"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SOV/143-58-9-18/18

AUTHOR: Shvartsman, A.A., Engineer

TITLE: The Development of Electric Locomotives for Mining Purposes in the USSR (Razvitiye rudnichnoy elektrovoz-noy tyagi v SSSR)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Energetika, 1958, Nr 9, pp 117-124 (USSR)

ABSTRACT: The paper first examines the gradual development of electric locomotive design for mining purposes since the 1917 Revolution. It also contains data on the development of underground transport mechanization and on the growth of electric locomotive capacity. Further, the author mentions technical data on several locomotive types: 1) Storage battery electric locomotives of the series AR-113 which were produced until 1939. Adhesion weight was 6 - 6.5 tons. In 1934 1-ETR-1 and 3-ETR-1 locomotives (for gauge 750-900 mm) were produced. In 1938 the contact electric locomotives 11-TP and in 1939 the ETR-2 appeared. Apart from this 7 ton

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SOV/143-58-9-18/18

The Development of Electric Locomotives for Mining Purposes in the USSR

electric locomotive, several appeared between 1945 and 1950, the 10 ton YU-10 and the 14 ton IV-TR-4. The latter had DK-802 motors with a total hourly capacity of 92 kW and tractive power of 2700 kg. The 7 ton 11-TR-2G was similar in specifications. In 1957 series production began of 7-KR-1 and 10-KP-1 locomotives as well as EDR-25 motors for them. Two types are planned for 1958, the 2-OKR-1 (contact type) and 24 ARP-1 (for storage batteries). Various details of equipment for all these types are given. There are 2 sectional diagrams, 5 graphs, 3 photographs and 8 Soviet references.

ASSOCIATION: Permskiy gornyy institut (Perm' Mining Institute)

Card 2/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.A., inzh.

History of the development in the U.S.S.R. of electric mine railroads operating on alternating current. Izv.vys.ucheb.zav.; gor.zhur. no.5:143-156 '59. (MIRA 13:5)

1. Permskiy gornyy institut.
(Mine railroads) (Electricity in mining)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A., inzh.

From "live engines" to powerful electric locomotives. Mast.ugl. 9 no.2:28-29 F '60. (MIRA 13:7)
(Mine railroads)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A. A., starshiy prepodavatel'

"Problems of mine transportation"; articles edited by N. S. Poliakov. 4 vols. Reviewed by A. A. Shvartsman. Izv. vys. ucheb. zav.; gor. zhur. no.10:172-179 '61. (MIRA 15:10)

1. Permskiy politekhnicheskiy institut. Rekomendovana kafedroy pod"yemno-transportnykh i gornykh mashin.

(Mine haulage)
(Poliakov, N. S.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.A., inzh.

Growth in the technological level of electric mine locomotives. Izv.vys.ucheb.zav.; energ. 5 no.5:59-63 My '62. (MIRA 15:5)

1. Permskiy politekhnicheskiy institut. Predstavlena kafedroy gornykh mashin i rudnichnogo transporta.
(Electric locomotives)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.A., inzh.

"Dynamics of mining machinery" by B.L.Davydov, B.A.Skorodumov. Reviewed by A.A.Shvartsman. Ugol' Ukr. 6 no.5:48 My '62. (MIRA 15:11)

1. Permskiy politekhnicheskiy institut.
(Mining machinery--Dynamics) (Davydov, B.L.) (Skorodumov, B.A.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, Arseniy Arkad'yevich, starshiy prepodavatel'

Concerning the training of mining engineers with a background in electromechanics in the automation of industrial operations. Izv. vys. ucheb. zav.; elektromekh. 5 no.6:690-692 '62. (MIRA 15:10)

1. Kafedra pod"yemno-transportnykh i gornykh mashin Permskogo politekhnicheskogo instituta.

(Mining engineers—Education and training)
(Automation)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A. A., inzh.

"Mechanization of workers' transportation in mines" by V. N. Grigor'ev. Reviewed by A. A. Shwartsman. Bezop. truda v prom. 6 no.9:35 S '62. (MIRA 16:4)

1. Permskiy politekhnicheskiy institut.

(Mine haulage) (Grigor'ev, V. N.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SZWARCMAN, A.A., inz. gorn.

Improvements in the construction of heading machines in the U.S.S.R. Wiadom gorn 13 no.3:87-91 Mr '62.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.A., insh.

"Dynamics of mining machinery" by B.L.Davydov, B.L.Skorodumov. Reviewed by A.A.Shvartsman. Vest.mashinostr. 42 no.7:86-87 Jl '62. (MIRA 15:8)
(Mining machinery) (Davydov, B.L.) (Skorodumov, B.L.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

ZAYEVLOSHIN, M. N., doktor med. nauk; SHVARTSMAN, A. A.

Malignant adenomatosis of the lungs with multiple metastases into the bone system. Vrach. delo no.6:146-148 Je '62.

1. Belgorod-Dnestrovskiy protivotuberkuleznyy dispanser i prozektura pervoy bol'nitsy.

(LUNGS--CANCER) (BONES--CANCER)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

1. SHVARTSMAN, A. L.

2. USSR (600)

4. Botkin, Sergei Petrovich, 1832-1889

7. Letters of Sergei Petrovich Botkin; data collected in the division of manuscripts of the V. I. Lenin All-Union Library. Klin.med. 30 no.9, 1952.

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

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A. L.

Physicans

V. D. Sherwinskii, professor of Moscow University. Klin. med. 31, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A. L.

FD-764

USSR/Scientific Organization - History, Moscow University

Card 1/1 : Pub 129-1/24

Author : Shvartsman, A. L.

Title : I. M. Sechenov and the higher schools

Periodical : Vest. Mosk, un., Ser. fizikomat. i yest. nauk, Vol 9, No 2, 3-11 Mar 1954

Abstract : Historical account of the 18th century medical scientist, Prof I. M. Sechenov, former student at Moscow University and outstanding teacher of medicine, along with I. I. Mechinkov. Also, a discussion of the Russian school of physiology associated with them.

Institution : --

Submitted : --

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.L.

SHVARTSMAN, A.L.

I.M. Sechenov and the school for higher learning. Vest. Mosk. un. 9 no.3:3-11 Mr '54. (MLRA 7:6)
(Sechenov, Ivan Mikhailovich, 1829-1905)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.L.

SHVARTSMAN, A.L. (Moscow)

History of I.I.Mechnikov's research in the field of controlling premature senility. Klin.med. 32 no.2:84-87 F '54. (MLRA 7:5)
(Old age) (Mechnikov, Il'ia Il'ich, 1846-1916)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A. L.

SHVARTSMAN, A.L. (Moskva)

County physician Anton Pavlovich Chekhov; 50th anniversary of his death. Klin. med. 32 no.7:77-82 Jl '54. (MLRA 7:8)
(CHEKHOV, ANTON PAVLOVICH, 1860-1904)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.L.; SIDOROVA, V.I., redaktor; GUBER, A., tekhnicheskiy redaktor

[D.I.Pisarev and Russian natural science] D.I.Pisarev i russkoe estestvoznanie. Moskva, Gos. izd-vo "Sovetskaia nauka," 1955. 31 p. (Pisarev, Dmitrii Ivanovich, 1840-1868) (MLRA 8:7)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.L.

25-10-30/41

AUTHOR: Shvartsman, A. L., Physician

TITLE: Problems of Life (Delo zhizni)

PERIODICAL: Nauka i Zhizn', 1957 #10, pp 56-59 (USSR)

ABSTRACT: Doctor N.N. Anichkov has devoted all his life to the research in arteriosclerosis. In 1912 he and S.S. Khalatov discovered that cholesterin was causing this disease. Furthermore he established a connection between arteriosclerosis and disturbances of metabolism. A fellow scientist Vsevolod Dmitriyevich Tsinzerling disclosed that fat accumulation in the vessels can be resolved as well as intensified. Professor Kapitolina Grigor'yevna Volkova concluded from this that the first beginnings of arteriosclerosis are not at all confined to the more advanced age as was formerly held. She succeeded in finding another regularity, namely that arteriosclerosis often follows closely on hypertonic diseases. The explanation given by Doctor Anchikov was that with an increase of pressure the blood is filtered more intensively through the arterial walls and consequently more fat substances are settled down. The task lying ahead in the research done by Anchikov and his fellow scientist is to find an effective remedy for this disease.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A. L.

25-1-11/48

AUTHOR: Shvartsman, A.L.

TITLE: Beginnings of Great Discoveries (U istokov bol'shikh otkrytiy)

PERIODICAL: Nauka i Zhizn', 1958, # 1, pp 34-35 (USSR)

ABSTRACT: At the end of the 19th century, Russian scientist I.I. Mechnikov established the phagocyte theory. He discovered that certain cells, which he called phagocytes ingest and destroy foreign particles, bacteria and other cells, intruding inti the organisms of human beings and animals. In 1868, Magister Klimentiy Timiryazev, a young Russian naturalist, demonstrated his newly designed device for determining the quantity of carbon-dioxide assimilated by a plant and this opened up the road for research in this field.

There are two sketches.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.L.

25-2-23/43

AUTHOR: Shvartsman, A.L.

TITLE: Wuerzburg, November 1895 (Vyurtsburg, Noyabr' 1895)

PERIODICAL: Nauka i Zhizn', 1958, # 2, pp 65-66 (USSR)

ABSTRACT: In this article the author describes the research work done by the German physicist, Wilhelm Konrad Roentgen, who discovered X-rays.

There are three sketches.

AVAILABLE: Library of Congress

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A. L.

Goals of science in the service of life; A. I. Hertzen on the study of nature. Priroda 51 no.2:59-65 F '62. (MIRA 15:2)

(Science--Philosophy)
(Hertzen, Aleksandr Ivanovich, 1812-1870)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

KUZNETSOV, I.V., red.; Prinimali uchastiye: BLYAKHER, L.Ya., prof., red. ; STRASHUN, I.D., prorf., red.; SHVARTSMAN, A.L., red.; BALASHEV, L.L., prof., red.; SKATKIN, P.N., kand. biol. nauk, red.; MIKULINSKIY, S.R., kand. biol. nauk, red.; KUZNETSOVA-YERMOLOVA, Ye.B., red.; KRYUCHKOVA, V.N., tekhn. red.

[People of Russian science; sketches of outstanding figures in the natural sciences and technology: Biology, medicine, agricultural sciences] Liudi russkoi nauki; ocherki o vydaiushchikhsia deiateliakh estestvoznaniia i tekhniki: Biologiia, meditsina, sel'skokhoziaistvennye nauki. Moskva, Fizmatgiz, 1963. 895 p. (MIRA 17:1)

1. Deystvitel'nyy chlen AMN SSSR (for Strashun).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

ACC NR: AP6017966 SOURCE CODE: UR/0413/66/000/010/0043/0043

INVENTOR: Shvartsman, A. M.

ORG: none

TITLE: A broad-band directed coupler. Class 21, No. 181694

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 43

TOPIC TAGS: waveguide coupler, coupling circuit

ABSTRACT: This Author Certificate presents a broad-band directed coupler. The coupler includes the main transmission line and a secondary transmission line connected with the main one, (with any desired mode of coupling between them). The design provides compensation of the frequency-dependent transmission attenuation of the signal which passes from the main transmission line to the secondary transmission line. The supplementary transmission line section with matching loads at the ends is included in the signal transmission path (see Fig. 1). This supplementary transmission line section is connected either with the main transmission line or with the secondary transmission line.

Card 1/2 UDC: 621.372.832

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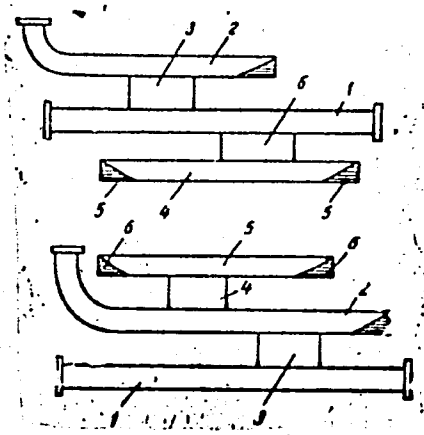
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

ACC NR: AP6017966

Fig. 1. 1 - main transmission line; 2 - secondary transmission line; 3 and 4 - coupling regions; 5 - supplementary transmission line section; 6 - matching loads



Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 26Mar65

Card 2/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.P.

FD-846

USSR/Mathematics - Bounded solutions

Card 1/1 : Pub. 85 - 11/14

Author : Shvartsman, A. P. (Odessa)

Title : Problem of the boundedness of the solutions of the differential equation $y'' + p(x)y = 0$

Periodical : Prikl, mat. i mekh., 18, 464-468, Jul/Aug 1954

Abstract : Generalizes and makes more precise the familiar Lyapunov-Zhukovskiy criteria governing the boundedness of the solutions to the equation $y'' + p(x)y = 0$, where $p(x)$ is a bounded non-negative periodic function with period w. Remarks that it is convenient to regard $p(x)$ as the density of distribution of mass on x-axis. Tabulates a new function $X(t)$ ($t = 0$ to 1) defined as the least positive root of the equation $X\,1/2.\ \tan X\,1/2 = t/(1-t)$, first introduced by M. G. Kreyn ("Certain problems on the maximum and minimum for the characteristic numbers, and the Lyapunov zones of stability," PMM, 15, No. 3, 1951).

Institution : --

Submitted : March 17, 1954

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.P.

Gavriil Konstantinovich Suslov, 1857-1935; 20th anniversary of his death. Izv.AN SSSR.Otd.tekh.nauk no.11:151-157 N '55. (Suslov, Gavriil Konstantinovich, 1857-1935) (MLRA 9:2)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.P. (Odessa)

Life and scientific activity of G.K.Suslov. Ist.-mat.zbir. 2: 68-76 '61. (MIRA 15:4)
(Suslov, Gavriil Konstantinovich, 1857-1935)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.Ya.

Study of the turbidity of the Kremenchug Reservoir. Trudy GGI no.111:96-121 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.Ya.

Study and calculation of turbidity in the shore region of a reservoir. Trudy GGI no.124:4-25 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, A.Ya.

Problems of the dynamics of the surf zone. Trudy GGI no.124: 91-101 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

BULATOV, V.I.; SHVARTSMAN, A.Z.

Modernization of the wiring system in the URD-105-K4 and URDd-110 apparatus. Vest.rent.i rad. 34 no.2:71-75 Mr-Ap '59. (MIRA 13:4)

(ROENTGENOLOGY, appar. & instruments
URD-105-k4 & URDd-110., modification of
electrical scheme (Rus))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

BULATOV, V.I.; KRICHEVSKIY, L.M.; SHVARTSMAN, A.Z.

Device for pitcture-taking in the second projection in angiography with a single serial cassette. Vest. rent. i rad. 35 no. 4:56-61 Jl-Ag '60. (MIRA 14:2)

1. Iz rentgenologicheskogo otdeleniya (nachal'nik - kand.med.nauk L.D. Gubskiy [deceased]) Glavnogo voyennogo gospitalaya imeni akad. N.N. Burdenko (nachal'nik L.I. Lyalin).
(ANGIOGRAPHY—EQUIPMENT AND SUPPLIES)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

BULATOV, V.I.; KRICHEVSKIY, L.M.; SHVARTSMAN, A.Z.

Biprojective arteriography with single arteriograms taken at a time decided on beforehand. Vest. rent. i rad. 36 no. 1:57-59 Ja-F '61. (MIRA 14:4)

1. Iz rentgenovskogo otdeleniya (nachal'nik - kandidat meditsinskikh nauk L.D. Gubskiy [deceased] Glavnogo voyennogo gospitalaya imeni Akademika N.N. Burdenko (Nachal'nik L.I. Lyalin)
(ARTERIES--RADIOGRAPHY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

GUBSKIY, L.D. [deceased]; BULATOV, V.I.; SHVARTSMAN, A.Z.

Device for making kymographs of recumbent patients. Vest. rent. i rad. 36 no.4:70-72 Jl-Ag '61. (MIRA 15:2)

(KYMOGRAPH)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

STEPANOV, S.M.; SHVARTSMAN, A.Z.

"Bases of X-ray technic" by V.V.Dmokhovskii. Reviewed by S.M. Stepanov and A.Z.Shvartsman. Vest. rent. i rad. 36 no.6:86-88 N-D '61. (MIRA 15:2)

(RADIOGRAPHY) (DMOKHOVSKII, V.V.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

[illegible], B. P., [illegible], N. S., [illegible], I. I., [illegible], YU. G., [illegible], V. R.

"Observation of the Large Cosmic Ray Increase of February 23, 1956 in the USSR"

Scientific Research Institute of Terrestrial Magnetism (Moscow)
Sverdlovsk Geophysical Observatory
Tbiliki Cosmic Ray Station
Yakutsk Affiliate of the Academy of Sciences of the USSR
Cape Schmidt Cosmic Ray Station

Nuclear Physics, 1, No. 8, 1956, p 585-592

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

DORMAN, L.I.; KAMINER, N.S.; KOIAVA, V.K.; SHVARTSMAN, B.F.

A great outburst of cosmic ray intensity on February 23, 1956, as observed in Moscow, Sverdlovsk, Tbilisi and on Cape Schmidt. Dokl. AN SSSR 108 no.5:809-812 Je '56. (MIRA 9:10)

1. Nauchno-issledovatel'skiy institut zemnogo magnetizma, Sverdlovskaya geofizicheskaya observatoriya, Tbilisskaya stantsiya kosmicheskikh luchey, Stantsiya kosmicheskikh luchey na ayse Shmidta. Predstavlena akademikom D.V. Skobel'tsynym.
(Cosmic rays)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

FUKS, L.A.; SHVARTSMAN, B.F.

Cape Schmidt observation station data on the temperature effect of seasonal and daily variations in cosmic-ray hard components. Trudy IFAN SSSR Ser. fiz. no.2:118-122 '58. (MIRA 11:7)
(Schmidt, Cape--Cosmic rays) (Atmospheric temperature)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

BERDICHEVSKAYA, T.M.; FUKS, L.A.; SHVARTSMAN, B.F.

Temperature effect in seasonal and diurnal variations of mesonic intensity of cosmic rays on Cape Shmidt. Probl.Arkt. no.4: 51-64 '58. (MIRA 11:12)
(Shmidt, Cape--Atmospheric temperature) (Cosmic rays)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

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83580

S/056/60/038/005/013/050
B006/B070

24.6520

AUTHORS: Galanina, N. D., Shvartsman, B. F., Diament, A. Ya.

TITLE: Determination of the Spin of the Pt^{196} Nuclear Level From Resonance Neutron Capture γ-Rays 79

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 38, No. 5, pp. 1446-1450

TEXT: The method of determining nuclear spins from the spectra of γ-rays resulting from the capture of resonance neutrons is particularly good if a radiative transition from an excited to the ground level is possible only for a single spin value of the excited state. This method has been used (Refs. 1-4) for the determination of the spin of a number of levels of Hg^{199} and W^{183}. The nucleus of the platinum isotope investigated here is even-even, and has the spin 1/2. The experimental arrangement is shown in Fig. 1. A cyclotron supplied neutron pulses of 2-3 μsec. The energies of the neutrons were measured by time-of-flight measurements. The γ-rays resulting from the neutron capture were

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Determination of the Spin of the Pt^{196} Nuclear Level From Resonance Neutron Capture γ-Rays

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detected by two NaI(Tl) crystals and a photomultiplier of the type ФЭУ-24 (FEU-24). The gamma detectors were shielded by lead and boron carbide. The crystals were shielded from the neutrons scattered by the sample by a 2 cm thick sheet of boron carbide. The pulse height in the crystal was calibrated by measuring the energy of gamma rays from Co^{60} (1.17 and 1.33 Mev) and Po+Be (4.45 Mev) with a multi-channel pulse-height analyzer. These experiments show that the crystals did not have sufficient resolution. (Fig. 2 shows the calibration curves of the NaI(Tl) crystals). The results of measurements of the gamma intensities as functions of the neutron energies E_n are tabulated and shown in Fig. 3. The counting rate was so high that, after 2-3 hours, curves with a statistical accuracy of ~3% were obtained. The three diagrams of Fig. 3 show N_γ (E_n) for E > 2 Mev, > 6 Mev, and > 7 Mev. (N_γ is the number of pulses). The known levels (11.9, 19.6, and 68.2 ev) were well resolved only in the E_γ range of 2-6 Mev. The 95-ev level belongs to the isotope $_{78}Pt^{198}$. There was no resolution at higher neutron energies. The

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83580

Determination of the Spin of the Pt^{196} Nuclear Level From Resonance Neutron Capture γ-Rays

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interpretations of the spectra are discussed in detail. A total view of the spectrum is given in Fig. 4. It is found that the gamma intensity of both levels (11.9 and 19.6 ev) decreases rapidly at high energies. A comparison of both spectra (Fig. 5) confirms qualitatively the result earlier obtained, namely, that in the gamma-energy range 6.5-7 Mev, the intensity of the spectrum for the 19.6-ev resonance falls twice as strongly as the intensity for the 11.9-ev resonance. There are 5 figures, 1 table, and 7 references: 2 Soviet, 2 US, 1 Swiss, and 1 French.

SUBMITTED: December 18, 1959

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137-58-6-11909

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 104 (USSR)

AUTHORS: Shvartsman, B.Kh., Vlasov, V.V.

TITLE: Relationship of the Temperature Limit of Sinter Formation to the Content of Iron Compounds in Tikhvin Bauxites (Zavisimost' temperaturnogo predela spekoobrazovaniya ot soderzhaniya soyedineniy zheleza v boksitakh Tikhvinskogo mestorozhdeniya)

PERIODICAL: Tr. Vses. alyumin.-magn. in-ta, 1957, Nr 39, pp 129-132

ABSTRACT: An investigation is made of the effect of the Fe compounds in Tikhvin bauxites upon the sintering temperature limit. Mixes of bauxites having varying amounts of Fe were sintered with limestone and soda in the form of briquets at 1100°C to the temperature of onset of fusion. Sintering proper at the given temperature continued for 30 min. The sinter was then cooled and visually evaluated for physical condition, ground to -63 mesh, and leached with NaOH solution (25-26 g Na_2O/liter) for 15 min, the liquid-to-solid ratio being 5 and the temperature 85°. It was found that the temperature limit of sinter formation fluctuates within the 1200-1325° range for bauxite having a weight ratio of Al_2O_3/Fe_2O_3 = 2.5-3, and 1200-1275° for

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Relationship of the Temperature (cont.)

bauxite with a weight ratio of $Al_2O_3/Fe_2O_3 = 2$ regardless of the dosage of limestone in the charge and the amount of SiO_2 in the bauxites (the Al_2O_3/SiO_2 weight ratio was 2.59-3.86). The effect of increasing the Fe contents of the bauxites as the Al_2O_3/Fe_2O_3 weight ratio changed from 3 to 2 consists of narrowing the temperature range of sintering, reducing the temperature of onset of sinter fusion by 25-50°, and reducing the extraction of alumina and caustic from the aluminum with standard leaching.

N.P.

1. Sintered aluminum ores--Temperature factors 2. Iron compounds--Thermal effects

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

137-58-4-6799

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 69 (USSR)

AUTHORS: Shvartsman, B. Kh., Novikova, M. I.

TITLE: Discovery of an Appropriate Procedure for Single Cooling of Aluminate Solution in the Leaching of Sinter in Diffusers (Vyyavleniye rezhima odnokratnogo okhlazhdeniya alyuminatnogo rastvora pri vyshchelachivanii speka v diffuzorakh)

PERIODICAL: Tr. Vses. alyumin.-magn. in-ta, 1957, Nr 39, pp 181-193

ABSTRACT: It was found that the most favorable temperature conditions for the extraction of BAZ clinker when the solution is subjected to a single cooling is provided by a schedule providing for the temperature of the solution in the lead diffuser to fluctuate within the 80-90° range. With single cooling of the solution extraction of Al_2O_3 from the sinter is 3% higher than in leaching of the clinker in diffusers with individual condensers. Fluctuation of the solution temperature in the head diffuser in the 80-90° range makes for uniform extraction of Al_2O_3, whether the solution is taken off for cooling from the 4th or from the 3rd diffuser. When the solution is removed for cooling from the 2nd diffuser, extraction of Al_2O_3 from the clinker diminishes by 4%.

G.S.

Card 1/1

1. Aluminates--Solutions--Cooling methods 2. Sintering--Applications

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137-58-6-11913

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 104 (USSR)

AUTHOR: Shvartsman, B.Kh.

TITLE: Flow Leaching of Bauxite Sinter in Counterflow Diffusion Batteries (Protochnoye vyshchelachivaniye boksitovogo speka v diffuzorakh)

PERIODICAL: Tr. Vses. n.-i. alyumin.-magn. in-ta, 1957, Nr 40, pp 48-81

ABSTRACT: The results of investigations to determine optimum conditions for leaching bauxite sinter in a diffusion battery are presented. The following were studied: 1) the influence of the strength of the aluminate solution on sinter leaching indices in diffusion batteries; 2) the effect of the caustic in leaching; 3) the existence of a relationship between an uneven flow of the solution and the design of the diffusion unit; 4) the influence of the degree of crumbling of the sinter upon the alumina and caustic extraction parameters in leaching; 5) narrowing of temperature conditions and leaching time; 6) the reaction of the aluminate solutions with the sinter and individual classes thereof at various stages of the leaching process. N.P.

Card 1/1 1. Sintered aluminum ores--Processing 2. Sintered aluminum ores--Chemical reactions

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

S/136/60/000/04/012/025
E193/E283

AUTHORS: Shvartsman, B. Kh., Candidate of Technical Sciences, and Volkova, N. S., Engineer

TITLE: Preparation of High-Grade Alumina from Bauxites by the Roasting (Deville-Pechiney) Process

PERIODICAL: Tsvetnyye metally, 1960, Nr 4, pp 48-51 (USSR)

ABSTRACT: The standard Deville-Pechiney process in which CO_2 is used to precipitate $Al(OH)_2$ from an aluminate solution, yields alumina containing more than 0.15% SiO_2, i.e. material of the G2 or G3 grade. The object of the investigation, described in the present paper, was to explore the possibility of modifying this process to make it capable of producing high-purity alumina, corresponding to grades GO or even GOO, without lowering the overall degree of decomposition of the aluminate solution below 90%. To this end, a method of so-called combined decomposition of the aluminate solution was used, which combined partial decomposition of the solution followed by settling. Solutions, prepared by lixiviation of products of roasting obtained at the Tikhvin Aluminium Plant, were used in the experiments in which particular attention was given to the fact that solubility of silica

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E193/E283

Preparation of High-Grade Alumina from Bauxites by the Roasting (Deville-Pechiney) Process

in the aluminate solution increases with falling temperature. To establish the effect of temperature variation on the quality of aluminium hydroxide, the first stage of decomposition of the aluminate solution (i.e. the carbonization process) was carried out at 78 and 85°C; in the second stage (settling), the temperature was allowed gradually to drop to 40 to 45°C. Preliminary experiments were conducted on solutions having the silicon modulus similar to that obtaining under the actual industrial conditions, i.e. equal 370 to 406. A gas containing 10 to 12% CO_2 was used in the carbonization stage, and the "seed" was added in a quantity equivalent to 6 g of alumina per 100 g of Al_2O_3 in the solution, the SO_2 content in the "seed" varying between 0.03 and 0.13%. The degree of decomposition during carbonization was varied to study the behaviour of the precipitated sodium alumina-silicate during subsequent settling. It was established that, irrespective of the carbonization temperature, precipitation of silica during settling continues up to a given moment, after which its content

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Preparation of High-Grade Alumina from Bauxites by the Roasting (Deville-Pechiney) Process

increases. In cases, when the solution at the end of the carbonization stage contained 22 to 25 g/l Na_2O, the SiO_2 content began to increase at $\alpha_K > 2.7$, and aluminium hydroxide of grade G1 was obtained, the degree of decomposition of the solution amounting to 90 to 92%. The results of some experiments are reproduced in Fig 1 under the following headings: temperature, °C, during carbonization and during settling; condition of the solution (starting solution, after 8 h 15 min carbonization, after 25 h settling; starting solution, after 7 h 45 min carbonization, after 24 h settling; starting solution, after 6 h carbonization, after 20 h settling); characteristics of the solutions (content, g/l, of Al_2O_3, Na_2O_{total}, $Na_2O_{silicate}$, $Na_2O_{carbonate}$, and SiO_2; α_K; degree, %, of decomposition); SiO_2 content, %, in washed aluminium hydroxide and related to alumina. These results have shown that when aluminate solutions, with the silicon modulus of 380, are treated by the combined process under

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S/136/60/000/04/012/025
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Preparation of High-Grade Alumina from Bauxites by the Roasting (Deville-Pechiney) Process

conditions of high degree of decomposition, alumina of grade no higher than G1 can be produced. It was thus necessary to reduce the silica content in the aluminate solution by the application of high (250°C) temperature and addition of red mud, and to explore the possibility of preparing high-grade alumina from solutions having the silicon modulus higher than that obtaining under industrial conditions. It was established in the course of the subsequent experiments that the silicon modulus can be increased by: (1) agitating the solution with suspension of red mud prior to removal of silica in order to produce nuclei for crystallization of sodium alumina-silicate; (2) agitating the pulp, after removal of silica, at 100°C for several hours to reduce the degree of super-saturation of the aluminate solution with silica; (3) increasing the temperature of the treatment. It was found, also, that the silicon modulus of the solution could be increased by 100 units if removal of silica (following the autoclave treatment) was carried out

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S/136/60/000/04/012/025
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Preparation of High-Grade Alumina from Bauxites by the Roasting (Deville-Pechiney) Process

at temperatures $\geqslant$ 200°C. The results of the experiments carried out on solutions with the silicon modulus of 550 to 560, are presented in Table 2 under headings identical to those in Table 1. It will be seen that if a solution with a silicon modulus of approximately 550 is used, the combined precipitation method is capable of producing alumina of grade GOO (with respect to the silica content) and GO (with respect to the alkali content), with the degree of decomposition of the aluminate solution approaching 92 to 93%. There are 2 tables.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B. Kh.

Study of the solubility of K_2SO_4 and Na_2SO_4 in a mixture of alkali-aluminate solutions of potassium and sodium. Zhur.prikl.khim. 33 no.5:1048-1052 My '60. (MIRA 13:7)
(Potassium sulfate) (Sodium sulfate) (Solubility)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.

Obtaining high-grade alumina (GO and GOO brands) by the treatment of nepheline rocks. TSvet. met. 34 no.2:60-65 F '61. (MIRA 14:6)

(Nephelite) (Alumina)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.

Study of the system $NaAlO_2$ - $KAlO_2$ - KOH - NaOH - K_2SO_4 - Na_2SO_4 - H_2O (K - Na - AlO_2 - OH - SO_4 - H_2O). Zhur.prikl.khim. 34 no.7: 1490-1502 Jl '61. (MIRA 14:7)

(Systems (Chemistry))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

DUMSKAYA, A.F.; SHVARTSMAN, B.Kh.

Conference on prospects of utilizing alkali products obtained during the production of alumina from nepheline rocks. TSvet. met. 34 no.11:83-84 N '61. (MIRA 14:11)
(Aluminum industry--By-products)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.

Study of the system $NaAlO_2$-$KAlO_2$-KOH-NaOH-K_2SO_4-Na_2SO_4-H_2O (K^+-Na^+-AlO_2^--OH-$SO_4^{=}$-H_2O). Zhur. prikl. khim. 34 no. 12:2633-2649 D '61. (MIRA 15:1)

(Systems (Chemistry))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.

Composition of aluminocarbonate compounds in aluminum hydroxide as affected by the carbonization rate of aluminate solutions. Zhur.prikl.khim. 35 no.4:906-908 Ap '62. (MIRA 15:4)
(Aluminum hydroxide) (Carbonization)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.

Effect of potassium on the process of desiliconizing aluminate solutions. TSvet. met 35 no.6:84-86 Je '62. (MIRA 15:6)
(Aluminum--Metallurgy) (Leaching)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.; SHAVLOKHOVA, T.T.; GABILEV, V.Kh.; KASHKOVSKIY, M.S.

Industrial testing of the methods of obtaining high-grade alumina from nepheline. TSvet. met. 35 no.7:41-45 Jl '62. (MIRA 15:11)

(Nepheline) (Alumina)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.

Removal of silicon compounds from aluminate solutions obtained in the treatment of high-silicon alumina-containing ores. Zhur.-prikl.khim. 35 no.12:2600-2605 D '62. (MIRA 16:5)
(Aluminates) (Silicon compounds) (Ore dressing)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; BELETSKIY, M.S.; VOLKOVA, N.S.; LEONENKOVA, T.A.

Composition of sodium and potassium aluminosilicates separating out in the process of removal of silicon compounds from aluminate-alkali solutions. Zhur. prikl. khim. 36 no.10: 2103-2108 O '63. (MIRA 17:1)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Kh.; VOLKOVA, N.S.

Determination of the composition of aluminate solutions practically at equilibrium with silica obtained at various stages of thickening by evaporation during the treatment of bauxites. Zhur. prikl. khim. 37 no.2:250-255 F '64. (MIRA 17:9)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN B. E.

SA

B 64
C

Mechanization of the processes of insulating electric motor windings. Shvartsman, B. E. Vestn. Elektroprom. (No. 6) 20-5 (1960) In Russian.—Proposals for motor winding are described which have already been introduced in a series of asynchronous motors for 200 kW, 6 kV operation and employing bare rectangular copper conductors with automatically applied "mica band" insulation and single cotton braid. A. L.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

BROMBERG, V.A.; TSIKHANOVICH, B.G., redaktor; SHVARTSMAN, B.Ye., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor.

[Equipment and attachments for mechanizing insulation and winding processes] Oborudovanie i prisposobleniia dlia mekhanizatsii izoliatsionno-obmotochnogo proizvodstva. Moskva, Gos. energ. izd-vo, 1953. 78 p. [Microfilm] (MLRA 7:11)

(Electric motors)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, B.Ye., redaktor; TSIKHANOVICH, B.G., redaktor; ZABRODINA, A.A., tekhnicheskiy redaktor

[Progressive methods of winding in the construction of electric machinery; from practices of the Kirov "Elektrosila" Plant] Peredovye priemy obmotochnykh rabot v proizvodstve elektricheskikh mashin; iz opyta zavoda "Elektrosila" imeni S.M.Kirova. Moskva, Gos. energet. izd-vo 1954. 60 p. (MLRA 8:3)

(Electric machinery--Design and construction)

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1. TROSHANINA, M. I. SHVARTSMAN, D. A.

2. USSR (600)

3. Looms

4. Exploitation of ATK-100 looms at the "Rabochii" factory.
N. L. Tekst. prom. 12, No. 11 - 1952.

9. Monthly List of Russian Acessions, Library of Congress, February, 1953. Unclassified.

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KUKUSHKIN, A.I.; KOGAN, Ya.M.; SMIRNOV-SERGEYEV, A.M.; SHVARTSMAN, D.A.

Operating methods of determining expected production costs. Tekst. prom. 14 no.6:15-17 Je '54. (MLRA 7:7)
(Textile industry--Costs)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

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SHVARTSMAN, D. A.

Shvartsman, D. A. -- "Investigation of the Rhythmicity of Spinning Production." Min Higher Education USSR, Leningrad Textile Inst imeni S. M. Kirov, Leningrad, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D.A., kand.tekhn.nauk

"Principal funds of the textile industry and their utilization" by I.G. Ioffe. Reviewed by D.A. Shvartsman. Tekst. prom. 18 no.9:66-67 S '58. (MIRA 11:10)
(Textile industry)
(Ioffe, I.G.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, David Aronovich; POLYAK, T.B., retsenzent; KUKUSHKIN, A.I., red.; ARKHANGEL'SKIY, S.S., red. [deceased]; MEDVEDEV, L.Ya., tekhn.red.

[Organization of rhythmic work in the cotton spinning and weaving industry] Organizatsiia ritmichnoi raboty v khlopchato-bumazhnom priadil'no-tkatskom proizvodstve. Pod red. A.I.Kukushkina. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi prom., 1959. 174 p. (MIRA 12:5)

(Cotton manufacture)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D.A.

New book on cost planning ("Cost planning in enterprises of the textile industry. by N.V. Altundzhi, M.N. Ivanova. Reviewed by D.A. Shvartsman). Tekst. prom. 19 no.11:88-89 N '59. (MIRA 13:2)

(Textile industry--Costs)
(Altundzhi, N.V.)
(Ivanova, M.N.)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D., kand.tekhn.nauk

What hinders the creative work of an engineer. NTO 2 no.2: 32-33 F '60. (MIRA 13:5)

1. Predsedatel' soveta pervichnoy organizatsii Nauchnotekhnicheskogo obshchestva pryadil'no-tkatskoy fabriki "Rabochiy," Leningrad.
(Leningrad--Textile industry)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D.A., kand.tekhn.nauk

A.T.Krasikova, weaver of the "Rabochii" Factory. Tekst. prom. 20 no. 12:56-59 D '60. (MIRA 13:12)
(Leningrad--Textile workers) (Efficiency industrial)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D.

Following an innovator. MTS 3 no.11:50-51 N '61. (MIRA 14:10)

1. Predsedatel' soveta Nauchno-tekhnicheskogo obshchestva leningradskoy fabriki "Rabochiy".
(Leningrad--Textile industry)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D.A.; LIOGINSKIY, G.D.

Calculating the production costs per ruble of goods. Tekst. prom. 21 no.1:8-10 Ja '61. (MIRA 14:3)

(Manufactures—Costs)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D.A.; SKORODUMOVA, V.A.; ZAVLINA, P.S.

Correct analysis of yarn breakage on spinning spindles. Tekst. prom. 21 no.6:4-8 Je '61. (MIRA 15:2)
(Spinning)

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SHVARTSMAN, D.A., kand.tekhn.nauk

"Labor productivity and required labor input for the manufacturing of articles in the cotton industry" by T.B.Poliak. Reviewed by D.A.Shvartsman. Tekst.prom. 21 no.12:80-83 D '61. (MIRA 15:2)

(Cotton manufacture--Labor productivity)
(Poliak, T.B.)

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SHVARTSMAN, D.A., kand.tekhn.nauk

For a masimum utilization of production capacities; valuable initiative of K.A.Shcherbakov, assistant foreman. Tekst.prom.2 no.3: 32-35 Mr '62. (MIRA 15:3)

1. Nachal'nik planovo-proizvodstvennogo otdela fabriki "Rabochiy." (Looms)(Efficiency,Industrial)

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SH[redacted]ARTSMAN, D.A., kand.tekhn.nauk

Determining the extent of mechanization and automation.
Tekst.prom. 23 no.1:29-32 Ja '63. (MIRA 16:2)

1. Nachal'nik laboratorii ekonomicheskikh issledovaniy Nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khoz[redacted]tva.
(Machinery in industry)
(Textile industry)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, D.A., kand.tekhn.nauk

Operational methods for determining and analyzing breakage. Tekst.prom. 23 no.5:55-59 My '63. (MIRA 16:5)

1. Nachal'nik laboratorii ekonomicheskikh issledovaniy Nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva.
(Spinning) (Production control)

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DUBROV, N.F., kand.tekhn.nauk; SHVARTSMAN, D.Sh.

Life of heat-resistant chrome-magnesite bricks in open-hearth furnace crowns. Ogneupory 18 no.2:89-95 F '53. (MIRA 11:10)

1.Verkhne-Isetskiy metallurgicheskiy zavod (for Dubrov) 2.Giseogneuper (for Shvartsman)
(Firebrick) (Open-hearth furnaces)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, E.I.

Outlook for the utilization of monospermous beets. Sakh.prom. 31 no.3:54-55 Mr '57. (MIRA 10:4)
(Sugar beets)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

M

Country : USSR
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 22, 1958, No 100265

Author : Radchenko, O.N.; Shvartsman, E.M.
Inst : Odessa University
Title : The Influence of Pollen Mixture on the Yield of Corn Progeny.

Orig Pub: Nauchn. yezhegodnik. Odessk. un-t, 1956, Odessa, 1957, 284-285.

Abstract: Results of the study of F_1 corn hybrids secured at Odessa University in 1956, by means of artificial pollination with a mixture of pollen. The greatest yield was produced by the combination: Grushevskaya odesskaya x

Card : 1/2

Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 22, 1958, No 100265

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(Hybrid Odesskiy 1 VIR 42 Kremnistaya skorospelaya). The excess of the grain yield in hybrids over the primary forms comprised 15.0-21.5%.

Card : 2/2

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SOV/124-57-4-3872

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 6 (USSR)

AUTHOR: Shvartsman, G. A.

TITLE: On the Dynamic Conditions of the Plane-parallel Motion of a Rigid Body (O dinamicheskikh usloviyakh ploskoparallel'nogo dvizheniya tverdogo tela)

PERIODICAL: Tr. Kiyevsk. tekhnol. in-ta legkoy prom-sti, 1955, Nr 7, pp 161-166

ABSTRACT: The author establishes that a free rigid body can perform a plane-parallel motion only within a plane that is parallel to its own plane of material symmetry and only in that case when the external forces can be reduced to a single force or a single force couple which lies within that plane under fully determined initial conditions.

L. N. Chekhova

Card 1/1

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

YEMETS, P.M., inzh.; SKVARIK, V.P., kand. tekhn. nauk, dotsent; SHVARTSMAN, G.A., inzh.

Calculation of stresses in transport with roller feeding. Izv. vys. ucheb. zav.; tekh. leg. prom. no.3:123-131 '63. (MIRA 16:7)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy teoreticheskoy mekhaniki, teorii mekhanizmov i mashin.

(Shoe machinery)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

1. SHVARTSMAN, G. M.

2. USSR (600)

4. Plywood

7. Quality of plywood panels.
Der. i lesokhim. prom. 1 No. 4, 1952

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

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kandidat tekhnicheskikh nauk.

Sagging of the log and its effect on the quality of the veneer sheet. Der.i lesokhim.prom. 2 no.7:15-18 Jl '53. (MLRA 6:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli. (Veneers and veneering)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kandidat tekhnicheskikh nauk.

Organization of labor at shearing machines. Der.i lesokhim.prom. 2 no.9: 21-23 S '53. (MLRA 6:8)

1. TsNIIFM. (Woodworking machinery)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kandidat tekhnicheskikh nauk.

Preventing the warping of wood slabs used in cabinet making. Der.i lesokhim. prom. 3 no.2:16-18 F '54. (MLRA 7:1)

1. TSNIIFM.

(Cabinetwork)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M.

Wallboard sheets from shavings and sawdust. Der. i lesokhim. prom. 3 no.7:17-18 Jl '54. (MLRA 7:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.
(Wallboard)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.

Furniture Surfaces Made of Shavings and Sawdust. Leka Promishlenost (Light Industry), #11:17: Nov 54

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

APAKIN, I.S., inzhener; SHVARTSMAN, G.M., kandidat tekhnicheskikh nauk

The use of waste wood panels in furniture manufacture. Der.prom. 4 no.6:5-7 Je 55. (MIRA 8:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli
(Wood waste) (Furniture industry)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kandidat tekhnicheskikh nauk

The preparation of neceer cutters. Der.prom.4 no.7:11-15 Jl'55. (MLRA 8:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli

(Veneers and veneering) (Cutting tools)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kandidat tekhnicheskikh nauk.

Technology and organization of manufacturing panels from shavings. Der.prom. 5 no.3:5-8 Mr '56. (MLRA 9:7)

1.TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.
(Furniture industry) (Wood waste)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kandidat tekhnicheskikh nauk.

Breaking up woodworking wastes for the manufacture of panels. Der.prom 5 no.12:15-16 D '56. (MLRA 10:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.
(Wood waste) (Hardboard)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

BANKO, V.P.; DEMIDOVA, L.A.; ILYUSHEV, M.A.; KONDRASHKIN, Ye.P., kand. tekhn.nauk; MIRKOVICH, N.A.; PLATNIKOVA, G.P.; POROKHIN, A.A., kand. tekhn.nauk; RUMYANTSEVA, O.M.; TEMKINA, R.Z., kand.tekhn.nauk; TIKHONOV, N.F.; SHVARTSMAN, G.M., kand.tekhn.nauk; SHEYDIN, I.A., kand.tekhn.nauk; SMIRNOV, A.V., red.; VOLOKHONSKAYA, L.V., red. izd-va; BACHURINA, A.M., tekhn.red.

[Veneerer's handbook] Spravochnik fanershchika. Vol.2. 1959. 333 p. (MIRA 13:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.
(Veneers and veneering)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kand.tekhn.nauk

Intensification of the process of gluing boards from wood chips. Trudy TSNIIFM 1:5-12 '60. (MIRA 16:5)
(Hardboard) (Gluing)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330007-7

SHVARTSMAN, G.M., kand.tekhn.nauk

Effect of some technological factors on the quality of carpenter's plates. Trudy TSNIIFM 1:13-29 '60. (MIRA 16:5)
(Carpentry)

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