

PRONINA, M. V.

USSR/ Chemistry - Fractionation

Card 1/1 : Pub. 22 - 21/44

Authors : Lanin, V. A., and Pronina, M. V.

Title : Splitting of the middle neutralized tar-fraction of Baltic area shales into components

Periodical : Dok. AN SSSR 98/1, 83-85, Sep 1, 1954

Abstract : Splitting of middle, neutralized tar-fractions into components containing substances closely related to each other by their chemical properties facilitates the study of their chemical composition and characteristics. A chromatographic method, considered most reliable in carrying out such splitting, is described. Diagram showing the chromatographic splitting of middle, neutralized shale tar-fractions, is included. The group composition of Baltic area shale-tar fractions, and the properties of hydrocarbons derived during chromatographic splitting, are described. Two USSR references (1904 and 1950). Tables.

Institution : Acad. of Sc. USSR, Institute of Combustible Minerals

Presented by: Academician S. I. Mironov, April 17, 1954

USSR/Chemistry -- Coal

FD-2628

Card 1/1 : Pub. 41-14/21

Author : Knyazeva, M. S., Lanin, V. A., Murzayeva, A. I., and Pronina, M. V., Moscow

Title : Investigation of the chemical composition of liquid phase hydrogenate of Chermkhovsk coal tar

Periodical : Izv. AN SSR, Otd. Tekh. Nauk 4, 142-143, Apr 1955

Abstract : Describes test in which tar, obtained from the distillation of coal at temperatures of 450-500°, was subjected to hydrogenation at 460° and 300 atmospheres in the presence of an iron catalyst. Discusses test results and lists the properties of the hydrocarbon fractions.

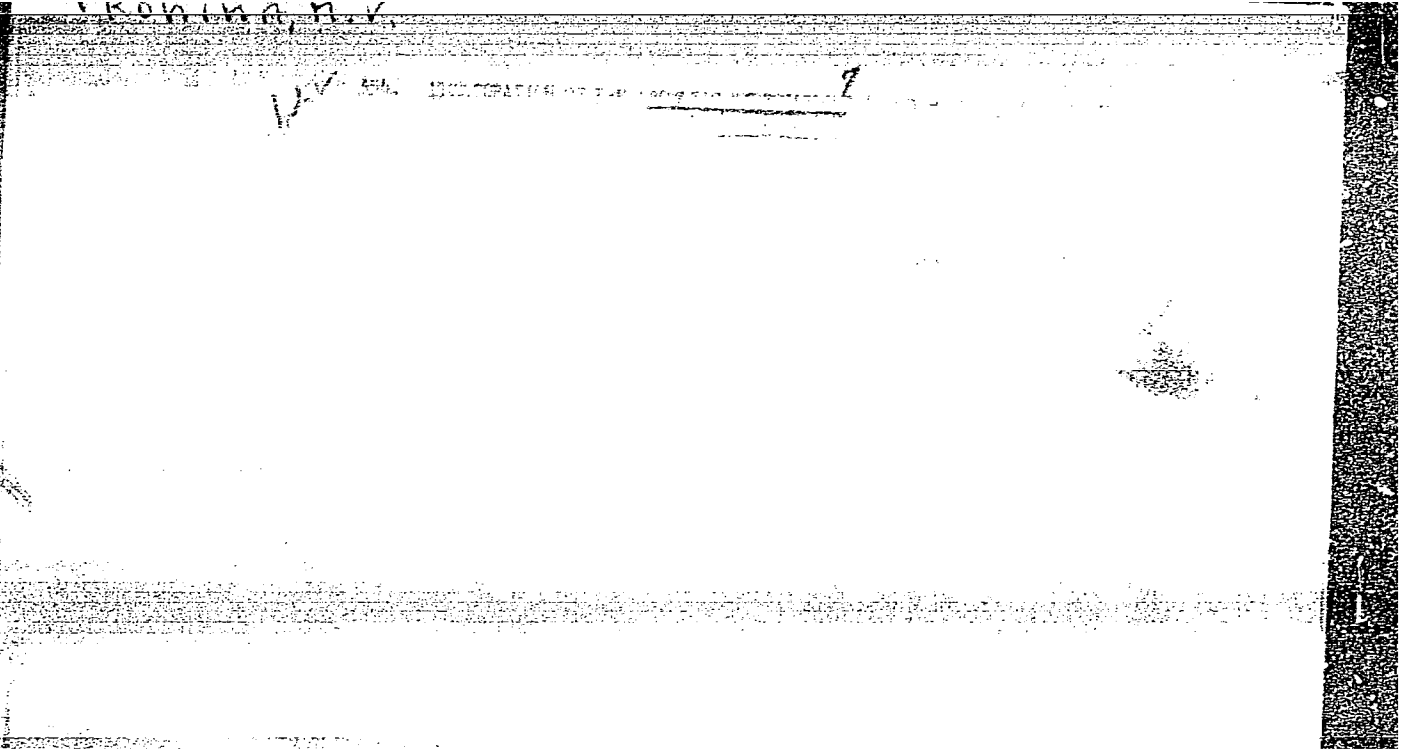
Institution :

Submitted : March 15, 1955

PRONINA, M. V.

LANIN, V. A.; PRONINA, M. V.; KARNAYEVA, A. V.

Analysis of the chemical composition of the hydrocarbon portion of
intermediate fractions of Baltic Sea region shale tars. Trudy IGI
no. 5:127-143 '55. (MIRA 8:11)
(Baltic Sea region--Tar) (Hydrocarbons)



PRONINA, M.V.
AUTHORS: Knyazeva, M.S., Lanin, V.A. and Pronina, M.V. ~~24-4-30/34~~
TITLE: Investigation of the chemical composition of heavy oil from Cheremkhov hard coal. (Issledovaniye khimicheskogo sostava tyazhelogo masla cheremkhovskogo kamennogo uglya).
PERIODICAL: "Izv. Ak. Nauk, Otd. Tekh. Nauk" (Bulletin of the Ac. Sc. Technical Sciences Section), 1957, No.4, pp.169-170 (USSR).
ABSTRACT: By distilling Cheremkhov hard coal in Lurgi furnaces at 830 to 840 C, 4.8% heavy oil was obtained which contained 78.5% neutral oil, 11.9% phenols, 1.3% bases, 8.1% asphaltene and 0.2% of water-soluble substances. The neutral oil consisted mainly of hydrocarbons and 0.69% O, 0.55% S and 0.46% N. There are 1 table, 2 references, 1 of which is Russian.
SUBMITTED: September 19, 1956.
AVAILABLE:
Card 1/1

GRIGOR'YEV, S.M. (Moskva); KNYAZEVA, M.S. (Moskva); PRONINA, M.V.
(Moskva)

Chemical properties of neutral sulfur compounds entering into
the composition of crude shale tar phenols. Izv.AN SSSR.Otd.
tekh.nauk.Met.i topl. no.3:144-146 My-Je '60.
(MIRA 13:6)

(Phenols--Analysis) (Sulfur compounds)

81772

S/181/60/002/02/09/033
B006/B067

24.2600

AUTHORS: Nasledov, D. N., Pronina, M. P., Smetannikova, Yu. S.

TITLE: Spectral Distribution of Photosensitivity in p-Type Indium Antimonide

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 2, pp. 239-241

TEXT: Several publications of various authors dealt with this subject, however, the results did not allow to draw conclusions as to the dependence of photosensitivity of InSb on the acceptor concentration. To investigate this dependence, the authors of the present paper measured the spectral dependence of photoconductivity and of the photomagnetic effect of a number of p-type samples on the acceptor concentration in the range $10^{13} - 10^{15} \text{ cm}^{-3}$. The single crystal samples had a size of $4 \cdot 1 \cdot 0.1 \text{ mm}^3$; after grinding, the surfaces were also treated with an etching agent. The infrared radiation was monochromatized with an 3MP-2 (ZMR-2) monochromator with NaCl crystal. All measurements were made at the temperatures of liquid nitrogen. The spectral distribution

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81772

Spectral Distribution of Photosensitivity
in p-Type Indium Antimonide

S/181/60/002/02/09/033
B006/B067

curves of photoconductivity and of the photomagnetic effect are shown in Fig. 1. It was found that the shape of the curves was independent of the acceptor concentration, and that the absolute sensitivity of pure samples was much higher. The width of the forbidden zone proved to be independent (within the accuracy of measurement) on purity (~ 0.22 eV). The absolute sensitivity in the conductivity maximum for samples with a concentration of 10^{13} cm^{-3} was 4000 v/w, the absolute sensitivity in the maximum of the photomagnetic effect for the same samples was only approximately 40 v/w. The photoconductivity of a number of samples was investigated in the temperature range between 78 and 205°K. Fig. 2 shows the curves recorded for a sample with $3 \cdot 10^{13}$ acceptor atoms/ cm^{-3} . The widths of the forbidden zone are given in a table for different temperatures. The following was obtained for the coefficient of the temperature shift: $\Delta E/\Delta T = -2.4 \cdot 10^{-4}$ eV/deg, which is in good agreement with other data from publications. As may be seen from Fig. 2, the maximum of spectral sensitivity becomes wider with increasing temperature, and at the temperature of dry ice a second maximum is observed on the edge of the

Card 2/3

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8¹⁷⁷²

Spectral Distribution of Photosensitivity in
p-Type Indium Antimonide

S/181/60/002/02/09/033
B006/B067

curve. The curves coincide in the short-wave part. There are 2 figures,
1 table, and 7 non-Soviet references.

ASSOCIATION: Fiziko-tehnicheskii institut AN SSSR Leningrad (Physico-
technical Institute of the AS USSR, Leningrad)

SUBMITTED: June 5, 1959

Card 3/3

X

PRONIN, Mikhail Vasil'yevich; SEMUSHKOVICH, Ye.A., retsenzent; OSIPOV, L.L.,
red.; VINOGRADOVA, N.M., red.izd-va; YERMAKOVA, T.T., -tekh.red.

[Repair of the 3D6 engines; experience of the Kiev Shipyard] Remont
dvigatelei 3D6; opyt raboty Kievskogo SSRZ imeni Stalina. Moskva,
Izd-vo "Rechnoi transport," 1959. 85 p. (MIRA 13:2)
(Marine diesel engines--Maintenance and repair)
(Kiev--Shipyards)

SOV/180-59-5-36/37

AUTHORS: Knyazeva, M.S., and Pronina, M.V. (Moscow)

TITLE: Sorbtion of Oxygen by Phenols \

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 5, pp 191-195 (USSR)

ABSTRACT: On the basis of a well established fact that there are large differences in the velocities of oxidation of mono-, di- and tri-phenols with weak oxidants, the authors studied the action of molecular oxygen on these phenols and their mixtures. It was expected that on the basis of differences in oxidising properties of various phenols a method of their analysis could be established. The investigation consisted of determining the rate of absorption of molecular oxygen by known individual phenols and their mixtures in alkaline solutions of various concentrations of alkali; under a constant pressure of 90 cm H₂O. The duration of each determination was 22 hours. The experimental results are shown in the form of graphs, relating absorbed volume of oxygen with time, in Figs 1-5. It was found that: 1) at alkali concentrations from 14 to 75% mono-phenols do not absorb oxygen; 2) hydroquinone and

Card
1/2

LANIN, V.A. [deceased]; PRONINA, M.V.; KNYAZEVA, M.S.; MURZAYEVA, A.I.

Investigating heavy tar from Chermkhovo coals. Trudy IGI
9:189-197 '59. (MIRA 13:1)
(Coal tar)

SOV/180-59-2-30/34

AUTHORS: Knyazeva, M.S., and Pronina, M.V. (Moscow)

TITLE: Group Composition of the Higher Phenol Fractions of Low-Temperature Tars (Grupповoy sostav vysshikh fraktsiy fenolov nizkotemperaturnykh degtey)

PERIODICAL: Izvestiya akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 2, pp 161-164 (USSR)

ABSTRACT: The authors give the results of their work on the determination of the group composition of phenols extracted from the 210 - 320 °C fractions of medium-temperature tar from Cheremkhovskiy coal out of shale phenols of the production petrol-paraffin fraction from the tunnel furnaces of the "Kiviyli" kombinat (combine) with a boiling temperature of 180 - 285 °C. The work has established that the group composition of higher phenols can be found with the aid of their acetylation, chromatography of the esters on alumina, saponification of the desorbed fraction with alcoholic alkali solution and analysis of the resulting phenols. Phenols obtained by saponification of esters soluble in petroleum ether were found to be alkyl phenols, those obtained by saponification of esters soluble in ethyl ether being a

Card 1/2

SOV/180-59-2-30/34

Group Composition of the Higher Phenol Fractions of Low-Temperature
Tars

mixture of dicyclic and diatomic phenols. By analysis of phenols obtained by saponification of the esters the content of the different types of phenols can be estimated more precisely and the presence of a neutral product present as an impurity detected. The

Card 2/2 experimental results are tabulated.
There are 6 tables and 2 Soviet references.

SUBMITTED: June 21, 1958

PRONINA, M. V.

USSR /Chemical Technology. Chemical Products
and Their Application

I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31839

Author : Knyazeva M.S., Lanin V.A., Pronina M.V.

Inst : Academy of Sciences USSR

Title : The Unsaturated Nature of Aromatic Hydrocarbons
of Low-Temperature Tars.

Orig Pub: Izv. AN SSSR, Otd. tekhn. n., 1956, No 4, 168

Abstract: On the basis of studies of the properties and
elemental composition of acids, obtained by oxida-
tion with an alkaline solution of permanganate,
at about 20°, and also under conditions of heat-
ing according to Bon (transliterated) the aromatic

Card 1/2

USSR /Chemical Technology. Chemical Products
and Their Application

I-15

Treatment of solid mineral fuels

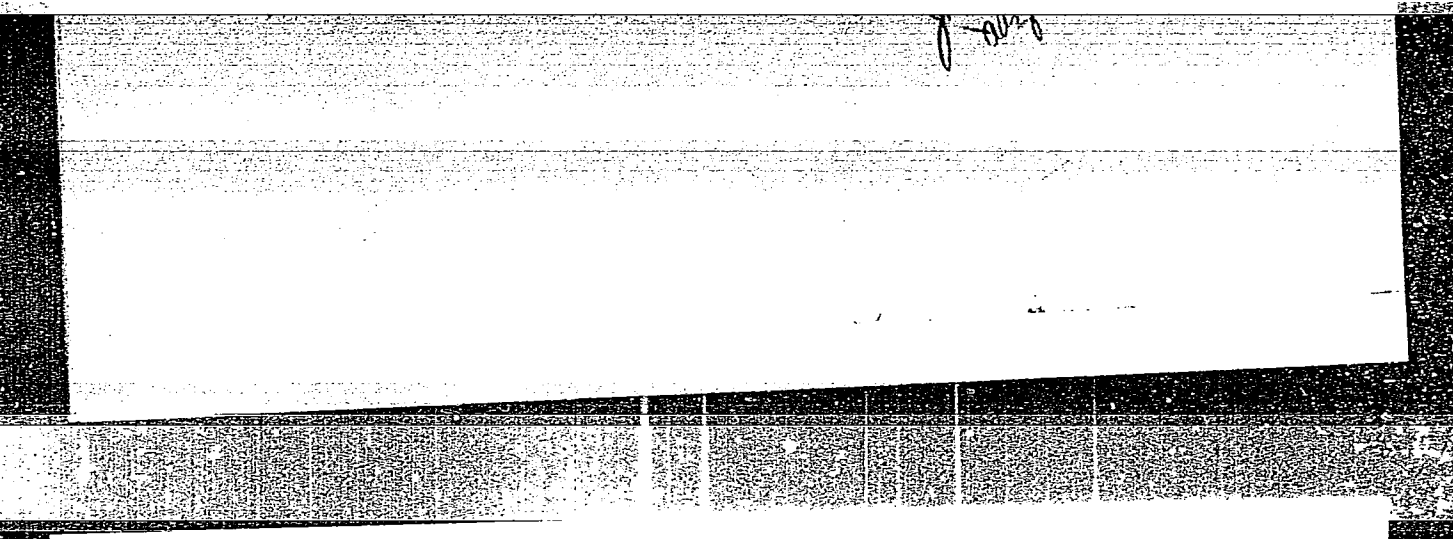
Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31839

hydrocarbons isolated from the hydrogenation products of Chermkhovskiy coal tar, the authors consider that the ethylenic bonds are in the side chains of aromatic hydrocarbons or in hydrocarbons of the indene type, or similar aromatic hydrocarbons.

Card 2/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001343230007-8



APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001343230007-8"

PRONINA, M.Z.

MIRONOV, K.Ye.; PRONINA, M.Z.; TOKAREVA, S.A.

Study of crystallization area of $H_2O_2 - NaClO_4 - H_2O$ and $H_2O_2 - LiClO_4 - H_2O$ systems. Zhur. neorg. khim. 3 no.2:508-516 F '58.
(MIRA 11:4)

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova
AN SSSR Laboratoriya perekisnykh soedineniy.
(Sodium salts) (Lithium salts)
(Phase rule and equilibrium)

(P. 1000, 1001)

A simple microcalorimeter for studies in nonaqueous solutions. K. P. Mikhchenko, M. Z. Pronina, and A. M. Sukhotin (Leningrad Technol. Inst., Leningrad). *Zhur. Priklad. Khim.* 27, 1003-6(1954).—The calorimeter consists of a small (20 ml.) test tube carrying the desired solvent and ampula for the test substances which can be directly crushed into solution. The test tube is placed within a narrow-neck Dewar, filled with CCl_4 and H_2O , and closed with a tight stopper carrying a measuring capillary, which can be used to detect temp. changes within the app. by the height of the liquid column in the capillary. The app. is immersed in the usual thermostatic bath for the expts. Accuracy of 0.5-1% is claimed. G. M. Kosolapoff

PRONINA, M. Z.

"Etude thermochimique des solutions des electrolytes. Communication I".
Mistchenko, K. P. et Pronina, M. Z. (p. 85)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1936, Volume 6, Nol.

PRONINA M.Z.

MISHCHENKO, K.P.; PRONINA, M.Z.; SUKHOTIN, A.M.

Simple microcalorimeter for the study of non-aqueous solutions.
Zhur.prikl.khim. 27 no.9:1003-1006 S '54. (MLBA 7:10)

1. Laboratoriya fizicheskoy khimii Leningradskogo tekhnologicheskogo instituta im. Lensovetu.
(Calorimeters and calorimetry) (solution (Chemistry))

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH ORDERS

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A-1

Thermochemistry of aqueous solutions of electrolytes. I. Heat of dissolution, and specific heat of aqueous potassium sulphate. K. P. MISCHTSCHENKO and M. Z. PRONINA (J. Gen. Chem. Russ., 1936, 6, 85-101).—Heats of dissolution of K_2SO_4 and sp. heats, have been determined at 25° for solutions over a wide range extending to saturation, and the integral heats of dilution are calc. Different types of integral heat of dissolution-concn. curves are discussed.

R. T.

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS	3RD AND 4TH ORDERS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

LIST AND CLASSIFICATION PROCESSED AND PROPERTIES NOT

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Thermochemical study of aqueous solutions of electro-lytes. I. Heat of solution and heat capacity of aqueous K₂SO₄ solutions. Classification of heats of solution of salts. K. P. Miwchenko and M. Z. Pronina. *J. Gen. Chem.* (U. S. S. R.) **6**, 85 (1936).—By an adaptation of the calorimetric method of Bose-Vreyskil (C. A. **26**, 1852), the integral heat of soln. (ΔH_m) of K₂SO₄ in water is measured at 25° for the concn. range $m = 0.0001$ to $m = 0.0007$. The curve for $\Delta H_m = \psi(m)$ at 25°, constructed from $m = 0$ ($\Delta H_m = 5077$ cal.) to $m = 0.010$ (satd. soln.; $\Delta H_m = 5445$ cal.) on the basis of exptl. data combined with heat-of-diln. data of Lange and Strveek (C. A. **25**, 1433) rises steeply from $m = 0$ to $m = 0.04$, passes through a broad max. in the range 0.04-0.08 m and then slopes down to the satn. concn. The curve for the integral heat of soln. $\Delta H_m = \psi(\sqrt{m})$ has an analogous form, passing through a min. in the range $\sqrt{m} = 0.25 - \sqrt{m} = 0.3$. The heat capacities of K₂SO₄ are measured at 25° in the concn. range $m = 0.0385 - 0.0500$ and of K₂SO₄.400 H₂O at 20°. For a concn. of K₂SO₄.400 H₂O the temp. coeff. of ΔH_m in the interval 20-25° is -79.2 cal./deg. Depending on the sign of the soln. effect, salts may be classified as exo-, endo-, and ex-endo salts, the last group comprising those salts in which the sign of ΔH_m changes with concn. Crit. analysis of all literature data on integral heats of soln. and heat capacities of K₂SO₄ solns. is made. Thirty-three references.

John Livak

COMP. ILLUMIN.

CLASSIFICATION

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ASHTSIA METALLURGICAL LITERATURE CLASSIFICATION

FROM: 17-0017*

CLASSIFICATION

COMP. ILLUMIN.

PROCESSES AND PROPERTIES INDEX

a-1

BC

Heat of imbibition of cellulose in water and in certain technical organic solvents at 25°. K. P. MISCITSCHENKO and M. Z. PRONINA (J. Appl. Chem. Russ., 1935, 8, 1164-1169).—The heat of imbibition of cellulose has been measured in an ice calorimeter for H₂O, HCO₂H, MeOH, and triacetin. Vaseline oil gives no heat effect, whilst the rate of evolution of heat in (—CH₂—OH)₂ and glycerol is too slow to permit measurement. R. T.

METALLURGICAL LITERATURE CLASSIFICATION

SYNONYMS

GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Pronina, M.Z.
AUTHORS: Mironov, K. Ye., Pronina, M. Z., Tokareva, S. A. 78-2-37/43

TITLE: An Investigation of Crystallization in the Systems
 $H_2O_2-NaClO_4-H_2O$ and $H_2O_2-LiClO_4-H_2O$
(Izucheniye poverkhnosti kristallizatsii sistem $H_2O_2-NaClO_4-H_2O$ i $H_2O_2-LiClO_4-H_2O$)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 2,
pp. 508-516 (USSR)

ABSTRACT: A complete investigation of the diagrams of $H_2O_2-NaClO_4-H_2O$ and $H_2O_2-LiClO_4-H_2O$ was performed. The concentration of H_2O_2 was obtained by repeated distillation in a vacuum with a purity of 99,8%. The formation of crystals occurs at deep undercooling (60-70°C lower than the equilibrium of the crystallization). In the system $H_2O_2-NaClO_4-H_2O$ the following phases occur: $H_2O_2 \cdot 2H_2O$, ice, $NaClO_4 \cdot H_2O$ and $NaClO_4$. In the system $H_2O_2-LiClO_4-H_2O$ the following phases are obtained at 0°C: ice, $LiClO_4 \cdot 3H_2O$, $LiClO_4 \cdot H_2O$ and $LiClO_4$.

Card 1/3

78-2-37/43

An Investigation of Crystallization in the Systems
 $H_2O_2-NaClO_4-H_2O$ and $H_2O_2-LiClO_4-H_2O$

In the liquidus of the binary system $H_2O_2-LiClO_4$, $LiClO_4$, and H_2O develop. In the ternary system $H_2O_2-LiClO_4-H_2O$ the following phases are produced: ice, H_2O_2 , $H_2O_2 \cdot 2H_2O$, $LiClO_4$, $LiClO_4 \cdot H_2O$ and $LiClO_4 \cdot 3H_2O$.

From these results follows that no peroxyhydrates of sodium- and lithium perchlorate are produced in the binary systems $H_2O_2-NaClO_4$ and $H_2O_2-LiClO_4$.

Under the influence of aqueous solutions of H_2O_2 upon the perchlorates of sodium and lithium the authors obtained hydrate forms of perchlorates. $LiClO_4$ hydrated especially intensively. There are 8 figures, 5 tables, and 9 references, 7 of which are Slavic.

ASSOCIATION:

Institute for General and Anorganic Chemistry imeni N. S. Kurnakov AS USSR (Institut obshchey i neorganicheskoy khimii imeni N. S. Kurnakova Akademii nauk SSSR)
Laboratory for Peroxy-Compounds (Laboratoriya perekisnykh soyedineniy)

SUBMITTED:
Card 2/3

February 19, 1957

An Investigation of Crystallization in the Systems
($\text{H}_2\text{O}_2\text{-NaClO}_4\text{-H}_2\text{O}$ and $\text{H}_2\text{O}_2\text{-LiClO}_4\text{-H}_2\text{O}$)

78-2-37/43

AVAILABLE: Library of Congress

Card 3/3

PRONINA, M. Z.

USSR .

~~Simple microcalorimeter for study of non-aqueous solutions.~~
K. P. Mishchenko, M. Z. Pronina, and A. M. Sukhotin (Zh. prikl. Khim., 1954, 27, 1003-1006).—Apparatus serving for measurement of heat effects of the order of 0.003 cal., with an error of 0.3-1%. is described. The measurements depend on displacement of water in a capillary, due to thermal expansion of CCl₄ surrounding a tube in which dissolution of a salt is proceeding. R. Tausson.

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2

PRONINA, M. Z.

5000

~~A simple microcalorimeter for studies in nonaqueous solutions. K. E. Mikhchenko, M. Z. Pronina, and A. M. Sukhotin. J. Appl. Chem. U.S.S.R. 27, 943-6 (1954) (Engl. translation).—See C.A. 49, 670h. B. M. R.~~

row
PM

SERGEYEV, P.V.; PLATONOV, G.F.; PANINA, M.I.; PRON'KIN, V.F.

Electric preheating of boilers for the refining of lead.
TSvet.met.29 no.6:31-34 Je '56. (MLRA 9:9)
(Lead--Electrometallurgy)

GENKEL', P.A.; PRONINA, N.D.

Extraction of protoplasts from dormant onion epidermis cells
[with summary in English]. Fiziol. rast. 10 no.2:124-129
Mr-Ap '63. (MIRA 16:5)

I. K.A. Timiriazev Institute of Plant Physiology, U.S.S.R.
Academy of Sciences, Moscow. (Dormancy in plants)
(Protoplasm)

PRONINA, N.D.

Drought resistance of the "Vostok" spring wheat. Biul. Glav. bot. sada
no.51:77-81 '63. (MIRA 17:2)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR.

GENKEL', P.A.; MOROZOVA, R.S.; PRONINA, N.D.

Ability for synthesis in drought-resisting tomato plants. Fiziol.
rast. 9 no.1:80-85 '62. (MIRA 15:3)

1. K.A.Timiriazev Institute of Plant Physiology, U.S.S.R. Academy
of Sciences, Moscow.
(Tomatoes--Varieties) (Plants, Effect of aridity on)

~~PRONKIN, N. H.~~

Surface smoothness and surface layer hardening in breaching of heat
resistant metals. Stan. i instr. 27 no. 8:32-34 Ap '56. (MLRA 9:9)
(Metal cutting)

ARSENIN, N.D.; BUDKOVSKIY, N.G.; BOLOTIN, A.A.; BONARTSEVA, N.N.;
BOGDANOVA, M.V.; GOLOVENKO, I.P.; IL'BITENKO, K.I.;
KIRPONOS, Ye.M.; KARAPETYAN, K.G.; KIRSANOVA, I.A.;
KUZNETSOV, A.L.; KORESHNIKOVA, H.F.; KORZHEVSKAYA, T.I.;
NEMIROV, N.G.; NIKONOVA, T.K.; NAZAROV, V.N.; PISAREVA, I.A.;
POPOV, S.A.; PRONINA, N.A.; PAKHMAN, M.Ye.; REYPOLSKIY, S.N.;
ROGACHEV, Yu.N.; SOSNINA, V.D.; STARSHINOV, B.M.; KHUDYAKOV,
B.Ya.; SHELEKASOV, V.I.; PARKOV, V.P., podpolkovnik, red.;
MURAV'YEV, A.I., polkovnik, red.; CHAPAYEVA, R.I., tekhn. red.

[Relics of military glory] Relikvii boevoi slavy. Moskva,
Voenizdat, 1962. 166 p. (MIRA 15:8)

1. Nauchnyye sotrudniki Tsentral'nogo muzeya Sovetskoy Armii
(for all except Murav'yev, Chapayeva).
(Military museums)

GENKEL', P.A.; PRONINA, H.D.

Ability of plant cells to endure dehydration in the dormant state.
Fiziol. rast. 11 no.4:667-673 31-Ag '64.

(MIRA 17:11)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

FRONINA, N. I.

"Cellulose Microbacteria in Paper Production." Cand Biol Sci, Inst
of Microbiology, Acad Sci USSR, Moscow, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

PRONINA, N.I.

Description of some new species and varieties of cellulose-decomposing myxobacteria. Mikrobiologiya 31 no.3:470-477 My-Je '62. (MIRA 15:12)

1. Permskiy gosudarstvennyy sel'skokhozyaystvennyy institut imeni D.N.Pryanishnikova.
(BACTERIA, CELLULOSE-DECOMPOSING)

PRONINA, N. N.

"Hydremia Reaction to Water Pressure", *Arkhiv. Patol.*, 10, No. 2, 1943.

Chair Pathological Physiology, North Osetin Med. Inst, Dzauzhikau, -1947-.

PRONINA, N.N.

PRONINA, N.N.; AL'TMAN, Ya.A.

Reflex actions from the stomach on diuresis. *Biul. eksp. biol.* 1
med. 37 no.6:11-15 J3 '54. (MIRA 7:8)

1. Iz kafedry normal'noy fiziologii (zav. dotsent N.N.Pronina)
Severo-Osetinskogo meditsinskogo instituta.

(STOMACH, physiology,

*regulation of diuresis in dogs, reflex mechanism)

(DIURESIS, physiology,

regulation by stomach reflexes in dogs)

PRONINA, N.N.; AL'TMAN, Ya.A.

Mechanism of interoceptive effects from the stomach on diuresis.
Biol. eksp. biol. i med. 38 no.11:10-13 N '54. (MLRA 8:1)

1. Iz kafedry normal'noy fiziologii (zav. dotsent N.N.Pronina)
Severo-osetinskogo instituta, Ordzhonikidze.
(STOMACH, physiology,
eff. of stimulation on diuresis in dogs)
(DIURESIS, physiology,
eff. of stomach stimulation in dogs)

PRONINA, N. N.
USSR/Medicine - Physiology

FD-2551

Card 1/1 Pub. 17-4/23

Author : Pronina, N. N.

Title : On the mechanism of the change in diuresis in water ingestion

Periodical : Byul. eksp. biol. i med. 5, 12-17, May 1955

Abstract : Investigated some aspects of the regulation of water exchange which promote the excretion of administered water. Studies the change in the basic processes of urine formation in water ingestion under the usual conditions and after preparatory intravenous injection of novocaine. Both experiments were repeated on dogs after hypophysectomy. Graphs; tables. Two references, both USSR and since 1940.

Institution : Chair of Normal Physiology (Head - Dotsent N. N. Pronina) of the North Osetinskiy Medical Institute

Submitted : May 17, 1954 by V. N. Chernigovskiy, Member of the Academy of Medical Sciences

USSR/Medicine - Physiology

PRONINA, N.N.

FD-3378

Card 1/1

Pub. 17 - 2/22

Author : Pronina, N. N., Rizhinashvili, R. S., Tel'peneva, L. P.

Title : Problem of the regulation of hydrophylism of tissues

Periodical : Byul. eksp. biol. i med. 8, 6-9, Aug 1955

Abstract : Little is known of hydrophylism of tissues except in relation to certain diseases. Author experimented on dogs with stomach fistula. Two hours before the investigation a part of the dogs' skin near the spine was shaved and 0.2 ml of physiological solution injected subcutaneously. Resorption of the blister was then observed. The article includes tables showing comparative speed of resorption in normal dogs, after simulated drinks (opened fistula) during novocain anesthesia on one side and none on the other, and after removal of the hypophysis. The latter eliminated reflex activity of the receptors of the gastro-intestinal tract. Authors concluded that hydrophylism of tissues is subject to neuro-humoral regulation and that the hypophysis is the link in the chain of reflex activities. 9 references, 8 USSR, 3 since 1940, tables.

Institution : Chair of Normal Physiology (Head: Docent N. N. Pronina) Severo-Osetinskiy Medical Institute, Dzaudzhikau

Submitted : 22 Aug. 1954

PRONINA, N.N.; GABANOVA, I.Kh.; MEHITAROVA, G.B.

Extrarenal effect of antidiuretic hormone. Probl. endok. i
gorm. 10 no.5:86-89 S-O '64. (MIRA 12:6)

1. Kafedra normal'noy fiziologii (zav. - prof. N.N. Pronina)
Severo-Osetinskogo meditsinskogo instituta, Ordzhonikidze.

PRONINA, N. N. Doc Med Sci -- (diss) "On the problem of the mechanism of the regulation of water exchange." Len, 1957. ^(with illustrations) 37 pp (Inst of Physiology ~~Im~~ I. P. Pavlov, Acad Sci USSR), 200 copies (KL, 45-57, 98)

PRONINA, N. N.

Dissertations. Dept. of Biological Sciences, Jul-Dec 1957.
Vest. Ak Nauk SSSR, 1958, No. 4, pp. 120-22.

At the Inst. of Physiology im. I. P. Pavlov the following dissertations were defended:

for the degree of Doctor of Biological Sciences:

TROSHIKHIN, V. A. - Development of the Conditioned Activity of the Reflector in the Early Postnatal Period in Dogs.

KHARCHENKO, P. D. - Delayed Conditioned Reflexes/ Analysis of Retardation.

for the degree of Doctor of Medical Sciences:

PRONINA, N. N. - On the Problem of the Control Mechanism of the Water Metabolism.

for the degree of Cand. of Medical Sciences:

FAYZIYEV, S. - Unconditioned and Naturally Conditioned Nutritive Sputum Reflex in Sheep of the Romanov- and Karakul Breed.

CHUDEKOVSKIY, L. A. - On the Trophic Innervation of the Ovaries and the Uterus of the Rabbit.

PRONIN, O.V. (Leningrad, Vasil'yevskiy ostrov, Malyy pr., d.33, kv.7)

Topoanatomical relationships between the pancreas and the large
vessels. Vest.khir. 83 no.8:64-69 Ag '59. (MIRA 13:1)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (nach. -
prof. K.A. Grigorovich) Voenno-morskoy meditsinskoy akademii.
(PANCREAS anat. & histol.)

E 11162-66 EWT(1)/T LJP(c) GM

ACC NR: AP6000361

SOURCE CODE: UR/0286/65/000/021/0056/0057

AUTHORS: Gal'pern, D. Yu.; Pronina, O. V.

ORG: none

TITLE: Objective for geodetic telescopes, Class 42, No. 176092

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 56-57

TOPIC TAGS: optic lens, telescope lens, geodetic instrument

ABSTRACT: This Author Certificate presents an objective for geodetic telescopes with internal focusing. The device consists of a positive four-lens component and a simple negative focusing lens (see Fig. 1). To correct spherochromatic aberration, the positive component is in the form of two individual lenses separated by a distance of 0.1--0.2 of the focal length of the positive component and a double cemented meniscus lens with a linear magnification of 0.4--0.8.

Card 1/2

UDC: 681.41:535.824.212:528.5

L 11162-66

ACC NR: AP6000361

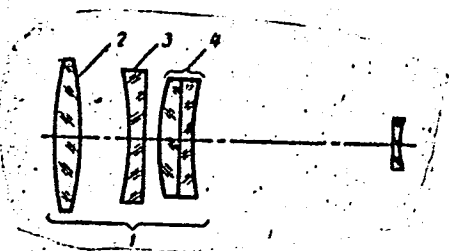


Fig. 1. 1 - Positive component; 2 and 3 - individual lenses; 4 - double cemented meniscus lens.

Orig. art. has: 1 diagram.

SUB CODE: 17/ SUBM DATE: 07Mar64

Card 2/2

TALANTOV, V.V., assistant; PRONINA, P., student

Myocardial infarctions with an atypical onset. Kaz.med.zhur.
no.4:57-59 J1-Ag '62. (MIRA 15:8)

1. Kafedra gospiatal'noy terapii No.1 (zav. - prof. A.G.Teregulov)
Kazanskogo meditsinskogo instituta.
(HEART--INFARCTION)

PRONIN, Pavel Ivanovich; POMINOV, Gennadiy Nikitich; LIVSHITS, Ya., red.;
SAVCHENKO, Ye.V., tekhn.red.

[Fifteen years of People's Democratic Czechoslovakia] 15 let
Narodno-Demokraticheskoi Chekhslovakii. Moskva, Izd-vo "Znanie,"
1960. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniu poli-
ticheskikh i nauchnykh znani. Ser.7, Mezhdunarodnaia, no.9).
(MIRA 13:4)

(Czechoslovakia--Economic conditions)
(Czechoslovakia--Politics and government)

ПРОТНА, М.З.

21(0),24(0) PHASE I BOOK EXPLOITATION SOV/32

Академия наук СССР. Физический институт
 Исследования по экспериментальной и теоретической физике; [сборник] (Studies on Experimental and Theoretical Physics; Collection of Articles) Moscow, Izd-vo AN SSSR, 1959. 304 p. Errata slip inserted. 2,300 copies printed.

Ed.: I. L. Fabelinskii, Doctor of Physical and Mathematical Sciences; Eds. of Publishing House: I. Chernyak and V. O. Bergaut, Tech. Eds.: M. V. Rabinovich, Commission for Publishing the Collection (Chitaynaya) Akademicheskaya; M. A. Leontovich, Academician; P. A. Bazhulin, Doctor of Physical and Mathematical Sciences; S. L. Mandel'shtam, Doctor of Physical and Mathematical Sciences; I. L. Fabelinskii, Doctor of Physical and Mathematical Sciences; P. S. Landsberg-Baryshanskaya, Candidate of Physical and Mathematical Sciences; and G. P. Mokulevich (Secretary), Candidate of Physical and Mathematical Sciences.

PURPOSE: This book is intended for physicists and researchers engaged in the study of electromagnetic radiations and their role in investigating the structure and composition of materials.
 COVERAGE: The collection contains 30 articles which review investigations in spectroscopy, optics, molecular physics of semiconductor physics, nuclear physics, and the interaction of ionizing radiation with matter. The author, Professor and Head of the Department of Optics of the Division of Physical Technology at Moscow University, and reviews his work in Rayleigh scattering, combat gases, spectral analysis of metals, etc. No personalities are mentioned. References accompany each article.

Морозов, В. С. Kinetics of the Action of Light Gases on the Intensity of Absorption Spectra of Vapors of Aromatic Compounds	149
Образцов, И. В. and Ye. S. Tikhov. The Resistance of Mica to Rupture Along the Cleavage Plane	159
Рытов, С. М. The Correlation Theory of Rayleigh Light Scattering	175
Собел'ман, И. И. The Quantum Mechanics Theory of the Intensity of Combined-Scattering Lines	192
Сувчинский, М. М. Dependency of the Width of Combined-Scattering Lines of the Anisotropy of a Derived Polarizability Tensor	211
Тамм, И. Ye. Present State of the Theory of Weak Interactions of Elementary Particles	218
Тумерман, Л. А. and B. A. Chayanov. The Illumination of Dielectrics in High Voltage a-c Electric Fields	231
Укхолин, С. А. and M. Z. Protina. Investigation of Combined Light-Scattering Spectra in H ₂ O ₂ -H ₂ O and H ₂ O ₂ -Dioxane Solutions	244
Фабелинский, И. Л. The Thin Structure of Lines of Rayleigh Light-Scattering in Gases	254
Френк, Я. М. The Role of the Group Speed of Light in Irradiation in a Refractive Medium	261
Фриш, С. Е. and I. P. Bogdanova. Excitation of Spectral Lines in the Negative Illumination of a Gas Discharge	275
Фришберг, А. А. and V. V. Medlar. The Possibility of Increasing the Sensitivity of the Spectral Determination of Some Elements	287
Шполлак, К. V. The Interpretation of Spectra of Aromatic Hydrocarbons in Frozen Crystalline Solutions	296

PRONINA, R.F., prepodavatel'; BEGUN, A.I., prepodavatel'; VOLKOVA, N.S.,
prepodavatel'; MOSHCHUK, Ye.I., prepodavatel'; FUKS, Ye.A.,
prepodavatel'; KHOLCHEVA, A.S., prepodavatel'; CHERNUKHIN, A.Ye.,
red.; ZHAVORONKOV, I.I., red.; KHITROV, P.A., tekhn.red.

[English-Russian railroad dictionary] Anglo-russkii zhelezno-
doroznyi slovar'. Pod red. A.E. Chernukhina. Moskva, Gos. transp.
zhel-dor. izd-vo, 1958. 662 p. (MIRA 12:2)

1. Kafedra inostrannykh yazykov Moskovskogo instituta inzhenerov zhelezno-
dorozhnogo transporta (for Pronina, Begun, Volkova, Moshchuk, Fuks,
Kholcheva).

(English language--Dictionaries--Russian)
(Railroads--Dictionaries)

SKULACHEV, V.P.; DZHINED, Kh.; BRAYNES, A.S.; Primalni uchastiye:
SIVKOVA, T.; PROHINA, T.; YEVTODIYENKO, Yu.; MUKHIN, V.; GOL'DMAN, A.

Oxidation and phosphorylation in mitochondria fo the embryonic
muscle. Biokhimiia 29 no.4:653-661 J1-Ag '64.

(MIRA 18:6)

1. Kafedra biokhimii zhitvnykh Moskovskogo gosudarstvennogo
universiteta imeni Lomonosova.

PRONINA, T.A., student VI kursa

Results of treating cancer of the ovaries according to materials
of the gynecological section of the City Hospital No.1. Cher.
nauch. trud. Rost. gos. med. inst. no.21:77-80 '63.

(MIRA 17:11)

1. Iz ginekologicheskogo otdeleniya (zav. - K.I.Dontsova) Gorodskoy
bol'nitsy No.1 Rostova-na-Donu. Nauchnyy rukovoditel' - prof. P.Ya.
Lel'chuk.

EPF(n)-2/EWP(q)/EWT(m)/BDS AFFTC/ASD/APGC/SSD Pu-4/
 L 12861-63 Pq-4 WH/DM
 ACCESSION NR: AP3003975 S/0089/63/015/001/0048/0052 74
 73

AUTHOR: Bochvar, I. A.; Vasil'yeva, A. A.; Keirim-Markus, I. B.; Prosina, T. I;
Sy*ritskaya, Z. M.; Yakubik, V. V.

TITLE: Ionizing radiation dosimeters based on measurement of thermoluminescence of aluminophosphate glasses (IKS dosimeters)

SOURCE: Atomnaya energiya, v. 15, no. 1, 1963, 48-52

TOPIC TAGS: ionization dosimeter, aluminophosphate glass, Beta-radiation measurement, Gamma-radiation measurement, slow-neutron measurement, synchro-cyclotron, high-energy proton, IKS dosimeter

ABSTRACT: Ionization dosimeters made of aluminophosphate-covered glass were developed for measuring β - and γ -radiation, slow neutrons, and high-energy charged particles in the range from 0.02 to $(1-2) \cdot 10^8$ rads. The dosimeters operate on the following principle: the energy of ionizing radiation absorbed by the glass is stored in it in the form of light sum of the luminescence, which is emitted during heating of the glass and can then be recorded. The dosimeters are capable of accumulating and storing information over long periods, e.g., up to a month at 150C. While the dosimeter glass is not

Card 1/2

L 12861-63

ACCESSION NR: AP3003975

excited by daylight, an exposure of 40 days results in de-excitation of the stored light by 26-38%. The effective atomic number for the optimum composition of glasses is 11-13. A filter consisting of 0.6 mm Sn + 0.5 mm Al allows for compensation of the energy dependence at 40 Kev and above with an error of $\pm 20\%$. The dosimeter was tested using the synchrocyclotron of the Ob'yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research) with proton fluxes in the energy range of 100 to 500 Mev showed that the sensitivity of the detector glass to the tissue dose of high-energy protons coincides within 10% with the sensitivity of glass to γ -rays, indicating that the detector can be used for mixed p- and γ -radiation. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 19May62

DATE ACQ: 08Aug63

ENCL: 00

SUB CODE: NS

NO REF SOV: 002

OTHER: 007

Card 2/2

PRONINA, T. V.

Carboniferous foraminifers of the Berezovo series in the
eastern slope of the Southern Ural Mountains. Trudy Inst. geol.
UFAN SSSR no.65:119-176 '64. (MIRA 17:7)

PRONINA, T.V.

Foraminifers and some Silurian micro-organisms of the Ufa
amphitheater which accompany them. Paleont. zhur. no.4:
3-13 '63. (MIRA 17:1)

1. Ural'skoye geologicheskoye upravleniye.

LIPINA, O.A.; PRONINA, T.V.

New Upper Frasnian subgenus *Tournayella* of the Ural. Paleont.
zhur. no.3:125-126 '64. (MIRA 18:2,

1. Geologicheskii institut AN SSSR i Ural'skoye geologicheskoye
upravleniye.

1. PRONINA, T. V. and BASHMAKOVA, N. V.
2. USSR (600)
4. Alapayevsk District - Geology
7. Geological map of the Urals (Scale 1:50,000, sheet 0-41-76-G) (Alapayevsk region).
Abstract Izv.Glav.upr. geol.fon. No. 2, 1947.

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

PRONINA, V.P.

Moskva sotsialisticheskaiia; pod red. I. A. Grakina, V. P. PRONINA i T.A. Selivanova.
(Moskva), Moskovskii rabochii, 1940. 116, (4), p. DLC: DK601.R6

SO: LC, Soviet Geography, Part II, 1951/Unclassified

PROHINA, Ye.A., Cand Bio Sci--(diss) "Effect of streptomycin, PASA,
and tibong ^{Ufa} on ~~the~~ tuberculosis bacilli in ~~the~~ tissue cultures." Sverd-
lovsk, 1958. 11 pp (Sverdlovsk State Med Inst), 200 copies
(KL,30-58,125)

- 573 -

USSR/Pharmacology. Toxicology. Antitubercular Drugs U-8

Abstr Jour : Ref Zhur-Biol., No 7, 1958, 33079

Author : Yegorova K. T., Neverov G. A. Pronina Ye. A.

Inst : Not given

Title : Reaction of the Organism to the Administration of Antitubercular Chemotherapeutical Compounds.

Orig Pub : V sb.: Klinika i terapiya tuberkul eza i organizatsiya bor'by s nim. Sverdlovsk, 1957, 84-86

Abstract : Cats were administered phtivazid (100 mg/kg) and larusan (0.3 g to 2.5-3 kg) by mouth, and saluzid and preparation 486 (150 mg of a 5% solution) intravenously. Following the administration and during the first 30 to 60 minutes leukopenia was observed; during the next 6 to 8 hours leukocytosis (to 200% of the initial magnitude) and a rise in the activity of carbon anhydrization were

Card 1/2

USSR/Pharmacology. Toxicology. Antitubercular Drugs U-8

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33079

Abstract : noted. (From all preparations with the exception of phtivazid). Hypotonia of brief duration was noted after the administration of saluzid. A direct and prolonged (to 10 minutes) effect of saluzid and preparation 486 on the chemoreceptors of a section of the duodenum failed to change the character of the reactions on the part of the blood pressure induced by the administration of nicotine, acetylcholine, and carbonic acid.

Card 2/2

MOSOLOV, L.P.; DOBROKHOTOV, B.P.; FRONINA, Ye. A.

Survey of the abundance and epizootic state of murine rodents,
including the water rat, in the R.S.F.S.R. in 1962 and the
prognosis for 1963. Biul. MOIP. Otd. biol. 68 3:10-13
My-Je '63. (MIRA 17:8)

VOLODINA, M.N.; MISHINA, V.G.; PRONINA, Ye.A.; TEREENT'YEV, A.P.

Synthesis and properties of pyrrolidines and pyrroles. Part
12: 5-Phenylcyclopentane-2,3-pyrroles and 5-phenylcyclohexane-
2,3-pyrroles. Zhur. ob. khim. 33 no.10:3295-3297 0 '63.
(MIRA 16:11)

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

PRONINA, Ye.A.

Effect of anti-tuberculous chemotherapeutics on tissue culture. Probl.
tuberk., Moskva no.5:54-58 Sept-Oct 1951. (CLML 21:2)

1. Of Sverdlovsk Scientific-Research Tuberculosis Institute (Director
— Candidate Medical Sciences I. A. Shaklein).

PRONINA, YE. A.

Jun 53

USSR/Medicine - Tularemia

"Clinico-Epidemiological Characteristics of Tularemia in a Focus of the Murine (Southern Type," N. G. Ol'suf'yev, Ye. A. Pronina, R. A. Savel'yeva, Div of Parasitol and Med Zool, Inst of Epidemiol and Microbiol im N. F. Gamaleya, Acad Med Sci USSR, Chair of Infectious Diseases, Central Inst for Advanced Training of Physicians

Zhur Mikro, Epid, 1 Immun, No 6, pp 53-56

Human tularemia (principally among kol'khoz workers) was caused by a great increase in the number of field mice and domestic mice,

267T23

accompanied by an epizootic outbreak of tularemia among these rodents in fall and winter. The human disease had a strictly seasonal character (Nov-Feb with a max in Dec-Jan). Infection was mostly by inhalation: 92.3% of the patients suffered from a pulmonary form of the disease. The balance was alimentary (5.1%), cutaneous (2.2%), and ocular (0.4%) infection.

267T23

PRONINA, Ye.M. (Moskva)

Fatigue strength of joints in thin-sheet, heat-resistant alloys.
Avtom. svar. 17 no.8:36-41 Ag '64.

(MIRA 17:11)

PHASE I BOOK EXPLOITATION SOV/3791

Soveshchaniye po obrabotke zharoprochnykh splavov, Moscow, 1957.

Obrabotka zharoprochnykh splavov: [sbornik dokladov...] (Treatment of Heat-Resistant Alloys; Collection of Papers Read at the Conference), Moscow, Izd-vo AN SSSR, 1960. 231 p. 3,500 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR, Institut mashinovedeniya. Komisiiya po tekhnologii mashinostroyeniya; Akademiya nauk SSSR, Institut metallurgii im. A.A. Baykova. Nauchnyy sovet po problemam zharoprochnykh splavov.

Resp. Ed.: V.I. Pichukhin, Academician; Ed. of Publishing House: Y.A. Kotov; Tech. Ed.: V.V. Kruglik.

PURPOSE: This book is intended for metallurgists.

COVERAGE: The book consists of thirty papers read at the Conference on the Treatment of Heat-Resistant Alloys held in Moscow by the Committee on Machine-Building Technology, Institute of the Science of Machines, Academy of Sciences USSR in 1957. The papers deal with four principal areas of alloy metallurgy, welding, forming, machining, and welding. The alloys (together with refractory carbides, borides, nitrides, and oxides) are discussed especially in connection with their application in the manufacture of turbine blades, heat engines, boilers, reactors, containers for high-temperature media, dies, casting molds, and metal-cutting tools. No personalities are mentioned. Some of the articles are accompanied by references, mainly Soviet.

Pronina, Ye.M. Gas-Shielded Arc Welding of Heat-Resistant Alloys 124
Mikolayev, G.A., and A.V. Mordvinetsaya. Welding of Martensitic Steel 131

Chuloshnikov, P.L.. Resistance Welding of Titanium 138

Fankin, A.V. Two Examples of the Machining of Wear- and Heat-Resistant Alloys 145

Moznikov, N.I. Machinability of Heat-Resistant Steels and Alloys in Turning, Milling, and Drilling with Carbide Tools 154

Raznikoy, A.N. Temperature Field in the Work and in the Tool in Machining Heat-Resistant Steels and Alloys 162

Kurochkin, A.S. Investigation of Some Machinability Factors of KUDY Heat-Resistant Alloy 175-4

Kravets, A.T. Electric-Pulse Machining of Heat-Resistant Alloys 182

Zharikov, I.D. High-Speed Milling of Heat-Resistant Materials With Plain Spiral Milling Cutters 190

DUTYISKI, E.P. Increasing Productivity in the Machining of Heat-Resistant Steels and Alloys With Face Milling Cutters 195

Shifrin, A.Sh. Examples of Foreign Practice in the Machining of "STAINLESS" and Heat-Resistant Steels and Alloys 202

Vasil'yev, D.T. Tool Life in the Machining of High-Strength Metals 207

Guryevich, Ya.L. Machinability of Stainless Steels in Turning, Milling, and Reaming Operations 214

Norozenko, O.V. Cutting of Threads on Parts Made of Heat-Resistant Materials and Titanium Alloys 222

Golubav, S.A. Some Questions Concerning the Machinability of Heat-Resistant Alloys 226-5

~~L 7052-65~~ ~~EWP(m)/EWP(k)/EWP(q)/EWP(b)~~ ~~Pf-4/Pad~~ ~~ASD(m)-3~~ ~~VJW/JD/ET~~

ACCESSION NR: AP4043204 HW 8/0125/64/000/008/0036/0041

AUTHOR: Pronina, Ye. M. (Moscow)

TITLE: Fatigue strength of welded joints in heat-resistant alloy sheets B

SOURCE: Avtomaticheskaya svarka, no. 8, 1964, 36-41

TOPIC TAGS: heat resistant alloy, ²⁷nickel base alloy, chromium nickel austenitic steel, nickel alloy weld property, austenitic steel weld property, weld fatigue strength

ABSTRACT: The author has studied the fatigue strength of welded joints in sheets (1.5 mm thick) of EI703, VZh98, EI696A, and EI437B alloys.

L 7052-65

ACCESSION NR: AP4043204

strengthening of grain boundaries by precipitation of dispersed phase and partial homogenization of weld structure. Thus design strength of welded joints of nickel-base alloys and high-alloy chromium-nickel steels operating at 600C can be considered the same as that of base material. Orig. art. has: 5 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 12Aug64

ATD PRESS: 3104

ENCL: 00

SUB CODE: HM

NO REF SOV: 007

OTHER: 001

Card

2/2

USSR/General Problems of Pathology - Allergy.

U

Abs Jour : Ref Zhur Biol., No 1, 1959, 4073

Author : ^{Ye.} Pronina, Y.P.

Inst : Omsk Veterinary Institute

Title : The Effect of Anaphylaxis upon the Secretory Activity of the Stomach.

Orig Pub : Tr. Omskogo vet. in-ta, 1957, 15, 65-72

Abstract : 8 dogs with an isolated stomach of Pavlov or Heidenhain and with a Basov fistula were sensitized with horse serum. Gastric secretion of mucus upon an empty stomach was studied at the time of the anaphylactic shock (AS). Excretion of mucus ceased for 8-18 minutes following intravenous injection of the reacting dose. Intensification of secretion of mucus corresponded to the period of development of AS. The cessation of excretion of mucus

Card 1/2

- 7 -

USSR/General Problems of Pathology - Allergy.

U

Abs Jour : Ref Zhur Biol., No 1, 1959, 4073

inactive AS lasted longer in the Heidehain stomach than in the Pavlov and in the intact stomachs. Influx of bile into the stomach was observed at the time of AS. The secretion of the gastric juice proper, secondary to the elementary stimulant, decreased following AS. It was possible to obtain a conditioned reflex AS, altering the secretory activity of the stomach in the same manner as the non-conditioned AS. Changes in gastric secretion under the action of a reacting dose failed to occur during deep chloral hydrate sleep.

Card 2/2

PRONINA, Ye. P.

"The Influence of Anaphylaxis on the Secretory Function of the Stomach."
Cand Vet Sci, Omsk State Veterinary Inst, Omsk, 1954. (RZhBiol, No 2, Jan 55)

Survey of Scientific and Technical Dissertation Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

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SOV/81-59-13-45192

24.1800

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 13, p 67 (USSR)

AUTHORS: Levin, P.I., Safronov, A.I., Pronina, Ye.S.

TITLE: The Action of Ultrasound on the Oxidation Rate of Ferrous Oxide

PERIODICAL: Sb. nauchn. tr. Vses. n.-1. gorno-metallurg. in-t tsvetn. met., 1958, Nr 3, pp 111 - 117

ABSTRACT: The action of ultrasound (frequency 500 kc, power 25 w) on the oxidation of Fe(2+) in aqueous solutions by oxygen of the air at various temperatures and also at the addition of Zn²⁺ ions has been investigated. In the sound-treatment, oxidation has not been detected due to the formation of H₂O₂. The rate of the oxidation of iron in ZnSO₄ solutions at pH 5.0 increases 1.6 - 1.8 times, in solutions containing only Fe(2+) sulfate, 1.3 - 1.4 times. The reduction of the solubility of O₂ in the sound-treatment decreases the oxidation rate under the action of ultrasound. The practical application of ultrasound in the hydrometallurgy of Zn for intensifying the oxidation of iron is not expedient at the present time.

B. Kudryavtsev

Card 1/1

PRONINA, Ye. V. and VASHKOV, V. I.

"Fundamental Antitularemia Measures and Trends in the Work of Tularemia Control Stations," Zhur. Mikrobiol., Epidemiol. i Immunobiol., No.1, pp 92-97, 1955

Translation M-1052, 30 Mar 56

ACC NR: AP6024397

SOURCE CODE: UR/0020/66/169/002/0361/0364

AUTHOR: Yakhontov, L. N.; Pronina, Ye. V.; Rubtsov, M. V.; Kazanskiy, B. A.
(Academician)

ORG: All-Union Chemical and Pharmaceutical Scientific Research Institute
(Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im.
S. Ordzhonikidze)

TITLE: Anomalous course of the Fischer reaction

SOURCE: AN SSSR. Doklady, v. 169, no. 2, 1966, 361-364

TOPIC TAGS: benzpyridoastriazone, Fischer reaction, *CYCLIC COMPOUND,*
CYCLOHEXANONE, CHEMICAL REACTION

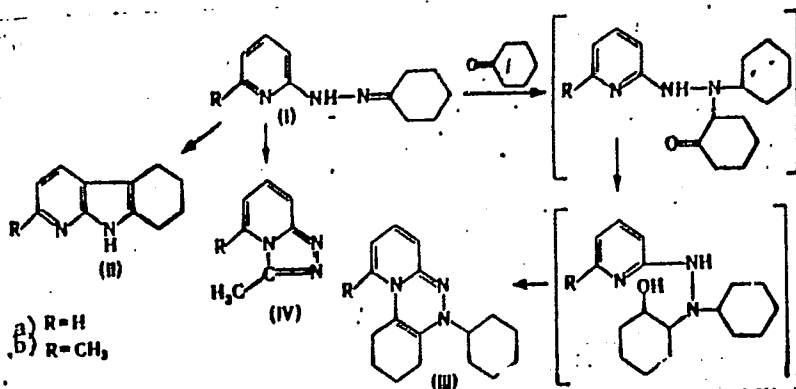
ABSTRACT:

It was found that in boiling HCl, the reaction of Ia with cyclohexanone, in addition to the normally formed IIa, also yielded (36.6%, based on cyclohexanone) the previously unreported tricyclic compound IIIa, mp 77-78°C, i.e., under certain conditions the Fischer reaction proceeds anomalously. The cyclization proceeds via a partial hydrolysis of Ia

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UDC: 547.873

ACC NR: AP6024397



to form cyclohexanone, which adds at the C=N double bond of the hydrazine Ia, with subsequent enolization of the ketone and elimination of H₂O. Under the same conditions, Ib reacts with cyclohexanone to form IIIb in 27.6% yield, mp 107—108°C. Orig. art. has: 1 formula.

[W.A.-50; CBE No. 10]

SUB CODE: 07/ SUBM DATE: 16Nov65/ ORIG REF: 002/ OTH REF: 008/

PRONINA, Ye.V.

VASHKOV, V.I.; PRONINA, Ye.V.

Basic measures in the prevention of tularemia and trends in the work
of anti-tularemia stations. Zhur. mikrobiol. epid. i immun. no.1:
92-97 Ja '55. (MLRA 8:2)
(TULAREMIA, prevention and control,
in Russia, prev. stations)

FRONINA, Z. S.

"Production of Enantilidene-Acetone," Zhur. Obshch. Khim., 13, Nos. 11-12,
1943. Lab. Organic Chemistry, Sverdlovsk State Univ., -1940-.

KOVAL', V.P.; DONETS', Z.S.; KOMAROVA, T.I.; PRONINA, Z.V.

Parasites of fishes of the middle course of the Dnieper River
near the city of Kanev. Visnyk Kyiv.un. no.3; Ser.biol.
no.1:133-142 '60. (MIRA 16:4)
(DNIEPER RIVER--PARASITES--FISHES)

GULYY, M.F., akademik; FEDORCHENKO, Ye.Ya.; PECHENOVA, T.N.; MATUSEVICH, I.I.;
CHEVPILO, I.A.; PRONINA, Z.V.; ZHURAVSKIY, N.I.; KATSOBA, G.B.

Activation of amino acids with the formation of aminoacyl-
phosphates in animal tissues. Dokl. AN SSSR 166 no.1:227-230
Ja '66. (MIRA 19:1)

1. Institut biokhimii AN UkrSSR. 2. AN UkrSSR (for Gulyy).
Submitted July 2, 1965.

31031. PRONINA-LITVINTSEVA, A. N.

K voprosu o poz dnikh rezektsiyakh tazovedrennogo sustava po povodu
gnoynykh koksitov posle ognestrel'nykh raneniy. Vestnik khirurgii im. Grekova,
1949, No. 4, s. 38-41

BM

ПРОИТЧЕНА (Mine L. L.). Фузариоз Пшеници в Азово-Черноморском крае в 1934 г. и оценка его вредности. [Fusariosis of Wheat and determination of its injuriousness in the Azoff-Black Sea region in 1934.]—*Pl. Prot. Leningr.*, 1936, 8, pp. 129-137, 1936. [English summary.]

The author states that in 1934, evidently owing to exceptionally dry conditions during the spring, wheat crops in the Azoff-Black Sea region suffered heavily from foot rot in the seedling stage; isolations showed 61.7 per cent. of the infection to be due to species of *Fusarium* and 32.5 per cent. to *Helminthosporium sativum*; later the plants suffered from attacks of *Fusarium* spp. on the haulms. The species of *Fusarium* isolated included *F. herbarum*, *F. orthoceras*, *F. scirpi* var. *acuminatum*, and *F. sporotrichioides*; although *F. graminearum* (*Gibberella saubinetii*) [R.A.M., xv, p. 789] was not isolated in pure culture, its abundant occurrence in the region in 1933 makes it highly probable that it was also present in 1934. It was further shown that heavy attacks on the fertile stems reduced the yield in grain by 72.8 to 70.2 per cent., and the specific gravity of the grain by 42.0 to 49.2 per cent. Artificial inoculation of wheat ears with *G. saubinetii* during blossoming reduced the yield by 77.0 per cent. and the specific gravity by 72.4 per cent., while inoculation ten days after the end of blossoming resulted in 43.7 per cent. reduction in yield and 50.9 per cent. reduction in specific gravity.

Special experiments indicated that the intensity of attack by *Fusarium* spp. was significantly reduced by extra early (12th March) sowing of spring wheats, crop rotation, and spring ploughing to a depth of 20 cm. after removal of the turf.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

LIST AND (NO. ORDERS) PROCESSES AND PROPERTIES INDEX (NO. AND (1TH. ORDERS)

AM

ПРОИТЧЕНА (Мисс Л. Л.). Фузариоза Пшеница и Азоз-Черноморском краю в 1934 г. и оценка его вредности. [Fusariosis of Wheat and determination of its injuriousness in the Azoff-Black Sea region in 1934.] - *Pl. Prot. Leningr.*, 1936, 8, pp. 129-137, 1936. [English summary.]

The author states that in 1934, evidently owing to exceptionally dry conditions during the spring, wheat crops in the Azoff-Black Sea region suffered heavily from foot rot in the seedling stage; isolations showed 61.7 per cent. of the infection to be due to species of *Fusarium* and 32.5 per cent. to *Helminthosporium aurum*; later the plants suffered from attacks of *Fusarium* spp. on the haulms. The species of *Fusarium* isolated included *F. herbarum*, *F. orthoceras*, *F. scirpi* var. *acuminatum*, and *F. sporotrichioides*; although *F. graminearum* (*Gibberella saubinetii*) [*R.A.M.*, xv, p. 789] was not isolated in pure culture, its abundant occurrence in the region in 1933 makes it highly probable that it was also present in 1934. It was further shown that heavy attacks on the fertile stems reduced the yield in grain by 72.8 to 76.2 per cent., and the specific gravity of the grain by 42.0 to 49.3 per cent. Artificial inoculation of wheat ears with *G. saubinetii* during blossoming reduced the yield by 77.9 per cent. and the specific gravity by 72.4 per cent., while inoculation ten days after the end of blossoming resulted in 43.7

ASB 55.4 METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

PRONIV, D.I., dotsent; LOYKO, Ye.A.

Use of cortisone in some diseases of the nervous system. Vrach.
delo no.11:67-72 N '62. (MIRA 16:2)

1. Kafedra nervnykh bolezney (zav. - zasluzhenny deyatel' nauki
prof. D.I. Panchenko) Kiyevskogo instituta usovershenstvovaniya
vrachey.

(NERVOUS SYSTEM—DISEASES) (CORTISONE)

PRONIV, D.I.; ADAMENKO, R.Ya. (Kiyev)

"Textbook of nervous diseases" by V.V. Mikheev. Reviewed by
D.I. Proniv, R.IA. Adamenko. Vrach.delo no.1:150-151 Ja '63.
(MIRA 16:2)

(NERVOUS SYSTEM—DISEASES)
(MIKHEEV, V.V.)

PRONIV, D.I. (Kiyev)

Meningeal syndrome and the meningeal system. Vrach.delo no.2:
3-10 F '63. (MIRA 16:5)

(MENINGITIS)

PRONIV, D.I.

PRONIV, D.I., kand.med.nauk

Regenerative changes in nerve trunks in experimental endoneurolysis.
(MIRA 11:3)
Vrach.delo supplement '57:83-84

1. Kafedra nervnykh bolezney (zav.-zasl. deyatel' nauki, prof.
D.I.Panchenko) Kiyevskogo instituta usovershenstvovaniya vrachey.
(NERVOUS SYSTEM--DISEASES)

FRONIV, D.I., kandidat meditsinskikh nauk

Early diagnosis of endarteritis obliterans. Vrach.delo no.4:427
(MIRA 10:7)
Ap '57.

1. Kafedra nervnykh bolezney (zav. - zasl.deyatel' nauki, prof.
D.I.Panchenko) Kiyevskogo instituta usovershenstvovaniya vrachey.
(ARTERIES--DISEASES)

PRONIV, D.I. kandidat meditsinskikh nauk

Reaction of mesenchymal and vascular neural elements in experimental
endoneurolysis. Vrach.delo no.8:819-821 Ag '57. (MLRA 10:8)

1. Klinika nervnykh bolezney (zav. - zasluzhennyy deyatel' nauki,
professor D.I.Panchenko) Kiyevskogo instituta usovershenstvovaniya
vrachey
(NERVOUS SYSTEM--SURGERY)

PRONIV, D.I., kand.med.nauk (Kiyev, ul. Makarovskaya, d.14/2)

Some peculiarities of nerve regeneration following experimental
endoneurolysis. Nov.khir.arkh. no.1:89-93 Ja-F '59.
(MIRA 12:6)

1. Kafedra nervnykh bolezney (zav. - zasl.deyatel' nauki prof.
D.I.Panchenko) Kiyevskogo instituta usovershenstvovaniya vrachey.
(SCIATIC NERVE) (NERVOUS SYSTEM--DEGENERATION AND REGENERATION)

PRONIV, D.I., kand.med.nauk; PUSHKARCHUK, I.V.

Treatment of endarteritis obliterans at the Nemirov spa.
Vrach.delo no.2:159-161 F '59. (MIRA 12:6)

1. Kurort Nemirov, L'vovskoy oblasti.
(NEMIROV (LVOV PROVINCE)--MINERAL WATERS, SULFUROUS)--
(ARTERIES--DISEASES)

PRONIV, D.I., dotsent; TSERLYUK, P.P. (Kiyev)

"Neural diseases" by F.A.Poemnyi. Reviewed by D.I.Proniv;
P.P.Tserliuk. Vrach. delo no.4:152-153 Ap'63. (MIRA 16:7)
(NERVOUS SYSTEM--DISEASES)
(POEMNYI, F.A.)