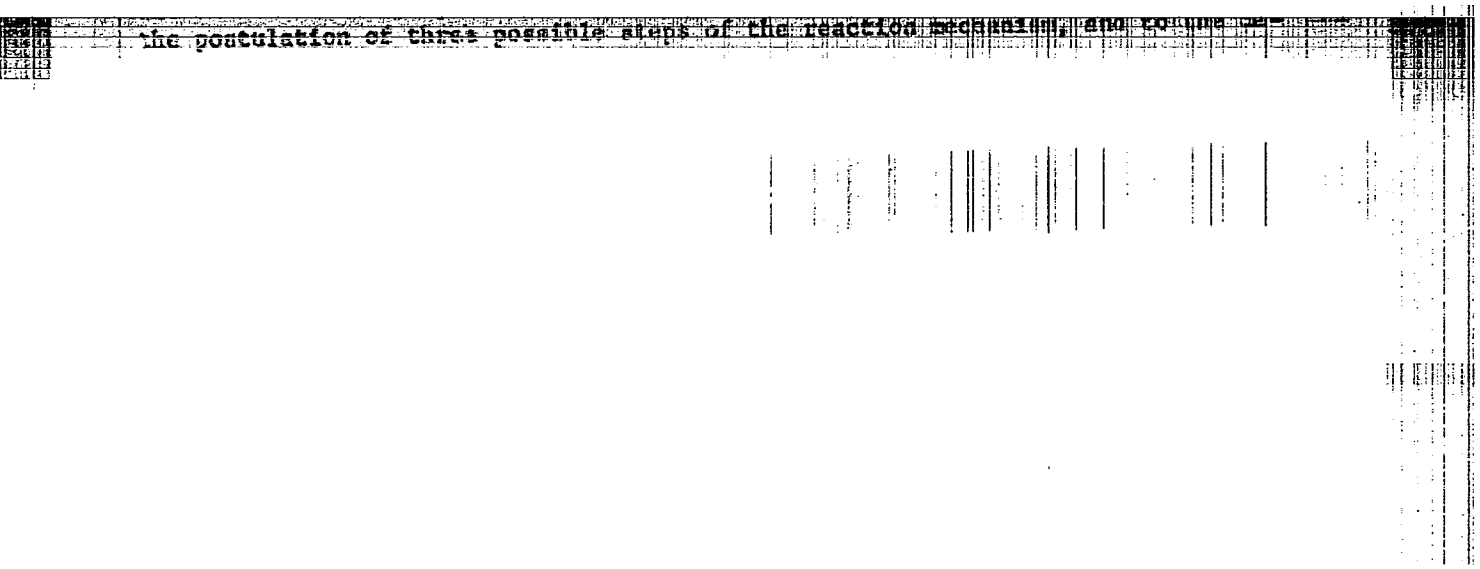

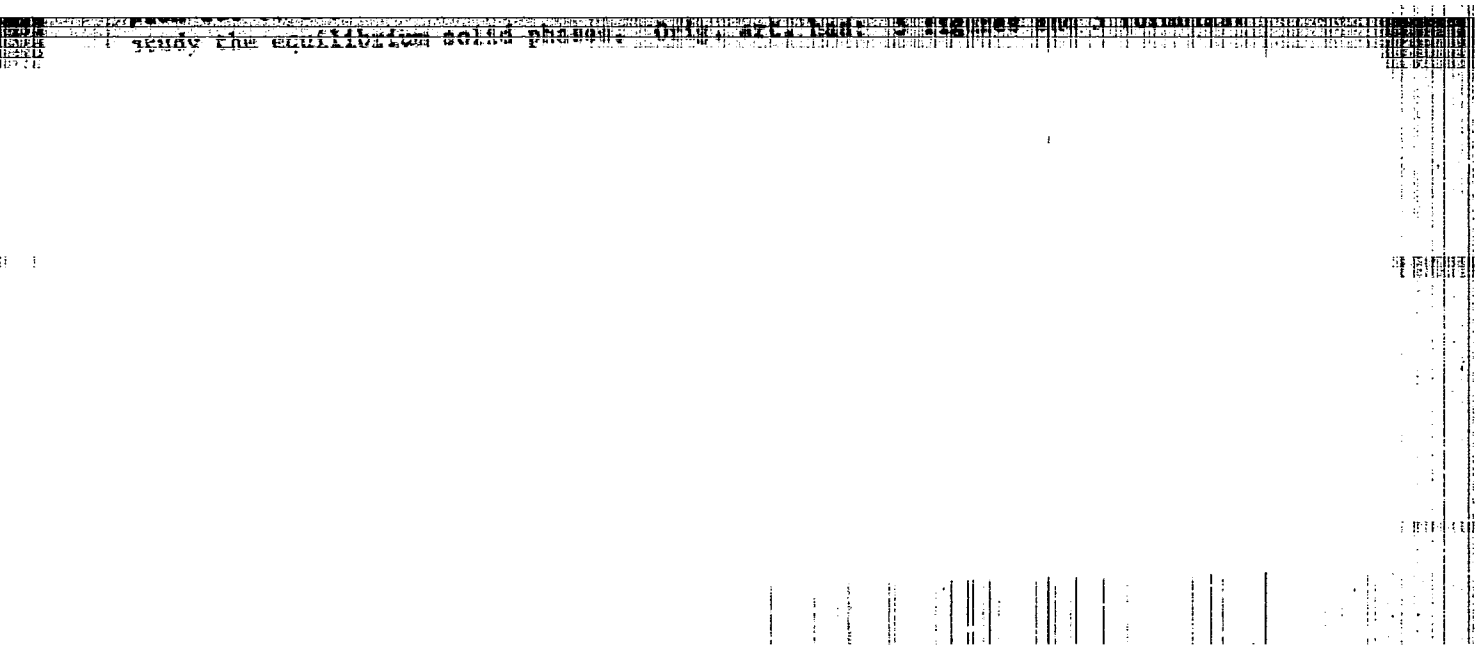

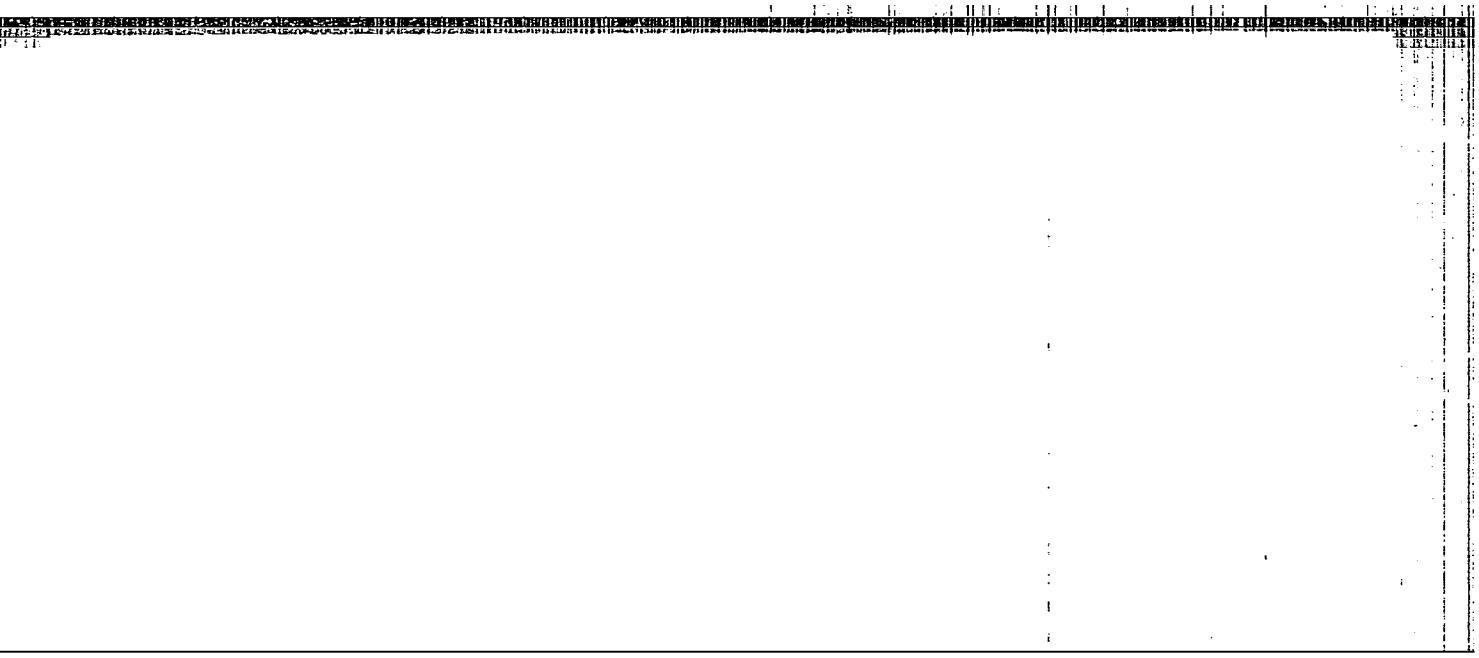

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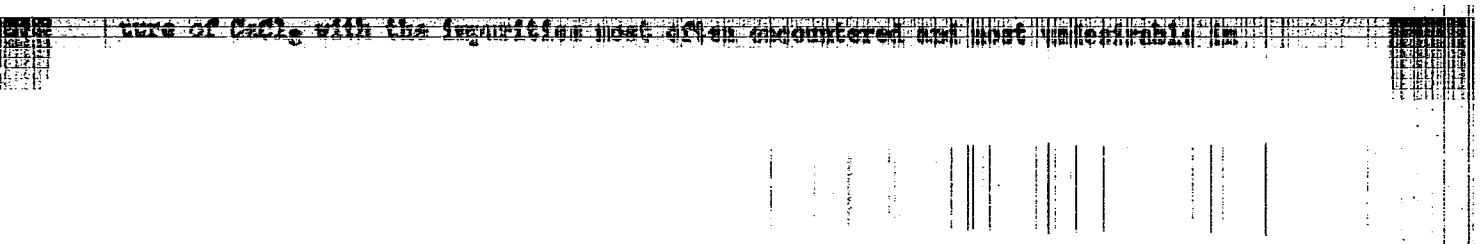

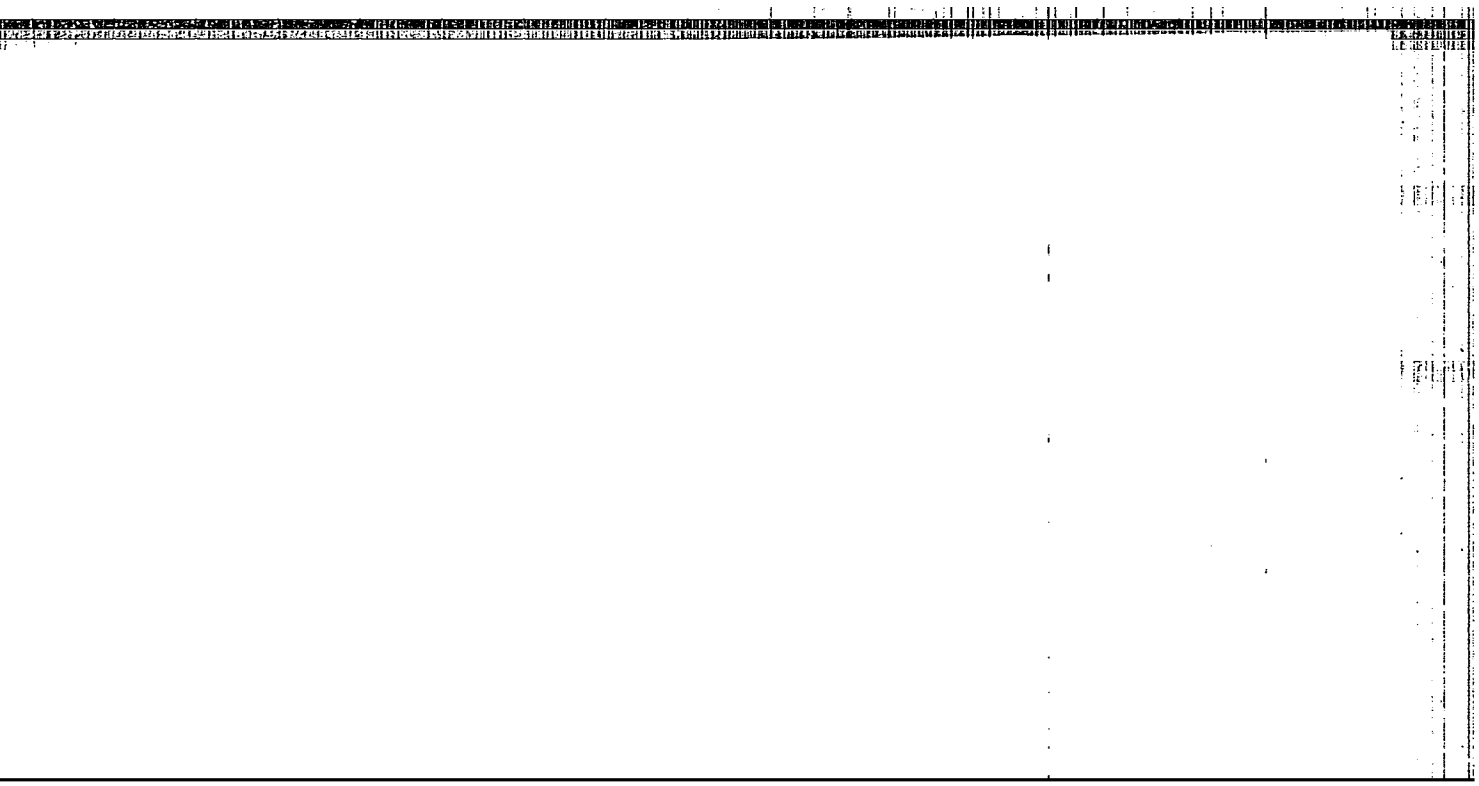

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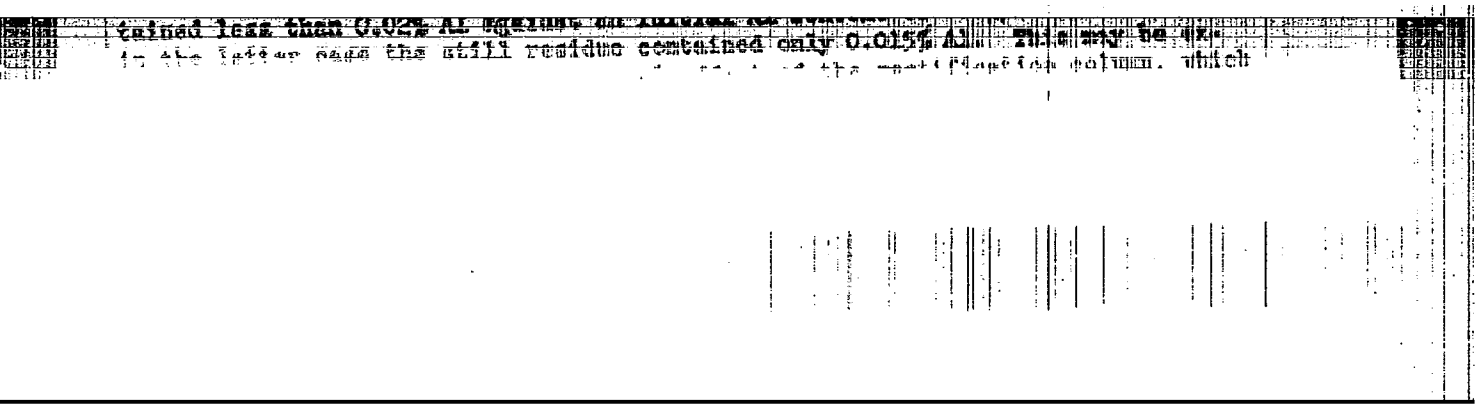

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ZELIKMAN, A.N.; IVANOVA, R.V.; KHASIYEVA, S.A.

Conditions of the stripping of a gallium primary concentrate with water at elevated temperature and pressures. Dokl. AN Azerb. SSR 20 no.12:15-20 '64. (MIRA 18:4)

1. Institut khimii AN AzerbSSR.

IVANOVA, R.V.; STEPUKHOVICH, A.D.

Initiated cracking of ethane. Zhur. fiz. khim. 36 no.1:222-224 Ja '62. (MIRA 16:8)

1. Saratovskiy gosudarstvennyy universitet im. Chernyshevskogo.
(Ethane) (Cracking process)