RADCHENKO, G.A., kandidat tekhnicheskikh nauk; BELOBORODOV, P.V., gornyy inzhener; TSOY, S., gornyy inzhener

1.1-1

Calculating ventilation of areas in the secondary crushing horizon as applied to stage ore crumbling systems. Bro'ba s sil. 2:159-172 '55. (MLRA 9:5)

1. Institut gornogo dela Akademii nauk Kazakhskoy SSR. (MINE VENTILATION) (DUST--PREVENTION)



RADCHENKO, 0.A. Dust formation during secondary ore breaking by surface explosive charges in sublevel caving systems. Trudy Inst. gor. dela AN Lasakh. SSR 1:93-98 '56. (MIRA 11:1) (Mining engineering) (Mine duste)

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NAUGHENAD, G.A.

RADCHENKO, G.A.

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Determining the area range of gas and dust scattering during secondary breaking by surface explosive charges. Trudy Inst. gor. dela AN Kazakh. SSR 1:99-103 '56. (MIRA 11:1) (Blasting) (Mine ventilation)









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11.7410 Radchenko, G. A., and Beloborodov, P. V. AUTHORS: The fields of high-dispersed aerosol concentration in air conduits TTTLE: PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1961, 76, abstract 3B513 (Tr. Soveshchaniya po prikl. gaz. dinamike, 1956. Alma-Ata, AN KazSSR, 1959, 223-229. Diskus., 229-230) The authors present results of an experimental investigation of the dustiness of a stream by means of a model of a mine air conduit consisting of a metallic pipe of quadratic cross section having a width of a = 0.35 m and a length of 20.9 m. Mine dust ($\gamma = 2.5 \text{ g/cm}^3$) with about 1.32 micron in particle diameter was added to the stream. The dust consumption was maintained equal to 10 g/min. The experiments were conducted at 5 speeds within the range from 3.5 to 7.5 m/sec (for values of the Reynolds number from 1 up to 2×10^{5}). The curves of velocity- and dustiness distribution were taken at 7 cross sections of the conduit. The steady concentration field was found at a distance of about 50 a from the first point of dust supply into the stream. As a result of the Card 1/2

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RADCHENKO, G.A.; KUSTOV, V.N.; MAYLYBAYEV, E.A.

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RADCHENKO, G.A.; MYLYBAYEV, E.A.; KUSTOV, V.N. Dust formation during blasting operations in stopes with chamber and pillar mining systems. Trudy Inst. gor. dela AN Kazakh. SSR 7:175-182 °6(. (Blasting) (Mine dusts)





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Characteristics of dust dynamics in the ventilating of a stoping panel with a flat limited jet. Izv.AN Kazakh.SSR.Ser.gor.dela no.2:107.113 '61. (MIRA 15:2) (Mine ventilation)



RADCHENKO, G.A.; MAYLYBAYEV, E.A.; KOLOMEYTSEV, Yu.P.

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RADCHENKO, G.A.; MAYLYBAYEV, Z.A.

Effect of a nonisokinetic condition on the results of taking dust samples from air currents. Bor'ba s sil. 5:265-272 '62. (MI^RA 16:5)

1. Institut gornogo dela AN KazSSR. (Dust removal)

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Efficient length of stoping with regard to the dust factor in the panel-pillar system of working. Vest. AN Kazakh. SSR 19 no.9:93-102 S '63. (MIRA 16:11)

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RADCHENKO, G.A.; KOLOMEYTSEV, Yu.P.; PRIKHOD'KO, V.Ye.

14-15

Dust and ventilation regime in the operation of self-propelled equipment in pits of the Dzhezkazgan Mine. Trudy Inst. gor. dela AN Kazakh. SSSR 10:181-194 '63. (MIRA 16:8)

(Dzhezkazgan District---Mine ventilation)

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Ventilation of a stope panel by a circulated jet in feeding it through a mined-out area. Trudy Inst. gor. dela AN Kazakh. SSR 11:143-154 '63. (MIRA 16:8)

(Mine ventilation)

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RADCHENKO, G.A.; MAYLYBAYEV, E.A.

Ventilation in panel stoping in the primary mining stage with feeding of air along the worked-out area. Trudy Inst.gor.dela AN Kazakh.SSR 15:39-44 '64. (MIRA 18:2)

and a second

RADCHENKO, G.A., kand. tekhn. nauk

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APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013439

RADCHERRY, C. ., Fond, tokhn. nauk

Chative systems for the ventilation of stoping sections in chamber and pillar workings. Vest. AN Kazaki SSR 22 no.83 63-68 Ag '65. (MTRA 18:9)

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RADCHENKO, G.A.

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Experimental investigation of currents flowing around support pillars in a confined space. Fiz.-tekh. probl. razrab. pol. iskop. no.4:93-105 '65. (MIRA 19:1)

1. Institut gornogo dela AN KazSSR, Alma-Ata. Submitted Feb. 6, 1965.
HAUCHENKO, G.L.; VINCKUROVA, L.A.

Parameters of dust dynamics in ventilation surrents circulating in a stope panel during the extraction of thick deposits by the panel-pillar system of mining. Fiz.-tekh. probl. razrab. pol. iskop. nc.5:119-127 '65. (MIRA 19:1)

1. Institut gernogo dela AN Kazakhskoy SSR, Alma-Ata.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013439

and the second

AUTHOR: Radchenko, G. A. TITLE: Velocity profiles of jets flowing around support pillars in a cleaning space SOURCE: Ref. sh. Mekhanika, Abs. 11E290 REF SOURCE: Tr. In-ta gorn. dela. AN KazSSR, v. 16, 1965, 68-80 TOPIC TAGS: turbulent jet, cleaning technique, test model, flow profile, function ABSTRACT: The results of experimental studies devoted to the problem of the propagation of <u>turbulent jets</u> in a space with support pillars with special division of the streams flowing around these obstacles are presented. Tests were performed with an experimental apparatus which was a model of cleaning excavations in 1/50 with an experimental apparatus which was a model of cleaning excavations in 1/50 of natural size (the longitudinal dimension of the model was 3.14 m). As a result of the studies, it was found that the longitudinal velocity profiles in jets which are propagated in a bounded space with support pillars have only an approximate in the area of propagation of semi-bounded jets are the velocity profiles expressed by exponential functions with the argument squared. In the remaining cases, this. by exponential functions with the argument squared. In the remaining cases, this. exponent varies from 1 to 4. On the whole, in the case in question, a slower decrease in the longitudinal velocities near the jet boundary than with a submerged	L 00790-67 EWP(m)/ENT(1) ACC NR: AR6014918	SOURCE CODE:	UR/0124/65/000/011/1	3044/8044 47
 TITLE: Velocity profiles of jets flowing around support pillars in a cleaning space SOURCE: Ref. sh. Mekhanika, Abs. 11B290 REF SOURCE: Tr. In-ta gorn. dela. AN KazSSR, v. 16, 1965, 68-80 TOPIC TAGS: turbulent jet, cleaning technique, test model, flow profile, function ABSTRACT: The results of experimental studies devoted to the problem of the propagation of <u>turbulent jets</u> in a space with support pillars with special division of the streams flowing around these obstacles are presented. Tests were performed with an experimental apparatus which was a model of cleaning excavations in 1/50 of natural size (the longitudinal dimension of the model was 3.14 m). As a result of the studies, it was found that the longitudinal velocity profiles in jets which are propagated in a bounded space with support pillars have only an approximate in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets area in an approximat	AUTHOR: Radchenko, G. A.			B
REF SOURCE: Tr. In-ta gorn. dela. AN KazSSR, v. 16, 1965, 68-80 TOPIC TAGS: turbulent jet, cleaning technique, test model, flow profile, function ABSTRACT: The results of experimental studies devoted to the problem of the propagation of <u>turbulent jets</u> in a space with support pillars with special division of the streams flowing around these obstacles are presented. Tests were performed with an experimental apparatus which was a model of cleaning excavations in 1/50 with an experimental apparatus which was a model of cleaning excavations in jets which of the studies, it was found that the longitudinal velocity profiles in jets which are propagated in a bounded space with support pillars have only an approximate are propagated in a bounded space with support pillars have only an approximate in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation of semi-bounded jets are the velocity profiles expressed in the area of propagation with the argument squared. In the remaining cases, this.	. TITLE: Velocity profiles of jet	1	ort pillars in a clea	ning space
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LANDYSHEVA, V.A.; RADCHENKO, G.O.; SPIRINA, L.S.; CHERNOV, Ye.N.

Development of the process of surface acetylation of textile fibers. Zhur.prikl. khim. 37 no. 5:1087-1092 My '64. (MIRA 17:7)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol.

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ACC NR: AR5020059	SOURCE CODE: UR/0081/65/000/012/S	137/S137
JIHOR: Radchenko, G.O.; Landyshev,	<u>/.A.</u>	11
RG: none	2. 1.1. 2	15
ITIE: State of work done on partial	acetylization of <u>cotton</u> for the purpose	of
DURCE: Ref. zh. Khimiya, Abs. 12583)	
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OPIC TAGS: textile, textile industry	, processed plant product	
ot and to the effect of high temperates s processed, rather than the finished oner fibers (IF) remain unaffected. elected types possess a reaction pote	on of cotton (PAC) making it more resista cures and acids, gives better results whe l products, because in acetizing the latt It was established that cotton IF of var ential. It is best to use for AFC a coars s most commonly used in the USSR. The PA	n yardage er the ious se type
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RADCHENKO, Georgiy Pavlovich

"Concerning the Permian Flora of the Taimyr-Halbinsel of the Lower Course of the Piassina River," Dokl. AN SSSR, 26, No.7, 1940.

Geological Inst., Leningrad

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AKSARIN, A.V.; ANAN'YEV, A.P.; BENEDIKTOVA, R.N.; GORBUNOV, M.G.; GRATSIANOVA, R.T.; YEGOROVA, L.I.; IVANIYA, V.A.; KRAYEVSKAYA, L.N.; KRASNOPEYEVA, P.S.; LEBEDEV, I.V.; LOMOVITSKAYA, M.P.; POLETAYEVA, O.K.; ROGOZIN, L.A.; RADCHENKO, G.P.; NZHONSNITSKAYA, M.A.; SIVOV, A.G.; FOMICHEV, V.D.; KHAL-FINA, V.K.; KHALFIN, L.L.; CHERNYSHEVA, S.V.; NIKITINA, V.N., redaktor; GUROVA, O.A., tekhnicheskiy redaktor

[Atlas of leading forms of fossils in the fauna and flora of Western Siberia] Atlas rukovodiashchikh form iskopaemykh fauny i flory zapadnoi sibiri. Pod red. L.L.Khalfina. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, Vol.l. 1955. 498 p. Vol.2. 1955. 318 p. [Microfilm] (MLRA 9:3)

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VOZNESENSKIY, D.V.; AMELANDOV, A.S.; GEYSLER, A.N.; GOLUBYATNIKOV, V.D.; [deceased]; DOMAREV, V.S.; DOMINIKOVSKIY, V.N.; DOVZHIKOV, A.Te,; ZAYTSKV, I.K.; IVANOV, A.A ; ITSIKSON, M.I.; IZOKH, E.P., KEYAZEV,
I.I.; KORZHENEVSKAYA, A.S.; MISHAREV, D.T.; SEMENOV, A.I.; MORO-ZENKO, N.K.; NEFEDOV, Ye.I.; RADCHENKO, G.P.; SERGIYEVSKIY, V.M.: SOLOV'YEV, A.T.; TALDYKIN, S.I.; UNKSOV, V.A.; KHABAKOV, A.V.; TSEKHOMSKIY, A.M.; CHUPILIN, I.I.; SHATALOV, Ye.T.; glavnyy redaktor; KRASNIKOV, V.I., redaktor; MIRLIN, G.A., redaktor; RUSANOV, B.S, redaktor; POTAPOV, V.S., redaktor izdatel'stva; GUROVA, O.A., tekhnicheskiy redaktor.

> [Instructions for organization and execution of geological surveys in scales of 1:50,000 and 1:25,000] Instruktsiia po organizatsii i proizvodstvu geologo-s[®]emochnykh rabot masshtabov 1:50,000 i 1:25,000. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. 1956. 373 p. (MIRA 10:6)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany medr. (Geological surveys)



Source programmer

MANCHEMIC, C.M. YAVORSKIY, Vasiliy Ivanovich; RADCHENKO, G.P., red.; POPOV, N.D., tekhn. red. [Conditions of formation of coal-bearing deposits in the Kuznetsk Basin and their tectonics] Usloviia formirovania uglenosnykh otloshenii Kuznetskogo baseeina i ikh tektonika. Noskra, Gos, nauchno-tekhn. izd-vo 'it-ry po geol. i okhrane nedr. 1957. p. 73 (Leningrad. Vseizd-vo 'it-ry po geol. i okhrane nedr. 1957. p. 73 (Leningrad. Vsesoyuznyy geologicheskii institut. Trudy, vol.19). (Kuznetsk Basin--Coal geology)

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ORLOV, Yu.A., glavnyy red.; RAUZER-CHERNOUSOVA, D.M., ctv.red.toma;
PURSENKO, A.V., otv.red.toma; MARKOVSKIY, B.P., zam.glavnogo red.;
RUZHENTSEV, V.Ye., zam.glavnogo red.; SOKOLOV, B.S., zam.glavnogo
red.; VAKHRAMEYEV, V.A., red.; GEKKER, R.F., red.; GROMOVA, V.I.,
red.; DAVITASHVILI, L.Sh., red.; KRYMGOL'TS, G.Ya., red.; LUPPOV,
N.P., red.; OBRUCHEV, D.V., red.; OVECHKIN, N.K., red.; POKROVSKAYA,
I.M., red.; PCHELINTSEV, V.F., red.; RADCHENKO, G.P., red.; RODENDORF, B.B., red.; ROZHDESTVENSKIY, A.K., red.; SARYCHEVA, T.G.,
red.; SUBBOTINA, N.N., red.; TAKHMADZHAN, A.L., red.; EBERZIN, A.G.,
red.; KOTLYAREVSKAYA, P.S., red.izd-va; MOSKVICHEVA, N.I., tekhn.
red.; POLENOVA, T.P., tekhn.red.

[Fundamentals of paleontology; reference book in fifteen volumes for paleontologists and geologists of the U.S.S.R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Moskva, Izd-vo Akad.nauk SSSR. Vol.1. [General part. Protozoa] Obshchaia chast'. Prosteishie. Otv.red. D.M.Rauzer-Chernousova, A.V.Fursenko. 1959. 481 p. (MIRA 12:7) (Protozoa, Fossil)

3(0)	Amantov, V. A., Radchenko, G. P. SOV/20-124-1-45/69
AUTHORS:	Amansor, , ,,
TITLE:	Continental Permo-Triassic Sediments of Central Mongolia (Khangay Upland) (O kontinental'nykh permo-triasovykh otlozheniyakh Tsentral'noy Mongolii (Khangayskoye nagor'ye))
PERIODICAL:	Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 1, pp 159-161 (USSR)
ABSTRACT:	The floristically characterized sediments mentioned in the title were determined by geological investigations in the previously completely unknown region for sources of new stratigraphic and historical development data (by V. A. Amantov, A. A. Khrapov, N. A. Makarov and others). These Upper Permian and Lower Triassic sediments lie as isolated fields within flysch-like masses of Upper and Middle Paleozoic on the right Tamir bank and left Orkhon bank; further in the southern marginal regions of Khangay: around the mountain Ubur-Thangay, on the upper course of Ongin-Gol and at Bayar-Ular. Permo-Triassic lies on the mentioned masses with a sharp angular discordance and with basal conglomerates. The folds are sometimes very complicated, even
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Continental Permo-Triassic Sediments of Central Mongolia (Khangay Upland)

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fan-shaped, and have a tendency to be oversurned. Coarse clastic and sandy-clayey sediments are most important here. There are fine and medium grained conglomerates with subordinate packets and interbeds of shale-aleurolith and shale. The color is a monotonous gray; cross-bedding of the delta type, clay contractions, and plant detritus indicate a continental, shallow water sedimentation. A section, which is 320 m thick, is divided into 3 parts (40, 200 and 80 m). The floristic assemblage found here is rather unusual in the opinion of the second author: on the one hand, typical late Permian Cordaitales plants (Noeggerathiopsis) with slender leaves and thick nervature are represented. They are characteristic of the latest Paleozoic flora of Siberia (second half of the Permian). On the other hand, remains of Tersiella and Parabalamites were identified here, which are known from the Lower Triessic (Maltsevskaya suite of the Kuzbass). Other Mesozoic elements (Yuccites typ. angustifolius), which have hitherto been known only from Triassic deposits, confirm the Mesozoic age. The second author has therefore determined the age as Lower Triassic, and here it can be even somewhat older, namely a transition from the Permian to the Triassic.

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Continental Permo-Triassic Sediments of Central Mongolia (Khangay Upland) sov/20-124-1-45/69

A spore-pollen assemblage (isolated by I. E. Val'ts and Ye. M. Andreyeva) is most typical of the highest Permian horizon according to Ye. M. Addreyeva. The hitherto prevailing opinion that the fold belt of central and southern Khangay was completely consolidated in the Lower Triassic must be revised. On the contrary, the land was tectonically active and experienced in the late Permian and early Triassic a stage of fragmental tectonics, which caused a differential relief to appear and led to sedimentation of coarse, clastic continental masses in individual, closed, transverse flexures. PRESENTED: July 24, 1958, by D. I. Shcherbakov, Academician SUBMITTED: July 4, 1958

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MARKOVSKIY, B.P., otv.red.; ZANINA, I.Ye., red.; KIPARISOVA, L.D., red.; MIKLUKHO-MAKLAY, K.V., red.; POKROVSKAYA, I.M., red.; <u>RADCHENKO</u>, G.P., red.; GOROWHOVA, T.A., red.izd-va; GUROVA, O.A., tekhn.red.
[New species of ancient plants and invertebrates of the U.S.S.R.] Novye vidy drevnikh rastenii i bespozvonochnykh SSSR. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. Pt.2. (MIRA 13:10)
1. Leningrad. Vsesoyuznyy geologicheskiy institut. (Invertebrates, Fossil)

MARKOVSKIY, B.P., otv.red.; ZANINA, I.Ye., red.; KIPARISOVA, L.D., red.; MIKLUKHO-MAKLAY, K.V., red.; POKROVSKAYA, I.M., red.; RADCHBNKO, G.P., red.; ROSSOVA, S.M., red.izd-ve; GUROVA, O.A., tekkn.red.
[New species of ancient plants and invertebrates of the U.S.S.R.] Novye vidy drevnikh rastenii i bespozvonochnykh SSSR. Moskva, Ges.nauchno-tekkn.izd-vo lit-ry po geol. i okhrane nedr. Pt.l. 1960. 611 p. (MIRA 13:12)
1. Leningrad. Vsesoyuznyy geologicheskiy institut. (Paleontology)

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ORLOV, Yu.A., glavnyy red.; MARKOVSKIY, B.P., zam.glavnogo red.;
RUZHENTSZV, V.Ye., zam.glavnogo red.; SOKOLOV, B.S., zam.glavnogo red.; SARYCHEVA, T.G., otv.red.toma; VAKHRAMEYZV, V.A., red.;
GEKKER, R.F., red.; GROMOVA, V.I., red.; DAVITASHVILI, L.Sh., red.;
GEKKER, R.F., red.; GROMOVA, V.I., red.; OBRUCHEV, D.V., red.;
OVECHKIN, N.K., red.; LUPPOV, N.P., red.; OBRUCHEV, D.V., red.;
OVECHKIN, N.K., red.; POKROVSKAYA, I.M., red.; PCHELINTSZV, V.F.,
red.; RADCHENKO, G.P., red.; RAUZER-CHERNOUSOVA, D.M., red.;
RODENDOHF, B.B., red.; ROZHDESTVENSKIY, A.K., red.; SUBBOTINA,
N.N., red.; TAKHTADZHAN, A.L., red.; FLEROV, K.K., red.; FURSENKO,
A.V., red.; KHABAKOV, A.V., red.; CHERNYSHEVA, N.Ye., red.;
EBERZIN, A.G.; NEVESSKAYA, L.A., red.izd-va; POLENOVA, T.P.,
tekhn.red.

[Fundamentals of paleontology; manual in fifteen volumes for paleontologists and geologists of the U.S.S.R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Moskva. Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. Vol.7. [Polyzoa, Brachiopoda. Supplement: Phoronidea] Mshanki, brakhiopody. Prilozhenie: Foronidy. Otvet.red.T.G. Sarycheva. 1960. 342 p. plates. (MIRA 14:4) (Polyzoa, Fossil) (Brachiopoda, Fossil) (Phoronidea, Fossil)

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ORLOV, Yu.A., glavnyy red.; MARKOVSKIY, B.P., zam.glavnogo red.; RUZHENTSEV,
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> [Fundamentals of paleontology; reference book in 15 volumes for paleontologists and geologists of the U.S.S.R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Moskva, Izd-vc Akad.nauk SSSR. Vcl.3. [Nollusks: Loricata, Bivalvia, Scaphopeda] Molliuski - pantsirnye, dvustvorchatye, lopatonogie. Otvet.red. A.G.Eberzin, 1960. 299 p. (Mollusks, Fossil) (MIRA 14:1)

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RADCHENKO, G.P.

Study of plant remains from Devonian sediments of the Altai-Sayan Mountain region. Trudy VSEGEI 70:5-8 '62. (MIRA 15:11) (Altai Mountains--Paleobotany, Stratigraphic) (Sayan Mountains--Paleobotany, Stratigraphic)

Sec. 1

PETROSYAN, N.M.; RADCHENKO, G.P.

Stratigraphy of Devonian sediments of the Altai-Sayan Mountain region. Trudy VSEGEI 70:9-22 '62. (MIRA 15:11) (Altai Mountains--Geology, Stratigraphic) (Sayan Mountains--Geology, Stratigraphic)



LEPEKHINA, V.G.; PETROSYAN, N.M.; RADCHENKO, G.P. Most important Devonian plants in the Altai-Sayan Mountain region. Trudy VSEGEI 70:61-189 '62. (MIRA 15:11) (Altai Mountains--Paleobotany) (Sayan Mountains--Paleobotany)

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ORLOV, Yu.A., glav. red.; TAKHTADZHYAN, A.L., otv. red.;
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N.A., red.; VASILEVSKAYA, N.D., red.; TURUTANGVA-KETOVA,
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YATSENKO-KHMELEVSKIY, A.A., red.; GOROKHOVA, T.A., red. izd-va; GUROVA, O.A., tekhn. red.

[Fundamentals of paleontology; manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. red. IU.A.Orlov. Moskva, Izd-vo AN SSSR. Vol.15.[Gymnosperms and angiospersm] Golosemennye, pokrytosemennye. 1963. 742 p. (MIRA 16:11) (Gymnosperms, Fossil) (Angiosperms, Fossil)

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CRLOV, Yu.A., glav. red.; MAKROVSKIY, B.P., zam. glav. red., RUZHENTSEV, V.ye., zam. glav. red.; SOKOLOV, B.S., zam. glav. red.; VAKHRAMEYEV, V.A., ctv. red.; <u>RADCHENKO</u>, G.P., red.; TAKHTADZHAN, A.L., red.; KCTLYAREVSKAYA, P.S., red.izd-va; LAUT, V.G., tekhn. red.

[Fundamentals of paleontology; manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologil; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Moskva, Izd-vo AN SSSR. Vol.14. [Algae, bryophytes, psilophytales, lycopside, arthrophytes, ferns] Vodorosli, moknoobraznye, psilofitovye, plaunovidnye, chlenistostebel'nye, paporotniki. Fod red. V.A.Vakhrameeva, G.P.Radchenko, A.L.Tekhpadzhana. 1963. 697 p. (MIRA 16:10)

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[Geology of coal and oil shale deposits in the U.S.S.R.] Geologiia mestorozhdenii uglia i goriuchikh slantsev SSSR. Vol.8. 1964. 790 p. (MIRA 17:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy komitet.









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AUTHORS: TITLE;	Livshits, S.A. and Radchenko, I.A. Technico-Economical Comparison of the Production of Low Grade Ferrosilicon by the Blast Furnace and Electro-
	Stal', 1959, Nr 9, pp 846-849 (USSR) On the initiative of the Gosplan SSSR and Gosplan RSFSR it is planned to replace during 1959-1965 the production of blast furnace ferrosilicon by the production of 18% ferrosilicon by the electrothermal method. It was already decided to design a new ferroalloy plant for the Chelyabinsk Works, utilising a considerable proportion of its capacity for the production of low grade ferrosilicon, excluding the production of blast furnace ferrosilicon from the works. The authors consider that this decision is wrong and to prove their point they grade ferrosilicon by the above two methods in application to conditions existing on the Chelyabinsk The blast furnace process will be service.
Card 1/3 0	The blast furnace process will be carried out with bxygen enriched blast (up to 32%), heated to 950°C, with
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Technico-Economical Comparison of the Production of Low Grade Ferrosilicon by the Blast Furnace and Electrothermal Processes

a high top pressure; one blast furnace producing 500,000 t/year of 12% ferrosilicon will be used. The electrothermal process will be carried out in electricferroalloy furnaces of the closed type with transformers of 16,500 kw; the content of silicon in the alloy will be 18% with the equivalent output in respect of silicon of 330,000 t/year. Comparison of the costs of production of ferrosilicon by the above two methods and the corresponding capital expenditure are given in tables 1 and 2 respectively. It is concluded that: the blast furnace method allows for the production of ferrosilicon from low grade silicious ores and scrap (not suitable for the open hearth process) while the electrothermal method requires steel shavings which can be used in steel making furnace. Under the conditions of the Chelyabinsk Works, the blast furnace method of producing ferrosilicon is more advantageous as the production cost of a unit weight of silicon and the capital expenditure are lower by 38 to 39% and by 100 to 110 million

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 roubles respectively. In the comparison of the capital costs, the electrothermal method is additionally debited by the cost of production of the blast furnace. There are 2 tables.

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 111. 23SE. 3.000 EKZ. 10 R 70K. V Per.-- Na Ukr. Taz.--(54-54794)

SO: Knizhnaya, Letcpis, Vol. 1, 1955



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RADCHENKO, I. I.

Dissertation: "Heat Exchange and Productivity of Tunnel Kilns for the Burning of Dinas Brick." Cand Tech Sci, Dnepropetrovsk Metallurgical Inst, Dnepropetrovsk, 1954. Referativnyy Zhurnal--Khimiya, Moscow, No 14, Jul 54.

SU: SUM No. 356, 25 Jan 1955



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AUTHORS: Zegzhda, D.P., Radchenko, I.I.

TITLE: Investigation of heat conductivity and thermal expansion of alumosilicate masses

PERIODIC:L: Referativnyy zhurnal. Metallurgiya, no. 12, 1961, 4, abstract 12B18 ("Tr. Nauchn. tr. Dnepropetrovsk. metallurg. in-t", 1958, no. 36, 95 - 104)

TEXT: The method of non-stationary heat process was employed to determine heat conductivity of roasted specimens, 40 mm in diameter, of four compositions: Al_2O_3 , Al_2O_3 , $2SiO_2$, Al_2O_3 , SiO_2 and Al_2O_3 , $4SiO_2$, in pure state and with admixtures of 2% MgO or TiO₂. The nature of changes in the heat conductivity with changing volumetric weight was determined not from the ratio of the main oxide components but from the presence and nature of mineralizers, which accelerate the formation of mullite and thus change the structure of the body and its properties. In pure masses, heat conductivity increases gradually with higher temperatures; in masses with admixtures it increases rapidly up to 500 - 600°C, passing through a maximum, and then decreases. This is explained by the high

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AUTHOR: Radchenko	o, I.I.	
	ing method for calculating the cooling of the material with the furnace	
PERIODICAL: Referativ ("Nauchn, 174 - 179	myy zhurnal. Metallurgiya, no. 1, 1962, 1, abstract 1B2 , tr. Dnepropetrovsk. metallurg. in-t", 1959, no. 36,))	-
the furnace after heat- consists in the simulta mal equilibrium equation In setting up and solved made which are not disc	erential equation for the cooling of articles together with treatment is set up and solved. The method of solution aneous solution of the heat-transfer equation and the ther- on for the cooling articles and the furnace brick work. Ing the equations a number of simplifying assumptions are cussed in the_article. The solution obtained may be used culations for heat-treatment practice.	<u>~</u>
	E. Gol'dfarb	
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SEMKIN, Iosif Danilovich; AVERIN, Sergey Ivanovich; RADCHENKO, Irina Ivanovna; KOVALEV, A.P., prof., doktor tekhn. nauk retsenzent; TELEGIN, A.S., dots., kand. tekhn. nauk, retsenzent

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[Fuel and fuel management in metallurgical plants] Toplivo i toplivnoe khozlaistvo metallurgicheskikh zavodov. Moskva, Metallurgiia, 1965. 391 p. (MIRA 18:11)

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ZHUKOV, M.A.; RADCHENKO, I.I.

Age of ancient sediments in the central part of the Bet-Pak-Dala anticlinorium. Izv. AN Kazakh. SSR. Ser. geol. 21 no.3:88-92 My-Je '64. (MIRA 17:11)

1. Kazakhskiy politekhnicheskiy institut, Alma-Ata.

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RADCHENKO, I.I. Block and graft polymers. Kauch. i rez. ló no.7:16-22 Jl '57. 1.Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S.V. Lebedeva. (Polymers)

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. AUTHORS:	Radchenko, I. I. and Fisher, S. L. 138-1-2/16	
TITLE:	1, 3- Butadiene Copolymers with a High Styrene Content. (Sopolimery divinila s vysokim soderzhaniyem stirola).	
PERIODICAL:	Kauchuk i Rezina, 1958, Nr. 1, pp. 3 - 9. (USSR).	
ABSTRACT;	Synthetic rubber, produced by polymerisation of 1,3- butadiene in aqueous emulsions, possesses a high de- gree of elasticity, low physico-mechanical properties, and poor technological properties. The technological properties are improved when the polymerisation is carried out in the presence of a polymerisation regu- lator, but at the same time the degree of elasticity and physico-mechanical properties are lowered. When a mixture consisting of 70% 1,3-butadiene and 30% styrene is polymerised, the degree of elasticity is slightly lower, but the end product has high physico- mechanical and technological properties (e.g. CKC-30, CKC-30A, OYHC-3C-3, $M \times N - AP - 3C$, which are used for the manufacture of car tyres). The elastic properties deteriorate and the plastic properties improve when the styrene content in the mixture is further increased	* *
Card 1/5	Rubber containing 50% 1,3-butadiene and 50% styrene has low elastic properties but sufficiently high physico-	
<i>†</i>		
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1,3-Butadiene Copolymers with a High Styrene Content. 138-1-2/16 mechanical properties, and is used in the shoe industry and for the manufacture of various rubber goods. A plastic composition is obtained when the styrene con-tent reaches 80 and 90%; these composition are similar to polystyrene-1,3-butadiene copolymers with a high styrene content, and are often called styrene-containing or polystyrene-containing synthetic resins. The polymer CKC-50 (similar to the German Buna S-S) can be prepared when the Na salt of dibutyl naphthyl sulphate with a small quantity of sodium stearate is used as emulsifier. CKC-50 has very good technological as well as physicomechanical properties. The copolymer Pliolite S-3 (9C-3) consists of a mixture of 15% 1,3-butadiene and 85% styrene. It is a white thermoplastic powder which is resistant to oxidation and other chemical reactions. 1,3-butadiene copolymers containing 12.5 to 87.5% styrene have been prepared by emulsion polymerisation at a temperature of $50^{\circ}C$. The composition of the copolymers was determined by ultra-violet spectrophotometry, and also according to the quantity of unreacted monomers. A detailed investigation of the composition of 1,3butadiene-styrene copolymers was carried out by S. 3. Card 2/5 et al. Polymerisation was carried out in Medvedey

1,3-Butadiene Copolymers with a High Styrene Content. 138-1-2/16

the presence of benzoyl peroxide at 60° C. The styrene in the copolymers was determined by refractometry, and according to the content of unsaturated bonds. The work of I. M. Mitchell (Ref.3) is discussed. The various Marbon resins and Butakon-S are mentioned. In the USSR 1,3-butadiene styrene and 1,3-butadienemethyl-styrene, containing not more than 26-27% styrene or methyl-styrene, are produced. The preparation of 1,3-butadiene copolymers with a high content of styrene and alpha methyl styrene - CKC -50, CKC-90 and CKC-40A is discussed. Details of the preparation are tabulated (Fig.1). Figures 1, 2 and 3 give graphs on the depths of polymerisation. The physico-mechanical properties of vulcanised rubber CKC-50 are shown in Table 2 and 4 and the plasticity of CKC-50 in Table 3. Investigations carried out by BHNMCK and by the Moscow Factory "Kay4yk" showed that CKC-50 can be used for hard rubber goods, for frost-resistant conveyor belts, and also as additive for improving the properties of mixtures based on the rubber CKC-30. Alpha-methyl-

Card 3/5

138-1-2/16 1,3-Butadiene Copolymers with a High Styrene Content. styrene is also used for the preparation of 1-3 butadiene-alpha-methyl styrene rubber CKMC-50. Alphamethyl styrene is less active than styrene; it is used for the industrial production of CKMC-30 (1,3-butadiene alpha-methyl styrene). Details of the copolymerisation of alpha-methyl styrene with 1,3-butadiene are given in Table 5. Table 6 gives the physico-mechanical proper-ties of CKMC -50 vulcanisates. The copolymer CKC-90 was prepared at 50°C and a 60% polymerisation was achieved during 10-12 hours. At the completion of the polymerisation reaction 3% anti-oxidant Neozon D (phenyl-beta-naphthyl amine) is added. Surface tension of the latex = 39-40 Din/cm. The latex CKC-30 and CKC -90 were mixed in such proportions that the total styrene content = 40%, this gave the copolymer CKC-40A (KKC-50 (prepared with the help of D. G. Bril') was made by coagulation, washing and drying of CKC-40A. The thermo-plastic properties of CKC -40A and CK17-50 are given in Table 7, and the physico-mechanical properties of CKC -40 A vulcanisates in Table 3. The synthesized copolymers can be used for the manufacture of various Card 4/5



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AUTHORS :	Radchenko, I. I., H Bryl', D. G., Lyash	Fisher, S. L., Korchmanch, R. S., Volenina,	rek, V. V., Kuznetsov, V. L., V. F.		
TITLE:	Polymerization of butadiene with styrene in emulsion using colophony soap at a temperature of $5^{\circ}C$				
PERIODICAL:	Kauchuk i rezina, n	no. 5, 1961, 5 - 11		-	
used as the tors, such a caused by la is a neutral The higher m as regulator merization f action of po cial attents	itable for industria initiators and vari- as ferrous sulfate, a arge quantities of e ized condensation p mercaptanes, e.g., de in the production formulation is iron- ptassium pyrophospha	al use. Hydrogene per ous compounds with red sodium sulfite, etc. lectrolytes. Daksad s roduct of naphthalenes odecylmercaptane and a of butadiene-styrene r pyrophosphate, where a te with ferrous sulfat	been developed, of which only roxide hydrocarbons are usually using properties as activa- Coagulation of the latex is serves as disperser. Daksad sulfoacid with formaldehyde. I mixture of C_{12} - C_6 , are used rubbers. The best-known poly- complex formed from the inter- is used as activator. Spe- on. An increase in the iron	ý	
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