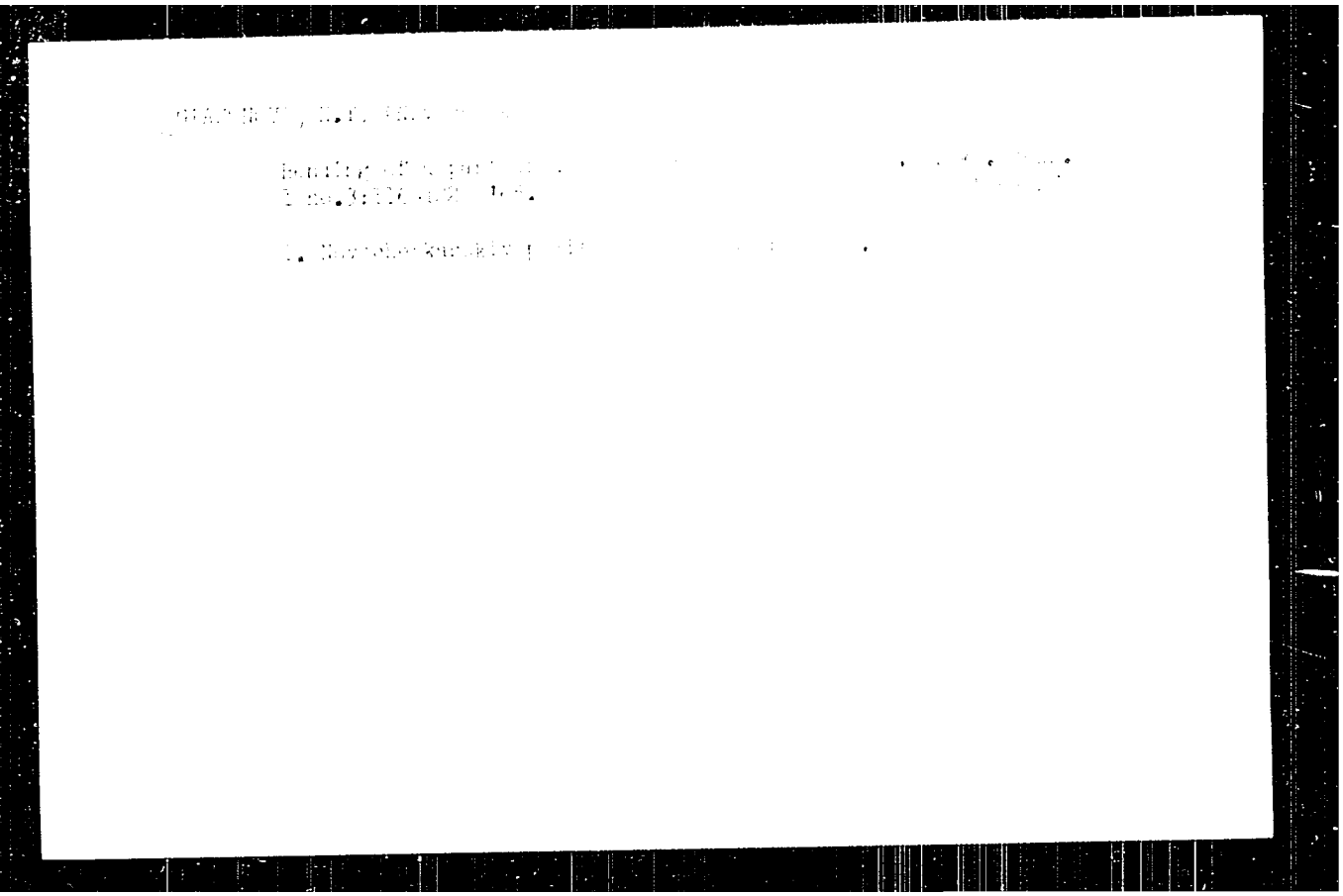
YELAGIN, Vladimir Dmitriyevich; GLAZUNOVA, N.I., red.; MAKIYIN, I.T., tekhn. red.

[Plus electrification...] Plius elektrifikatsiia... Moskva, Izd-vo "Znanie," 1962. 47 p. (Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no.1) (MIRA 15:4)
(Rural electrification) (Electricity in agriculture)



SMIRNOVA, K.M.; GLAZUNOVA, N.M.

Dynamics of chemical properties of soils under nemiherbaceous stands. Vest.Mosk. un. Ser. biol., pochv., geol., geog. 13 no.2:109-120 '58. (MIRA 11:9)

1. Moskovskiy gos. universitet, Kafedra pochvovedeniya.
(Forest soils) (Soil chemistry) (Birch)

GLAZUNOVA, N.T.

A solution for the first basic problem in the theory of elasticity of orthotropic wedges. Izv.vys.ucheb.zav.; stroi. i arkhit. no.5: 11-21 '58. (MIRA 12:1)

1. Novocherkasskiy politekhnicheskiy institut imeni Sergo Ordzhonikidze.

(Elastic plates and shells)

GLAZUNOVA, T. T.: Master Tech Sci (diss) -- "A solution to the plane problem in the theory of elasticity of certain orthotropic sheets". Novocherkassk, 1958. 11 pp (Min Higher Educ USSR, Novocherkassk Order of Labor Red Banner Polytech Inst im S. Ordzhonikidze), 150 copies (KL, No 7, 1959, 131)

S/147/61/000/004/017/021
E081/E435

AUTHORS: Vorob'yev, L.N., Glazunova, N.T.

TITLE: The question of Saint-Venant's principle

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Aviatsionnaya tekhnika, no.4, 1961, 137-143

TEXT: The paper is a continuation of previous work of L.N.Vorob'yev (Ref.6: Doklady AN UkrSSR, No.5, 1954, 39 and Ref.7: Nauchnyye trudy Novocherkasskogo politekhnicheskogo instituta, v.26, no.40, 1955, 120). The problem of a rectangular plate loaded at its ends with a self-equilibrating system of normal and shear stresses, statically equivalent to zero load, is examined to obtain information on the validity of Saint-Venant's principle in the two-dimensional case. The general method adopted is to assume a load distribution $q(z)$ on the longitudinal edges of the plate (Fig.1). A solution of the plane elasticity problem corresponding to this loading is then obtained by a Fourier series method and by a method involving polynomials. These two solutions are not identical because they lead to different boundary stresses at the ends of the plate. The

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The question of Saint-Venant's ...

difference between the two solutions gives the stress distribution in the plate corresponding to the application of a self-equilibrating stress system at the ends. The actual stress system depends on the initial form chosen for $q(z)$. By suitable choice of this function, the solution is found for the following self-equilibrating systems: shear stress along; normal stress alone and a combination of the two. In all the cases considered, the stress in transverse sections falls to a negligibly small value at distances from the end of the plate equal to or greater than its width. There are 2 figures and 3 tables.

ASSOCIATION: Novocherkasskiy politekhnicheskiy institut
Kafedra stroitel'noy mekhaniki
(Novocherkask Polytechnical Institute,
Department of Structural Mechanics)

SUBMITTED: February 18, 1961

VOROB'YEV, L. N., kand. tekhn. nauk, dotsent; GLAZUNOVA, N. T., kand. tekhn. nauk, dotsent

Plane stressed state of a rectangular anisotropic plate. Izv. vys. ucheb. zav.; mashinostr. no.7:68-74 '62. (MIRA 16:1)

1. Novocherkasskiy politekhnicheskiy institut.

(Elastic plates and shells)

VOROB'YEV, L.N.; GLAZUNOVA, N.T. (Novocherkassk)

Solving a plane problem for a rectangular region. Stroi. mekh. i rasch. soor. 4 no.6:3-6 '62. (MIRA 16:1)
(Elastic plates and shells)

GIAZUNOVA, N.T.

Problem of axisymmetrical bending of slabs. Trudy NPI 136: 39-50 '63. (MIRA 16:10)

(Slabs) (Flexure)

GLAZUNOVA, N.V.

Concerning a mixed problem of the theory of round slabs. Trudy MIIT 136:51-62 '63. (MIRA 16:10)

(Slabs)

POPOVA, Zh.P.; GLAZUNOVA, N.N.

Organic remains in the oil of the Markov field. Dokl. AN SSSR 161 no.3:673-675 Mr '65. (MIRA 18:4)

1. Trest "Vostsibneftegeologiya". Submitted October 6, 1964.

LADA, Igor' Vasil'yevich; GLAZUNOVA, N.V., red.; ROMANOVA, N.I., tekhn. red.

[If the world disarms] Esli mir razoruzhitsia... Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1961. 111 p. (MIRA 14:7)
(Disarmanent)

VERESHCHETIN, Vladlen Stepanovich; LEBEDKINA, Yelizaveta Dmitriyevna; GLAZUNOVA, N.V., red.; ROMANOVA, N.I., tekhn. red.

[International Council of Scientific Unions]Mezhdunarodnyi sovet nauchnykh soiuzov (MSNS). S predisl. V.A.Engel'gardta. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 125 p. (MIRA 16:2)

(International Council of Scientific Unions)

ALEKSANDROV, I.V.; ABRADUSHKIN, Yu.S., GLAZUNOVA, O.V.; UTKINA, V.V.

Analyzing the formation of azine dyes in color development. Part 3: Reaction capacity of 2-aminophenol derivatives under color development conditions. Zhur.nauch. i prikl.fot. i kin. 9 no.2: 102-108 Mr-Ap '64. (MIRA 17:4)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley (NIOPiK).

5(4)

AUTHORS: Tsetlin, B. L., Sergeyev, V. A., Rafikov, S. R., Korshak, V. V., Corresponding Member AS USSR, Glazunova, P. Ya., Rubin, L. D.

SOV/20-126-1-33/68

TITLE: The After-effect in the Irradiation of Methylmethacrylate in the Presence of Oxygen (Effekt posledeystviya pri obluchenii metilmetakrilata v prisutstvii kisloroda)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 1, pp 123-125 (USSR)

ABSTRACT: It is a known fact that oxygen inhibits the radical polymerization of many vinyl monomers. This is the case also with radiation polymerization (Ref 1). However, the irradiated monomer is able to polymerize later, as soon as the supply of oxygen is interrupted (Ref 2). This manner of utilizing ionization energy is of practical interest. The authors investigated the basic rules of this process. The monomer was irradiated with fast electrons (900 kev) in an accelerator of the second Institute mentioned under Association. Figure 1 shows the kinetic polymerization curve in dependence on the radiation dose R. The initial velocity V_o of polymerization is, as figure 2 shows, proportional to $R^{1/2}$.

The After-effect in the Irradiation of Methylmethacrylate in the Presence of Oxygen SOV/20-126-1-33/62

Figure 3 shows the influence exercised by temperature upon V_0. Polymerization was introduced by evacuation. The activation energy was calculated as amounting to 11.2 kcal/mol. It is thus considerably lower than the activation energy in the polymerization of methyl methacrylate with benzoyl peroxide, which amounts to 19.7 kcal/mol. The high activity of the peroxide groups formed by irradiation facilitates polymerization at low temperatures. Figure 4 shows the development of polymerization by irradiation, and, as a comparison, the effect of 0.01 % benzoyl peroxide. Apart from the low reaction temperature, irradiation offers the further advantage that, after irradiation, polymerization may be begun at any desired point of time. There are 4 figures and 9 references, 5 of which are Soviet.

Card 2/3

The After-effect in the Irradiation of Methylmethacrylate in the Presence of Oxygen

SOV/20-126-1-33/62

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental-organic Compounds of the Academy of Sciences, USSR). Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

SUBMITTED: February 25, 1959

Card 3/3

VOYEVODSKIY, V.V.; GLAZUNOVA, P.Ya.; SMIRNOVA, B.A.; KHAIT, Yu.L.; TOPCHIYEV, A.V., akademik, otv. red.; POLAK, L.S., doktor fiz.-matem. nauk, otv. red.; BUKALOVA, L.T., red.; ZENTSEL'SKAYA, Ch.A., tekhn. red.

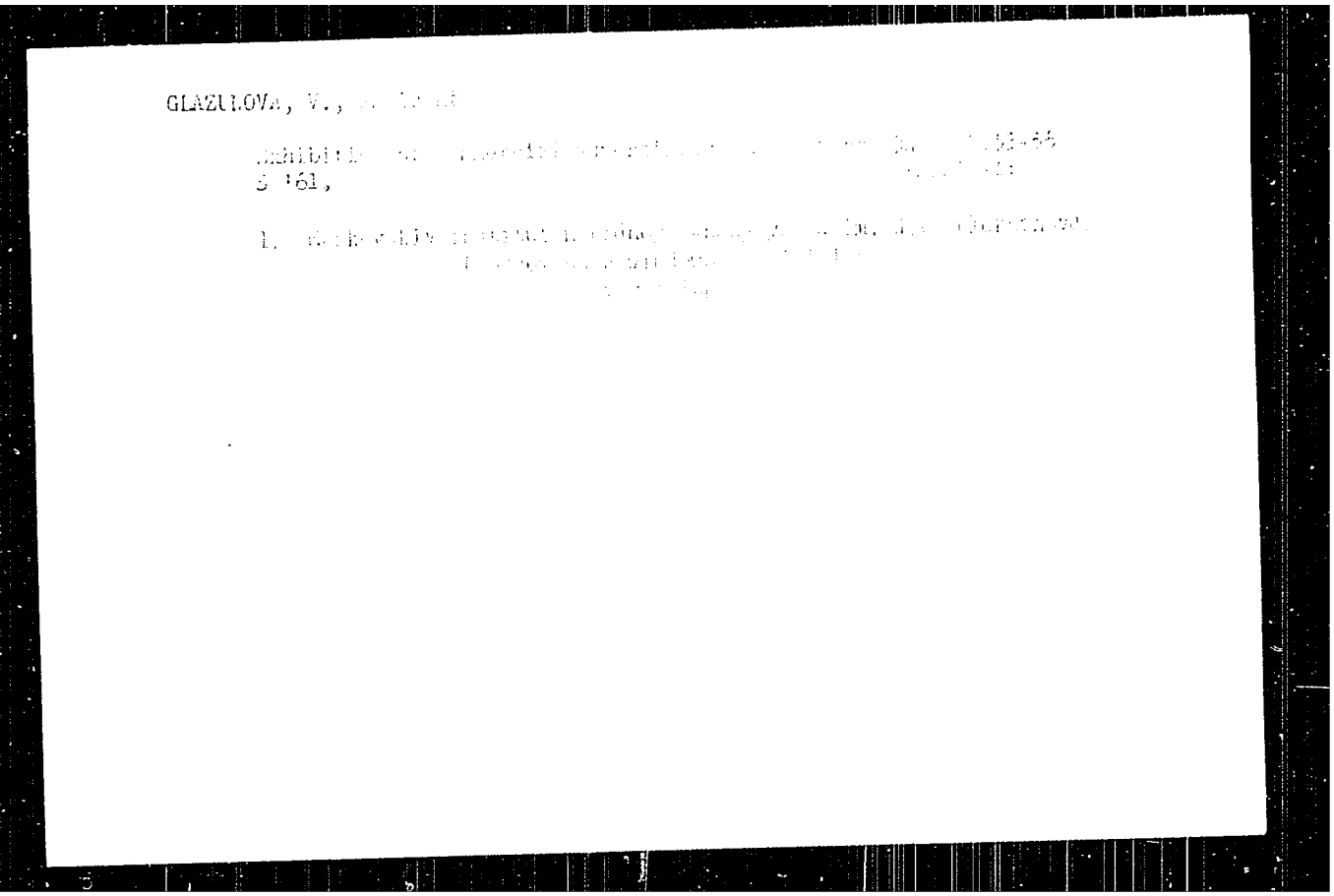
[Radiolysis of hydrocarbons; some physicochemical problems] Radioliz uglevodorodov; nekotorye fiziko-khimicheskie problemy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 207 p. (MIRA 15:9)

1. Akademiya nauk SSSR. Institut neftekhimicheskogo sinteza.
(Hydrocarbons) (Radiochemistry)

GLAZUNOVA, V.

[illegible] 14:2,
([illegible] industry)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000500020013-0"



GLAZUNOVA, V.,

5 '61,

SAPEL'NIKOV, Ya.; GOLOVATYY, I.; GLAZUNOVA, V. aspirant, (Moskva); USTINOV, I.; KOLENKO, A.; KONDRATSKIY, A.; YEFREMOVA, L.; GOMBACH, P., konstruktor (Moskva); BERGER, I., kand.ekon.nauk; KLEPIKOV, N.; SINYUTIN, V., kand.ekon.nauk; KORZHENEVSKIY, I., kand.ekon.nauk; PEREPLETCHIK, I.

Fiftieth anniversary of "Pravda." Sov. torg. 35 no.5:38-42 My '62. (MIRA 15:5)

1. Nachal'nik Planovo-ekonomicheskogo upravleniya Ministerstva torgovli RSFSR (for Sapel'nikov). 2. Nachal'nik planovogo otdela kurorttorga, g. Berdyansk (for Golovatyy). 3. Moskovskiy ordena Trudovogo Krasnogo znameni institut narodnogo khozyaystva im. G.V. Plekhanova (for Glazunova). 4. Nachal'nik otdela tovarooborota Gosplana USSR, g. Kiyev (for Kolenko). 5. Glavnyy bukhgalter Zhitomirskogo gorodskogo torga po torgovle promtovarami (for Kondratskiy). 6. Starshiy khudozhnik Obshchesoyuznogo doma modeley (for Yefremova). 7. Zaveduyushchiy sektorom Ukrainskogo nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya (for Berger). 8. Zaveduyushchiy sektorom Nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya, g. Moskva (for Sinyutin). 9. Zaveduyushchiy sektorom Ukrainskogo nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya, g. Kiyev (for Korzhenevskiy). (Russian newspapers)

GIAZUNOVA, V.

Advertising and progressive forms of trade. Sov. trog. 35 no.6:60-64
(Advertising--Retail trade)

GLAZUNOVA, V.

Language of trade advertisement. Sov.torg. 36 no.12:56-59 D '62. (MIRA 16:1)

(Advertising copy)

KUDRYAVTSEV, N.T.; TYUTINA, K.M.; MIKHAYLOV, N.I.; GLAZUNOVA, V.K.

Causes of the formation of dark spots on the surface of zinc plated parts. Izv.vys.ucheb.zav.; khim.i khim tekh. 3 no.1: 166-169 '60. (MIRA 13:6)

1. Kafedra elektrokhimii Moskovskogo khimiko-tekhnologicheskogo instituta imeni D.I. Mendeleyeva.
(Zinc plating)
(Zinc--Corrosion)

GLAZUNOVA, V.K.; GRUZDEVA, A.K.; KARATAYEV, N.B.

Possibility of using rapid flotation for Zyrianovsk sulfide ores.
TSvet. met. 34 no.1:7-12 Ja '61. (MIRA 17:3)

S/070/62/007/005/007/014
E132/E460

AUTHOR: Glazunova, V.K.

TITLE: The influence of certain factors on the growth of whiskers of tin

PERIODICAL: Kristallografiya, v.7, no.5, 1962, 761-763 + 1 plate

TEXT: Whiskers of easily melted metals (Sn, Zn, Cd) have been found in electrodeposited layers. Here, observations on Sn whiskers spontaneously growing from electrodeposits were made involving a) thermal treatment, b) irradiation with ultra-sound, c) cooling and d) externally applied compression. Growth took place over a period of 3 years at a rate of about 0.05 Å/sec for Sn deposited on a steel surface from a sulphuric solution. If an electrolytic layer of brass or steel is first deposited then the incubation period is shortened to 1 - 3 months and the growth rate is about 0.3 Å/sec. If the coating is thinner than 0.5 micron no whiskers grow and the optimum thickness is 3 to 10 microns. X-ray photographs showed the whiskers to be of the tetragonal form with c along the needle axis. Crystals with diameters 1 - 2 microns were 1 - 2 mm long. About 80% of the

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The influence of certain ...

crystals were bent with kinks of 90, 45, 25 and 65°. Fatter crystals were also found twisted into spirals and tangled balls. The maximum rate of growth was found for whiskers growing on a tin covering on a brass substrate on a steel base after thermal treatment at 100 to 150°C for 1 hour. The minimum was for tin on a copper substrate on steel heated for more than 6 hours at 100°C and 2 hours at 150°C. Growth could be completely stopped by ultrasonic vibrations (1 to 3 Mc/s). Cooling to -20 to -40°C for 18 months also stopped growth. Pressure decreased the inductive period to 1 - 2 days and increased the rate of growth several times. Growth could be observed under 150 kg/cm^2 but not under 500 kg/cm^2. It is concluded that the main factor in the mechanism of growth is the energy of the internal strains in the electrolytically deposited layers of Sn. There are 3 figures.

SUBMITTED: June 19, 1961

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L 12676-63 S/0080/63/036/003/0543/0550

ACCESSION NR: AP3000644

EWP(q)/EWT(m)/BDS AFFTC/ASD JD/WH

AUTHOR: Glazunova, V. K.; Kudryavtsev, N. T.

TITLE: Investigation of the conditions of spontaneous growth of crystal fibers in electrolytic coatings

SOURCE: Zhurnal prikladnoy khimii, v. 36, no. 3, 1963, 543-550

TOPIC TAGS: crystal growth, electrolytic tin coatings, tin, copper, lead, recrystallization

ABSTRACT: Experiments showed that the growth of crystal fibers in electrolytic tin coatings occurred spontaneously, independently of oxidation in dry or damp atmosphere, and was probably caused by internal stresses in the deposits. The difference in incubation period and crystal growth rate in coatings is explained by the magnitude of internal deformation in the Sn lattices. Significant acceleration of crystal growth of Sn deposited on brass is apparently connected with diffusion of Zn from the brass into the Sn coating. Coatings on Zn and Cu also showed short crystal incubation periods and rapid growth; Ni, Sn, and steel substrates reduced the effect, and on Ag and Fe there was no crystal formation in 4 years. The decrease in the crystal growth rate, proportional to the increase in the deposit thickness, is apparently caused by the decrease in internal stresses. Addition of

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L 12676-63
ACCESSION NR: AP3000644

2

thiourea to the electrolyte in depositing Cu produced striking crystal growth in Sn coatings. Coatings deposited at 0° were very fine grained and stressed; crystal growth therein was rapid. Sn-Cu and Sn-Ni deposits showed no structural change. In Sn-Pb, the incubation period was retarded, while in Sn-Zn the characteristic crystal growth appeared in 6 months. Reversing the current or increasing the current density up to 1.2 sq dm had no effect; at 2-3 sq dm, the incubation period increased and the growth rate was decreased. Heating had a decelerating effect, proportional to time and temperature of heat, on crystal growth. This also points to the role of internal stresses in the growth mechanism of the crystals. This phenomenon represents a peculiar form of recrystallization in Sn coatings. Orig. art. has: 4 tables, 1 figure, 3 photographs. 16 27

ASSOCIATION: none

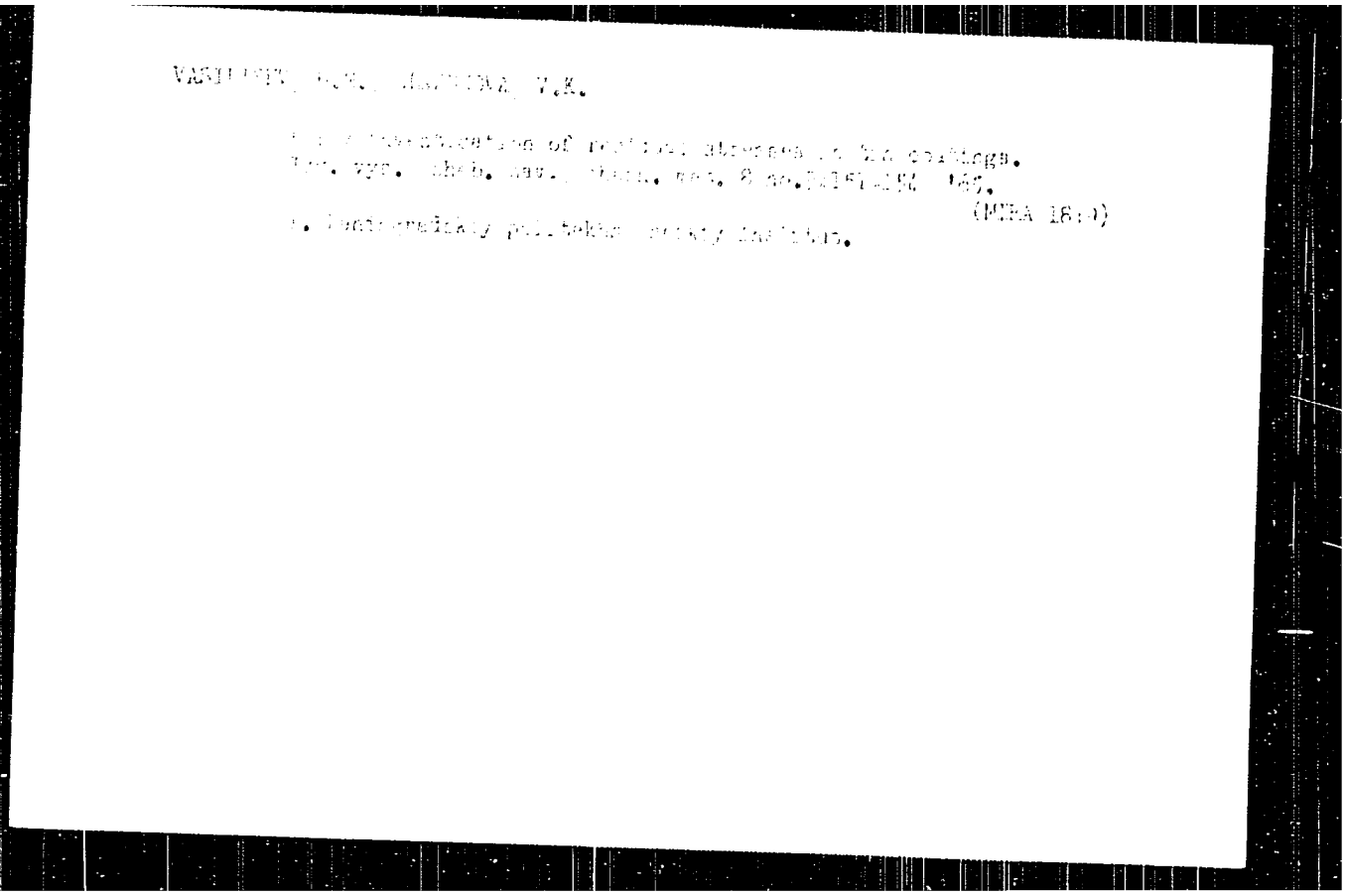
SUBMITTED: 31Oct61 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: CH NO REF SOV: 009 OTHER: 005

Card 2/2

GLAZUNOVA, V.K.

Spontaneous growth of filamentary Ti crystals. Zhur. prikl. khim. 37 no.11:2387-2392 N '64 (MIRA 18:1)



GLAZUNOVA, V.V.

What are polymers? Part 1 [illegible] (MIRA 17:3)

GURAL'NIK, M.I., kandidat tekhnicheskikh nauk; MEKRNITSKIY, S.Ya., inzhener; LAVROVA, V.V., spets. redaktor; GLAZUNOVA, Ye.K., redaktor; ROSLOV, G.I., tekhnicheskiy redaktor

[Roller conveyers; a report] Rolikovye dorozhki; informatsionnoe soobshchenie. Moskva, Gos. izd-vo torgovoi lit-ry, 1956. 14 p. (Conveying machinery) (MLRA 9:10)

KOVBAS, Yuliya Ivanovna; GLAZUNOVA, V.V., red.; BALASHOV, V.I., tekhn.red.

[Measuring instruments in commercial enterprises and control of their use] Izmeritel'nye pribory v torgovykh predpriiatiiakh i kontrol' za ikh ispol'zovaniem. Moskva, Gos.izd-vo torg.lit-ry, 1956. 44 p. (MIRA 11:1)

(Scales (Weighing instruments))

KURNIN, D.N.; GLAZUNOVA, V.V., redaktor; RADKEVICH, Ye.A., tekhnicheskiy redaktor

[The packing and wrapping of merchandise in foreign countries] Fasovka i upakovka tovarov za rubezhom. Moskva, Gos. izd-vo torgovoi lit-ry, 1956. 49 p. (MLRA 9:10)
(Packing)

SARKISYAN, A.S.; VINOGRADSKIY, B.N.; GLAZUNOVA, V.V., redaktor; ROSLOV, G.I., redaktor; ROSLOV, G.I., tekhnicheskiy redaktor

[The work of innovators in the organization of department stores] Ratsionalizatorskaia rabota v univermage. Moskva, Gos. izd-vo torgovoi lit-ry, 1956. 85 p. (MLRA 9:8)
(Department stores)

NECHAY, Z.S.; GLAZUNOVA, V.V., red.; BALASHOV, V.I., tekhn.red.

[Preparation of inspection findings] Oformlenie i realizatsiia materialov proverki. Izd. 2-oe, dop. Moskva, Gos. izd-vo torg. lit-ry, 1957. 29 p. (MIRA 11:5)
(Russia--Commerce)

AKSENOV, Petr Filippovich; GLAZUNOVA, V.V., red.; MEDRISH, D., tekhn.red.

[Restaurants and cafés of Moscow] Restorany i kafe Moskvy. Moskva, Gos.izd-vo torg.lit-ry, 1958. 97 p. (MIRA 12:7)
(Moscow--Restaurants, lunchrooms, etc.)

BOGIN, Lev Minayevich; ZHUKOV, Yuriy Vladimirovich; KUZNETSOV, A.T., red.; TURETSKIY, Sh.Ya., red.; GLAZUNOVA, V.V., red.; BABICHEVA, V.V., tekhn.red.

[Retail furniture prices] Roznichnye tseny na mebel'. Pod red.A.T.Kuznetsova i Sh.IA. Turetskogo. Moskva, Gos.izd-vo torg.lit-ry, 1960. 71 p. (MIRA 13:4)
(Furniture--Prices)

FIALKOV, M.A.; GLAZUNOVA, V.V., red.; MAMONTOVA, N.N., tekhn.red.

[Agencies of state trade administration in the U.S.S.R. and their improvement] Organy gosudarstvennogo upravleniia torgovlei v SSSR i ikh sovershenstvovanie. Moskva, Gos.izd-vo torg.lit-ry, 1960. 139 p. (MIRA 14:1)
(Russia--Commerce)

VOLOKITIN, A.S.; DAVYDOVA, G.A.; GLAZUNOVA, V.V., red.; KIRAKOZOVA, N.Sh., red.; BABICHEVA, V.V., tekhn.red.

[Material and technical base and reproduction of fixed assets in Soviet trade; work, personnel, and wages in Soviet trade] Material'no-tekhnicheskaia baza i vosproizvodstvo osnovnykh fondov sovetskoi torgovli; trud, kadry, zarabotnaia plata v sovetskoi torgovle. Loktsii. Moskva, Gos.izd-vo torg.lit-ry, 1960. 68 p. (MIRA 14:3)

(Russia--Commerce)

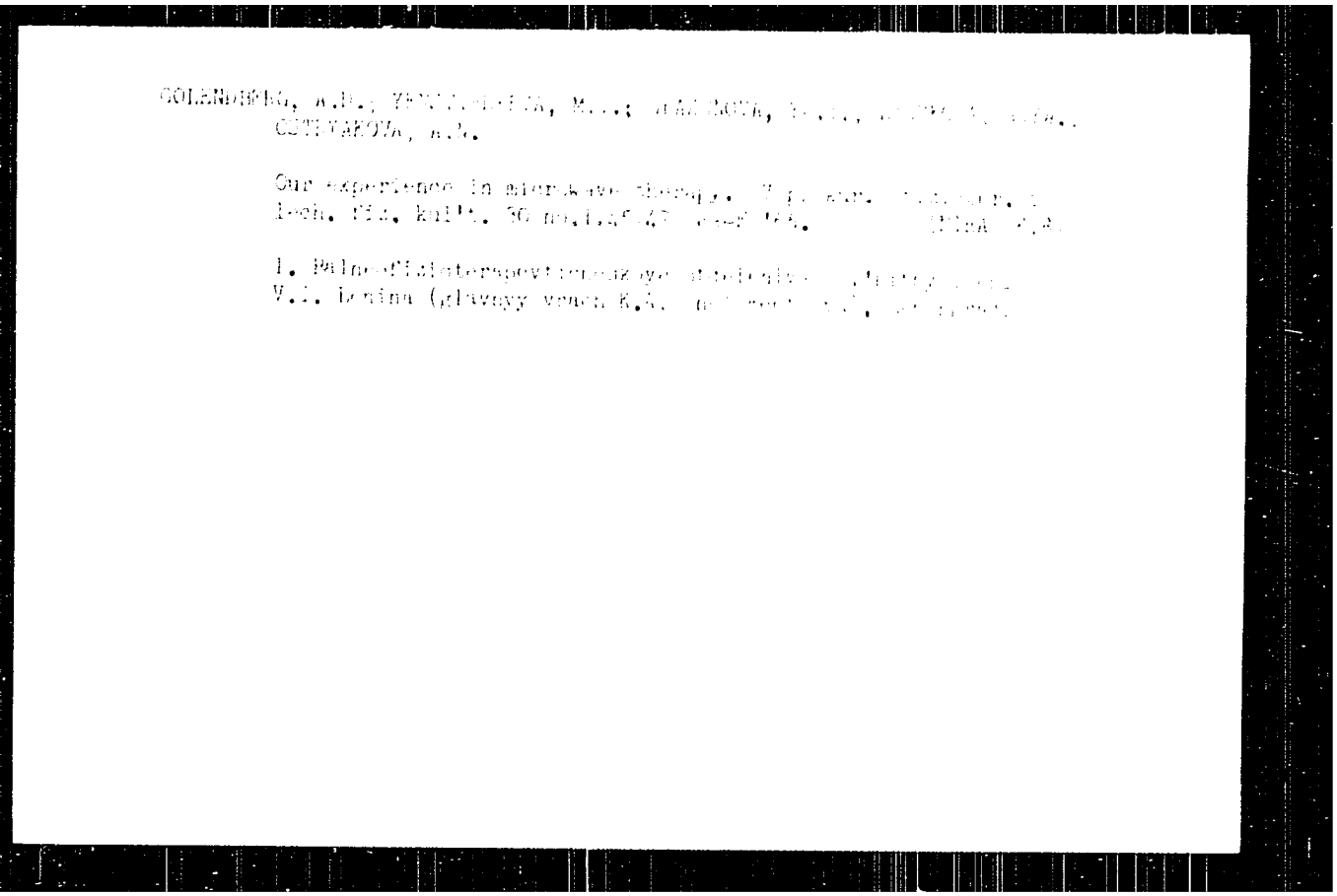
VASIL'YEV, Aleksandr Afinogenovich; KIRAKOZOVA, N.Sh., red.; GLAZUNOVA, V.V., red.; BABICHEVA, V.V., tekhn.red.

[Collective-farm trade. State procurement of farm produce and raw materials] Kolkhoznaia torgovlia. Zagotovki sel'skokhozialstvennykh produktov i syr'ia. Moskva, Gos.izd-vo torg. lit-ry, 1960. 77 p. (MIRA 14:3)
(Produce trade)

RAYSKIY, Igor' Dmitriyevich; GLAZUNOVA, V.V., red.; KLIMAKOZOVA, N.Ch., red.; EL'KINA, E.M., tekhn. red.

[Electric elements of automatic vending machines] Elektricheskie elementy torgovykh avtomatov. Moskva, Gostorgizdat, 1961. 159 p. (MIRA 15:6)

(Vending machines)



PROKOF'YEV, A.A.; KUDRYASHEVA, O.I.; GLAZUNOVA, Ye.M.

Biological importance of the contractile activity of roots.
Fiziol.rast. 1 no.2:109-121 N-D '54. (MIRA 8:10)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva, Moscow, Botanicheskiy institut Akademii nauk Tadzhikskoy SSR i Tadzhikskiy gos.universitet, Stalinabad.
(Roots (Botany)) (Dandelions)

NIKITIN, V.I.; GLAZUNOVA, Ye.M.

Tertiary triatomic alcohols of the acetylenic group and their conversions. Part 21: Dehydration of 2,3,6-trimethyl-4-octyne-2,3,6-triol and 3,4,7-trimethyl-5-nonyne-3,4,7-triol. Zhur. ob. khim. 30 no.12:3907-3915 D '60. (MIRA 13:12)

1. Institut khimii Akademii nauk Tadzhikskoy SSR.
(Octynetriol) (Nonynetriol)

S/079/61/031/001/007/025
B001/B066

AUTHORS: Nikitin, V. I. and Glazunova, Ye. M.

TITLE: Tertiary Trivalent Alcohols of the Acetylene Series, and Their Conversions. XXII. Dehydration of 2-Methyl-5-(1-hydroxy-cyclopentyl)-hexine-3-diol-2,5 (I), and 2,4-di-(1-hydroxy-cyclopentyl)-butin-3-ol-2 (VI)

PERIODICAL: Zhurnal obshchey khimii, 1961, Vol. 31, No. 1, pp. 89 - 95

TEXT: Following Refs. 1 and 2, the authors now subjected these two acetylenetriols (I and VI), (with one or two cyclopentyl radicals), to dehydration. The new compounds, (I and VI), were synthesized by one of the authors in co-operation with S. D. Savranskaya (Ref. 5). Compound (I) was allowed to react with p-toluenesulfonic acid and potassium bisulfate. The glycol 2-methyl-5-(1-hydroxy-cyclopentyl)-hexen-1-in-3-ol-5 (II) in both cases resulted as principal and only dehydration product in a yield of between 53 and 59 %. On exhaustive hydrogenation of this glycol in acetic acid the saturated glycol 2-methyl-5-(1-hydroxy-cyclopentyl)-hexanol-5 (III) was obtained. The structure of glycol (II) could be con-

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Tertiary Trivalent Alcohols of the Acetylene Series, and Their Conversions. XXII. Dehydration of 2-Methyl-5-(1-hydroxy-cyclopentyl)-hexine-3-diol-2,5 (I), and 2,4-di-(1-hydroxy-cyclopentyl)-butin-3-ol-2 (VI)

S/079/61/031/001/007/025
B001/B066

firmed only by a counter-synthesis from isopropenyl acetylene and 1-acetyl-cyclopentanol with subsequent hydrogenation. This product gave no melting point depression with glycol (III) (melting point of (III) 83.5 - 84.5°C). Glycol (III) is converted in two directions by dehydration with 25 % sulfuric acid: a) under formation of 2-methyl-5-(1-methyl-cyclopentyl)-pentanone-5 (IV), and b) under formation of 2-methyl-5-cyclopentenyl-1-hexene-4 (V). A pinacoline rearrangement also takes place on dehydration of glycol (III) with potassium bisulfate, giving compound (IV). 2,4-di-(1-hydroxy-cyclopentyl)-butin-3-ol-2 (VI) is also dehydrated with p-toluenesulfonic acid and potassium bisulfate to 2-(1-hydroxy-cyclopentyl)-4-cyclopentenyl-butin-3-ol-2 (VII) (28 %) which may be hydrogenated selectively with one mole of hydrogen to the diene α-glycol 2-(1-hydroxy-cyclopentyl)-4-cyclopentenyl-buten-3-ol-2 (VIII). The hydrogenation of glycol (VII) over palladium on chalk apparently yields 2-(1-hydroxy-cyclopentyl)-4-cyclopentenyl-butanol-2 (IX). On exhaustive hydrogenation of glycol (VII) in methanol the glycol 2-(1-hydroxy-cyclo-

Card 2/3

Tertiary Trivalent Alcohols of the Acetylene Series, and Their Conversions. XXII. Dehydration of 2-Methyl-5-(1-hydroxy-cyclopentyl)-hexine-3-diol-2,5 (I), and 2,4-di-(1-hydroxy-cyclopentyl)-butin-3-ol-2 (VI)

S/079/61/031/001/007/025
B001/B066

pentyl)-4-cyclopentyl-butanol-2 (X) results. There are 6 references: 4 Soviet, 1 US, and 1 British.

ASSOCIATION: Institut khimii Akademii nauk Tadzhikskoy SSR (Institute of Chemistry of the Academy of Sciences Tadzhikskaya SSR)

SUBMITTED: January 23, 1961

Card 3/3

40070

S/138/62/000/008/001/007
A051/A126

AUTHORS: Nikitin, V. I., Glazunova, Ye. M., Nagibina, T. D., Yasenkova, L. S., Alikberova, G. I., Grigina, I. N.

TITLE: Copolymers based on butadiene and glycols of the isopropenylacetylene row

PERIODICAL: Kauchuk i rezina, no. 8, 1962, 1 - 3

TEXT: The properties of copolymers containing a large number of hydroxyl groups were studied by investigating a copolymerization reaction between butadiene and glycols of the isopropenylacetylene row. The glycols used and produced by dehydration of the corresponding glycerines or by condensation of oxyketones with isopropenylacetylene, in the presence of potassium hydroxide, were: 2,3,6-trimethylheptene-6-in-4-diol-2,3 [glycol Г (G)], and 2-methyl-5(1-oxycyclopentyl)--hexene-1-in-3-ol-5 [glycol ЦГ (TsG)]. Experimental data showed the copolymer of butadiene and glycol G [ДГ-10 (DG-10)], to be non-soluble in ordinary organic solvents, and the copolymer of butadiene and glycol TsG [ДЦГ -10 (DTsG-10)], to be soluble in ether and benzene. The molecular weight of DTsG-10 (determined by

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the light diffusion method), is equal to 206,000. The Carrer hardness of DG-10 and DTsG-10, prior to mastication, is equal to 0.1 - 0.2. Further data revealed that DG-10 vulcanizates are superior to СКС-30 А (SKS-30A), and equal to СКН-26 (SKN-26) as to tensile strength, elasticity, thermal resistance, destruction resistance in repeated deformations. They are far superior to SKS-30A and SKN-26 and ДК-10 (DK-10) in fatigue strength during repeated compression. DTsG-10 vulcanizates are equal to rubbers of the serial SKS-30A rubber base in their main physical and mechanical properties, excepting crack growth resistance in repeated flextures. The former are superior to SKS-30A, SKN-26 and ДК-10 Х (DK-10Kh) in their resistance to repeated deformations of flexure. There is 1 table.

ASSOCIATION: Institut khimii Akademii nauk Tadzhikskoy SSR i Institut organicheskoy khimii Akademii Nauk SSSR (Institute of Chemistry of the Tadzhik SSR Academy of Sciences and Institute of Organic Chemistry of the USSR Academy of Sciences)

GLAZUNOV, Ya. N.

Dissertation [illegible] for the degree of candidate of chemical sciences at the Institute of Organic Chemistry [illegible] N. D. Zelinskiy in 1941:

"Dehydration of Tertiary Glycerins of the Acetylene Series and the Copolymerization of Dehydration Products with Divinyl."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1947, pages 113-114.

NIKITIN, V. I.; GLAZONOVA, Ye. N.; [illegible], L. N.; ZEL'MAN, [illegible]

Terminal trihydric alcohols of the [illegible] and [illegible] series and their transformations. Part [illegible]: Synthesis and [illegible] of [illegible]-methyl-4-octyne-[illegible],3,[illegible]-triol and [illegible]-methyl-4-octene-[illegible],3,[illegible]-triol. Zhur. org. khim. [illegible] 165

([illegible])

1. [illegible] [illegible] [illegible], 1964.

L 22441-66 EWT(m)/EWP(j)/T IJP(c) RM
ACC NR: AP6006362 (A) SOURCE CODE: UR/0413/66/000/002/0095/0095

AUTHOR: Nikitin, V. I.; Glazunova, Ye. M.; Nurnitskaya, K. A.; Nagibina, T. D.; Yagenkova, L. S.

ORG: none

TITLE: Preparation of synthetic rubber. Class 39, No. 178107

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 95

TOPIC TAGS: synthetic rubber, copolymerization, butadiene

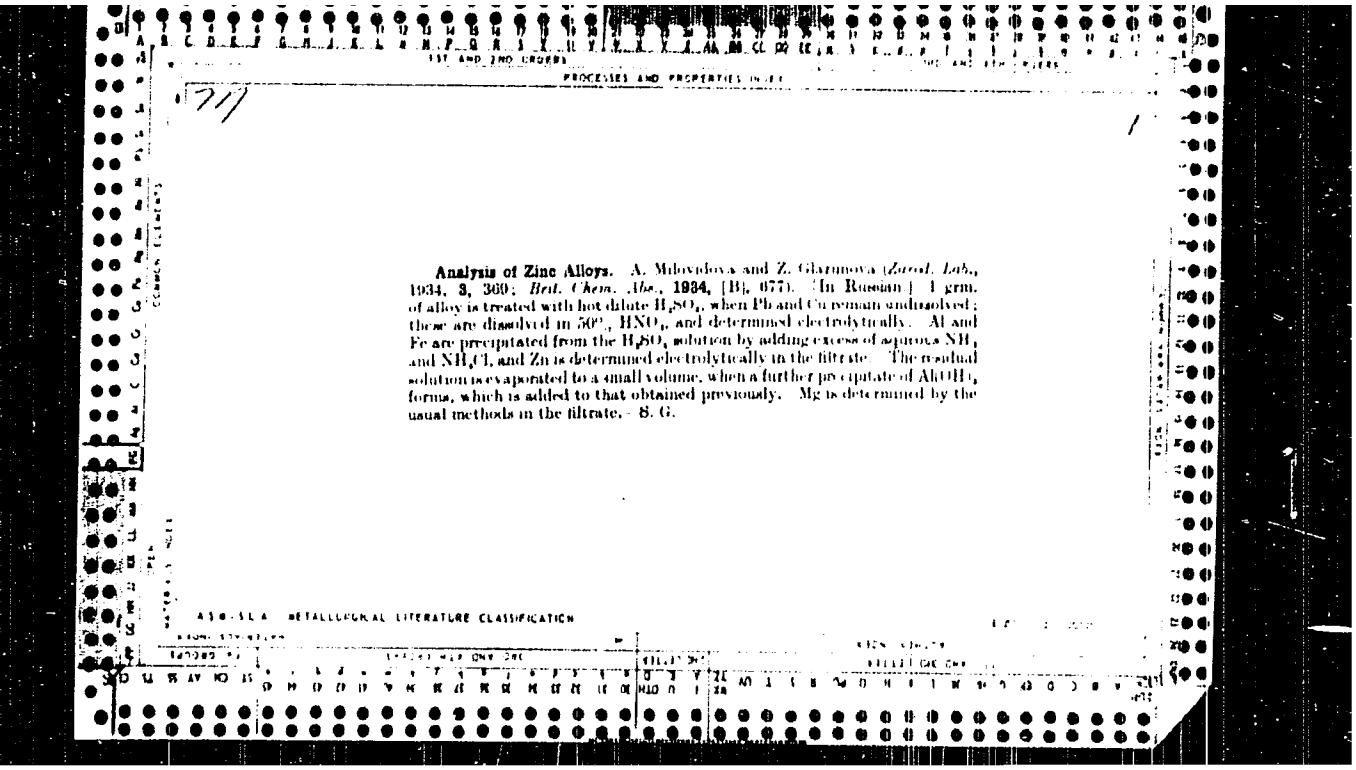
ABSTRACT: This Author Certificate concerns a method for preparing synthetic rubber by water-emulsion copolymerization of butadiene with vinylethynyl compounds at reduced temperatures in the presence of peroxide initiators. In order to increase the number of types of synthetic rubbers, 3,4,7-trimethylocten-7-yne-5-diol is proposed for use as a vinylethynyl compound. [LD]

SUB CODE: 11/ SUBM DATE: 15Jun64

Card 1/1 UDC: 678.762.2-136.93

GR'SIN, V.K.; GLAZUNOVA, Z.I.

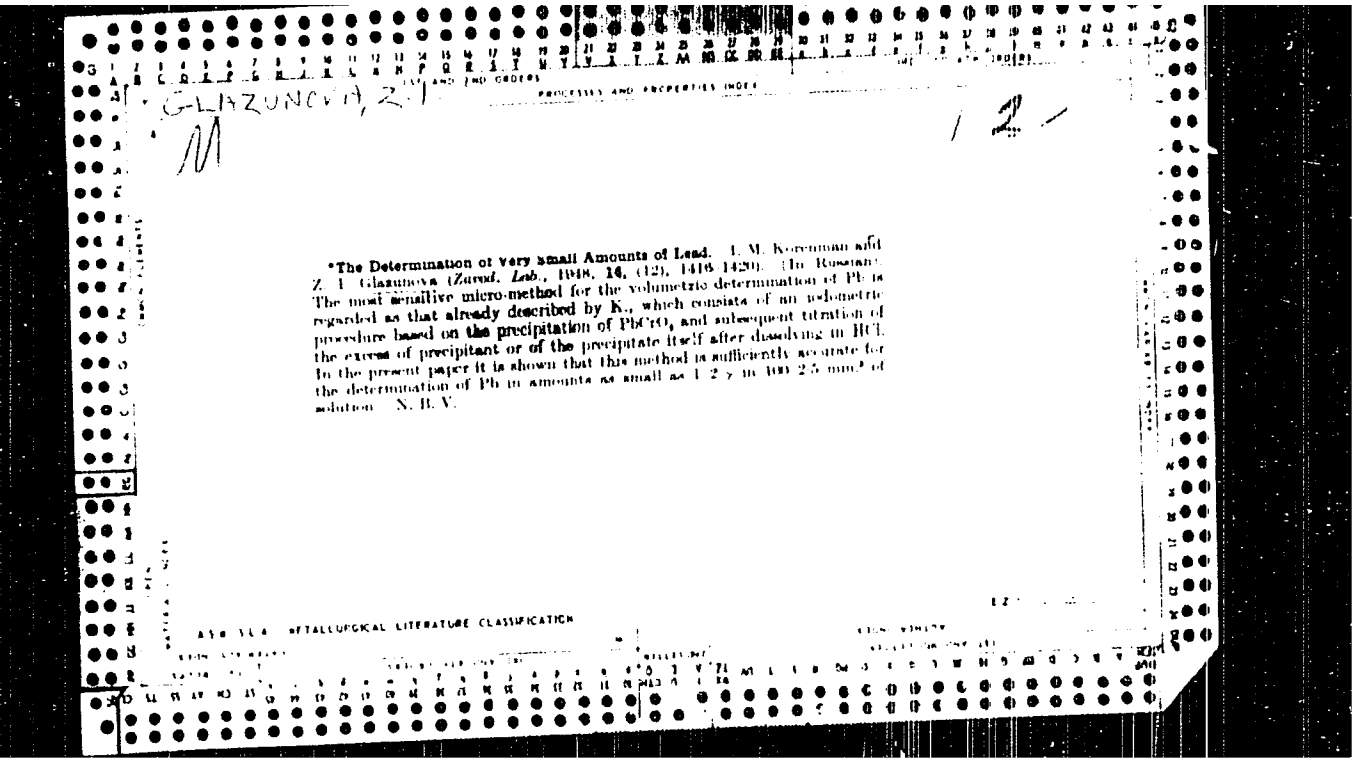
Brief news. Med. paras. i parazit. bol. 34 no.6:750-751 N-D '65. (MIRA 18:12)



Analysis of Zinc Alloys. A. Milovidova and Z. Glazunova (*Zavod. Lab.*, 1934, **3**, 360; *Brit. Chem. Abs.*, **1934**, [B], 677). [In Russian.] 1 grm. of alloy is treated with hot dilute H_2SO_4, when Pb and Cu remain undissolved; these are dissolved in 50% HNO_3, and determined electrolytically. Al and Fe are precipitated from the H_2SO_4 solution by adding excess of aqueous NH_4 and NH_4Cl, and Zn is determined electrolytically in the filtrate. The residual solution is evaporated to a small volume, when a further precipitate of $Al(OH)_3$ forms, which is added to that obtained previously. Mg is determined by the usual methods in the filtrate.—S. G.

Determination of carbon dioxide in cyanides. A. Bilovidova and Z. Glazunova. *Zavodskaya Lab.* 3, 460(1934). Ppt. CO_2 in the cyanide soln. with $Ba(NO_3)_2$ of known concn., dil. to a definite vol. with H_2O free from CO_2, filter an aliquot part of the soln. through a dry filter, det. Ba with H_2SO_4 and calc. CO_2. C. B.

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION



GLAZUNOVA, Z. I.

*The Determination of Very Small Amounts of Lead. I. M. Korenman and Z. I. Glazunova (Zavod. Lab., 1948, 14, (12), 1418-1420). (In Russian.) The most sensitive micro-method for the volumetric determination of Pb is regarded as that already described by K., which consists of an iodometric procedure based on the precipitation of $PbCrO_4$ and subsequent titration of the excess of precipitant or of the precipitate itself after dissolving in HCl. In the present paper it is shown that this method is sufficiently accurate for the determination of Pb in amounts as small as 1·2 γ in 100·2·5 mm.³ of solution.—N. B. V.

A1a V1a METALLURGICAL LITERATURE CLASSIFICATION

Glazunova, Z. I.

Composition of some difficultly soluble nitrocobaltiates and microdetermination of potassium. I. M. Korenman, P. R. Sheyanova, and Z. I. Glazunova. *Primenenie Mechanykh i Atomov v Anal. Khimii, Akad. Nauk S.S.S.R., Inst. Geokhim. i Anal. Khim.*, 1955, 29–30.—The compn. of K, Cs, Rb, and Tl cobaltinitrites, as affected by the concn. of these cations, time of contact, and acidity, was studied by using Co^{60}. The cobaltinitrite was used as Na, Ag, or Pb complex. As the concn. of K, Cs, and Rb in soln. decreased, their relative content in the ppt. also decreased. Only the compn. of $K_2AgCo(NO_2)_6$ remained fairly const. The compn. of $Tl_3Co(NO_2)_6$ ppt. remained const. Ppts. of K, Cs, and Rb remained unchanged regardless of the duration of their contact with the mother liquor. The Tl ppt. changed with time. As the concn. of AcOH in soln. increased the compn. of K, Pb cobaltinitrite approached $K_2PbCo(NO_2)_6$. Micromethods for detg. 0.5–0.1 mg. K as $K_2NaCo(NO_2)_6$ and 0.1–0.01 mg. K as $K_2AgCo(NO_2)_6$ are outlined.

M. Hoseh

SHEYANOVA, F.B.; TUMANOV, A.A.; GUSUNOVA, Z.I.; DEMIN, O.I., FILIPPOVA, N.-.; DUBROVSKAYA, T.F.; BOYKO, [redacted]

Brief reports. Zav. lab. 23 no.5:544 '57. (MIRA 10:8)
(Radioisotopes--Industrial applications)
(Chemistry, Analytical)

AUTHOR: Korenman, I. M., Glazunova, Z. I. SOV/75-14-[illegible]

TITLE: Co-Precipitation of Zinc With Complex Compounds Containing Pyridine (K voprosu o soosazhdenii tsinka piridinsoderzhashchimi kompleksnymi soyedineniyami)

PERIODICAL: Zhurnal analiticheskoy khimii, 19[illegible], Vol. [illegible], No. [illegible], pp. [illegible] (USSR)

ABSTRACT: In a previous paper the authors had discovered that zinc can be co-precipitated from precipitates of the form $[MeLy_2]X_2$ (Me...Cu^{2+}, Cd^{2+}, Ni^{2+}; X...SCN^-, Br^-) (Ref 1). In this an interrelationship was observed between the quantities of the macro- and micro-components in the solution before precipitation and the quantity of the co-precipitated micro-component in the precipitate. This interrelationship and a number of other problems were examined more closely in the paper under review. An analysis of the co-precipitation of zinc with $[CuPy_2](SCN)_2$ at a temperature of 15-17° showed that the ratio of the quantities of Cu^{2+} : Zn^{2+} in the precipitate only amounted to one sixth to one eighth of the corresponding ratio in the solution before precipitation. This relation remained

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rather constant in tests with varying contents of Cu^{2+} and Zn^{2+}. If the copper content in the initial solution is increased, also the content of zinc in the precipitate will increase, while it will decrease if the concentration of zinc in the initial solution is smaller. In both cases, however, the amount of co-precipitated zinc will decrease in comparison with the entire precipitate. This decrease depends on the ratio of $Cu^{2+} : Zn^{2+}$ in the solution before precipitation. In a logarithmic diagram the relationship between the zinc content in the precipitate and the ratio of $Cu^{2+} : Zn^{2+}$ in the initial solution is a straight line. This fact makes it possible to predict the extent of co-precipitation of zinc in the precipitation of $[CuPy_2](SCN)_2$ if the content of the components in the initial solution is known. Very analogous conditions were discovered in the co-precipitation of zinc with $[CdPy_2](SCN)_2$ and $[NiPy_2](SCN)_2$. Co-precipitation of zinc with $[CuPy_2]Br_2$ takes place to a small extent only; here the relationship be-

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tween the components in the initial solution and in the precipitate is no longer constant since the accuracy in the determination of the co-precipitated zinc is less. As to quality, however, the same interrelationship as in the co-precipitation of zinc with the above-mentioned complex thiocyanates could be established. As zinc is co-precipitated both by $\left[CuPy_2\right](SCN)_2$ and by $\left[CdPy_2\right]Br_2$ only to a small extent, this method can be used for the separation of zinc from copper and cadmium. The results of these separations were satisfactory in micro-determination. Copper and zinc may even be better separated by precipitation of copper as $\left[CuPy_2\right](SCN)_2$ at higher temperatures By this way, 200 γ of zinc can still be well separated from 1 000 γ of copper. The quantitative micro-determination of copper by precipitation by means of the above mentioned compounds (Ref 3) furnishes good results also with small amounts of zinc being present. It was discovered that for the quantitative determination of very small quantities of copper the titration of precipitated $\left[CuPy_2\right](SCN)_2$ with a solution of

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silver nitrate can be used. This method is considerably simpler and faster than the gravimetric determination. There is a detailed description in this paper of all experiments, as well as of the results achieved. There are 2 figures, 7 tables, and 3 references, 2 of which are Soviet.

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet im. N. I. Lobachevskogo (Gor'kiy State University imeni N. I. Lobachevskiy)

SUBMITTED: January 22, 1957

GLAZUNOVA, Z. I.

The Second All-Union Conference on the Preparation and Analysis of High-Purity Elements, held on 24-28 December 1963 at Gorky State University im. N. I. Lobachevskiy, was sponsored by the Institute of Chemistry of the Gorky State University, the Physicochemical and Technological Department for Inorganic Materials of the Academy of Sciences USSR, and the Gorky Section of the All-Union Chemical Society im. D. I. Mendeleyev. The opening address was made by Academician N. M. Zhavoronkov. Some 90 papers were presented, among them the following:

A. A. Tumanov, N. M. Shakhverdi, and Z. I. Glazunova. Spectrophotometric determination of microquantities of Se.

(Zhur Anal Khim, 19 no 6, 1964 pp 771-779)

G[illegible]EVA, [illegible]

[illegible] pathogenicity of Leishmania [illegible] following a 15-year maintenance of a culture. Med.paraz.i paraz.bol. 3[illegible] no.4:479-482 Jl-Ag '6[illegible]. (MIRA 18:3)

1. Otdel' meditsinskoy protozoologii Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Martsinovskogo Ministerstva zdravookhraneniya SSSR, Moskva.

GLAZUNOVA, Z.I.

Experimental study of superinfection in leishmaniasis of guinea pigs. Med. paraz. i paraz bol. 33 no.6:643-650 N-D '64. (MIRA 18:6)

1. Otdel protozoologii Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Martsinovskogo Ministerstva zdravookhraneniya SSSR, Moskva.

GLAZUNOVA, Z.I.

Allergic reactions in guinea pigs following repeated inoculation with Leishmania aethiopica. Med. parazit. i parazit. bol. 34 n. 5:582-585 S-O '65 (MIRA 18:11)

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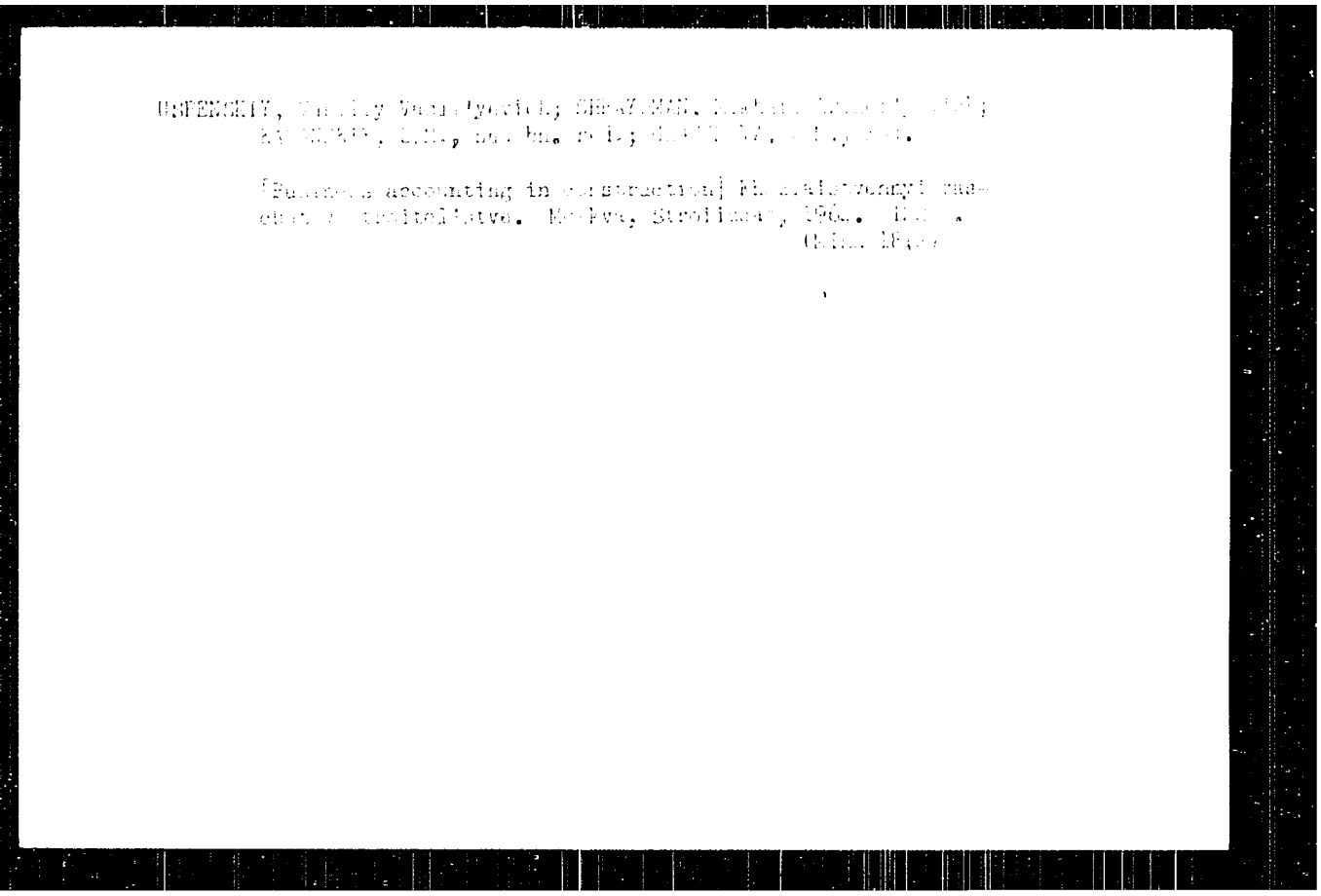
[illegible]; [illegible], [illegible].A.; GLAZUNOVA, Z.I.

Morphological and cytochemical study of lymph nodes and spleen in leishmaniasis in guinea pigs (Leishmania enriettii). Med. paraz. i paraz. bol. 34 no.6:708-712 N-D '65.

(MIRA 19:1?)

1. Otdel eksperimental'noy protozoologii Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo, Moskva. Submitted September 2, 1965.



SYCH, Marek; PIECH, Andrzej; GLAZUR, Janina, MOROZ, Janusz; SZLEZYNGER, Jozef; WECLAWOWICZ, Janusz; STEFANKO, Stanislaw; LADZINSKI, Kazimierz

Clinical and experimental studies on the use of fluothane in general anesthesia. Pol. przegl. chir. 35 no.10 [11] 1044-1048 '63.

1. Z I Kliniki Chirurgicznej AM w Krakowie Kierownik: prof. dr J. Bogusz z Oddziału Chirurgicznego Szpitala Wojskowego w Krakowie Ordynator: płk. dr A. Bielas z Pracowni Anatomo-patologicznej Szpitala Wojskowego w Krakowie Kierownik: mjr doc. dr S. Stefanko z Kliniki Neurochirurgicznej AM w Krakowie Kierownik: prof. dr A. Kunicki.

(ELECTROENCEPHALOGRAPHY)
(LEUKOCYTE COUNT)
(ELECTROCARDIOGRAPHY)
(EPINEPHRINE) (PHARMACOLOGY)
(BLOOD PRESSURE)

GLAZUNOVA, A.N.

Experimental study of the frost resistance of some exotic trees in the southern Crimea. Bull. Glav. bot. sada no.34:16-19 '64. (MIRA 17:11)

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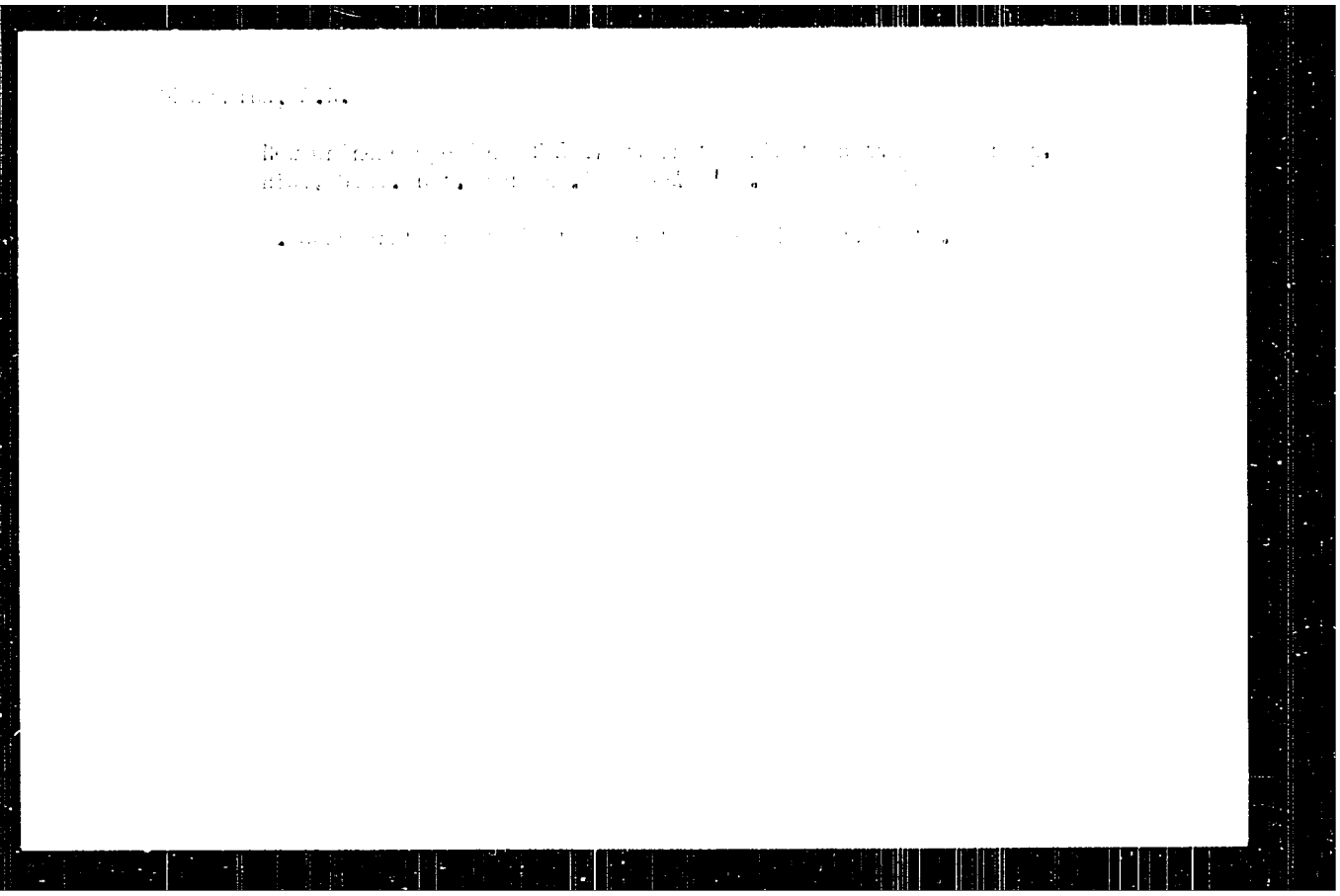

GLAZ'YEV, I.

Active workers spread their wings. Za rul. 21 no.1:8 Ja '63.
(MIRA 16:1)

1. Predsedatel' Federatsii avtomotosporta UkrSSR, Kiyev.
(Ukraine--Automobile racing) (Ukraine--Motorcycle racing)

GLAZ'YEV, N.I., inzh.

Theoretical and experimental investigations of the pneumatic seeding apparatus of a planter. Trakt. i sel'khozmash 33 no.11:22-25 N '63. (MIRA 17:9)

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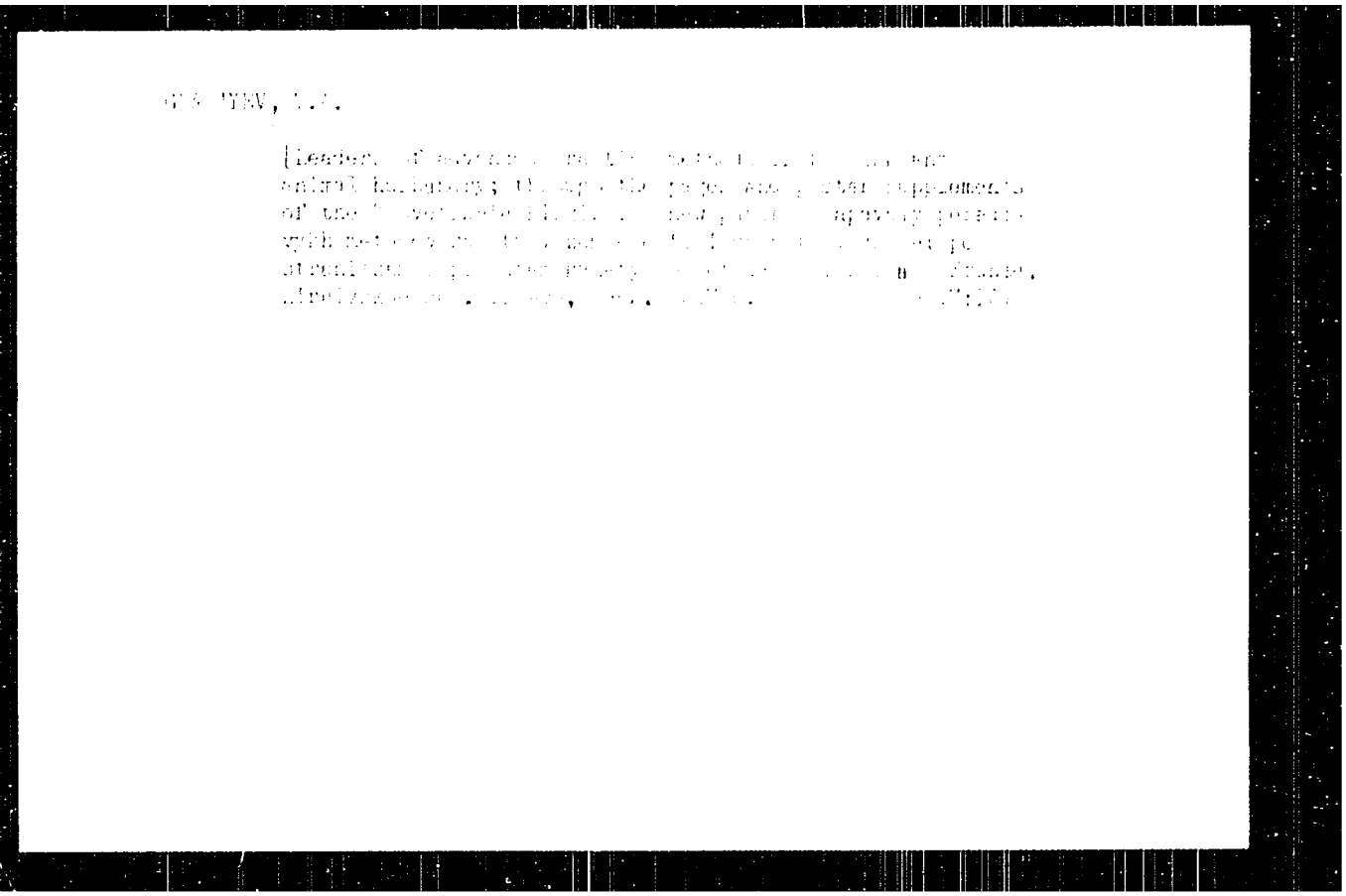
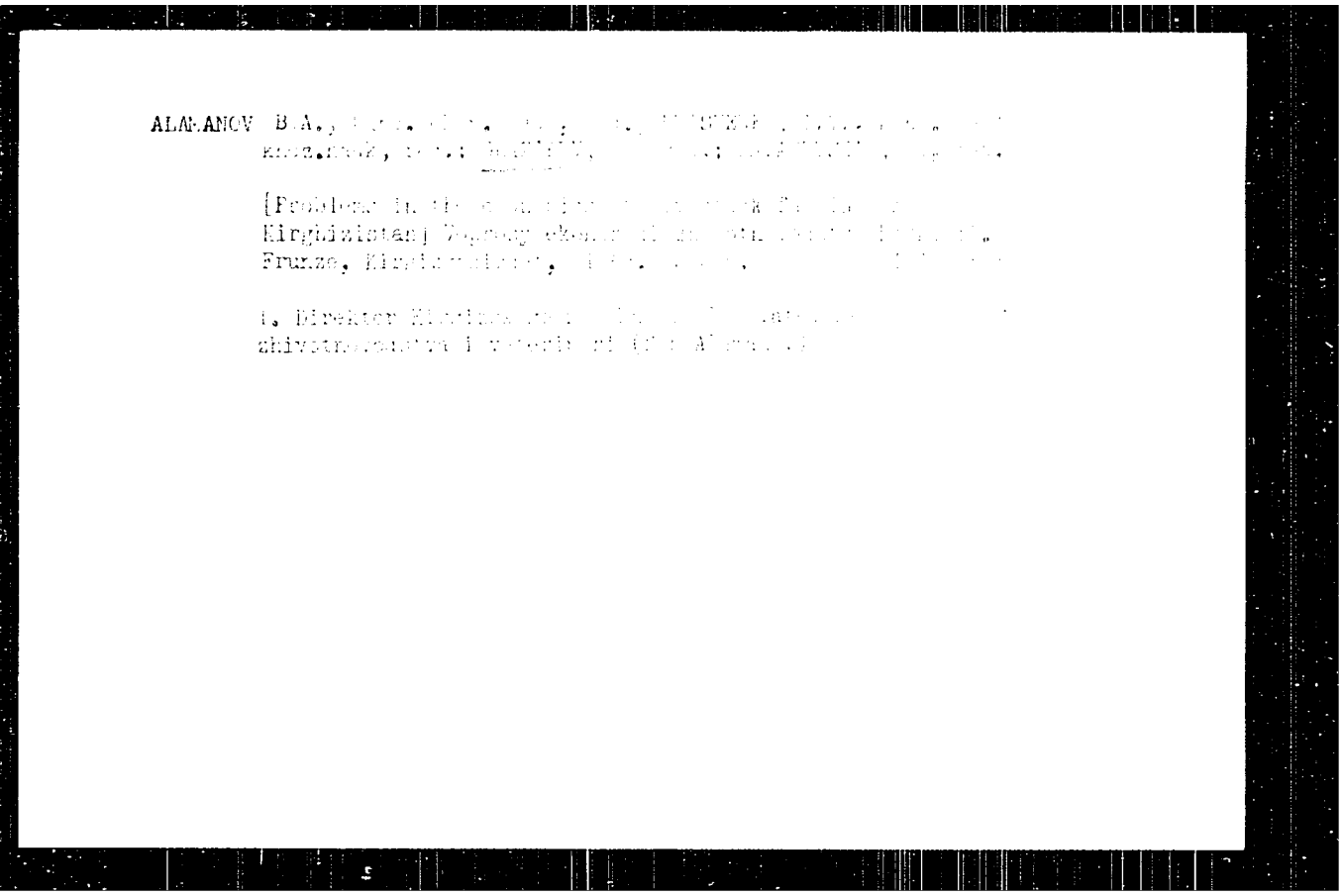




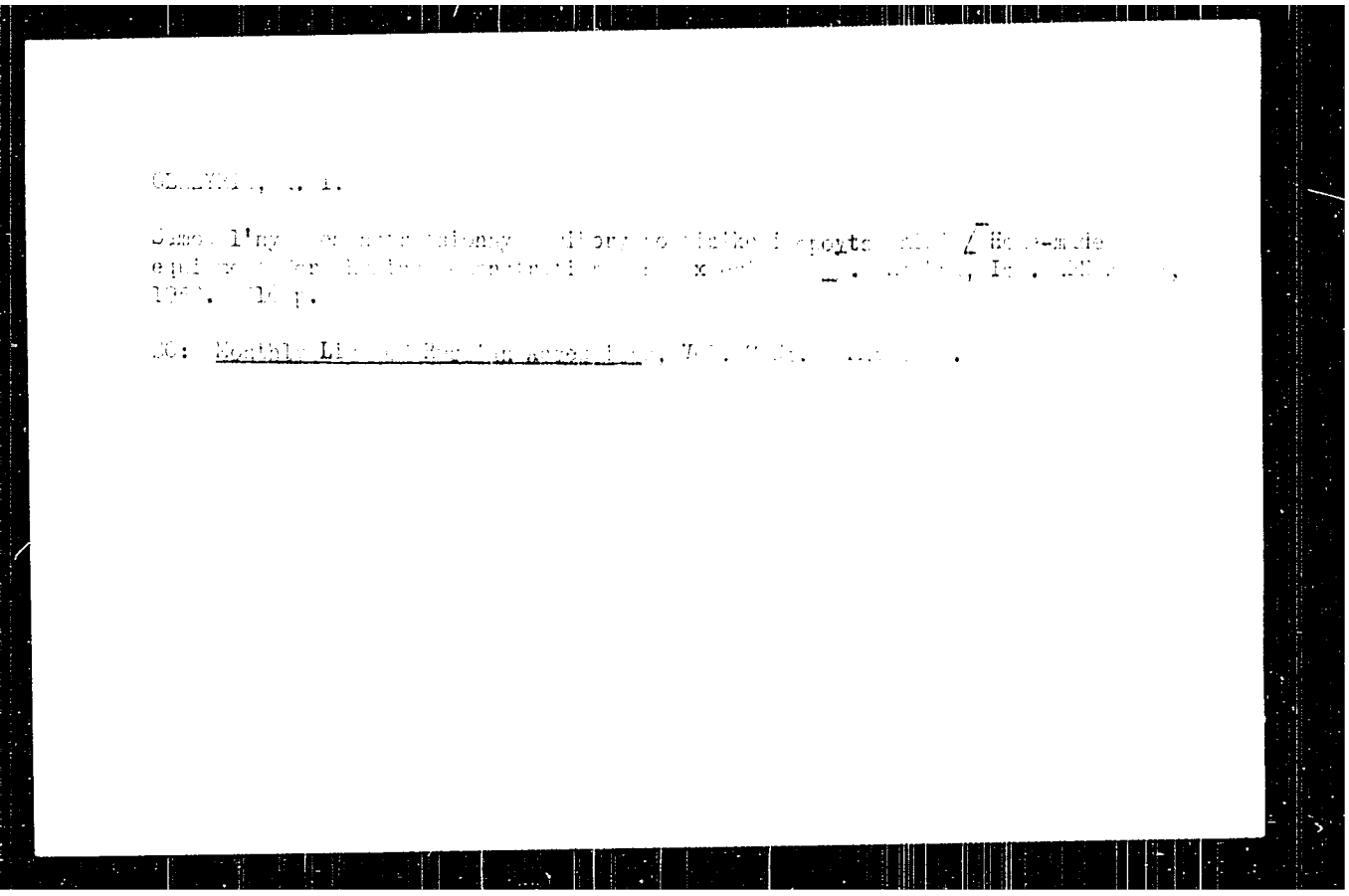
ALAMANOV B.A.,

[Problems in the [illegible] Kirghizistan] Voprosy ekonomiki [illegible]. Frunze, Kirgizgosizdat, [illegible].

1. Direktor Kirgizskogo [illegible] arkhivnogo [illegible]

GLAZ'YEV, Vitaliy Aleksandrovich; TKACHENKO, A., red.

[Svetlichnyi's followers in Chatkal'; overall mechanization of sugar beet growing to the new technology] Chatkul'skie svetlichnye; kompleksnaia mekhanizatsiia vozdelyvaniia sakharnoi svekly po novoi tekhnologii. Frunze, Izd-vo "Kyrgyzstan," 1964. 55 p. (MIRA 18:3)



1. LAZYRIN, A. I.

2. USSR 600

4. Physics - Study and Teaching

7. Kinematic model of a steam engine, Fiz. v shkole, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

GLAZYRIN, A.I. (Moscow).

Experiments in electromagnetism (VIIth class). Fiz. v shkole 13 no.3:40-46 My-Je '53. (MLRA 6:6)
(Electromagnetism)

GLAZYRIN, A.I.

LOSHAKOV, N.I. (Moscow); SHAKHMAYEV, N.M.

A useful book: "Home-made physical instruments." A.I.Glazyrin. Reviewed by N.M.Shakhmaev, N.I.Loshakov. Fiz. v shkole 14 no.4: 80-82 Jl-Ag '54. (MLRA 7:7)
(Physical instruments) (Glazyrin, A.I.)

POKROVSKIY, Aleksandr Andreyevich; GLAZYRIN, Aleksandr Ivanovich; DUBOV, Aleksandr Grigor'yevich; ZVORYKIN, Boris Sergeyevich; SHURKHIN, Seren Abramovich; MIKHALKEVICH, T.V., redaktor; TSYPPO, R.V., tekhnicheskiy redaktor

[Demonstrative experiments in physics for classes 6 and 7 of the secondary schools; teacher's manual] Demonstratsionnye opyty po fizike v VI-VII klassakh sredniei shkoly; posobie dlia uchitelia. Pod red. A.A.Pokrovskogo. Izd. 2-oe. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1956. 270 p. (MLRA 9:12)
(Physics--Experiments)

POKROVSKIY, Aleksandr Andreyevich; GLAZYRIN, Aleksandr Ivanovich; DUBOV, Aleksandr Grigor'yevich; ZAVORYKIN, Boris Sergeyevich; SHURKHIN, Semen Abramovich; MIKHALKEVICH, T.V., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor

[Practical work in physics for senior classes of secondary schools; a manual for teachers] Praktikum po fizike v starshikh klassakh srednei shkoly; posobie dlia uchitelia. Pod red. A.A.Pokrovskogo. Izd. 3-e, ispr. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1956. 288 p. (MLRA 9:10)

(Physics—Problems, exercises, etc.)

GLAZYRIN, A.I. (Moskva)

Models for machine-shop practice. Fiz. v shkole 16 no.2: 47-56 Mr-Ap '56. (MLRA 9:6)
(Machine-shop practice) (Machinery--Models)

BELOGORSKAYA, N.I.; GALININ, D.D.; GORYACHKIN, Ye.N.; GLAZYRIN, A.I.; DUBOV, A.G.; YEVROPIN, Yu.P.; YENOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KRAUKLIS, V.V.; LAVROVSKIY, K.F.; MENSHUTIN, N.F.; MINCHENKOV, Ye.Ya.; NABOKOV, M.Ye.; PERYSHKIN, A.V.; POPOV, P.I.; POKROVSKIY, A.A.; REZNIKOV, L.I.; SAKHAROV, D.I.; SOKOLOV, I.I.; SOKOLOVA, Ye.N.; KVENCHIK, E.Ye.; YUS'KOVICH, V.F.

Sergei Nikolaevich Zharkov. [Obituary]. Fiz.v shkole 16 no.3:94-95 My-Je '56. (Zharkov, Sergei Nikolaevich, 1883-1956) (MIRA 9:7)

GLAZYRIN, Aleksandr Ivanovich; KOZYR', Ivan Vasil'yevich; PARMENOV, Konstantin Yakovlevich; FIALKINA, G.A., redaktor; SOKOLOVA, E.Ya., tekhnicheskiy redaktor; LAUT, V.G., tekhnicheskiy redaktor

[Study room for natural sciences (physics, chemistry, and biology) in a seven-year school] Kabinet estestvoznaniia (fiziki, khimii, biologii) v semiletnei shkole. Pod obshchei red. K.IA. Parmenova. Izd. 2-oe, perer. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1957. (MIRA 10:10) 312 p.

(Natural history--Study and teaching)

POKROVSKIY, Aleksandr Andreyevich. Prinimali uchastiye: GLAZYRIN, A.I., nauchnyy sotrudnik; DUBOV, A.G., nauchnyy sotrudnik; ZVORYKIN, B.S., nauchnyy sotrudnik; SHURKHIN, S.A., nauchnyy sotrudnik; KUZ'MIN, A.P., glavnyy konstruktor; MIKHALKEVICH, T.V., red.; TSYPPO, R.V., tekhn.red.

[Equipment of a physical laboratory; teacher's manual] Oborudovanie fizicheskogo kabineta; posobie dlia uchitelia. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1958. 422 p. (MIRA 12:7)

1. Upravleniye uchebno-tekhnicheskoy promyshlennosti.
(Physical laboratories--Equipment and supplies)

POKROVSKIY, A.A., kand.pedagog.nauk, starshiy nauchnyy sotrudnik; BUROV, V.A., uchitel'; GLAZYRIN, A.I., starshiy nauchnyy sotrudnik, pensioner; DUBOV, A.G., starshiy nauchnyy sotrudnik; ZVORYKIN, B.S., nauchnyy sotrudnik;KAMENETSKIY, S.Ye., uchitel'; KOSTIN, G.N., prepodavatel'; MIRGORODSKIY, B.Yu., uchitel'; OREKHOV, V.P., prepodavatel'; ORLOV, P.P., prepodavatel'; RAZUMOVSKIY, V.G., aspirant; RUMYANTSEV, I.M., aspirant; TERENT'YEV, M.M., prepodavatel'; KHOLYAPIN, V.G., prepodavatel'; SHAKHMAYEV, N.M., nauchnyy sotrudnik, uchitel'; VOYTENKO, I.A., uchitel' srednoy shkoly, pensioner; STAROSTIN, I.I., prepodavatel'; MOGILKO, A.D., aspirant; SEMAKIN, N.K.; KOPTEKOVA, L.A., red.; LAUT, V.G., tekhn.red.

[New school equipment for use in physics and astronomy.] Novye shkol'nye pribory po fizike i astronomii. Pod red. A.A.Pokrovskogo. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1959. 161 p. (MIRA 12:11)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut metodov obucheniya. 2. Laboratoriya metodiki fiziki Instituta metodov obucheniya Akademii pedagogicheskikh nauk RSFSR (for Pokrovskiy). 3. Srednyaya zheleznodorozhnaya shkola st.Kratovo, Moskovskoy oblasti (for Burov). 4. Institut metodov obucheniya Akademii pedagogicheskikh nauk (for Glazyrin, Dubov, Razumovskiy, Rumyantsev).

(Continued on next card)

POKROVSKIY, A.A.---(continued) Card 2.

5. Institut metodov obucheniya Akademii pedagog.nauk; srednyaya shkola No.315 Moskvy (for Zvorykin). 6. Srednyaya shkola No.212 Moskvy (for Kamenetskiy). 7. Krasnodarskiy pedinstitut (for Kostin). 8. Srednyaya shkola No.18 g.Sumy (for Mirgorodskiy). 9. Ryazanskiy pedinstitut (for Orekhov). 10. Stalingradskiy pedinstitut (for Orlov). 11. Moskovskiy gorodskoy pedinstitut; srednyaya shkola No.[illegible] Moskvy (for Tarant'yev). 12. Balashovskiy pedinstitut (for Kholyapin). 13. Institut metodov obucheniya Akademii pedagog.nauk; srednyaya shkola No.315 Moskvy (for Shukhmayev). 14. Moskovskiy pedinstitut im. V.I.Lenina (for Starostin). 15. Pedinstitut im. V.I.Lenina v Moskve (for Mogilko). 16. Zaveduyushchiy narodnoy astronomicheskoy observatoriyey Dvortsa kul'tury Moskovskogo avtozavoda im. Likhacheva (for Semakin).

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GLAZYRIN, M.P.; SOTIYEV, A.A.

Optical properties of sodium vanadate crystals. Kristallografiia 9 no.2:287-289 Mr-Ap'64. (MIRA 17:5)

1. Institut khimii Ural'skogo filiala AN SSSR.

GLAZYRIN, M.P.; FOTIYEV, A.A.

Optical study of compounds formed in the system K_2O--V_2O_5.
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1. Ural'skiy filial AN SSSR, Institut khimii.

GLAZYRIN, M.P.; IVAKIN, A.A.

Crystallographic and optical characteristics of vanadates of some rare earth elements. Kristallografiia 9 no.6:927-928 N-D '64. (MIRA 18:2)

1. Institut khimii Ural'skogo filiala AN SSSR.

GLAZYRIN, M.P.; FOTIYEV, A.A.

Optical study of sodium titanates. Kristallografiia 10 no.2: 256-257 Mr-Ap '65. (MIRA 18:7)

1. Institut khimii Ural'skogo filiala AN SSSR.

L 4270-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD/JG/GG
ACCESSION NR: AP5024568 UR/0070/65/010/005/0761/0764
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AUTHOR: Glazyrin, M. P.

TITLE: Some optical properties of alkali metal vanadates

SOURCE: Kristallografiya, v. 10, no. 5, 1965, 761-764

TOPIC TAGS: vanadate, lithium compound, sodium compound, potassium compound, rubidium compound, cesium compound, crystal optic property

ABSTRACT: The paper examines the optical properties of Li, Rb, and Cs metavanadates and Li orthovanadate, the dependence of refractive indices N_p on the mole % content of Me_2O in the composition of the V_2O_5-Me_2O system (where Me = Li, Na, K), and the variation in refraction and birefringence with the cationic radius in the series of alkali metal metavanadates. The following properties of $LiVO_3$, $NaVO_3$, KVO_3, $RbVO_3$, and $CsVO_3$ are tabulated: system, most frequently encountered form, cleavage, optical orientation, refractive indices, birefringence, angle between optic axes, dispersion, color. It was found that as the mole % of content of Me_2O rises, the refractive indices of the compounds in the V_2O_5-Me_2O system decrease; in the series V_2O_5-$MeVO_3$-Me_3VO_4 a linear dependence is observed, and for the compounds $Me_4V_2O_7$ (where Me = Na,

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K) and $K_{32}V_{18}O_{61}$ only slightly divergent values were obtained. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Institut khimii Ural'skogo filiala AN SSSR (Institute of Chemistry, Ural Branch, AN SSSR) 44,55

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