KOVALEVA, L.T.; NEKRASOV, I.Ya.; ARKHIPENKO, D.K.; BROVKIN, A.A.; GRIGOR'YEV, A.P.; KOMAR, L.V.

Study of the minerals in the series of ascharite-s[illegible]ssexite by infrared spectroscopy and electron diffraction methods. Zhur. strukt. khim. 6 no.1:79-82 Ja-F '65. (MIRA 18:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk i Institut geologii Yakutskogo filiala Sibirskogo otdeleniya AN SSSR, Yakutsk. Submitted October 28, 1963.

GUMANYUK, M.N., inzh.; ARKHIPENKO, I.P., inzh.; BOYKO, P.G., inzh.

Ultrasonic relay for coal mines. Ugol' Ukr. 7 no.6:37-38 Je '63.
(MIRA 16:8)

1. Institut avtomatiki Gosplana UkrSSR.

ARKHIPENKO, L.L.; POPOV, N.N.

Using one conductor per train. Zhel.dor.transp. 41 no.6:61-64 Je '59. (MIRA 12:9)

1. Nachal'nik sluzhby dvizheniya i gruzovoy raboty, g.Ordzhonikidze (for Arkhipenko). 2. Nachal'nik tekhnicheskogo otdela sluzhby dvizheniya i gruzovoy raboty, g.Ordzhonikidze (for Popov).
(Railroads--Management) (Railroad conductors)

ARKHIPENKO, V.

Novosibirsk turbogenerator plant. Sov.voin 38 no.19:8 O '56.
(MLRA 10:1)

(Novosibirsk--Electric generators)

ARKHIPENKO, V.

Reflection of our achievements. Sov. profsoizy 7 no.13:12-16 Jl '59. (MIRA 12:10)
(Moscow--Exhibitions)

ARKHIPENKO, V.

At the Luganak power "Giant." Sov.profsoiuzy 7 no.8:22-24 Ap '59. (MIRA 12:7)
(Luganak--Electric power plants) (Labor productivity)

ARKHIPENKO, V.

Like a tale about the white ox. Sov. profsoiuzy 7 no.17:36-38 S '59. (MIRA 12:11)

1.Spetskor. zhurnala "Sovetskiye profsoyuzy".
(Velikiye Luki--Industrial safety)
(Railroads--Rolling stock--Maintenance and repair)

ARKHIPENKO, V.

When management is not as it should be. Sov.profsoiuzy 7 no.22:35-36 N '59. (MIRA 12:12)

1. Spetsial'nyy korrespondent zhurnala "Sovetskiye profsoyuzy, Stalingrad.
(Stalingrad--Shipbuilding) (Work councils)

ARKHIPENKO, V.

In the interests of production. Komun. Vooruzh. Sil 46 no.14:57-62 Jl '65. (MIRA 18:7)

ARKHIT[illegible]

Krasnoyarsk-Abakan. Avt. dor. 28 no.2:14 F '65.
(MIRA 18:6)

ARKHIPENKO, V.I.; AGEYEVA, M.Kh.; VORONA, A.P.

Differential diagnosis of Botkin's disease and mechanical jaundice using I^{131}. Med. rad. 9 no.8:42-45 Ag '64. (MIRA 18:4)

1. Kafedra gistologii (zav. V.I. Arkhipenko) Dnepropetrovskogo meditsinskogo instituta i kafedra infektsionnykh bolezney (zav. G.A.Fridman) Khar'kovskogo meditsinskogo instituta.

ARKHIPENKO, V.I.

Interrelations between the rate of growth of Jensen's sarcoma and the state of the thyroid function. Pat. fiziol. i eksp. terap. 9 no.3:63-64 My-Je '65. (MIRA 18:9)

1. Kafedra gistologii Dnepropetrovskogo meditsinskogo instituta.

ARKHIPENKO, V. I.

ARKHIPENKO, V. I.: "The Thyroid Gland in Experimental Neurosis." Khar'kov State Medical Inst. Khar'kov, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya Letopis', No. 18, 1956.

ARKHIPENKO, V.I. (Khar'kov)

Thyroid gland in experimental neuroses. Probl. endok. i gorm. 2 no.1:42-50 Ja-F '56. (MLRA 9:10)

1. Iz kafedry gistologii (zav. - prof. B.V.Aleshin) Khar'kovskogo meditsinskogo instituta (dir. - dotsent I.F.Kononenko)
(THYROID GLAND, in various diseases,
exper. neurosis (Rus))
(NEUROSIS, experimental,
thyroid in (Rus))

ARKHIPENKO, V.I.

Thyroid gland in obstructive jaundice. Probl. endok. i gorm. 6 no. 5:55-62 '60. (MIRA 14:1)

(THYROID GLAND) (JAUNDICE)

ARKHIPENKO, Vladimir Kuzimich; KUDRYAVCHIKOVA, V., redaktor; TROYANOVSKAYA, N., tekhnicheskiy redaktor

[Metal is our strength] Metall - nasha sila. Moskva, Gos. izd-vo polit. lit-ry, 1956. 46 p.
(Metals) (MLRA 9:9)

ARKHIPENKO, Vladimir Kuz'mich; KUDRYAVCHIKOVA, V., red.; DANILINA, A., tekhn.red.

[Our beautiful river] Krasavitsa narodnaia. Moskva, Gos.izd-vo polit.lit-ry, 1959. 146 p. (MIRA 12:2)
(Volga Valley)

KUZ'MINA, I.S.; ARKHIPENKOVA, A. ; ...

Titanium-bearing sandstones and quartzites of the Zil'merdak Proterozoic series in the southern Urals. Sov.geol. 4 no.2:162-167 F '61.
(MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ... syr'ya.
(Ural Mountains--Mines and mineral resources)

ARKHIPENKOVA, A.Ya.

Petrography of eclogite in Shubino (Southern Urals). Biul. MOIP. Otd.geol. 37 no.4:134-135 Jl-Ag '62. (MIRA 16:5)
(Shubino region (Ural Mountains)—Eclogite)

ARKHIPENKOVA, A.Ye.

Omphacite and glaucophane from eclogites in the Southern Urals. Trudy Min.muz. no.16:198-204 '65.

(MIRA 18:8)

ARKHIPETS, Ye.Ya.; NOVOSPASSKIY, V.V., redaktor; RAKOV, S.I., tekhnicheskiy redaktor.

[Through Transcarpathia] Po Zakarpat'iu. Moskva, Izd-vo VTsSPS Profizdat., 1955. 7p.
(Transcarpathia--Description and travel) (MLRA 9:6)

ARKHIPETS, Ye.Ya. (Kiyev); BONDAROVICH, I.M. (Khar'kov); BULANOV, V.N. (Kiyev); GALUSKIN, V.B. (Kiyev); GOGOTSI, G.A. (Nikolayev); GORBUNOVA, N.N., (Kiyev); GORLITSKIY, B.A. (Kiyev); DYADYUSHA, G.G. (Kiyev); KATSMEL'SON, I.Ye. (Dnepropetrovsk); KVITCHUK, E.A. (Kiyev); KIRILLOV, I.A., (Krym) KONOPLYASOVA, N.S. (Chernovtsy); NIKOL'SKIY, V.V. (Kiyev); PONOMARENKO, A.A. (Stanislav); PESCHANSKIY, A.I. (Kiyev); POPOV, V.N. (Kiyev); PTASHNIKOVA, I.V. (Uzhgorod); STESHENKO, N.G. (Kiyev); CHAYKIN, M.M. (Vinnitsa); SHAPOSHNIKOVA, N.N. (Kiyev); SHPORTYUK, V.I. (Kiyev); YANKO, N.M. (Stalinskaya oblast'); SVECHNIKOVA, N., redaktor; SMORODSKIY, V., tekhnicheskiy redaktor

[Tourist routes through the Ukraine] Turistskie marshruty po Ukraine. Kiev, Izd-vo TsK LKSMU "Molod'," 1957. 368 p. (MLRA 10:8)
(Ukraine--Description and travel)

ARKHIPETS, Ye. [Arkhypets, IE.]; SHKOL'NIKOV, B., red.; PETRONYUK, L., tekhn.red.

[Across Transcarpatia] Po Zakarpattiu. Kyiv, Derzh.vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1959. 42 p. (MIRA 13:1)
(Transcarpatia--Description and travel)

ARKHIPETS, Ye.Ya.

[From Kiev to Yalta] Kiev-IAlta. Kiev, Gos.izd-vo izobraz. iskus. i muzykal'noi lit-ry USSR, 1962. 1 v.
(MIRA 17:11)

ARKHIPKIN, I.; RYBIN, V.

Who is guilty? Za rul. no.6:13 Je '57. (MLRA 10:7)
(Automobiles--Maintenance and repair)

ARKHIPKIN, I. M.; GINSBURG, V. N.

Work practices of the "Vostok Productior Combine in Moscow for the manufacture of standard shoes. Kozh. obuv. prom. 5 no. 12: 13-15 D '63. (MIRA 17:5)

ARKHIPKIN, V.

Building an ingot mold foundry at the "Zaporozhstal'" Plant. Prom. stroi. i inzh. soor. 5 no.5:3-8 S-O '63. (MIRA 16:12)

1. Nachal'nik tekhnicheskogo otdela tresta "Zaporozhstroy."

ARKHIPKIN, V.; DIKOVSKIY, I.

Band instead of wheel. New heat insulator. NTO 4 no.12:43 D '62. (MIRA 16:1)
(Grinding and polishing) (Insulation (Heat))

USSR / Pharmacology and Toxicology. Cardiovascular Agents V-6

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80594

Author : Filistovich, M. F.; Arkhipkina, N. M.
Inst : Not given
Title : The Effect of Dahur Rhododendron on the Activity of the Heart

Orig Pub : V sb.: Materialy k izuch. zhen'shenya i limonnika, vyp. 3, L., 1958, 224-227

Abstract : In tests on cats, the influence of a 10% aqueous tincture from the leaves of rhodendron (Rhododendron dahuricum; I) on the activity of the heart was studied in situ. A depression of the work of the heart was first caused in the animals by the intravenous introduction of 2% quinine chlorhydrate in a dosage of 2 ml/kg. On this basis, I in a dosage of 0.5 mg/kg causes a significant increase of the amplitude of heart contractions, and increases the rhythm

Card 1/2

ARKHIPOV, A., kolkhoznik

With our own hands. Sel'. stroi. 13 no. 7:8 Jl '58. (MIRA 11:8)
(Building)

MALYSHEV, G., kolkhoznik; VEBER, R.; ARKHIPOV, A.; BEGIROV, M.

Readers' letters. Sel'. stroi. 15 no.1:30 Ja '61. (MIRA 14:3)

1. Sel'khozartel' "Put' Lenina" Kupinskogo rayona. Novosibirskoy oblasti (for Malyshev). 2. Starshiy prorab Gor'kovskogo Zernosovkhoza Kokchetavskoy oblasti (for Veber). 3. Instruktor Bol'shemurashkinskogo rayonnogo doma kul'tury Gor'kovskoy oblasti (for Arkhipov). 4. Vneshtatnyy korrespondent zhurnala "Sel'skoye stroitel'stvo" (for Bagirov).
(Farm buildings)

ARKHIPOV, A.

Bonuses paid to workers in chemical enterprises. Sots. trud 6 no.9:118-122 S '61. (MIRA 14:9)

1. Vedushchiy ekonomist Nauchno-issledovatel'skogo instituta truda.
(Berezniki (Perm Province)--Chemical industries)
(Bonus system)

SHKURKO, S.; ARKHIPOV, A.

Improve the wage and bonus systems. Sots. trud 7 no.9:126-132 S '62. (MIRA 15:9)

(Wages—Machinery industry) (Bonus system)

ARKHIPOV, A. (s.Bol'shoye Murashkino, Gor'kovskaya oblast').

Twenty years on the post as motion-picture operator. Kinomekhanik no.6:12 Je '53. (MLRA 6:8)
(Bol'she-Murashkino District--Moving-picture projection) (Moving-picture projection--Bol'she-Murashkino District)

ARKHIPOV, A.

Each club to be provided with a motion-picture projection room. Pozh.delo 6 no.2:8-9 F '60. (MIRA 13:5)

1. Instruktor rayonnogo doma kul'tury, selo Bol'shoye Murashkino, Gor'kovskaya oblast'.
(Motion-picture theaters--Fires and fire prevention)

ARKHIPOV, A. (Bol'shoye Murashkino, Gor'kovskaya oblast'); KUTUZOV, Valeriy (Cherkessk, Stavropol'skiy kray); CHEREMKHIN, Yu. (g.Nakhodka, Primorskiy kray).

Young helpers of firemen. Pozh.delo 4 no.12:16-17 D '58.
(MIRA 11:12)

1. Nachal'nik Yunosheskoy dobrovol'noy pozharnoy druzhiny shkoly No.6 (for Kutuzov). 2. Starshiy inspektor pozharnoy chasti (for Cheremkhin).

(Firemen) (Youth)

ARKHIPOV, A.

Changes in forms and systems of wages in connection with the introduction of new wage scales. Biul.nauch.inform.:trud i zar. plata no.6:3-9 '59. (MIRA 12:9)
(Wages)

ARKHIPOV, A.

Corrosion or erosion. Rech. transp. 19 no. 6:60-61 Je :60.
(MIRA 14:2)

1. Starshiy inzhener sluzhby sudovogo khozyaystva Vyatskogo parokhodstva.
(Marine diesel engines) (Corrosion and anticorrosives)

ARKHIPOV, A.; BAKELOV, A.

On regulating wages in cement plants. Biul. nauch. inform.: trud i zar.plata no.10:20-30 '59. (MIRA 13:6)
(Cement industries--Production standards)
(Wages)

ARKHIPOV, A., polkovnik

Training field for reconnaissance specialists. Voen. vest. 40 no.11:53-57 N '60. (MIRA 14:11)
(Artillery, Field and mountain)

ARKHIPOV, A. (Bol'shemurashkinskiy rayon, Gor'kovskaya oblast')

A glorious anniversary. Sel'.mekh. no.3:28 '62. (MIRA 15:3)
(Panyshev, Avenir Nikolaevich)

KASSIROV, L., kand.ekonomicheskikh nauk; ARKHIPOV, A.

New phase in the development of Soviet agriculture. Komm.Vooruzh.-Sil 2 no.9:53-58 My '62. (MIRA 15:5)
(Agricultural policy)

ARKHIPOV, A. (Moskva)

Awarding bonuses to workers in machinery manufacturing. Sots. trud 7 no.4:62-66 Ap '62. (MIRA 16:1)
(Wages—Machinery industry) (Bonus system)

AKKRITOV, A.A., mashinist-instruktor.

How we take care of the TZZ diesel locomotive. Elek. i tepl. tiaga no.3:30-31 Mr '57. (MLRA 10:6)

1. Depo Petropavlovsk Omskoy dorogi.
(Diesel locomotives)

POLEKHA, A.M., inzh.; ARKHIPOV, A.A., mashinist-instruktor

Some recommendations concerning winter operation of TE3 diesel locomotives. Elek. i tepl. tiaga no.1:12-13 Ja '61. (MIRA 14:3)

1. Depo Petropavlovsk, Omskoy dorogi (for Arkhipov).
(Diesel locomotives—Cold weather operation)

ARKHIPOV, A.D.; GEMANOV, V.I.; GAYDAMAK, V.A., inzh.

Reducing the expenses for snow protection and removal. Put' i put. khoz. 7 no.10:24-26 '63. (MIRA 16:12)

1. Nachal'nik otdela puti Tayginskogo otdeleniya Zapadno-Sibirskoy dorogi (for Arkhipov). 2. Starshiy inzh. Tayginskogo otdeleniya Zapadno-Sibirskoy dorogi (for Gemanov). 3. Tayginskoye otdeleniye Zapadno-Sibriskoy dorogi (for Gaydamak).

LAPTEV, I.D , starshiy nauchnyy sotr.; BUYANOV, P.S., starshiy nauchnyy sotr.; KASSIROV, L.N., starshiy nauchnyy sotr.; TERYAYEVA, A.P., starshiy nauchnyy sotr.; SUVOROVA, L.I., starshiy nauchnyy sotr.; SIDOROVA, M.I., starshiy nauchnyy sotr.; SEMIN, S.I., starshiy nauchnyy sotr.; Prinimali uchastiye: ARKHIPOV, A.I., mladshiy nauchnyy sotr.; VAZYULYA, P.F., mladshiy nauchnyy sotr.; KARLYUK, I.Ya., mladshiy nauchnyy sotr.; KARNAUKHOVA, Ye.I., mladshiy nauchnyy sotr.; KHYLOVA, T.N., mladshiy nauchnyy sotr.; ROMANOVSKAYA, L.S., mladshiy nauchnyy sotr.; CHISTOV, G.N., mladshiy nauchnyy sotr.; POTAPOV, Kh.Ye., red.; GERASIMOVA, Ye.S., tekhn. red.

[Communal funds of collective farms and the distribution of collective farm income] Obshchestvennye fondy kolkhozov i raspredelenie kolkhoznykh dokhodov. Moskva, Izd-vo ekon. lit-ry, 1961. 386 p. (MIRA 15:3)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Sektor ekonomiki sel'skogo khozyaystva Instituta ekonomiki Akademii nauk SSSR (for Laptev, Buyanov, Kassirov, Teryayeva, Suvorova, Sidorova, Semin).
(Collective farms---Income distribution)

MAL'TSOV, K.A., kand.tekhn.nauk; ARKHIPOV, A.M., inzh.

Effect of certain liquids on the strength of reinforced concrete floors. Stroi. prom. 36 no.8:31-32 Ag '58. (MIRA 11:9)
(Floors, Concrete)

5(1)

AUTHORS: Arkhipov, A. M., Mal'tsov, K. A., Sokolov, I. B., Staritskiy, P. G. SOV/20-125-2-34/64

TITLE: On the Influence Exercised by Water on the Strength of Concrete (O vliyanii vody na prochnost' betona)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 2, pp 359-362 (USSR)

ABSTRACT: The strength of concrete in the case of elongation in the direction of axis R_d, of elongation in bending R_{db}, and compression R_d depends to a varying extent on the humidity content, composition and the nature of additions. The authors devoted special attention to the strength of concrete under elongation in the axial direction. The resistance to elongation R_d is the most important feature of concrete strength. The elongation mentioned determines the resistance to brittleness and therefore also the working properties of the construction, including durability (Refs 1-5) and working life. During the hardening process the present free water warrants cement hydration and increases the strength of concrete (Table 1).

Card 1/4

This indicates also that the same samples in dry state are twice as strong as water-saturated samples due to the physicochemical action of water contained in the pores of the concrete (Refs 6-10). Figure 1 shows that the strength of concrete and mortar decreases with increasing humidity content of the material. The above-mentioned dependence is expressed by a formula in the first approximation. If the samples are artificially overdried, the strength sometimes rapidly decreases, which must be taken into account in establishing the range of applicability of the formulas. Though the reduction of strength by saturation with water has been known already since a long time and even a"softening coefficient" has been introduced, no satisfactory physical explanation of the problem was given before 1946 when Rebinder (Ref 13) filled the gap. He proved that each pore filled with water serves as a container which feeds adsorption films covering the old and new free surfaces of defects and cracks. It was shown that the ratio of water: cement (w : c) has only an insignificant effect on concrete strength under elongation but determines the degree of possible saturation with water. The results of experiments made in order

to check the above-mentioned considerations are given in figures 1 : 3. In this case, the ratio of w : c determined only the reduction of strength by a forced saturation with water, the degree of which rises with an increase of w : c. A very important conclusion may be drawn therefrom: it is useful to reduce the capability of concrete to absorb water in order to increase its strength. This fact has been utilized for practical purposes already since a long time as confirmed by the use of rigid, little porous concrete and by the introduction of various additions (Table 2). It should be taken into account, however, that only certain additions can be recommended for the individual purposes (hydrotechnic concrete, civil building-trade). There are 2 figures, 2 tables, and 20 references, 19 of which are Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy institut gidrotekhniki im. B. Ye. Vedeneyeva (Scientific Research Institute of Hydrological Engineering imeni B. Ye. Vedeneyev)

On the Influence Exercised by Water on the Strength of Concrete SOV/20-125-2-34/64

PRESENTED: November 21, 1958, by P. A. Rebinder, Academician

SUBMITTED: September 10, 1958

Card 4/4

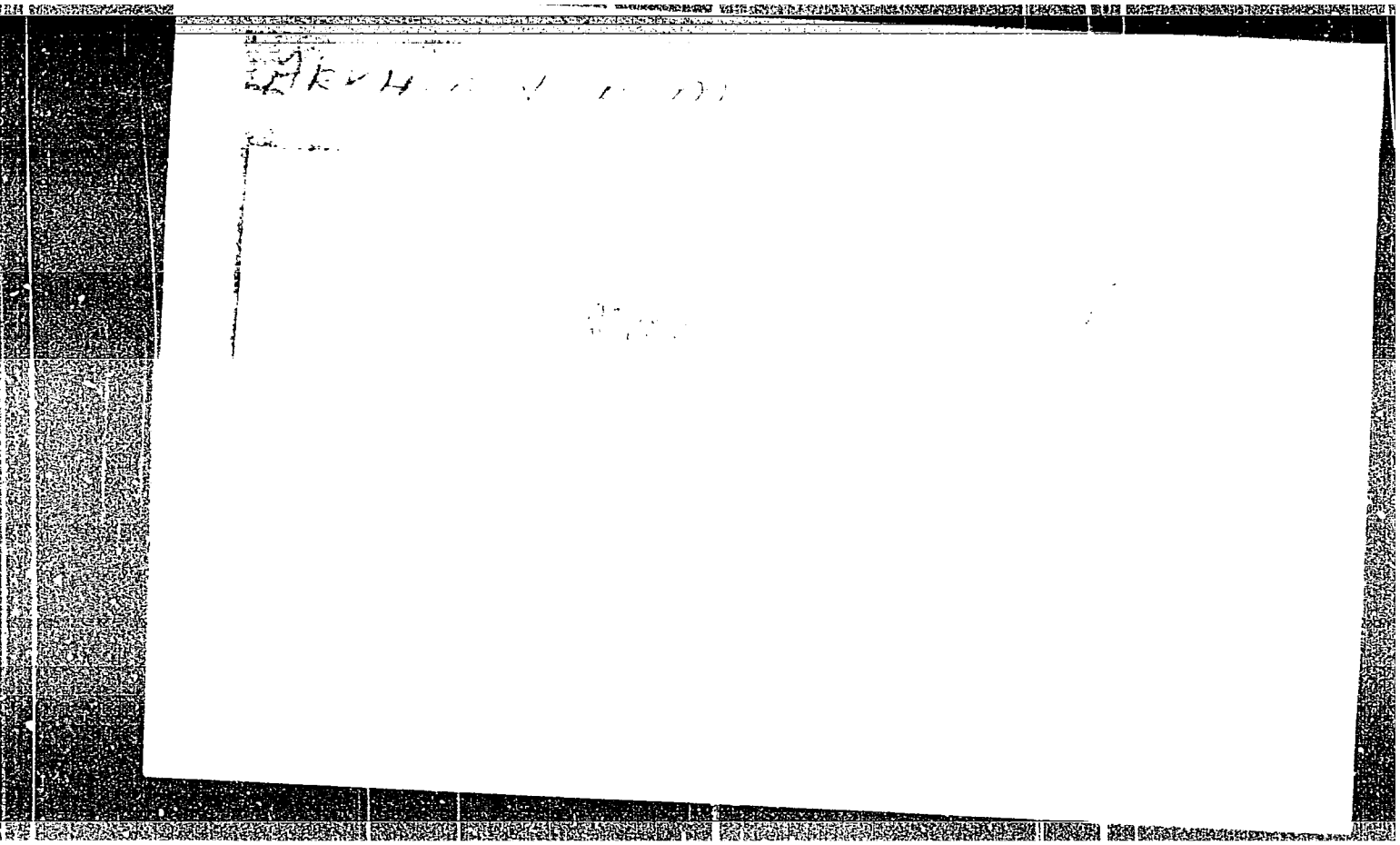
ARKHIPOV, A. I. Cand Tech Sci

Dissertation: "Factors Having Effect on Whitening East Iron Poured into Metal Molds."

15/5/50

Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman

SO Vecheryaya Moskva
Sum 71



ARKHIPOV, A.M., kandidat tekhnicheskikh nauk.

Heat treatment of cast iron poured in metal forms. [Trudy] MVTU no.70:92-100 '56. (MLRA 9:9)

(Cast iron--Heat treatment)

ARKHIPOV, A.M., kandidat tekhnicheskikh nauk.

Wear of cast iron poured in metal forms. [Trudy] MVTU no.70:101-106 '56. (MLRA 9:9)

(Cast iron) (Mechanical wear)

ARKHIPOV, A. M., Cand. Tech. Sci.;

"Heat Treatment for Improving the Properties of Cast Iron Teemed in Metal Molds," Termicheskaya obrabotka i prochnost' metallov i splavov; sbornik statey (Heat Treatment and Strength of Metals and Alloys; collection articles) Moscow, Mashgiz, 1958, 177 p. (

Author's Conclusions: Temper hardening is necessary for obtaining a uniform structure along the cross section of the specimen, for increasing hardness and wear resistance, and for improving the mechanical properties of the cast iron. 2. Quenching results in an increase in hardness and a decrease in strength. 3. Tempering at a temperature and 350-450°C. results in a uniform structure, decreased internal stresses, and maximum possible tensile strength, together with reduced hardness. 4. Quenching of cast iron teemed in metal molds is more effective than quenching of ordinary gray iron, since in the former case the graphite inclusions, strongly affecting the mechanical properties, differ greatly in shape, size, and distribution from those in ordinary gray iron.

ARKHIPOV, A. M., Cand. Tech. Sci.;

"Effect of Silicon Content on the Mechanical Properties of Cast Iron Temmed in Metal Molds," Termicheskaya obrabotka i prochnost' metallov i splavov; sbornik statey (Heat Treatment and Strength of Metals and Alloys; Collection Articles) Moscow, Mashgiz, 1958, 177 p.

V0.139

The author's investigation shows that the graphitizing action of silicon in cast iron is at its maximum when the silicon content is about 3 per-cent. Five heats of gray iron were studied, the specimens differing only in their silicon content (1.41%, 1.63%, 1.84%, 2.16%, and 2.37%) and in the method of casting (in permanent metal molds and in loam molds). Results showed that both tensile strength and hardness decreased as the silicon content increased, regardless of the type of mold, but that the tensile strength of the specimens cast in metal molds exceeded that of those cast in loam molds by about 1.5 percent. A linear relationship between tensile strength and silicon content was established, and an empirical formula derived for calculating the tensile strength of a specimen of known silicon content. It was established that the chilled surface layer of castings made in permanent molds is much harder than the core of such castings while there is much less difference in the hardness of the surface layer and core of castings made in loam molds.

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 161 (USSR) SOV/137-58-11-22952

AUTHOR: Arkhipov, A. M.

TITLE: Heat Treatment for the Upgrading of the Properties of Iron Cast Into a Metal Mold (Termicheskaya obrabotka dlya uluchsheniya svoystv chuguna, otlitogo v metallicheskuyu formu)

PERIODICAL: V sb.: Term. obrabotka i prochnost' metallov i splavov. Moscow, Mashgiz, 1958, pp 125-138

ABSTRACT: An investigation of the effect of heat treatment on the structure and the properties (H_B, σ_b) of gray iron from five batches containing (in %) C 3.35, Mn 0.38, P 0.25, S 0.07, and various quantities of Si 1.41, 1.63, 1.84, 2.16, and 2.37. The smelting was carried out in a 80-kw high-frequency furnace in a graphite crucible of 50-kg capacity. 200x70x40-mm specimens were cast vertically into a cast-iron mold with walls 20 mm thick, were heated to 250°C, remained in the mold until the temperature reached 200 - 300°, and then were cooled in air. After annealing at 900° (4 hours) the specimens were forged to 16x16-mm size and then underwent the following heat treatment: Quenching from 900° (30 min) in water or oil, annealing for

Card 1/2

Heat Treatment for the Upgrading of the Properties of Iron Cast (cont.)

2 hours at 200, 300, 400, 500, and 600°. For comparison specimens were also cast in sand-and-clay molds. It is established that heat treatment improves the properties of iron as follows: H_B from the initial 255 to 522 - 578 (tempered at 200°) and to 444 - 460 (tempered at 400°) and σ_b from the initial 27.5 kg/mm^2 to 42.2 kg/mm^2 (tempered at 400°).

T. F.

Card 2/2

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 228 (USSR) SOV/137-58-11-23441

AUTHOR: Arkhipov, A. M.

TITLE: The Effect of Silicon Content on the Mechanical Properties of Pig Iron Cast in a Metallic Mold (Vliyaniye soderzhaniya kremniya na mekhanicheskiye svoystva chuguna, otlitogo v metallicheskuyu formu)

PERIODICAL: V sb.: Term. obrabotka i prochnost' metallov i splavov. Moscow, Mashgiz, 1958, pp 139-146

ABSTRACT: In addition to being influenced by the chemical composition and the structure of the metallic mass, the mechanical properties of cast iron (CI) are also significantly affected by the quantity, size, shape, and the nature of the distribution of the graphite. Owing to its "notching" action, which manifests itself in a reduction of the area of the basic metallic mass and formation of local stress concentrations, the graphite impairs the mechanical properties of the CI. A table is given showing the relationship between the mechanical properties of the CI and the quantity and shape of the graphite deposits contained in it. The effect of the Si content on the process of graphitization was also investigated. It was established that the

Card 1/2

graphitizing action of the Si is particularly prominent if it is present in concentrations up to 3%. Since the Si also influences the mechanical properties of CI, an investigation was carried out in order to evaluate the effects of the concentration of this element on certain properties (σ_b and H_B) of pig iron which had been cast in a metallic mold. It was established that the σ_b decreases as the Si content is increased. The σ_b of pig iron which had been cast in a metallic mold is always greater than that of pig iron which had been cast in a sand mold. The hardness of the CI increases with increasing concentration of Si. Pig iron cast in a metallic mold possesses a greater hardness than pig iron cast in a sand mold.

A. S.

S/081/61/000/019/055/085
B117/B110

AUTHORS: Mal'tsov, K. A., Sokolov, I. B., Arkhipov, A. M.

TITLE: Importance of concrete saturation with water to the problem of the influence of the water-cement ratio on its strength

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 317, abstract 19K326 (Izv. Vses. n.-i. in-ta gidrotekhn., v. 64, 1960, 85 - 100)

TEXT: The effect of water on the strength of concrete has been studied. It has been shown that the strength of concrete is considerably influenced by saturation with water during tests, but not by the initial water-cement ratio. [Abstracter's note: Complete translation.]

Card 1/1

ACCESSION NR: AP4017165

S/0138/64/000/002/0024/0027

AUTHORS: Yurovskiy, V. S.; Arkhipov, A. M.; Lepetov, V. A.; Kosenkova, A. S.; Novikov, V. I.; Tsy*buk, B. S.

TITLE: Investigation of sealing effectiveness of rubber metal seals

SOURCE: Kauchuk i rezina, no. 2, 1964, 24-27

TOPIC TAGS: rubber metal seal, sealing, rubber hardness, sealing force, rubber SKS 30

ABSTRACT: The rubber-metal sealing configuration shown in Fig. 1 on the Enclosure was investigated, using rubber inserts with different properties (TM-2 hardness 85-95, 75-85, and 55-65). It was found that the hardness of the rubber insert played the most important part in securing the sealing effectiveness. Experiments showed that hardness was related to the modulus of elasticity E_{60} (after a 60-minute compression) by a single curve for all types of rubber used ($E_{60} = \frac{F}{S_o} \cdot \frac{h_1}{h_o - h_1}$; S_o = initial area). By pushing the metal ring into the rubber seal to a depth h and pressurizing the seal with air until it leaked, it was determined

Card 1/3

ACCESSION NR: AP4017165

that the following relation described the critical pressure:

$$P_{cr} = \left(\frac{Q}{\pi d_{cp} b} - nE_{oo}\frac{h}{h_o}\right)\frac{Kd_{cp}b}{r_1^2}, kg/cm^2$$

(where Q = load on seal, for d_{cp}, b, h_o and r, see Fig. 1, K = empirical constant which varied from 0.85 to 0.95, n = empirical constant which varied from 2 to 2.5). This equation permits the calculation of the pressure at which a seal will leak or, conversely, calculation of the sealing force Q required to seal a joint at a certain pressure. Orig. art. has: 5 figures and 2 formulas.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promy*shlennosti (Scientific Research Institute of the Rubber Industry)

SUBMITTED: 00 DATE ACQ: 23Mar64 ENCL: 01

SUB CODE: MT NO REF SOV: 007 OTHER: 000

Card 2/3

ACCESSION NR: AP4017165

ENCLOSURE: 01

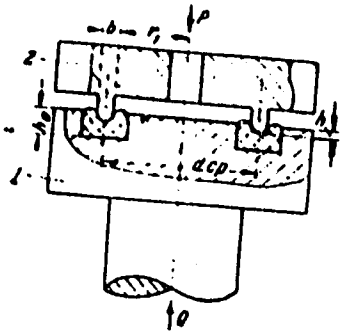


Fig. 1. Schematic of rubber-metal seal; 1- rubber-metal detail; 2-seat.

Card 3/3

YUROVSKIY, V.S.; ARKHIPOV, A.M.; KOSENKOVA, A.S.; LEPETOV, V.A.; TSYBUK, B.S.

Methodology of accelerating the determination of warranted storage life of metal-rubber valves. Kauch.i rez. 23 no.11: 10-13 N '64. (MIRA 18:4)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

ARKHIPOV, A.M., inzh.; ZHDANOV, V.I., inzh.; ROGATSKIN, B.S., inzh.

Prestart cleaning of water and steam conduits of a 300 Mw. [redacted] Elek. sta. 36 no.11:14-20 N '65. (MIRA 18:10)

MAL'TSOV, K.A., starshiy nauchnyy sotrudnik, kand.tekhn.nauk; SOKOLOV, I.B., inzh.; ARKHIPOV, A.M., inzh.

Water saturation and influence of the water-cement ratio on the strength of concrete. Izv.VNIIG 64:85-100 '60. (MIRA 14:5)
(Concrete)

Артамонов, М.И.

KHRAMENKOVA, R.M.; UTKIN, A.G.; ARTAMONOV, M.I., pomoshchnik mastera i uchashchiysya vechernego tekhnikuma; KORCHAGIN, A.T., pomoshchnik mastera i uchashchiysya vechernego tekhnikuma; ARKHIPOV, A.P., pomoshchnik mastera i uchashchiysya vechernego tekhnikuma.

Needed brochure on carpet weaving ("Mastering wide, double-sheeting Jacquard looms for carpet weaving" by B.E. Fedosenko. Reviewed by R.M. Khramenkova and others). Tekst. prom. 17 no.8: 66 Ag '57. (MLRA 10:9)

1. Zaveduyushchiy tekhnicheskoy bibliotekoy Lyuberetskogo kombinata (for Khramenkov). 2. Nachal'nik tkatskogo tsekha Lyuberetskogo kombinata (for Utkin).

(Jacquard weaving) (Fedosenko, B.E.)

ARKHIPOV, A.P.

Beauty and perfect organization of work. Mashinostroitel' no.4:32-34 Ap '62. (MIRA 15:5)
(Industrial management)

AZROVA, TS.S.; ARKHIPOV, A.P.; VINOGRADOV, A.V.; GRABOVSKIY, I.V.; GRISHINA, R.I.; DMITRIYEV, P.D.; DUBINSKIY, Ye.L.; ZABRODIN, B.V.; KOLOTIY, M.V.; KRASNOV, B.S.; KURDYUKOVA, N.V.; L'VOVA, Yu.M.; OBUKHOVA, A.V.; FOMIN, V.G.; MEDVEDEVA, M.A., tekhn. red.

[Album of drawings of TE3, TE7, TE2, TE1, TEM1, and TU2 diesel locomotives; electric apparatus] Al'bom chertezhei teplovozov TE3, TE7, TE2, TE1, TEM1 i TU2; elektricheskie apparaty. Moskva, Transzheldorizdat. Vol.2. 1963. 394 p. (MIRA 16:9)

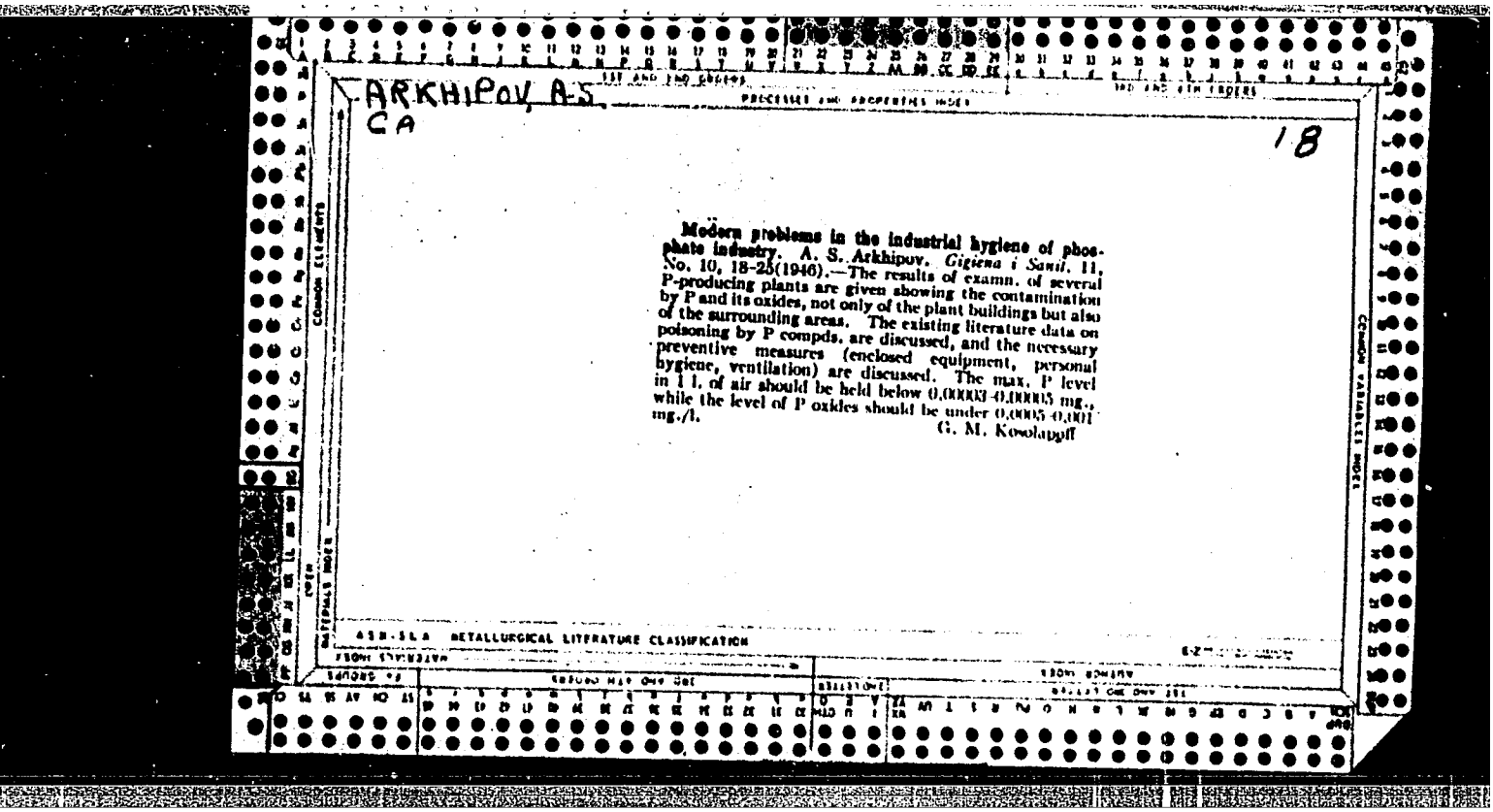
1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo khozyaystva.

(Diesel locomotives--Electric equipment)

ARKHIPOV, A.P.

Juvenile's inner attitude and a teacher. Vop.psikhol. 9 no.2:117-124 Mr-Ap '63. (MIRA 16:4)

1. Pedagogicheskiy institut, Kuybyshev.
(Educational psychology)



ARKHIPOV, A.S.
CA

18

Modern problems in the industrial hygiene of phosphate industry. A. S. Arkhipov. *Gigiena i Sanit.* 11, No. 10, 18-25(1946).—The results of examn. of several P-producing plants are given showing the contamination by P and its oxides, not only of the plant buildings but also of the surrounding areas. The existing literature data on poisoning by P compds. are discussed, and the necessary preventive measures (enclosed equipment, personal hygiene, ventilation) are discussed. The max. P level in 1 l. of air should be held below 0.00003-0.00005 mg., while the level of P oxides should be under 0.0005-0.001 mg./l.

G. M. Kosolapoff

ARKHIPOV, A. S.

37505. Osnovnyye Voprosy Gigiyeny Truda V Khmicheskoy Promyshlennosti. V Sb: XII Vsesoyuz. S"yezd Gigiyenistov, Epidemiologov, Mikrobiologov i Infektsionistov. M.I.M., 1949, s. 142-46.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

CA
ARKHIPOV, A.S.

20

Hygienic significance of deposition of toxic substances in building materials. A. S. Arkhipov, Z. A. Rozenberg, and V. G. Smirnova (State Ind. Hyg. Research Inst., Gorki). *Gigiena i Sanit.* 1950, No. 3, 31–7.—Appreciable amts. of toxic substances (Et_4Pb, C_6H_6, P, CS_2, Hg, $ClCH_2CH_2Cl$) are found in the structural materials of industrial buildings, such as lumber, brick, concrete, and plaster. Substances like $ClCH_2CH_2Cl$ usually reach max. absorption values within 1.5 hrs. of exposure, but Et_4Pb absorbs more slowly (20 hrs. or longer). The time of av. exposure, concn., nature of the materials and other factors affect the amts. of absorbed material. Oil paints are very susceptible to uptake of chlorinated solvents, but that of CS_2 is sharply reduced. Plaster compn. of 1 part lime (contg. SiO_2 33, CaO 66, and Al_2O_3 3%), 10 parts slag (SiO_2 33, FeO-Fe_2O_3 20–30, MnO 10–30%), and 3 parts sand shows little or no absorption of Et_4Pb.

G. M. Kosolapoff

ARKHIPOV, A.S.; LETAVET, A.A.; PAKHOMYCHEV, A.I.; SMELYANSKIY, Z.B.; FRIDLYAND, I.G.; KHOTSYANOV, L.K.

N.A.Vigdorchik; obituary. Gig. i san. no.12:54-55 D '54. (MLRA 8:2)
(VOGDORCHIK, NIKOLAI ABRAMOVICH, 1874-1954)

ARKHIPOV, A.S., dotsent

Maximum permissible phosphorus oxide concentration in the atmosphere. Pred.dop.kontsent.atmosf.zagr. no.2:17-28 '55.
(MIRA 10:11)

1. Iz Gor'kovskogo instituta gigiyeny truda i profzabolevaniy.
(AIR--POLLUTION) (PHOSPHORUS OXIDE)

ARKIPOV, A.S.

USSR

Purification of ventilation air from tetraethyllead. A. S. Arkhipov, P. I. Bogatkov, I. V. Oreshkevich, and N. V. Serednitska (Inst. Ind. Hyg. and Occupational Diseases, Gorki). *Gigiena i Sanit.* 1955, No. 3, 11–16.—Small amts. of Et_4Pb are best removed from circulating air with a 2:8 mixt. of kerosine-H_2O at a flow rate of 0.3 m./sec. The degree of purification is 90–6%. NaOH (10%), 1–3% solns. of soap as well as Cl-H_2O, polyglycol ethers, lubricating oils, all in combination with H_2O gave much less effective results. The results are not regarded as satisfactory for the adequate removal of Et_4Pb from the public health point of view.

G. M. Kosolapoff

62
(3)

ARKHIPOV, A. S.

Subject : USSR/Medicine AID P - 3668

Card 1/1 Pub. 37 - 14/19

Author : Arkhipov, A. S., Dotsent

Title : Conference of Institutes of Hygiene on the Problem of Ionizing Radiation

Periodical : Gig. i. san., 11, 52-56, N 1955

Abstract : Summaries of reports presented at the above conference, called by the Academy of Med. Sci., USSR, and its Institute of Industrial Hygiene and Occupational Diseases in Moscow, July 28-30, 1955. This was the first Conference on the Problems of Ionizing Radiation from the medical point of view organized in the Soviet Union, with the assistance of more than 300 scientific workers, sanitary inspectors and physicians, from 37 cities.

Institution : Institute of Industrial Hygiene and Occupational Diseases, Acad. of Med. Sci., USSR.

Submitted : No date

LETAVET, A.; KHOTSYANOV, L.; ARKHIPOV, A.; SMELYANSKIY, Z.; KIMBAROVSKIY, Ya.; PASTERNAK, A.; FONGAUZ, M.; ARNOL'DI, I.; BYKHOVSKIY, B.; GORKIN, Z.; ZHISLIN, L.; ZAIDSHNUR, I.; KOYRANSKIY, B.; MILLER, S.; NAVTROTSKIY, V.

Professor S.M.Aranovskii; obituary. Gig. i san. 21 no.10:62 O '56.
(MLRA 9:11)

(ARANOVSKII, SOLOMON MOISEEVICH, 1885-1956)

Name: ARKHIPOV, Andrey Sergeyevich

Dissertation: Hygienic significance of polution of the atmosphere of factory areas of chem products

Degree: Doc Med Sci

Affiliation: [not indicated]

Defense Date, Place: 25 Jan 57, Council of the Department of Hygiene, Microbiology, and Epidemiology of the Academy of Med Sci USSR

Certification Date: 4 May 57

Source: BMVO 15/57

ARKHIPOV, A. S.

203. ARKHIPOFF A. S. *Hygienic significance of pollution of the atmosphere on the territory of chemical plants (Russian text)* Gigiena 1957, 2 (22—31) Graphs 1 Tables 4

On the territory of chemical plants pollution of the atmosphere is characterized by a great number of sources of pollution, by the presence of 2 zones of discharge (the upper and the lower) and by a considerable irregularity of discharge of waste products and the complex nature of pollution of the atmosphere. The zones with the heaviest pollution, for each separate industrial process, are situated differently: 250 m. from the place of waste discharge in the production of red and yellow phosphorus, 500 m. in the production of concentrated sulphuric acid and 500-750 m. in the production of tetraethyl lead and ethyl liquid. Pollution of the atmosphere of the plant's territory is due to the accumulation of toxic substances in the snow on the ground and the surface of the buildings. On account of the results of these investigations, it becomes necessary to alter the current hygienic standards. The author of this work proposes that the maximum allowable concentration of tetraethyl lead in the air of the working premises to be 0.005 mg./cu.m. and in the outside atmosphere to be 0.0005 mg./cu.m., concentration of compounds of phosphorus in the atmosphere to be 0.15 mg./cu.m. (at one time) and 0.05 mg./cu.m. (average for the day).

ARKHIPOV, A.S.; MASLOV, L.M.; PUL'KIS, S.A.; SOKOLOV, M.K.; SOKOLOV, N.P.; SUBBOTIN, F.N.; SHUMILOVA, A.M.

Professor K.M.Grechishchev; obituary. Gig. i san. 22 no.6:92-93 Je '57. (MIRA 10:10)

(GRECHISHCHEV, KSENOFONT MIKHAILOVICH, 1873-1957)

ARKHIPOV, A.S. (Moskva)

Institutes of industrial hygiene and occupational diseases in the U.S.S.R. during the past 40 years. Gig.truda i prof.zab. 2 no.1: 49-56 Ja-F '58. (MIRA 11:3)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.
(INDUSTRIAL HYGIENE--STUDY AND TEACHING)
(INDUSTRIAL MEDICINE--STUDY AND TEACHING)

ARKHIPOV, A.S. (Moskva)

Current problems of labor hygiene in the chemical industry. Gig. truda i prof. zab. 4 no.1:4-9 Ja '60. (MIRA 15:3)

1. Institut gigiyeny truda i professional'nykh zabolevaniy AMN SSSR.

(CHEMICAL INDUSTRIES--HYGIENIC ASPECTS)

ARKHIPOV, A. S.; BOYTSOV, A. N.; MARCHENKO, Ye. N. (Moskva)

Pollution with toxic substances in the atmosphere of chemical factories. Gig. truda i prof. zab. no.1:3-8 '62.
(MIRA 15:2)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.

(AIR--POLLUTION)

ARKHIPOV, A. S. (Moscow)

Radiation factor in the aspect of hygienic and biological study. (Results of the enlarged symposium on problems of industrial hygiene in work with radioactive substances and sources of ionizing radiations). Biologia 17 no.3:56-60 '62.

1. Institut gigiyeny truda i profzabolevaniy akademii meditsinskikh nauk SSSR.

(INDUSTRIAL MEDICINE) (RADIOACTIVITY)

ARKHIPOV, A.S., prof.

[Occupational hygiene in the chemical industry] Gigiena truda khimicheskikh proizvodstv. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 44 p. (MIRA 17:11)

ARKHIPOV, A.S., prof.

Basic problems of control of occupational poisoning in chemical industries. Zhur. VKHO 9 no. 3:325-331 '64. (MIRA 17:9)

ARKHIPOV, A.S.; KOZLOV, Yu.P.

Inhibition of autolysis by substances capable of radical polymerization. Radiobiologiia 5 no.4:616-617 '65.
(MIRA 18:9)

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

DAVYDOV, B.S., gornyy inzh.; ARKHIPOV, A.V., gornyy inzh.

Self-propelled unit for sprinkling excavation stopes. Gor. zhur. no.5:74 My '65. (MIRA 18:5)

1. Severnyy gorno-obogatitel'nyy kombinat, Krivoy Rog.

ARKHIPOV, A.Ya.; ALTAYEVA, N.V.; BAYBULATOVA, Z.K.; VISKOVSKIY, Yu.A.; GOLENKOVA, N.P.; KRAVCHENKO, M.F.; KUPRIN, P.N.; LEVIN, A.I.; POL'STER, L.A.; SEMOV, V.N.; SYRNEV, I.P.; USHKO, K.A.; SHOLOKHOV, V.V.; Prinimali uchastiye: RODIONOVA, M.K.; CHEL'TSOV, Yu.G.; KUZNETSOV, Yu.Ya., kand. geograf. nauk, nauchnyy red.

[Geology and oil and gas potentials of the south of the U.S.S.R.; Kara-Bogaz-Gol (Gulf) region (eastern part of the Middle Caspian oil- and gas-bearing basin).] Geologiia i neftegazonosnost' iuga SSSR; Prikarabozaz'e (vostochnaia chast' Srednekaspiiskogo neftegazonosnogo basseina). Leningrad, Nedra, 1964. 300 p. (Trudy Nauchno-issledovatel'skoy laboratorii geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti no.12).

KUPRIN, P.N.; ARKHIPOV, A.Ya.

Outlook for finding oil and gas in the northern foothills of the western Kopet-Dag. Geol. nefti i gaza 7 no.5:16-22 My '63. (MIRA 16:6)

1. Moskovskiy gosudarstvennyy universitet.
(Kopet-Dag region--Petroleum geology)
(Kopet-Dag region--Gas, Natural--Geology)

KUPRIN, P.N.; ARKHIPOV, A.Ya.; MIRZAKHANOV, M.K.

New data on the geology of the western part of the Porsokupskoye Plateau in the southern Kara-Bogaz-Gol region in connection with oil and gas potentials. Vest.Mosk.un.Ser. 4:Geol. 18 no.2:37-49 Mr-Ap '63. (MIRA 16:5)

1. Kafedra geologii i geokhimii goryuchikh iskopayemykh Moskovskogo universiteta.

(Kara-Bogaz-Gol (Gulf) region--Geology)

LOBANOV, P.; BREZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.; SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUNTSYAN, I.; KOLESHNIKOV, V.; YEVTUSHENKO, A.; ZASYADNIKOV, T.; ALISOV, M.; UTEKHIN, A.; GORSHKOV, I.; BELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.; BAKHAREV, A.; TIKHONOVA, A.; KUZ'MIN, A.; BUZULIN, G.; TOLMACHEV, I.; LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVLOVSKAYA, N.; ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.; TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.

P.N. IAkovlev; obituary. Agrobiologiia no.6:119 N-D '57.
(MIRA 10:12)

(IAkovlev, Pavel Nikanorovich, 1898-1957)

L 62171-65 EEO-2/EWT(d)/FSS-2/EWT(1)/EWT(m)/EWP(w)/...
T/EWP(t)/EWA/EED-2/EWP(...)...

ACCESSION NR: AP5...

AUTHORS: Arkhipov, ... (Moscow); Stepanov, Yu. S. (Moscow)

TITLE: On the reaction pulse during crater formation and on simulation of the impact process

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1965, 120-126

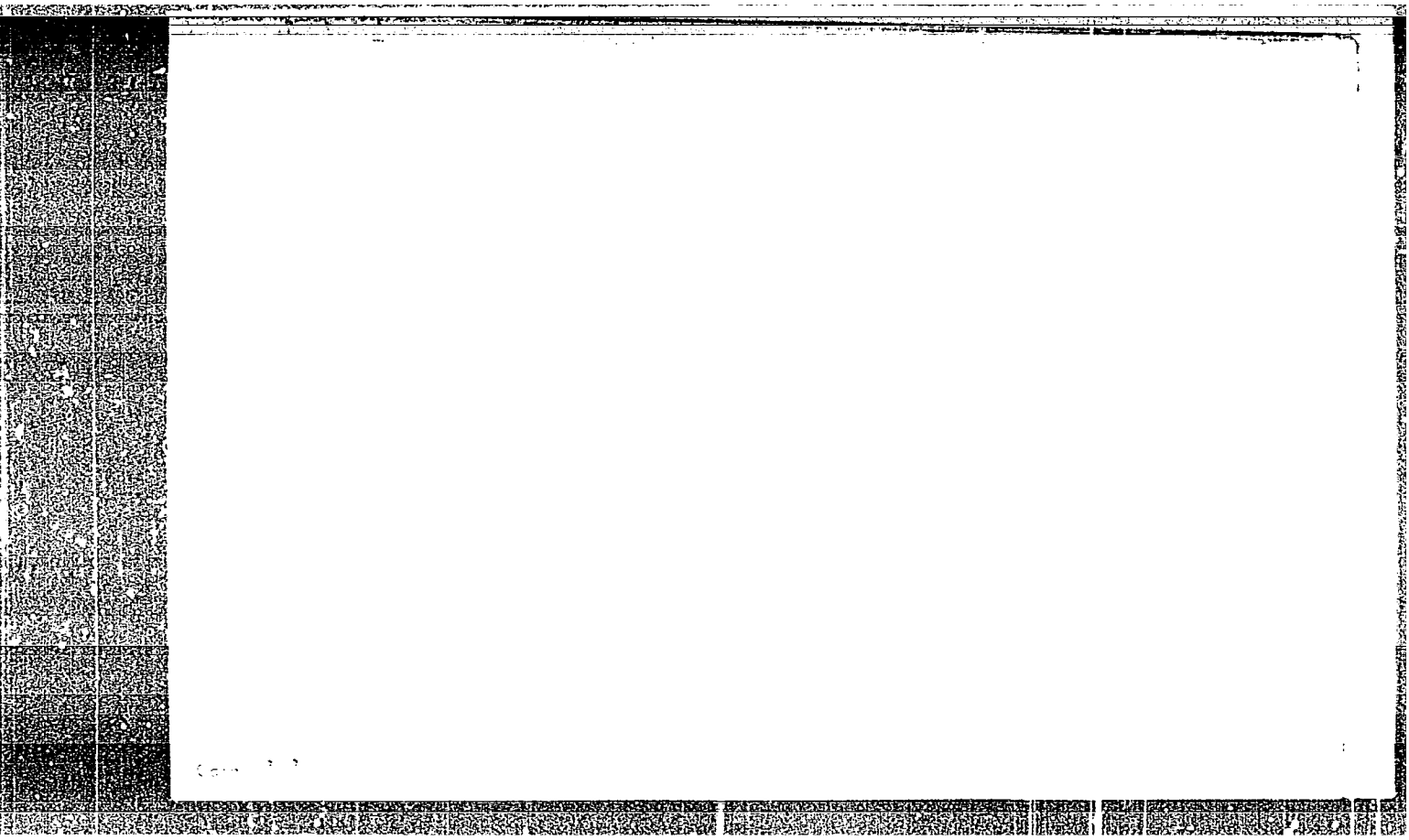
TOPIC TAGS: cratering, momentum transfer, impact shock, impact testing, hypervelocity projectile, St 20 steel, St 30 steel, St 45 steel, chronometer, P 500 polyethylene, SKB ...

wh[illegible]

[illegible] and r, is the mass of the target. The following materials were used as targets: d, Bi, [illegible] synthetic rubber SKB, butyl-rubber, polys[illegible] [illegible]ethylene [illegible] [illegible]les were [illegible] mm diameter spheres and [illegible]

[illegible] table shows the [illegible]

[illegible] evaluating these results [illegible]



ARKHIPOV, B.A.; KOMAROV, Yu.S.; TITKO, B.S.; CHERNUKHA, V.Kh.; BALMASOV, Ye.Ya., kand. tekhn. nauk, nauchn. red.; ALYAKRINSKIY, A.K., insh., nauchn. red.; POSTNOVA, I.D., red.; PETRENKO, V.M., tekhn. red.

[Wood processing at the Bratsk Woodworking Combine] Podgotovka drevesiny na Bratskom lesopromyshelnnom komplekse. Moskva, TSentral'nyi nauchno-issl. in-t informatsii i tekhniko-derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1963. 22 p. (MIRA 16:11)
(Bratsk--Woodworking industries)