"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.D.

N.M. Selivanov; obituary. Zhur.nauch.i prikl.fot.i kin. 2 no.4:315 Jl-Ag '57. (MIRA 10:7)
(Selivanov, Nikolai Maksimovich, 1892-1957)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.; SIMKINA, A.B.

Investigating the interaction of sodium benzenesulfonate with silver ions and silver bromide. Usp. nauch. fot. vol.5:75-80 '57.
(Benzenesulfonic acid) (Silver) (MLRA 10:6)
(Silver bromide)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.; SIMKINA, A.B.

Investigating 5-methyl-7-hydroxy-1,3,4-triazoindolizine ("sta" salt) and its reactions with silver ions and silver bromide. Usp. nauch. fot. vol.5:81-94 '57. (MIRA 10:6)
(Pyrrocoline) [redacted] (Silver bromide)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

PAVLOVA, V.A.; FAYERMAN, G.P.

Interaction of di-(phenyltetrazole) disulfide and phenylmercaptotetrazole with silver ions. Usp. nauch. fot. vol.5:95-106 '57.
(Tetrazole) (Mercapto compounds) (Silver) (MIRA 10:6)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.; KOZEYA, V.S.

Photographic action of 2-mercaptobenzoxazole. Usp. nauch. fot. vol.5: 107-113 '57. (MLRA 10:6)

(Benzoxazole) (Mercapto compounds)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.; PLETNEV, A.P.

[redacted]

Study of the speeds of the reduction of silver bromide and of silver salts of the photographic stabilizers. Usp. nauch. fot. vol.5:114-126 '57. (MIRA 10:6)

(Photographic chemistry) (Silver bromide) (Silver salts)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.

20-2-33/60

AUTHORS: Veprik, Ya. M., Fayerman, G. P.

TITLE: Determination of the Oxidizing-Reducing Potentials of p-Oxyphenylglycine (Opredeleniye okislitel'no-vosstanovitel'nykh potentsialov p-oksifenilglitsina)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 2, pp.354-357 (USSR)

ABSTRACT: There does not yet exist any generally accepted interpretation of the mechanism and of the mathematical interrelationships of the process of photographic development. Unlike other interpretations, the so-called "electrochemical" theory of development offers explanations that are not only of a qualitative character but also permit, in principle, a quantitative verification. For this purpose, one must know the values of the electrochemical potentials of the silver particles of the photograph to be developed, further also the values of the oxidizing-reducing potentials of the developers at different pH in presence of the other developer components. As the measurement of the potentials of the developers is difficult,

Card 1/4

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

20-2-33/60

Determination of the Oxidizing-Reducing Potentials of p-Oxyphenylglycine

the authors of the paper under review set themselves the task of experimental determination, at different values of pH, of the oxidizing-reducing potentials of p-oxyphenylglycine ("glycine"). This substance is used in photography and it represents a structural analogon of the well investigated methol and p-aminophenol. The measurements were carried out by oxidation titration with a smooth platinum electrode in pure nitrogen atmosphere. In an acid medium, the $Ce(SO_4)_2$ solution was used as oxidizer, whereas in an alkaline medium the $K_3[Fe(CN)_6]$ solution was used for that purpose. In the acid medium the curve of titration showed two potential jumps. On the other hand, only one jump existed at a retitration. The first jump corresponds to the two oxidation equivalents of the cerium sulphate IV, whereas the second jump (in the acid medium) and the only jump in the alkaline medium corresponds to the four equivalents. Both on the first and on the second oxidation stage the oxidized form remains unchanged for some time. The reaction of oxidation has a reversible course. The paper under review contains a possible scheme of this reaction. The authors of the present paper have determined that the reduction reaction of $AgNO_3$ by p-oxyphenylglycine in the acid medium takes place faster than by methol and p-aminophenyl.

Card 2/4

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

20-2-33/60

Determination of the Oxidizing-Reducing Potentials of p-Oxyphenylglycine

It is known from photographic experience that the alkaline glycine developer works slower than the developer with the two latter substances. Thus the experiments described in this paper resulted in the determination of exactly such relations of the reaction velocities of the silver ion reduction which could be expected from the point of view of the electrochemical theory of development. There are 3 figures, and 11 references, 5 of which are Soviet.

ASSOCIATION: Leningrad Institute for Cinematographic Engineering (Leningradskiy institut kinoinzhenerov)

PRESENTED: September 20, 1956, by A. N. Terenin, Member of the Academy

SUBMITTED: September 17, 1956

Card 3/4

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

20-2-33/60

Determination of the Oxidizing-Reducing Potentials of p-Oxyphenylglycine

AVAILABLE: Library of Congress

Card 4/4

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

GODINA, D.A.; SAVKO, S.S.; FAYERMAN, G.P.

Polarization and its use in stereoscopic printing and projection. Zhur. nauch. i prikl. fot. i kin. 3 no.1:47-50 Ja-F '58. (MIRA 11:2)

1.Gosudarstvennyy opticheskiy institut im. S.I. Vavilova.
(Photography, Stereoscopic)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

AUTHORS: Veprik, Ya.M.; Fayerman, G.P. SOV-77-3-5-5/22

TITLE: The Photography Action of Paraoxyphenyl Glycine in the Light of the Electrochemical Development Theory (Fotograficheskoye deystviye paraoksifenilglitsina v svete elektrokhimicheskoy teorii proyavleniya)

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1958, Vol 3, Nr 5, pp 245-350 (USSR)

ABSTRACT: To check Shishkina's theory that linear dependence between the image density and the pH of the developer exists, the author investigated the development speed of a glycine developer at various pH values from 1.0 to 11.0. As predicted by the electrochemical development theory, there proved to be a linear relationship between the density of the developed image, the pH of the developer and the logarithm of the concentration of developing substance in it. Glycine and methol developers, reduced to the same oxidizing-reducing potentials, were compared and gave practically identical results for both chemical and physical development. Paraoxyphenylglycine develops more slowly than methol in an alkaline medium, and faster in an acid one. Development in a paraoxyphenyl glycine physical developer given a sensitivity

Card 1/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

SOV-77-3-5-5/21

The Photography Action of Paraoxyphenyl Glycine in the Light of the Electrochemical Development

of only 6-10 times less and a contrast of 2.5-3 times more than in a standard chemical developer. There are 9 graphs, 1 table and 10 references, 9 of which are Soviet and 1 American.

ASSOCIATION: Leningradskiy institut kinoinzhenerov (The Leningrad Institute of Motion Picture Engineers)

SUBMITTED: February 21, 1957

1. Photographic emulsions--Theory 2. Photographic emulsions --Electrochemistry

Card 2/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

AUTHORS: Godina, D.A. and Fayerman, G.P. SOV/51-5-3-6/21

TITLE: Investigation of the Absorption Spectra of Herapathite Crystals (Issledovaniye spektrov pogloshcheniya kristallov gerapatita)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 3, pp 276-281 (USSR)

ABSTRACT: The authors measured the thicknesses, absorption spectra and polarizations of thin flat crystals of herapathite containing various amounts of iodine and they found also the refractive indices of these crystals. The authors used Balabukh's spectrophotometric apparatus (Ref 4) which was slightly modified (Fig 1). The measured crystal was illuminated with linearly polarized light, monochromatic within 50 Å. A polyvinyl alcohol filter was used as the polarizer. The thicknesses of crystals (0.2-2.0 μ) were measured using Linnik's interferometer (Ref 5) in white light (mean λ = 560 mμ). The accuracy of thickness measurement was of the order of λ/4. The herapathite crystals were prepared by slowed-down reactions. According to the conditions of the synthesis one could obtain crystals with the composition $4Ch.3H_2SO_4.2HI.2I_2.H_2O$ (quinine sulphate polyiodide) which had the ratio $I_2/HI = 1$ and were red in colour, or lilac crystals which

Card 1/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

had the ratio $I_2/HI > 1$. Table 1 gives the optical densities for three lilac crystals of the same thickness (0.28 μ) which were prepared under the same conditions. This table gives also the variations of the optical density D for a given wavelength (ΔD). Figs 2 and 3 and Table 2 give the absorption results for red crystals of various thicknesses. With increase of crystal thickness the boundary of the spectral transmission and the degree of polarization are displaced towards longer wavelengths and the monochromatic radiation is absorbed in accordance with Buger's law (zakon Bugera). The variations of the calculated values of the absorption coefficient lie within the experimental error. Table 3 gives the optical densities and the refractive indices of red and lilac crystals of the same thickness (0.42 μ). Table 3 shows that absorption in lilac crystals is much higher than that in red crystals. Lilac crystals lose iodine when kept in air and, without any change in the form, become red in colour (Fig 4). The absorption coefficients of these crystals approach then the corresponding values of the red crystals. If such a "reddened" crystal is placed in iodine vapour for one minute it becomes lilac again and its former properties return (Fig 5). The dependence of the optical density D on the thickness of lilac crystals is given in Fig 6 and Table 4.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

SOV/51-5-3-8/21

Investigation of the Absorption Spectra of Herapathite Crystals

The latter table gives also the calculated values of the absorption coefficient for these lilac crystals. The observed results may be explained if we assume that the absorption by lilac crystals consists of two components: one which varies with the crystal thickness according to Buger's law and is determined by the properties of the lattice of red crystals, and a second component which is constant and is due to a layer of molecular iodine which, it is suggested, is adsorbed on lilac crystals. This adsorbed layer produces the lilac colour and changes the chemical composition of the crystal making the ratio I_2/HI greater than 1. There are 6 figures, 4 tables and 5 references, 5 of which are Soviet.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S.I. Vavilova (State Optical Institute imeni S.I. Vavilov)

SUBMITTED: November 1, 1957

3/3

1. Herapathite crystals--Spectra 2. Herapathite crystals--Growth 3. Herapathite crystals--Optical properties 4. Polarizing filters--Applications

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

AUTHORS: Godina, D.A. and Fayerman, G.P. SOV/51-5-3-9/21

TITLE: On the Dichroism of Crystalline Iodine (O dikhroizme kristallicheskogo yoda)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 3, pp 282-285 (USSR)

ABSTRACT: Jörgensen (Ref 1) and Bovis (Ref 4) ascribed the dichroism of herapathite (quinine sulphate polyiodide) to the dichroism of iodine contained in it. To check this hypothesis the present authors measured the absorption spectra and polarizations of thin layers of crystalline iodine in the visible region. These measurements were made using the apparatus described in Ref 6. Thin transparent plates of crystalline iodine were prepared by the method of Wahl (Ref 3) and Bovis (Ref 4), i.e. by melting iodine and crystallizing it between two very closely spaced glass plates. The layers obtained were about 0.5 μ thick, but their thickness could not be measured exactly because of deformation of the glass plates in the process of preparation of these layers. The absorption spectra were measured in linearly polarized light at positions of maximum and minimum transmission, which corresponded to the parallel and perpendicular positions of the polarization planes of the polarizer and the iodine crystal. An

Card 1/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

iodine--polyvinyl filter was used as the polarizer. Since it was not possible to determine the thickness of the crystals exactly, the absolute values of the absorption coefficient for the ordinary and extraordinary rays could not be found. Measurements of transmission in non-polarized light produces results which are similar to those obtained by Bovis (Ref 4), as shown by curves 1 and 2 in Fig 1. The dichroism of the crystals produced by the authors was considerably higher (Fig 2, curves a) than that of Bovis's crystals (Fig 2, curves b). Table 1 gives the wavelength dependence of the degree of polarization of the crystals prepared by the present authors. Under the same conditions of crystallization the absorption and the polarization of iodine crystals increases with their thickness (Fig 3 and Table 2). The dichroism of iodine crystals increases with the number of crystallites which are oriented in such a way that their optical axes

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

On the Dichroism of Crystalline Iodine SOV/51-5-3-9/21

are parallel to each other. Fig 4 compares the transmission of red herapathite (curves 1) and iodine crystals (curves 2). This figure shows that the dichroism of herapathite crystals is due to iodine molecules oriented inside the herapathite crystal. There are 4 figures, 2 tables and 7 references, 2 of which are Soviet.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S.I. Vavilova (State Optical Institute imeni S.I. Vavilov)

SUBMITTED: November 1, 1957

Card 3/3 1. Herapathite crystals--Color 2. Iodine crystals--Color 3. Iodine crystals--Growth 4. Thin layers--Spectrographic analysis 5. Polarizing filters--Materials

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

KRAVETS, Torichan Pavlovich [deceased]; SMIRNOV, V.I., akademik, red.; TERENIN, A.N., akademik, red.; GOROKHOVSKIY, Yu.N., red.; NEPORENT, B.S., red.; SAVOST'YANOVA, M.V., red.; TOPORETS, A.S., red.; FAYERMAN, G.P., red.; SAZONOV, L.S., red.izd-va; ZENDEL', M.Ye., tekhn.red.

[Works in physics] Trudy po fizike. Moskva, Izd-vo Akad.nauk SSSR, 1959. 339 p. (MIRA 12:8)

1. Chlen-korrespondent AN SSSR (for Kravets).
(Kravets, Torichan Pavlovich, 1876-1955) (Physics)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

05459

SOV/120-59-3-30/46

AUTHORS: Veprik, Ya. M., Protsanova, S. P. and Fayerman, G. P.

TITLE: Minimum Ionization Particle Tracks Obtained by the Physical Development Method (Polucheniye izobrazheniya sledov chastits s minimal'noy ionizatsiyey metodom fizicheskogo proyavleniya)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 3, pp 128-129 + 1 plate (USSR)

ABSTRACT: The authors have attempted to use the n-oxyphenyl glycin physical developer to detect minimum ionization tracks in NIKFI-R nuclear emulsions. It was found that this method may be used to improve the energy discrimination between minimum ionization particles and to reduce the γ-ray background. The method has been used with 15 and 200 Mev protons and 300 Mev π^+ mesons in NIKFI-R emulsions 200 μ thick. The films were first immersed in distilled water for 15-20 min at 10°C (all the other stages were also carried out at this temperature). The films were then placed in the following chemical developer for a short time:

Water (50°C) - 750 mℓ,

Na_2SO_3 (anhydrous) - 12.5 g,

Card 1/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

05459
SOV/120-59-3-30/46

Minimum Ionization Particle Tracks Obtained by the Physical Development Method

K_2CO_3	- 25.0 g
n-oxyphenyl glycin	- 5.0 g
cold water	- up to 1 ℓ.

This developer was activated by the addition of 0.1 g/ℓ of "phenidon". The films were then placed in a stop-bath (0.5% CH_3COOH solution) and subsequently carefully washed and fixed in the following fixer:

Ha_2CO_3 (anhydrous)	- 1 g,
Na_2SO_3 (anhydrous)	- 5 g,
$Na_2S_2O_3 \cdot 5H_2O$	- 300 g,
Water	- 700 mℓ.

The films were fixed for 70 min and then washed again. They were then developed in physical n-oxyphenyl glycin developer for 20 min. Subsequently they were washed again and dried in water alcohol solutions until they assumed their original dimensions. Fig 1 shows a comparison of the result of chemical (a) and physical (b) development of 200 μ nuclear emulsions irradiated with

Card 2/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

05459
SOV/120-59-3-30/46

Minimum Ionization Particle Tracks Obtained by the Physical Development Method

π^+ mesons at 300 Mev. Fig 2 shows a comparison between the chemical (a) and physical (b) development of 200 μ emulsions irradiated with neutrons from a Po-Be source with a gamma background.
There are 2 figures and 10 references, 7 of which are Soviet, 1 English, 2 French.

ASSOCIATIONS: Leningradskiy institut kinoinzhenerov (Leningrad Institute for Cinematographic Engineers) and Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute for Nuclear Studies)

SUBMITTED: March 30, 1958

Card 3/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

23(

SOV/77-4-3-13/16

AUTHOR: Fayerman, G.P.

TITLE: On the Mechanism of the Effect of Organic Fog Preventatives in the Developer

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1959, Vol 4, Nr 3, pp 235-236 (USSR)

ABSTRACT: The author reports on a series of experiments intended to establish a linear dependence of the optical density of exposed cinematographic films on the concentration logarithm of organic antifoggants in developers. With his experiments, the author tried to confirm the electrochemical theory of development [reference 3]. Graphs 1 and 2 show the dependence of the optical density of the field of sensitograms of positive and negative cinematographic films respectively. The antifoggants used in either case were potassium bromide, 2-5 methyl-7-oxy-2,3,4-triazoindolysine, 5-nitrobenzimidazole, benzotriazole, phenyl

Card 1/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

SOV/77-4-3-13/16

On the Mechanism of the Effect of Organic Fog Preventatives in the Developer

mercaptotetrazole. The results of the experiments were in accord with the expectations, except those which were obtained for 2-5 methyl-7-oxy-2,3,4-triazoindolysine. The author explains this circumstance as due to the solubility product of the silver salt of this substance, which exceeds that of silver bromide. There are 2 graphs and 3 references, 2 of which are Soviet and 1 English.

ASSOCIATION: Gosudarstvennyy opticheskiy institut imeni S.I. Vavilova (State Optical Institute imeni S.I. Vavilov)

SUBMITTED: February 17, 1959

Card 2/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

AVRAMENKO, L.F.; VILENSKIY, Yu.B.; GUSEVA, L.K.; IVANOV, B.M.; POCHINOK, V.Ya.; STEKLYANNIKOVA, Z.I.; FAYERMAN, G.P.

Stabilizing effect of thiazolotetrazoles and tetrazolobenzothiazoles on silver chloride photographic emulsions. Zhur.nauch. i prikl.fot.i kin. 5 no.4:294-295 Jl-Ag '60. (MIRA 13:8)

1. Gosudarstvennyy universitet Kiyev, Filial Nauchno-issledovatel'skogo kino-fotoinstituta, Shostka i Institut kino-inzhenerov, Leningrad.
(Photographic emulsions) (Tetrazole)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.; SHISHKINA, N.N.

Effect of the developer's pH on the quantity of developed silver in a developed layer. Zhur.nauch.i prikl.fot.i kin. 7 no.1:26-29 Ja-F '62. (MIRA 15:3)

1. Gosudarstvennyy opticheskiy Institut imeni S.I.Vavilova.
(Photography--Developing and developers)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

VEPRIK, Ya.M.; FAYERMAN, G.P.

Redox potentials of p-hydroxyphenylglycine at varying pH values. Zhur. fiz. khim. 36 no.3:502-507 Mr '62. (MIRA 17:8)

1. Leningradskiy institut kinoinzhenerov.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

S/077/63/008/002/009/009
A066/A126

AUTHOR: Faverman, G.P.

TITLE: Image formation in the far infrared of the spectrum by evaporography

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v.8, no. 2, 1963, 153 - 156

TEXT: The evaporograph described here was developed at the Gosudarstvennyy opticheskiy institut (State Optical Institute) on the basis of papers by M. Czerny (Z. Physik, 1937, 108, 85; Umschau, 1956, 17, 519) and of a device produced by Baird Atomic Inc. A thin membrane coated on one side with a substance strongly absorbing infrared radiation is used as a receiver of this radiation. The membrane is fixed in a vacuum vessel, where it forms a screen that divides the vessel into two compartments of nearly the same size. A tube leading to the vacuum pump interconnects the compartments. The front compartment has a small window pervious to infrared light, whilst the rear compartment has a glass window, which is covered by a layer pervious to visible light. The front window is used to focus infrared light onto the membrane, and the rear window serves for irradiating

Card 1/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

Image formation in the far infrared of the S/077/63/008/002/009/009
A066/A126

the thin liquid layer condensed on the rear side of the membrane. The interference thus produced in the liquid layer corresponds to its thickness. The walls of the rear compartment, in which there are a few drops of volatile liquid, can be heated electrically. The vacuum vessel is evacuated down to 10^{-2} mm Hg approximately. There are 10 figures and 1 table.

PRESENTED: October 31, 1961

Card 2/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

VEPRIK, Ya.M.; SINTSOV, V.N.; FAYERMAN, G.P.

Investigating the kinetics of silver nitrate reduction by p-hydroxyphenylglycine. Zhur. nauch. i prikl. fot. i kin. 8 no.6:434-437 N-D '63. (MIRA 17:1)

1. Leningradskiy institut kinoinzhenerov (LIKI).

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

VEPRIK, Ya.M.; SINTSOV, V.N.; FAYERMAN, G.P.

Investigating the speed rate of the physical development with P-hydroxyphenylglycine developers. Zhur. nauch. i prikl. fot. i kin. 9 no.1:27-31 Ja-F'64. (MIRA 17:2)

1. Leningradskiy institut kinoinzhenerov (LIKI).

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

SINTSOV, V.N.; FAYERMAN, G.P.

Sensitivity of the physical methods of infrared photography. Zhur.nauch. i prikl.fot. i kin. 9 no.4:297-298 Jl-Ag '64.

(MIRA 17:10)

1. Gosudarstvennyy opticheskiy institut imeni Vavilova, Leningrad.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.; FAYNSHTEYN, M.I.

Reduction of silver halide, silver bromide and silver salts of 5-methyl-7-hydroxy-1,3,4-triazaindolizine. Zhur.nauch. i prikl. fot. i kin. 9 no.6:436-440 '64. (MIRA 18:1)

1. Leningradskiy institut kinoinzhenerov.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ACCESSION NR: AP4017621 S/0033/64/041/001/0110/0111

AUTHOR: Popova, K. B.; Sintsov, V. N.; Fayerman, G. P.

TITLE: Experimental application of the evaporograph for obtaining an infrared image of the moon

SOURCE: Astronomicheskiy zhurnal, v. 41, no. 1, 1964, 110-111

TOPIC TAGS: evaporograph, moon, lunar image, radiation, infrared radiation, thermal radiation

ABSTRACT: The availability of a working model of an evaporograph (G. P. Fayerman, V. N. Sintsov, K. B. Popova, Optiko-mekhanicheskaya promy*shlennost', no. 11, 27, 1962) permitted the authors to test the applicability of this instrument for obtaining lunar images in the infrared region of the spectrum. These tests were conducted from 24 to 28 July, 1961 at the Kry*mskaya Astrofizicheskaya Observatoriya Akademii Nauk SSSR (Crimean Astrophysical Observatory of the Academy of Sciences of the SSSR). The first series of tests consisted in photographing the moon using a working model of an evaporograph with a mirror-lens optical system (f = 200mm; $Z_{geom.}$ = 1, 1.6; $Z_{eff.}$ = 1:2) with a lens manufactured of crystal NaF. The spectral region passed by the optical system of the instrument lay within an interval of 0.8-8.5 microns. At the moment of photography,

Card 1/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ACCESSION NO: AP4017621

the moon was at a position between its first quarter and its full stage, with 3/4 of its surface illuminated by the sun. An image of the moon was obtained on the membrane of the evaporograph within 3-5 seconds after the beginning of the exposure. Details of the development procedure are given in the article. The image obtained was clear and distinct, but was too small (1.8 mm) to permit the revelation of any surface detail. Since the passband of the instrument was limited to 8.5 microns in the direction of the long waves, obviously it was primarily the reflected infrared radiation of the moon that was recorded. In a later series of tests, an MTM-500 telescope was used in place of the evaporograph objective, in order to secure a larger lunar image. The arrangement used in this series resulted in an image of the moon having a diameter of 58 mm; that is, almost twice the diameter of the evaporograph membrane. Hence, only a part of the lunar disc was visible. It was found that the sensitivity of the receiver was scarcely sufficient to obtain the infrared image given by the optical system of the telescope. The test results showed, in conclusion, that by means of an evaporographic receiver it is possible to obtain moon images in the reflected infrared radiation of the sun, and, provided the instrument has sufficient light-admittance and spectral passband, in its own thermal radiation as well — at least, in all likelihood. This follows, in particular, from data in the technical literature demonstrating

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ACCESSION NR: AP4017621

that the energy of the Moon's own thermal radiation exceeds by several times the energy of the reflected solar radiation. It was also found that with a relative telescope aperture of 1:4 (as in the case of the ø 2.6m telescope of the Crimean Astrophysical Observatory) there is sufficient strength to obtain such an image. "The authors express their gratitude to A. B. Severny*y, the director of the Observatory, as well as to V. K. Prokov'yev and N. Ye. Orlova, workers at the Observatory." Orig. art. has: 1 table and 2 figures.

ASSOCIATION: Gos. opticheskiy in-t im. S. I. Vavilova (State Institute for Optics)

SUBMITTED: 22Jan63 DATE ACQ: 18Mar64 ENCL: 00

SUB CODE: AA NO REF SOV: 001 OTHER: 003

Card 3/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, G.P.

Development superadditivity in phenodone glycine developers. Zhur. nauch. i prikl. fot. i kin. 10 no.5:394-395 S-O '65. (MIRA 18:9)

1. Gosudarstvennyy opticheskiy institut imeni Vavilova, Leningrad.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

L 29127-66 EWT(1)/T IJP(c)

ACC NR: AP6018696 SOURCE CODE: UR/0187/65/000/009/0090/0091

AUTHOR: Fayerman, G. P.

ORG: none

42

TITLE: 17th conference on scientific photography

SOURCE: Tekhnika kino i televideniya, no. 9, 1965, 90-91

TOPIC TAGS: scientific conference, photography, photographic processing

ABSTRACT: This conference, held in Moscow on 1 - 4 June 1965, was chiefly concerned with the problems of the chemico-photographic processing of light-sensitive materials. Papers were presented on the following subjects: the mechanism of the selective action of developers on photographic coatings; a statistical study of the kinetics of the development of emulsion crystals, which concluded, among other things, that the shape of the grains of developed silver halide does not depend on the properties of the developing agent; the process of development of individual crystals of silver halides; the correspondence between the properties of developing agents and their anode oxidation potentials; the critical potential of photographic developing as a yardstick of irreversibility of the developing process; the mechanism of action of polyethylene glycol in developing agents; the specific features of molecular structure affecting photographic-developing effect of specified organic sub-

Card 1/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

L 29127-66

ACC NR: AP6018696

stances; the superadditive effect of Phenidone and its derivatives and its dependence on the pH value of the developing solutions and on other factors; the possibilities of polarographic analysis as a means of investigating the processes of black-and-white and color developing; an interesting case of the influence of methylene blue on the fogging process during photographic developing; a comprehensive survey of the properties of new domestic and foreign monopack films; methods of high-speed developing; problems of standardization and improvements of apparatus for chemico-photographic processing of aerial film; the optimal ratio between the contrast factors of the print and the negative; new findings on the use of dilute Phenidone hydroquinone as a developing agent for negative film at the Lenfil'm Studios; motion-picture film processing techniques in the United States, etc. Altogether, 41 papers were presented. The conference was attended by 400 delegates representing 70 different Soviet organizations. /JPRS/

SUB CODE: 14 / SUBM DATE: none

Card 2/2 cc

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I.L.

ASEEVA, N.P.; GRISHKUN, G.I.; USHAKOVA, A.A., zaveduyushchaya; SHIROKOV, V.N., zasluzhennyy vrach RSFSR, glavnyy vrach; FAYERMAN, I.L., professor, zasluzhennyy deyatel' nauki, direktor.

Two cases of calcified hydatid cyst of rare location. Vest.rent.i rad. no.2:66-67 Mr-Ap '53. (MLRA 6:6)

1. Rentgenologicheskoye otdeleniye Ryazanskoy oblastnoy klinicheskoy bol'nitsy imeni N.A.Semashko (for Aseyeva, Grishkun, Ushakova). 2. Ryazanskaya oblastnaya klinicheskaya bol'nitsa imeni N.A.Semashko (for Shirokov). 3. Kafedra propedevticheskoy khirurgii Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova (for Aseyeva, Grishkun and Fayerman).

Propedevtic

(Spleen--Hydatids) (Peritoneum--Hydatids)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, Ilya Lvovich

[Endarteritis obliterans and thrombophlebitis; disability evaluation and operational procedure] Obliteriruiushchii endarteriit i tromboflebit; vrachebno-trudovaia ekspertiza i trudovoe ustroistvo. Moskva, Medgiz, 1958. 65 p.

(ARTERIES--DISEASES) (PHLEBITIS) (MIRA 12:11)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

PIROGOV, Nikolay Ivanovich [deceased]; GESELEVICH, A.M., prof.; RUFANOV, I.G., prof., otv.red., red.toma; BAKULEV, A.N., red.; VISHNEVSKIY, A.A., red.; DAVYDOVSKIY, I.V., red.; KORNEYEV, V.M., red.; KOCHERGIN, I.G., red.; KROTKOV, F.G., red.; MAKSIMENKOV, A.N., red.; PETROV, B.D., red.; SEMEKA, S.A., dotsent, red., retsenzent toma; FAYERMAN, I.L., zasluzhennyy deyatel' nauki, retsenzent toma; LUBOTSKIY, D.N., red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Collected works in eight volumes] Sobranie sochinenii v vos'mi tomakh. Moskva, Gos.izd-vo med.lit-ry. Vol.2. [Works on clinical surgery, 1837-1839] Trudy po klinicheskoi khirurgii, 1837-1839. 1959. 621 p. (MIRA 13:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Rufanov).
(SURGERY)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I.L., prof., red.; GORELIK, S.L., red.; ZUYEVA, N.K., tekhn.red.

[Medical expert testimony in determining work fitness in surgical diseases] Vrachebno-trudovaia ekspertiza pri khirurgicheskikh zabolevaniiakh. Moskva, Gos.izd-vo med.lit-ry, 1961. 382 p. (MIRA 14:4)

(DISABILITY EVALUATION)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

BOGOSLAVSKIY, R.V., prof.; BREGADZE, I.L., prof.; VELIKORETSKIY, A.N., prof.; VINOGRADOV, V.V., doktor med. nauk; GROZDOV, D.M., prof.; GULYAYEV, A.V., prof.; DZHAVADYAN, A.M., doktor med. nauk; KRAVCHENKO, P.V., prof.; LOBACHEV, S.V., prof.; NIKOLAYEV, O.V., prof.; PYTEL', A.Ya., prof.; SMIRNOV, A.V., prof.; FAYERMAN, I.L., prof.; FUTORYAN, Ye.S.; SHELAGU, A.A., zas. deyatel' nauki, prof.; BOLYAN, R.O., prof.[deceased]; PETROVSKIY, B.V., prof., otv. red.; SENCHILO, K.K., tekhn. red.

[Multivolume manual on surgery]Mnogotomnoe rukovodstvo po khirurgii. Otv.red.B.V.Petrovskii. Moskva, Medgiz. Vol.8.[Surgery of the liver, biliary tract, pancreas, and spleen]Khirurgiia pecheni, zhelchnykh putei, podzheludochnoi zhelezy i selezenki. Red.toma A.V.Guliaev. 1962. 659 p. (MIRA 15:6)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Petrovskiy). (LIVER—SURGERY) (PANCREAS—SURGERY) (SPLEEN—SURGERY)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ABRAMYAN, A.Ya., prof.; BUSALOV, A.A., prof.; VELIKORETSKIY, A.N., prof.; GROZDOV, D.M., prof.; DORMIDONTOVA, K.V., dots.; ZHMAKIN, K.N., prof.; KORNEV, P.G.; LEVIT, V.S.prof. [deceased]; LIKHACHEV, A.G., prof.; LOBACHEV, S.V., prof.; MOLODAYA, Ye.K., prof.; PETROV, B.A.; PRIOROV, N.N.[deceased]; SALISHCHEV, V.E., prof. [deceased]; SAPOZHKOV, P.I., prof. [deceased]; TERNOVSKIY, S.D. [deceased]; FAYERMAN, I.L., prof., zasl. deyatel' nauki; CHAKLIN, V.D.; CHENTSOV, A.G., prof. [deceased]; CHERNAVSKIY, V., prof.; SHADURSKIY, K.S., prof.; SHAKHBAZYAN, Ye.S., prof.; VELIKORETSKIY, A.N., prof.; red.; GORELIK, S.L., dots., red.; YELANSKIY, N.N., red.; STRUCHKOVA, V.I., red.; RYBUSHKIN, I.N., red.; BUL'DYAYEV, N.A., tekhn. red.

[Surgeon's manual in two volumes] Spravochnik khirurga v dvukh tomakh. Moskva, Medgiz. Vol.2. 1961. 642 p. (MIRA 17:4)

1. Chlen-korrespondent AMN SSSR (for Yelanskiy, Struchkova, Petrov, Ternovskiy, Chaklin). 2. Deystvitel'nyy chlen AMN SSSR (for Kornev, Priorov).

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

AKULOVA, R.F., prof.; ANTELAVA, N.V., prof.; AR'YEV, T.Ya., prof.; BAIROV, G.A., prof.; VELIKORETSKIY, A.N., prof.; GABAY, A.V., prof. [deceased]; GNILORYBOV, G.Ye., prof.; DOBROVOL'SKIY, V.K., prof.; DOLINA, O.A., kand. med. nauk; ZATSEPIN, T.S., prof.; KIRICHINSKIY, A.R., prof.; KOZLOVA, A.V., prof.; KOTOV, A.P., prof.; KRAKOVSKIY, N.I., prof.; KUZIN, M.I., prof.; L'VOV, A.N., prof. [deceased]; MITYUNIN, N.K., kand. med. nauk; MTVARELIDZE, Sh.I., prof., [deceased]; NOVACHENKO, N.P., prof., zasl. deyatel' nauki USSR; OSIPOV, B.K., prof.; PIKIN, K.I., prof.; POSTNIKOV, B.N., prof.; RAKOV, A.I., prof.; STRUCHKOV, V.I., zasl. deyatel' nauki RSFSR, prof.; ~~FAYERMAN, I.L., prof.~~ [deceased]; FILATOV, A.N., prof.; SHMELEV, I.V., prof. [deceased]; PETROVSKIY, B.V., zasl. deyatel' nauki RSFSR, prof., otv. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Meditsina. Vol.2. 1964. 771 p. (MIRA 18:1)

1. Deystvitel'nyy chlen AMN SSSR (for Antelava, Petrovskiy).
2. Chlen-korrespondent AMN SSSR (for Bairov, Novachenko, Struchkov, Filatov).

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I.

Fayerman, I. "On the life of a deep-penetrating pump," Neft. khoz-vo, 1946, No. 11, p. 9-11

SO: U-2888, Letopis Zhurnal' nykh Statey, No. 1, 1949

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

The effect of corrosion inhibitors on the corrosion fatigue of steel in water accompanying petroleum deposits. E. Andreeva, V. Negreev, and L. Paerman. *Neftyanoi Tekh., Neftepromyslovoe Delo* 1950, No. 6, 43-6.—The combination of strain or pressure with the action of corrosive agents results in greater corrosion than is expected from the effects of either stress or chem. attack alone. Corrosion fatigue of steel rods in 2 different water samples and the effect of H_2S and of corrosion inhibitors was studied by placing a polished steel specimen in the center of a glass tube filled with the test soln. and crude oil, and exposing the system to varying pressures. Hard water was found to reduce greatly the fatigue of steel. By adding inhibitors such as Na chromate (5 g./l.), fatigue increases, 19-23 kg./sq. mm. In alk. water, H_2S (50 mg./l.), the fatigue resistance of the sample is approx. the same as in hard water. Alk. water contg. 200 mg. of H_2S/l. lowers considerably the resistance of the sample. Adding 50 mg. of HCHO/l. to alk. water contg. H_2S increases the resistance of steel, and removal of H_2S further improves results. Addn. of Na chromate to alk. water free from H_2S does not improve the resistance of steel. The wetting properties of the corrosive solns. were found to be important; hard and alk. waters, contg. 200 mg. of H_2S/l., which were most corrosive, have better wetting properties than other water samples studied, while alk. water and hard water contg. inhibitors were less surface active.

H. O. Voelker

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

MADERA, R.S.; NURIDZHANOV, G.D., FAYERMAN, I.L., redaktor; UDALYY, A.M., vedushchiy redaktor

[New technology for lowering and hoisting operations in underground repair of oil wells] Novaia tekhnologiia spusko-pod"emnykh operatsii v podzemnom remonte neftianykh skvazhin. Baku, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe otd-nie, 1952. 123 p. [Microfilm] (MLRA 7:10)
(Petroleum--Well repair) (Hoisting machinery)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, Isaak L'vovich; ADONIN, An.N., kandidat tekhnicheskikh nauk, dotsent, redaktor; UDALYY, A.M., tekhnicheskiy redaktor, [deceased]

[Rods for deep-well pumps] Shtangi dlia glubinnykh nasosov. Baku, Azerbaidzhanskoe gos.izd-vo neftianoi i nauchno-tekhnicheskoi lit-ry, 1955. 321 p. (MIRA 9:4)
(Pumping machinery)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I.L.

Studying reservoir water wetting of rods as a parameter of their capacity. Trudy AzNII DN no.6:180-191 '57. (MIRA 12:12)
(Sucker rods) (Steel--Corrosion)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

DZHABARZADE, D.A.; LITROVENKO, M.G.; FAYERMAN, I.L.

Capacity of 20 KHN shot peened sucker rods. Trudy AzNII DN no.6:192-199 '57. (MIRA 12:12)
(Sucker rods) (Shot peening)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I.L.; CHERNYSHEVA, Ye.V.; NADZHAFAROV, A.A.; SARKISOV, A.M.

Protective coatings for sucker rods. Trudy AzNII DN no.6:200-210 '57. (MIRA 12:12)

(Sucker rods) (Protective coatings)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I.L.; KRUMAN, B.B.

Calculating sucker rod strings. Azerb. neft. khoz. 36 no.4:24-26 Ap '57. (MIRA 10:6)

(Sucker rods)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ADONIN, A.N., kand.tekhn.nauk; ALIVERDIZADE, K.S., kand.tekhn.nauk; AMIYAN, V.A., kand.tekhn.nauk; ANISIMOV, Ye.P., inzh.; APRESOV, K.A., dotsent; BELEN'KIY, V.N., inzh.; BOGDANOV, A.A., kand. tekhn.nauk; GORBENKO, L.A., inzh.; DANIELYAN, A.A., inzh.; DAKHNOV, V.N., prof.; IVANKOV, R.A., inzh.; KORNEYEV, M.I., inzh.; LAVRUSHKO, P.N., inzh.; LESIK, N.P., inzh.; LOVLYA, S.A., kand. tekhn.nauk; LOGINOV, B.G., kand.tekhn.nauk; MININZON, G.M., kand. tekhn.nauk; MOLCHANOV, G.V., kand.tekhn.nauk; MURAV'YEV, I.M., prof.; MUSHIN, A.Z., inzh.; OL'SHVANG, D.Ye., inzh.; PODGORNOV, M.I., inzh.; FAYERMAN, I.L., kand.tekhn.nauk; FOKINA, Ye.D., inzh.; EFISHEV, A.M., inzh. [deceased]; YERSHOV, P.R., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Reference book on petroleum production] Spravochnik po dobyche nefti. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.2. 1959. 589 p. (MIRA 13:2)
(Oil fields--Production methods)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I. S.

FAYERMAN, I. S. -- "Materials on the Clinical Characteristics of the Disease of the Stomach Poisoned by Trinitrotoluene." From the Gor'kiy Sci Res Inst of Labor Hygiene and Occupational Diseases of the Min Public Health RSFSR, Leningrad State Order of Lenin Inst for the Advanced Training of Physicians imeni S. M. Kirov, Gor'kiy, 1956. (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No 44, October 1956

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, I. S.; BONGARD, E. M.; ZHALNINA, L. V.; SHAPKINA, T. G.; SOINA, A. Ya. (Gor'kiy i Volgograd)

Some characteristics of the clinical course of acute mercaptophos intoxication. Gig. truda i prof. zab. no.12:45-47 '61. (MIRA 14:12)

1. Gor'kovskiy institut gigiyeny truda i profboleznej, Volgogradskaya bol'nitsa No. 13.

(MERCAPTOPHOS—TOXICOLOGY) (POISONING)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FILATOVA, V.S.; GRONSBERG, Ye.Sh.; BALAKHONOVA, L.I.; FAYERMAN, I.F.

Sanitary and hygienic characteristics of the production of benzyl chloride and benzaldehyde. Trudy GIGT no.9:13-20 '62.
(MIRA 17:9)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

BONGARD, E.M.; FAYERMAN, I.S.; RUMYANTSEVA, Ye.P.

Chronic intoxication with methyl chloride. Trudy GIGT no.9:101-109 '62. (MIRA 17:9)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ANATOL'YEVSKIY, Pavel Aramovich; GANICHEV, Ivan Aleksandrovich; SHEYEROV, Osip Markovich. Prinimal uchastiye: PEN'KOV, A.I.; FAYERMAN, N.B.; KULICHIKHIN, N.I., doktor tekhn. nauk, prof., zasl. deyatel' nauki i tekhniki RSFSR, retsenzent; FEDOROV, B.S., inzh., nauchnyy red.; FRIDKIN, L.M., tekhn. red.

[Drilling technology in building power installations] Tekhnologiia bureniia v energeticheskom stroitel'stve. Pod obshchei red. I.A.Ganicheva. Moskva, Gosenergoizdat, 1962. 407 p. (MIRA 16:5)

(Boring)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ANATOL'YEVSKIY, P.A.; FAYERMAN, N.B.

Filters from a punched-drawn plate. Biul. nauch.-tekh. inform. VIMS no.2:30-32 '63. (MIRA 18:2)

1. Gosudarstvennyy institut po proyektirovaniyu spetsial'nykh sooruzheniy promyshlennogo stroitel'stva i Shakhtspetsstroy.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N. N.

USSR/Medicine - Infections Mar 1948
Medicine - Blood Transfusions

"Transfusion of Irradiated Blood in Clinical Treatment of Infectious Diseases," Prof N. I. Morozkin, N. N. Fayerman, Chair Infectious Diseases, Gor'kiy Med Inst, Evac Hosp No 2797, 1¼ pp

"Sovets Medits" No 3

Theoretical bases for transfusions of irradiated blood: bactericidal and antitoxic actions, increase in absorptivity, activation of sterol; and increase in general resistance against microorganisms. In addition, with autohemoirradiation, there is simultaneously developed an autovaccine that can assist in the activation of resistance against microorganisms. Transfusion of irradiated blood in anemia which had developed from chronic infections and in infectious diseases with acute intoxication symptoms was very successful in comparison with transfusions of citrated blood.

PA 51T52

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N.

"Use of synthomycin for dysentery in infants." Pediatriia no.5: 93 S-O '54. (MLRA 7:12)

1. Iz Gor'kovskogo meditsinskogo instituta im.S.M.Kirova.
(CHLOROMYCETIN) (DYSENTERY)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N.

Comparative rating of the effectiveness of modern methods of treating acute dysentery. Pediatriia 39 no.3:91 My-Je '56. (MLRA 9:9)

1. Iz kafedry detskikh infektsiy Gor'kovskogo gosudarstvennogo meditsinskogo instituta.
(DYSENTERY)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N.; MIKHAYLOVA, A.M.; VASIL'YEVA, Z.P.

Diagnostic value of the tellurite test in faucial diphtheria. Zhur.mikrobiol.epid. i immun.,supplement for 1956:45 '57 (MIRA 11:3)

1. Iz kliniki detskikh infektsionnykh bolezney Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova na baze detskoy infektsionnoy bol'nitsy No.8 i infektsionnoy bol'nitsy No.3.
(DIPHTHERIA) (TELLURIUM)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N. N.

EXCERPTA MEDICA Sec 17 Vol 5/11 Public Health Nov 59

3342. THE USE OF CHLORTETRACYCLINE IN DIPHTHERIA CARRIERS (Russian text) - ~~Faerman N. N.~~ - ZH. MIKROB. EPID. I IMMUNOBIOL. 1958, 9 (38-41) Tables 2 vol. 29

In the fight against diphtheria in carriers, chlortetracycline was found most effective. Children were treated with 50,000 U. 4 times daily, for 5-7 days. Chlortetracycline can be used successfully, not only in carriers, but also in the treatment of acute diphtheria patients, particularly in combination with vit. B and diphtheria antitoxin. Under this policy, the diphtheria carrier rate has decreased 3.5 times.

Anigstein - Galveston, Tex. (L, 7, 6, 17)

Gor'kiy Medical Inst.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N.; LAVROVA, A.F.; KRISTINA, G.I.

Plasma transfusion in toxic diphtheria. Pediatriia 37 no.5:89 My '59. (MIRA 12:8)

1. Iz kafedry detskikh infektsionnykh bolezney Gor'kovskogo meditsinskogo instituta na baze 8-y infektsionnoy bol'nitsy i 23-y bol'nitsy.
(DIPHTHERIA) (BLOOD--TRANSFUSION)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N.

Use of biomycin in the treatment of patients with pharyngeal diphtheria. Zhur. mikrobiol. epid. i immun. 31 no. 10:108-110 O '60. (MIRA 13:12)

1. Iz Gor'kovskogo meditsinskogo instituta.
(DIPHTHERIA) (AUREOMYCIN)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N.; TEMPERAMENTOVA, Ye.I.; LAVROVA, A.F.; RASKINA, S.M.; VLADYKINA, O.K.

Role of the communicable diseases hospital in eradicating diphtheria. Vop. okh. mat. i det. 6 no.8:63-66 Ag '61. (MIRA 14:1)

1. Iz kafedry detskikh infektsiy Gor'kovskogo meditsinskogo instituta (zav. - dotsent N.N.Fayerman), 8-y infektsionnoy bol'nitsy (glavnyy vrach Ye.I.Temperamentova) i 23-y infektsionnoy bol'nitsy (glavnyy vrach S.M.Raskina).
(DIPHTHERIA--PREVENTION) (COMMUNICABLE DISEASES--HOSPITALS)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N., dotsent

Differential diagnosis of localized forms of pharynegeal diphtheria and various clinical forms of tonsillitis. Sov. med. 28 no.7:99-104 Jl '64. (MIRA 18:8)

1. Kafedra detskikh infektsiy (zav. - dotsent N.N.Fayerman) Gor'kovskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, N.N., dotsent; KOROLEVA, L.B., assistent

Use of hormone preparations in the compound treatment of toxic diphtheria. Vop. okh. mat. i det. 8 no.7:15-19 Jl '63. (MIRA 17:2)

1. Iz kafedry detskikh infektsiy Gor'kovskogo meditsinskogo instituta imeni S.M. Kirova.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, Sh.L.

Characteristics of the optical system of the photoelectric filling feeler. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.3:81-85 '65. (MIRA 18:8)

1. Kalininskiy nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYNBERG, S. L. and STEFANOVSKAYA, M. N.

"Polymerization of Multicomponent Systems," Usp. khim., 21, No.7, 1952

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

YAKUBOVICH, A.Ya.; STEFANOVSKAYA, N.N.; MIKHAYLOVSKIY, L.P.; FAYERMAN, S.L.; SOLOVOVA, O.P.; ROZENSHTEYN, S.M.; GINSBURG, V.A.

Structure and polymerization of compounds containing a trifluorovinyl group. Zhur. VKhO 6 no.6:712-713 '61. (MIRA 14:12)
(Vinyl compound polymers)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, S. Ts.

18G52

USSR/Elec Power Plants 4501.0500 Nov 1947

"Utilization of Local Fuels in Power Plants of the USSR," S. Ts. Fayerman, Candidate Tech Sci, S. M. Shukher, 8 pp

"Elek Stantsii" Vol XVIII, No 11

Discusses problems involved in use of local fuels. Analysis of types of fuel and experience obtained from their use. Includes diagrams, tables, and graphs. Mentions plants having used various types of local fuel.

LC 18G52

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, S. Ts. and SHUKHER, S. M.

"Assembly and Utilization of High-Pressure Turbines" (Montazh i ekspleatatsiya turbine vysokogo davleniya), 228 pp, Moscow-Leningrad, 1950.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

YERMAKOV, V.S.; SPIRIN, S.A.; CHIZHOV, D.G.; UGORETS, I.I.; LAVRENENKO, K.D.; SMIRNOV, G.V.; CHUPRAKOV, N.M.; MKHITARYAN, S.G.; ASMOLOV, G.L.; KOTILEVSKIY, A.M.; MOLOKANOV, S.I.; SYROMYATNIKOV, I.A.; FAYERMAN, S.Ts.; SOKOLOV, B.M.; KOMISSAROV, Yu.P.; MALYUTIN, I.P.; POBEGAYLO, K.N.; MORYAKOV, A.V.; MELAMED, M.F.; KUMSIASHVILI, P.G.; GARKAVAYA, L.A.; LIVSHITS, E.M.; NEKRASOV, A.M.

Moisei Vul'fovich Safro; obituary. Elek.sta. 24 no.11:60 N '53. (MLRA 6:11)

(Safro, Moisei Vul'fovich, 1-1953)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, S.TS. FAYERMAN, S.TS.

YERMAKOV, V.S.; KLOCHKOV, I.M.; CHIZHOV, D.G.; KOGTEV, G.I.; LAVRENENKO, K.D.; NEKRASOV, A.M.; SPIRIN, S.A.; VESELOV, N.D.; KOTILEVSKIY, D.G.; SMIRNOV, G.V.; MARINOV, A.M.; MAKSIMOV, A.A.; IVANOV, M.I.; NEMOV, A.P.; CHUPRAKOV, N.M.; AVTONOMOV, B.V.; SYROMYATNIKOV, I.A.; MOLOKANOV, S.I.; FAERMAN, S.TS.; GORSHKOV, A.S.; GOL'DENBERG, P.S.; SOKOLOV, B.M.; MAKUSHKIN, YA.G.; MKHITARYAN, S.G.; RASSADNIKOV, Ye.I.; GRUDINSKIY, P.G.; FOMICHEV, G.I.; SHCHERBININ, B.V.; ZAYTSEV, V.I.; KOKOREV, S.V.; KLYUSHIN, M.P.; PESCHANSKIY, V.I.; SAFRAZBEKYAN, G.S.; i dr...

IUrii Prokhorovich Komissarov; obituary. Elek.sta. 25 no.5:60 My '54. (Komissarov, IUrii Prokhorovich, 1910-1954) (MLRA 7:6)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

ARIFOV, U.A., akademik; KLEYN, G.A.; OKUN', G.S.; PASHINSKIY, S.Z.; OSIPOVA, L.Kh.; FAYERMAN, V.T.

Vacuum investigation of deformations of natural silk irradiated by gamma rays. Izv.AN Uz.SSR.Ser.fiz.-mat.nauk no.3:32-37 '60. (MIRA 13:8)

1. Institut yadernoy fiziki AN UzSSR i Uzbekskiy nauchno-issledovatel'skiy institut shelkovoy promyshlennosti. 2. AN UzSSR (for Arifov).

(Gamma rays)
(Silk)
(Materials, Effect of radiation on)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, V.T.

Effect of pulsed ultrasonic vibrations on the mechanical properties of viscose and acetate fibers. Khim.volok. no.3: 53-56 '62. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti Kalininskogo soveta narodnogo khozyaystva.
(Textile fibers, Synthetic--Testing)
(Ultrasonic waves)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, V.T.

Nature of pulse ultrasonic effects on viscose and acetate fibers. Khim. volok. no.5:59-64 '63. (MIRA 16:10)

1. Kalininskiy nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, V.T.; GORYACHKO, G.V.

Effect of the frequency of ultrasonic waves applied to synthetic fibers on their mechanical properties. Khim.volok.no.5:62-65 '64. (MIRA 17:10)

1. Kalininskiy nauchno-issledovatel'skiy institut trikotazhnoy promyshlennosti (for Fayerman). 2. Kalininskiy pedagogicheskiy institut (for Goryachko).

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, V.T.; GORYACHKO, G.V.; SLONIMSKIY, G.L.

Role of supermolecular structures in the breakdown of polymers in an ultrasonic field. Dokl. AN SSSR 158 no.2:446-447 S '64. (MIRA 17:10)

1. Kalininskiy nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti, Dalininskiy pedagogicheskiy institut i Institut elementoorganicheskikh soyedineniy AN SSSR. Predstavleno akademikom V.A.Karginym.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, V.T.

Role of the plasticizer in fiber destruction under the action of ultrasonic vibrations. Khim. volok. no.2:51-54 '65. (MIRA 18:6)

1. Kalininskiy nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, V.T.

Effect of ultrasonic action on synthetic fibers in media with increased temperatures. Khim. volok. no.3:55-57 '65. (MIRA 18:7)

1. Kalininskiy nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

L 62766-65 EWT(1)/EWT(m)/EWP(j)/T/EWP(k) Pc-4/Pf-4/Pi-4 JXJ/RM

ACCESSION NR: AP5018431 UR/0190/65/007/007/1217/1220

678.01:53

35

33

B

AUTHOR: Fayerman, V. T.; Goryachko, G. V.; Slonimskiy, G. L.

TITLE: The effect of ultrasonic waves on polymer films

21

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 7, 1965, 1217-1220

TOPIC TAGS: polyvinylchloride film, polypropylene film, ultrasonic wave

ABSTRACT: The effect of ultrasonic waves on amorphous and crystalline polymer films of polyvinyl chloride (PVC) and crystalline films of isotactic polypropylene was studied. The structural changes which followed the ultrasonic irradiation were determined by means of an MP-7 polarizing microscope in ordinary transmitted and polarized light. It was found that the breakdown of amorphous PVC films and crystalline films with fine structural elements in an ultrasonic field is due to the formation and development of a network of cracks growing in arbitrary directions. The breakdown of crystalline polypropylene films having a spherulitic structure is caused by the development of cracks along the spherulite boundaries. It was shown that films having different mechanical properties could be obtained from the same crystalline polymer. The breakdown of crystalline polymers in an ultrasonic field

Card 1/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

L 62766-65

ACCESSION NR: AP5018431

2

is determined by the size of the elements of the macromolecular structure and probably also depends on the internal structure of these elements. Polymer films in which ultrasonic irradiation induces the formation of networks of cracks growing in arbitrary directions were found to be the least stable. "Yu. O. Glazovskiy (VNIISV) participated in the preparation of the films." Orig. art. has: 2 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti (Scientific Research Institute of the Textile Industry)

SUBMITTED: 03Aug64 ENCL: 00 SUB CODE: MT

NO REF SOV: 006 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, Ye., doktor tekhn.nauk

From the history of Russian publications in mining engineering.
Sov.shakht. 11 no.4:44 Ap '62. (MIRA 15:3)
(Bibliography--Mining engineering)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

PARUSIMOV, V.F., kand.tekhn.nauk; FAYERMAN, Ye., red.; TVERDOKHLEBOVA, S. .tekhred. .

[Mining thick seams in Germany, Poland, and Czechoslovakia; report at the F.E.Dzerzhinskii's House of the Engineer and Technician] Razrabotka moshchnykh plastov v Germanii, Pol'she i Chekhoslovakii; doklad v Dome inzhenera i tekhnika im. F.E. Dzerzhinskogo. Moskva, 1946. 36 p. (MIRA 12:8)
(Germany--Coal mines and mining)
(Poland--Coal mines and mining)
(Czechoslovakia--Coal mines and mining)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, E. M. 941601

FAYERMAN, Yevgeniy M.

Razvitiye naychnykh issledovaniy v ugol'noy promyshlennosti SSSR. Moscow, 1948. 61 p.

(Development of Research in the Coal Industry)

Pamphlet on development of scientific research in basic branches of coal industry, including processing of coal deposits, reinforcing of mine shafts, ventilation, etc.; published by Ministry of Eastern Coal.

TN808.R9F3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAERMAN, Evgenii Mikhailovich, ed.

A manual for the mine operator. Moskva, Uglotekhizdat, 1948. 658. p. (49-14353)

TN275.F3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, YE.

20541 FAYERMAN, YE. Elektron. /Iz tsikla «Elementariyye chestitsy»/. Ill. N. smol'yaniivov. Znaniyye - sila, 1949, No. 5, s. 8-12.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FA 52/49T11

USSR/Academy of Sciences Jul 49
Scientists

"Aleksandr Aleksandrovich Skochinskiy (On His Seventy-Fifth Birthday)," Acad A. M. Terpigorev, Ye. M. Fayerman, 6 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 7

Skochinskiy has been a professor at Moscow Mining Inst imeni I. V. Stalin since 1930. He was also chosen director of the Mining Inst, Acad Sci USSR, in 1938, when the institute was organized. Skochinskiy specialized primarily in mining aerology, and secondarily in gas conditions in

[redacted] 52/49T11

USSR/Academy of Sciences (Contd) Jul 49

shafts and methods to combat explosions of gases and powders.

FAYERMAN, YE. M.

[redacted] 52/49T11

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, YE.M.

27092. FAYERMAN, YE.M.-Vsesoyuznoye soveshchaniye po gornomu davleniyu. (Leningrad. 1948). Izvestiya Akad, nauk SSSR, Otd-niye tekhn, nauk, 1949, No. 8, s. 16-19

b. Dobycha rudnykh iskopayemykh

So: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

27092

Vsesoyuznoye soveshchaniye po gornomu davleniyu. (Leningrad, 1948).
Izvestiya Akad. Nauk SSSR. Ots-nie tekhn. Nauk, 1949, No. 8, S. 1268-72

B. Dobycharudnykh iskopayemykh

SO: LETOPIS' NO. 34

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, Ye. M.

FAYERMAN, Ye. M. -- "Development of Domestic Mining Science and Its Basic Studies on Underground Mining of Hard Minerals." Sub 24 Oct 52, Inst of Mining, Acad Sci USSR (Dissertation for the Degree of Doctor in Technical Sciences)

SO: Vechernaya Moskva January-December 1952

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, YE.M.

(3)

Fuel Abstracts
June 1954
Natural Solid Fuels:
Winning

4179. STUDY OF ROCK PRESSURE IN CONNEXION WITH PROBLEMS OF MECHANIZATION OF COAL WINNING. Faerman, E.M. (Vestn. Akad. Nauk SSSR (J. Acad. Sci. U.S.S.R.), Nov. 1953, 124-126). Papers to a joint conference of the Institute of Mining, Academy of Science U.S.S.R., and the Ministry of the Mining Industry, are summarized.

9-28-54
JJP

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, Ye.M.; TERPIGOREV, A.M., akademik.

Scope and contents of the Russian science of mining. Izv.AN SSSR Otd.tekh. nauk no.8:1102-1109 Ag '53. (MLRA 6:8)
(Mining engineering)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6

FAYERMAN, Ye.M., kandidat tekhnicheskikh nauk.

Study of mine pressure in connection with tasks of mechanized coal mining (joint conference of the Institute of Mining of the Academy of Sciences of the U.S.S.R. and the Ministry of the Coal Industry). Vest.AN SSSR 23 no.10:124-126 O '53. (MLRA 6:11)

(Coal mines and mining--Congresses)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520001-6"