BARIT, S.Yu., inzhener; [illegible], N.V., inzhener.

Demonstration building in Baku and our problems. Stroi.pred. neft.prom. 2 no.4-8 Je '57. (MIRA 10:7)
(Construction industry) (Petroleum industry)

SHIRYAYEV, N.V., inzh.

Selecting a method for laying pipelines in swampy areas. Stroi. pred. neft. prom. 3 no.4:8-10 Ap '58. (MIRA 11:5)
(Pipelines)

SHIRYAYEV, P.A.

BARDIN, I.P., akademik, otv.red.; STRUMILIN, S.G., akademik, red.; SHEVYAKOV, L.D., akademik, red.; SHCHERBAKOV, D.I., akademik, red.; ARTIPOV, M.I., red.; BELYANCHIKOV, K.P., red.; BRODSKIY, V.B., red.; YEROFEYEV, B.N., red.; LIBERMAN, A.Ya., red.; MELESHKIN, S.M., red.; ORLOV, I.V., red.; SMIRNOV-VERIN, S.S., red.; RIKMAN, V.V., red.; SAMARIN, A.M., red.; SLEDZYUK, P.Ye., red.; SKOBNIKOV, M.L., red.; SOKOLOV, G.A., red.; FREY, V.I., red.; KHLEBNIKOV, V.B., red.; SHAPIRO, I.S., red.; SHIRYAYEV, P.A., red.; KUDASHEV, A.I., red.izd-va; KUZ'MIN, I.F., tekhn.red.

[Magnetite ores of the Kustanay Province and their exploitation] Magnetitovye rudy Kustanaiskoi oblasti i puti ikh ispol'zovaniia. Otvetstvennyi red. I.P. Bardin. Moskva, Izd-vo Akad. nauk SSSR, 1958. 489 p. (Zhelezorudnye mestorozhdeniia SSSR). (MIRA 12:2)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. (Kustanay Province--Magnetite)

18(0) PHASE I BOOK EXPLOITATION SOV/1728

Akademiya nauk SSSR. Institut metallurgii

Sovremennyye problemy metallurgii (Modern Problems in Metallurgy) Moscow, Izd-vo AN SSSR, 1958. 640 p. 3,000 copies printed.

Resp. Ed.: A.M. Samarin, Corresponding Member, USSR Academy of Sciences; Eds. of Publishing House: V.S. Rzhevnikov, and A.N. Dernov; Tech. Ed.: T.V. Polyakova.

PURPOSE: This book is intended for scientific and technical personnel in the field of metallurgy.

COVERAGE: This is a collection of articles on certain aspects of Soviet metallurgy. The book is dedicated to Academician Ivan Pavlovich Bardin on the occasion of his 75th birthday. The book is divided into seven parts. The first part consists of two articles presenting a brief account of the biography and professional activity of the Soviet metallurgist. It includes an article by John Chipman, Nicholas Grant, and John Elliott (M.I.T., USA) describing their meeting with Bardin in Moscow and also his visit to the United States. The second part consists of three articles and deals with raw materials and fuels for the Soviet metallurgical industry. The third part represents the major portion of the book. It consists of 25 articles dealing with the various aspects of the metallurgy of pig iron and steel. The fourth part consists of two articles treating the metallurgy of nonferrous metals. The fifth part consists of three articles on the forming of metals. The sixth part consists of eight articles discussing certain aspects of physical metallurgy. The last part deals with general problems in the field of metallurgy. References are given after each article. No personalities are mentioned.

TABLE OF CONTENTS:

Modern Problems in Metallurgy SOV/1728

Card 7/12

AUTHOR: None Given 30-58-5-37/45

TITLE: Granting of Awards (Prisuzhdeniye premiy)
Council for the Investigation of Productive Power
(Sovet po issledovaniyu proizvoditel'nykh sil)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, Nr 5, pp. 111-111 (USSR)

ABSTRACT: 1) I. P. Bardin, Member, Academy of Sciences, L. V. Pustovalov, corresponding member of the AS USSR, S. A. Sokolov, doctor of geological-mineralogical sciences, S. S. Smirnov-Verin (posthumous), candidate of technical sciences, I. S. Shapiro, V. D. Brodskiy and P. A. Shiryayev, candidates of economy, to the authors' collective for the work: "Iron-ore basis of the Iron Metallurgy of the USSR".

2) A. Ye. Probst, doctor of economy, A. I. Aleksandrova, candidate of technical sciences, V. D. Brodskiy and A. D. Rasenstreter, candidates of economy, V. I. Ovsyannikov, to the of authors' collective for the work: "Developmental Perspectives of the Electric Shaft Furnace in the East of the USSR (Eastern Siberia and Far East)"

Card 1/1

BARDIN, Ivan Pavlovich, akademik; SHIRYAYEV, Petr Andreyevich, kand. ekon.nauk; KOMAROVA, T.F., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Third metallurgical center of the U.S.S.R.] Tret'ia metallurgicheskaia baza SSSR. Moskva, Izd-vo "Znanie," 1959. 47 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.3, Ekonomika, no.34) (MIRA 12:11)
(Siberia--Metallurgical plants)

SHAPIRO, Izrail' Solomonovich; BARDIN, I.P., akademik, red.; OSALA, P.A., red.; SHIRYAYEV, P.A., red.; PONOMAREVA, A.A., tekhn.red.

[Kazakhstan is a new supply center of ferrous metallurgy] Kazakhstan - novaia baza chernoi metallurgii. Moskva, Gosplanizdat, 1959. 68 p. (MIRA 13:2)

(Kazakhstan--Iron mines and mining)
(Kazakhstan--Coal mines and mining)

PHASE I BOOK EXPLOITATION SOV/4252

Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil

Chernaya metallurgiya (Ferrous Metallurgy) Moscow, Izd-vo AN SSSR, 1960. 275 p. (Series: Razvitiye proizvoditel'nykh sil Vostochnoy Sibiri) Errata slip inserted. 2,000 copies printed.

Ed.: G.I. Lyudogovskiy, Candidate of Technical Sciences; Ed. of Publishing House: G.M. Makovskiy; Tech. Ed.: Ye.V. Makuni; Editorial Board of this vol.: S.S. Dvorin, N.V. Ovchininskiy, Candidate of Technical Sciences, A.N. Pokhvisnev, Doctor of Technical Sciences, and A.A. Fedotov, Engineer; Editorial Board of Series: I.P. Bardin, (Deceased), Academician, Academy of Sciences USSR (Chief. Ed.); M.A. Lavrent'yev, Academician, Academy of Sciences USSR; S.I. Vol'fkovich, Academician, Academy of Sciences USSR; V.I. Dikushin, Academician, Academy of Sciences USSR; V.S. Nemchinov, Academician, Academy of Sciences USSR; V.I. Veyts, Corresponding Member, Academy of Sciences USSR; G.D. Levitskiy, Corresponding Member, Academy of Sciences USSR; N.N. Nekrasov, Corresponding Member, Academy of Sciences USSR; L.D. Pustovalov, Corresponding Member, Academy of Sciences USSR; T.S. Khachaturov, Corresponding Member, Academy of Sciences USSR; N.F. Rostovtsev, Academician, All-Union Academy of Agricultural Science; A.N. Popov, Member, Academy of Building and Architecture USSR; L. Ye. Grafov, Deputy Chairman, State Planning Committee of the Council of Ministers RSFSR; A.D. Gaabev, Member, State Planning Committee of the Council of Ministers RSFSR; A.Ye. Protat, Professor; V.F. Vasyutin, Professor; V.A. Krotov, Professor; P.V. Vasil'yev, Doctor of Economics; G.I. Lyudogovskiy, Candidate of Technical Sciences; P.A. Letunov, Candidate of Geology and Mineralogy; and N.G. Nikol'nikov, Candidate of Economics.

PURPOSE: This collection of papers is intended to furnish information on industrial resources in Eastern Siberia and to provide a basis for future developmental planning in the field of ferrous metallurgy.

COVERAGE: The collection is a summary of the proceedings of the Ferrous Metallurgy Section of the Joint Conference of Representatives of the Academy of Sciences USSR, the State Planning Commission, and the Council of Ministers RSFSR on the Development of the Industrial Resources of Eastern Siberia. The collection deals with four main areas of development in Eastern Siberia: 1) Mineral resources, 2) the fuel base, 3) prospects for the development of ferrous metallurgy, and 4) problems in the development of electrometallurgy. A list of the 112 members of the Section with their affiliations is given in the Appendix. References accompany several of the articles.

SECTION III. PROSPECTS FOR THE DEVELOPMENT OF FERROUS METALLURGY IN EASTERN SIBERIA

Card 6/8

PARDIN, I.P , akademik, otv. red.[deceased]; BELYANCHIKOV, K.P., nauchnyy red.; YEROFEYEV, B.N., nauchnyy red.; ZVYAGIN, P.Z., nauchnyy red.; KOSHELEV, V V., nauchnyv red.; MELESHKIN, S.M., nauchnyy red.; MIRLIN, G.C., nauchnyy red.; MOSKAL'KOV, Ye.F., nauchnyy red.; POKROVSKIY, M.A., nauchnyy red.; SLEDZYUK, P.Ye., nauchnyy red.; FINKELSHTEYN, A.S., nauchnyy red.; KHARCHENKO, A.K., nauchnyy red.; SHEVYAKOV, L.D., akademik, nauchnyy red.; SHAPIRO, I.S., nauchnyy red.; SHIRYAYEV, P.A., nauchnyy red.; OKHRIMYUK, Ye.M., nauchnyy red.; YANSHIN, A.L., akademik, nauchnyy red.; MAKOVSKIY, G.M., red.izd-va; VOLKOVA, V.G.,tekhn. red.

[Oolitic iron ores of the Lisakovka deposit in Kustanay Province and means for their exploitation]Oolitovye zheleznye rudy Lisakovskogo mestorozhdeniia Kustanaiskoi oblasti i puti ikh ispol'zovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 234 p. (Zhelezorudnye mestorozhdeniia SSSR [no.1]) (MIRA 15:12)

1. Akademiya nauk SSSR. Institut gornogo dela.
(Kustanay Province—Iron ores)

BRYUKHANENKO, B.A., dotsent, kand. ekonom. nauk; BEN', T.G.; GERSHTENKERN, S.Ya.; KAGAN, I.S.; PRAVDIN, M.V.; STOGNIY, A.F.; KHAKHALINA, A.N.; CHERNIKHOV, V.S.; KOBYLYAKOV, I.I., dotsent, kand. ekonom. nauk; SHIRYAYEV, P.A., kand. ekonom. nauk

"Economic aspects of ferrous metallurgy" by N.P. Bannyi, V.B. Brodskii, IA.A. Oblomskii, V.V. Rikman, L.N. Roitburd. Reviewed by B.A. Briukhanenko and others. Stal' 22 no.6: 562-565 Je '62. (MIRA 16:7)

1. Dnepropetrovskiy metallurgicheskiy institut (for Ben', Gershtenkern, Kagan, Pravdin, Stogniy, Khakhalina, Chernikhov). 2. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz (for Kobylyakov).

(Iron industry) (Steel industry)
(Brodskii, V.B.) (Oblomskii, IA.A.)
(Rikman, V.V.) (Roitburd, L.N.)

KHAKHALINA, Anastasiya Nikolayevna; BEL'GOL'SKIY, Boris Petrovich; SHIKYAYEV, F.A., red.; LEVIT, Ye.I., red.izd-va; KARASEV, A.I., tekhn. red.

[Economics, organization and planning of steel production in open-hearth furnaces] Ekonomika, organizatsiia i planirovanie martenovskogo proizvodstva stali. Moskva, Metallurgizdat, 1964. 199 p. (MIRA 17:4)

SHIRYAYEV, P.Kh.

Selecting the optimum work balance among the units of drilling departments. Neft. khoz. 40 no.5:9-11 My '62. (MIRA 15:9)

(Oil well drilling)

[illegible], [illegible]; [illegible]

[illegible] structure [illegible] upper parts of the [illegible]-type iron-[illegible] deposits as [illegible] study in the Kapayevo deposit. Geol. [illegible] no.7:[illegible] (MIRA 15:9)

[illegible] otdeleniya AN SSSR, Irkutsk.

AKSENOV, P.V., kand. tekhn. nauk; SHIRYAYEV, P.P.

Controllability of independent semitrailers. Avt. prom. 29 no.11:16-18 N '63. (MIRA 16:12)

[redacted], V.A.

Approximate method for calculating contact stresses at the base of a hard strip on a sand foundation. Ster. dokl. po gidr. VNIIG no.4:111-129 '62. (MIRA 18.7)

PROGNIMAK, D.Ya.; NEYTENBURG, V.Ye.; MILOVA, L.M.; SHIRYAYEV, R.V.

Technical and economic analysis of coal production in the hydraulically mined section of "Novo-Grodovka" Mine No.3. Sbor.DonUGI no.22:20-28 '61. (MIRA 15:6)
(Donets Basin--Hydraulic mining)

LYUBIMOV, R.V.; OBORIN, B.I.; SHIRYAYEV, S.A.; DOBRIN, Z.Ye.; SHALKOV, K. A.; YAKOVLEV, A.I.

Tunnel kiln operating on liquid fuel for burning fireclay articles. Ogneupory 26 no.11:494-497 '61. (MIRA 17:2)

1. Vsesoyuznyy institut ogneuporov (for Lyubimov, Oborin, Shiryayev).
2. Borovichskiy kombinat ogneuporov (for Dobrin, Shalkov, Yakovlev).

GORDEYEV, N.P.; RUTMAN, Z.M.; SHIRYAYEV, S.A.

Development of the use of heat by the refractories industry.
Ogneupory 27 no.11:516-520 '62. (MIRA 15:11)

1. Vsesoyuznyy institut ogneuporov.
(Kilns)
(Refractories industry—Equipment and supplies)

[illegible] of Grozny Province in the [illegible] five-year plan, Groznyi, Oblastnoe, [illegible]

[illegible], Library of Congress, December 1952. UNCLASSIFIED.

SHIRYAYEV, Sergey Dmitriyevich

[Guide to the Northern Caucasus] Putevoditel' po Severnomu Kavkazu. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1960. 380 p. map. (MIRA 14:7)

(Caucasus—Guidebooks) (Caucasus—Camping)

SHIRYAYEV, Sergey Dmitriyevich. Prinimal uchastiye MORGUNOV, B.P. LIKITIN, V.A., al'pinist, red.; SKLYARENKO, V.V., al'pinist, red.; CHILOVSKIY, V.G., red.; KHARCHENKO, L.I., red.; STEBLYANKO, T.V., tekhn.red.

[Across the Northern Caucasus] Po Severnomu Kavkazu. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1960. 380 p.
(MIRA 13:12)

(Caucasus, Northern--Guidebooks)

SHIRYAYEV, Sergey Dmitriyevich

[The seven-year plan in action; struggle of workers in the Chechen-Ingush A.S.S.R. to fulfill the seven-year plan for the development of the national economy ahead of schedule] Semiletka v deistvii; bor'ba trudiashchikhsia Checheno-Ingushskoi ASSR za dosrochnoe vypolnenie semiletnego plana razvitiia narodnogo khoziaistva. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1961. 109 p. (MIRA 15:10)
(Chechen-Ingush A.S.S.R.—Economic polecy)

YAN TSZYAN'-BEY [Yang Chien-pei]; STARODUBROVSKAYA, V.N.; KONOVALOV, Ye.A.; GUAN' DA-TUN [Kuan Ta-t'ung]; OLEYNIK, I.P.; SEMENOVA, L.S.; KHE LI [He Li]; CHZHAN SY-TSYAN' [Chang Sŭ-ch'ien]; VOINOV, A.M.; SHIRYAYEV, S.L.; KURAKIN, V.A.; STUPOV, A.D., red.; KANAVSKAYA, T.M., red.; GERASIMOVA, Ye.S., tekhn.red.

[Economy of the Chinese People's Republic, 1949-1959] Ekonomika Kitaiskoi Narodnoi Respubliki, 1949-1959. Moskva, Gosplanizdat, 1959. 304 p. (MIRA 13:5)

1. Zaveduyushchiy sektorom ekonomiki stran narodnoy demokratii Instituta ekonomiki AN SSSR (for Stupov).
(China--Economic conditions)

SHIRYAYEV, Stepan Lavrent'yevich; NIKOL'SKIY, M.M., otv. red.; SMAVZYUK, C.L., red.izd-va; BERESLAVSKAYA, L.Sh., tekhn. red.

[Transportation in the Chinese People's Republic] Transport Kitaiskoi Narodnoi Respubliki. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 107 p. (MIRA 16:5)
(China--Transportation)

CHURIN, Kh.D., kand. sel'khoz. nauk; SHIRYAYEV, Sh.V., kand. ekon. nauk; MERKULOV, O., red.kart

[Agriculture in Kazakhstan on the upsurge] Sel'skoe khoziaistvo Kazakhstana na pod"eme. Alma-Ata, 1963. 55 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Kazakhskoi SSR. Seriia: Za vysokuiu kul'turu zemledeliia, no.5) (MIRA 17:4)

1. SHIBYYEV, V.
2. USSR (6.0)
4. Lumbering-Accounting
7. Accounting of logging. Bukhg. uchet. no. 3 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

SHIRYAYEV, V. (Khar'kov)

The teaching of machine maintenance. Prof.-tekh.obr. 12 no.12: 10-11 D '55. (MLRA 9:3)

1. Zamestitel' direktora po uchebno-proizvodstvennoy chasti uchilishcha mekhanizatsii sel'skogo khozyayastva No.6.
(Technical education)

SHIRYAYEV, V.

Overhauled by the crew. Pozh.delo 5 no.7:23 Jy '59. (MIRA 12:9)

1. Nachal'nik komandy Chistopol'skogo sudoremontnogo zavoda (Tatarskaya ASSR).
(Fire engines--Maintenance and repair)

SHIRYAYEV, V., inzh.

Cupola furnace of a closed type. Okhr. truda i sots. strakh. 3 no.5:69-70 My '60. (MIRA 13:12)
(Cupola furnaces)

SHIRYAYEV, V.

Improved ladder fastenings. Pozh.delo 7 no.4:27 Ap '61.
(MIRA 14:4)

1. Nachal'nik pozharnoy komandy, g. Chistopol', Tatarskaya ASSR.
(Fire departments--Equipment and supplies)

SHIRYAYEV, V.F., gvardii inzhener-polkovnik

Repair practice for students. Vest.protivovozd.obor. no.3:68-69 Mr '61. (MIRA 14:7)

(Radar, Military)

LAPSHIN, F.S.; SHIRYAYEV, V.I.

Putting the Krasnodar Hydrolysis Plant into operation. Gidroliz. i lesokhim. prom. 10 no.8:20-21 '57. (MIRA 10:12)

1. Direktor Krasnodarskogo gidroliznogo zavoda (for Lapshin). 2. Glavnyy inzhener proyekta, Krasnodarskiy gidroliznyy zavod (for Shiryayev).
(Hydrolysis)

8(3) PHASE I BOOK EXPLOITATION SOV/1386

Moscow. Nauchno-issledovatel'skiy institut postoyannogo toka

Peredacha energii postoyannym i peremennym tokom (Power Transmission by Direct and Alternating Current) Moscow, Gosenergoizdat, 1958. 334 p. (Series: Its: Izvestiya, sb. 3) 3,350 copies printed.

Ed.: Piatsov, A.M.; Tech. Ed.: Voronetskaya, L.V.; Editorial Board: Shchedrin, N.N., Doctor of Technical Sciences, Corresponding Member, Uzbek SSR Academy of Sciences, Professor (Chief Ed.); Gertsik, A.K., Engineer; Yemel'yanov, V.I., Candidate of Technical Sciences; Pimenov, V.P., Candidate of Technical Sciences; Piatsov, A.K., Candidate of Technical Sciences; Posse, A.V., Candidate of Technical Sciences; Neam, L.A., Doctor of Physical and Mathematical Sciences, Professor; Sonin, N.R., Engineer; Mukhtuma, N.G., Candidate of Technical Sciences.

PURPOSE: This collection of articles, issued by the USSR Ministry of Electric Power Stations, is intended for scientists, engineers and designers of high-voltage overhead transmission lines.

Card 1/13

Shir[illegible], V.I. Grid Control System in the Kashira-Moscow D-C Transmission Line 181

The author explains a grid control system for switching-on mercury rectifiers in substations according to a definite sequence. He also forms practical conclusions and makes recommendations. There are 10 diagrams and 4 Soviet references.

S/137/62/000/005/071/150
A006/A101

AUTHORS: Kamenetskaya, D.S., Rakhmanova, E. P., Spektor, Ye. Z., Shiryayev, V. I.

TITLE: On the mechanism of the aluminum effect upon the nucleation of crystallization centers in liquid iron

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 5, 1962, 3, abstract 5I16 ("Sb. tr. In-t metalloved. i fiz. metallov Tsentr. n.-i. in-ta chernoy metallurgii", 1959, v. 6, 63-75)

TEXT: The authors investigated the effect of low Al admixtures upon Fe-crystallization. Electrolytic Fe (99.76%) and Fe of direct reduction (99.86%) were used as initial materials. It is shown that liquid original Fe, that does not contain active non-soluble impurities and surface active admixtures, is easily supercooled by 260 - 270°C below the melting point. It is supposed that under the described conditions the crystallization centers arise spontaneously. Addition of 0.03% Al eliminates supercooling almost completely. In repeated remelting, supercooling did not increase. On the basis of this fact and also because of the sharp refining of ingot grains, the authors conclude that Al

Card 1/2

acts as a surface-active admixture which reduces the development of crystallization nuclei. The assumption on the effect of Al as an deoxidizer is disproved by the fact that in the experiments with the addition of Al_2O_3 particles, crystallization set in at a greater supercooling than during the addition of Al metal. There are 20 references.

D. Ovsiyenko

[Abstracter's note: Complete translation]

S/137/62/000/002/060/144
A006/A101

AUTHORS: Kapustina, M. I., Kuzema, I. D., Savchenko, A. M., Shiryayev, V. I., Goltvenko, A. I., Grishina, Ye. N.

TITLE: A rapid method of calculating the efficiency of three-high sheet rolling mills

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 18, abstract 2D86 ("Sb.nauchn. tr. Zhdanovsk. metallurg. in-t", 1960, no. 6, 186 - 198)

TEXT: Calculation data were checked by the oscillographic timing of a mill operation for all the brigades when rolling the main conventional sheet types of the mill assortments. A method was developed for calculating the efficiency of three-high mills on the basis of an analysis of reduction conditions, and force and power indices of rolling. The theoretical calculation of the efficiency of sheet rolling mills is given. The problem is discussed how to check the mill amount of work.

N. Yudina

[Abstracter's note: Complete translation]

Card 1/1

NEFEDOV, O.M.; IVASHENKO, A.A.; MANAKOV, M.N.; SHIRYAYEV, V.I.; PETROV, A.D.

New method of preparing carbenes. Izv. AN SSSR Otd.khim.nauk no.2:367 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Carbenes)

NEFEDOV, O.M.; SHIRYAYEV, V.I.; PETROV, A.D.

Phenyl carbene from phenyllithium and methylene chloride.
Zhur.ob.khim. 32 no.2:662-663 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.
(Carbene) (Lithium) (Methane)

S/019/62/000/013/055/058
A154/A126

AUTHORS: Chugreyev, V.I., Yekaterinin, V.S., Shiryayev, V.I.

TITLE: An electroplating, e.g., nickel-plating production line

PERIODICAL: Byulleten' izobreteniy, no. 13, 1962, 61 - 62

TEXT: Class 48a, 15$_{03}$. No. 148702 (675434/28 of August 2, 1960). 1) This electroplating, e.g., nickel-plating line consists of a nickel-plating bath and a driven chain conveyer with grips for the objects being nickel-plated. It is distinguished by the fact that, to make the nickel-plating of semicylindrical stereotypes easier, healthier and less labor-consuming, the nickel-plating line has: a live-roll table for feeding the stereotypes; a chamber for cleaning and degreasing the stereotypes, equipped with power-driven rotary brushes, a live-roller table for conveying the stereotypes, and pipes with electromagnetic valves and nozzles for feeding in hot water, a chalk solution, and cold water; a live-roll table for transferring the degreased stereotypes to the grips of the chain conveyer; a chamber which has a pipe with electromagnetic valves and nozzles for washing the nickel-plated stereotypes with hot water and in which there

Card 1/2

USSR

ACCESSION NR: AP4002959 S/0286/63/000/018/0056/0056

AUTHOR: Nefedov, O. M.; Manakov, M. N.; Shiryayev, V. I.

TITLE: Preparative method for linear organoelemental polymers. Class 39, No. 157491

SOURCE: Byul. izobret. i tovarn. znakov, no. 18, 1963, 56

TOPIC TAGS: polymer, linear polymer, organoelemental polymer, group II element, group III element, group IV element, group V element, group VI element, organometallic polymer

ABSTRACT: An Author Certificate has been issued for a preparative method for linear organoelemental polymers containing atoms of group II—VI (with the exception of Si) in the backbone. A mixture of one or more organodihalo derivatives of group II [sic]—VI elements and one or more unsaturated compounds containing an activated double or triple bond are reacted with an alkali metal in an inert organic solvent.

Card 1/2

ACCESSION NR: AP4002959

ASSOCIATION: none

SUBMITTED: 31Aug62 DATE ACQ: 13Dec63 ENCL: 00

SUB CODE: MA, CH NO REF SOV: 000 OTHER: 000

Card 2/2

SHIRYAYEV, V.I.; TARAN, V.A., CHERNIN, E.A.; MYSOVSKIY, V.S., dots. kand. tekhn. nauk, retsenzent

[Principles of automation in foundry practice and the control and measurement equipment] Osnovy avtomatizatsii liteinogo proizvodstva i kontrol'no-izmeritel'nye pribory. Moskva, Mashinostroenie, 1964. 154 p. (MIRA 17:12)

1. Moskovskiy avtomekhanicheskiy institut (for Mysovskiy).

NEFEDOV, O.M.; SHIRYAYEV, V.I.; KHACHATUROV, A.S.

Arylcarbenes from lithium aryls and methylene chloride.
Zhur. ob. khim. 35 no.3:509-520 Mr '65.
(MIRA 18:4)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

NEFEDOV, O.M.; NOVITSKAYA, N.N.; SHIRYAYEV, V.I.

Comparative reactivity of norcarane and cyclopropane in ionic reactions. Dokl. AN SSSR 161 no.5:1089-1092 Ap '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
Submitted October 16, 1964.

SHIRYAYEV, V.I.

Deformation of section mill stands. Izv. vys. ucheb. zav.; chern. met. 8 no.9:112-116 '65. (MIRA 18:9)

1. Zhdanovskiy metallurgicheskiy institut.

NEFEDOV, O.M.; GARZO, G.; SZEKELY, T.; SHIRYAYEV, V.I.

Structure and thermal degradation of cyclic and linear polymers of dimethylsilylene and dimethylgermylene. Dokl. AN SSSR 164 no.4:822-825 O '65. (MIRA 18:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo i Issledovatel'skaya gruppa po neorganicheskoy khimii Akademii nauk Vengerskoy Narodnoy Respubliki, Budapesht. Submitted March 26, 1965.

SHIRYAYEV, V.I.; GORENSHTEYN, M.M.

Rigidity of rail and structural steel rolling mill stands during the rolling of lightweight shapes. Izv. vys. ucheb. zav.; chern. met. 7 no.1:107-112 '64. (MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut.

Shiryayev, V.K.

21(8) 5(0) SOV/55-59-3-29/32

AUTHOR: Lapitskiy, A.V.

TITLE: The First All-Union Conference of Universities and Colleges on Radiochemistry

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, Nr 3, pp 221-223 (USSR)

ABSTRACT: This conference was convened by the initiative of the laboratoriya radiokhimii khimicheskogo fakul'teta MGU (Laboratory of Radiochemistry of the Department of Chemistry of Moscow State University) and was held in Moscow from April 20 to April 25, 1959. It was attended by professors, teachers, and scientific collaborators of 32 universities and colleges of the Soviet Union. In his opening address, An.N.Nesmeyanov, Doctor of Chemical Sciences, stressed the importance of radiochemistry. 50 lectures were delivered by members of Moscow State University: Laboratoriya yadernoy fiziki (Laboratory of Nuclear Physics): D.P.Rudenko, A.S.Sevast'yanov: Production of Beryllium-7 by the Reaction (p,2n); V.Stary, D.P.Rudenko: Production of Radioactive Isotopes by Extraction as β-Diketonates. Laboratoriya radiokhimii (Laboratory of Radiochemistry): An.N. Nesmeyanov, B.M.Korolev, L.A.Sazonov: Separation of Radioactive Isotopes in the Irradiation of Colloids; An.N.Nesmeyanov, Yu.A.Barilev, Z.S.Mitstar, V.Kondratenko, Chzhan Tszachyan, K.Panek, B.Shukla: Secondary Reactions of the Recoil Atoms ^{80}Br and ^{82}Br in Methyl Bromides; B.G.Dzantiyev, I.M.Barkalov, V.V.Khrapov: Reactions of "Hot" Sulfur- and Nitrogen Atoms With Hydrocarbons; B.Z.Iofa, L.V.Bobrov, A.S.Batov: The State of Radioactive Isotopes in Extremely Dilute Solutions; M.B. Moruklina, I.V.Melikhov: General Theory of the Coprecipitation of Radioactive Elements With Non-isomorphous Crystalline Precipitates; A.V.Lapitskiy, Z.A.Savich, Chzhuan Yaruy: Coprecipitation of Protactinium With Complex Compounds of Ti, Nb, and Ta; V.M.Fedoseyev, V.V.Ivanenkov, V.N.Bochkarev: Application of Radioactive Paper Chromatography; K.B. Zaborenko, A.M.Babeshkin, M.S.Avilchenko: Accumulation and Separation of Recoil Atoms on the Basis of the Example Ra^{224} and Ra^{223}; K.B.Zaborenko, A.M.Babeshkin, V.A.Beyevskaya, L.L.Melikhov: Application of the Emanation Method for the

Card 1/4

Investigation of the Transformation of Solids; V.I.Spitsyn, K.B.Zaborenko, A.M.Babeshkin, M.A.Reitcheva: Transformation of Heteropoly-compounds; K.B.Zaborenko, A.M.Babeshkin, I.V. Kovalenko: Geochemistry of Radium; K.B.Zaborenko, V.I. Korobkov: Microanalytical Determination of Uranium by Means of Nuclear Emulsions. An.N.Nesmeyanov, De Dyk-Man: Partial Vapor Pressure of Co in Alloys With Ni; Yu.A.Priselkov, Yu.A. Sapozhnikov, A.V.Tseplyayeva, V.V.Karelin: The Behavior of a Molecular Metal Beam in the High-frequency Field; I.V.Golubtsov, A.V.Lapitskiy, V.K.Shiryayev: Vapor Pressure of Niobium Dioxide; I.V.Golubtsov, Yu.A.Litkachev, Ye.K.Bakov: Various Constructions of the Scintillation Attachment to the Apparatus of the Type B. Kafedra analiticheskoy khimii (Chair of Analytical Chemistry), I.P.Alimarin, N.P.Borzenkova: Niobium ^{95} as a Radioactive Tracer; I.P.Alimarin, T.A.Belyavskaya, Ku Bin-ven': Sorption of Zr by Ion Exchangers; A.I.Busev, V.M. Byr'ko: The Use of Complex Pyrazolinedithiocarbamates in Radiometry. Kafedra neorganicheskoy khimii (Chair of Inorganic

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Chemistry): Ye.A. Ippolitova, Yu.P.Simanov, L.M.Kovba, G.P. Polunina, I.A.Sereinikova: Uranates of Some Bivalent Metals; V.G.Kaveglna, O.G. Berkova: Uranium Compounds With Acids of Low-valence P; V.I.Spitsyn: The Influence of the Radioactive Radiation of Solids on Their Physico-chemical Properties; I.Ye.Mikhaylenko, V.I.Spitsyn: Isotope Exchange in the System $K_2SO_4 - SO_3$ at High Temperature. Kafedra khimicheskoy kinetiki (Chair of Chemical Kinetics): I.V.Berezin, V.L.Antonovskiy, N.F.Kazanskaya: Application of Tritium for the Purpose of Determining the Velocity Constants of the Separation of Organo-hydrogen Compounds. An.N.Nesmeyanov delivered a detailed lecture on the Methodology of Radiochemical Instruction at the chemical departments of universities.

Card 3/4

21(8) 5(0)

AUTHOR: Lapitskiy, A.V. SOV/55-59-3-29/32

TITLE: The First All-Union Conference of Universities and Colleges on Radiochemistry

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, Nr 3, pp 22[illegible] (USSR)

ABSTRACT: This conference was convened by the initiative of the laboratoriya radiokhimii khimicheskogo fakul'teta MGU (Laboratory of Radiochemistry of the Department of Chemistry of Moscow State University) and was held in Moscow from April 20 to April 25, 1959. It was attended by professors, teachers, and scientific collaborators of 32 universities and colleges of the Soviet Union. In his opening address, An.N. Nesmeyanov, Doctor of Chemical Sciences, stressed the importance of radiochemistry. 30 lectures were delivered by members of Moscow State University: Laboratoriya yadernoy fiziki (Laboratory of Nuclear Physics): I.P. Rudenko, A.I. Sevast'yanov: Production of Beryllium-7 by the Reaction (T,2n); I. Stary, I.P. Rudenko: Production of Radioactive Isotopes by Extraction as β-Diketonates. Laboratoriya radiokhimii (Laboratory of Radiochemistry): An.N.

Card 1/4

Nesmeyanov, B.M. Korolev, L.A. Sarnov: Separation of Radioactive Isotopes in the Irradiation of Colloids; An.N. Nesmeyanov, Yu.A. Borisov, E.S. Filatov, V. Kondratenko, Chihan Tsze-syan, K. Panek, B. Shukla: Secondary Reactions of the Recoil Atoms ^{80}Br and ^{82}Br in Methyl Bromides; B.G. Dzantiyev, I.M. Barkalov, V.V. Khrapov: Reactions of "Hot" Sulfur- and Nitrogen Atoms With Hydrocarbons; B.Z. Iofa, L.V. Bobrov, A.N. Petov: The State of Radioactive Isotopes in Extremely Dilute Solutions; M.B. Merkulova, V.V. Mel'nikov: General Theory of the Coprecipitation of Radioactive Elements With Non-isomorphous Crystalline Precipitates; A.V. Lapitskiy, I.A. Savich, Chzhuan Yeuy: Coprecipitation of Protactinium With Complex Compounds of Ti, Nb, and Ta; V.M. Fridmevich, V.V. Ivanenkov, V.N. Bochkarev: Application of Radioactive Paper Chromatography; K.B. Zaborenko, A.M. Babeshkin, M.G. Mel'nichenko: Accumulation and Separation of Recoil Atoms on the Basis of the Example Ra^{224} and Ra^{228}; K.B. Zaborenko, A.M. Babeshkin, V.A. Beyevskaya, L.L. Mel'nikov: Application of the Emanation Method for the

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Investigation of the Transformation of Solids; V.I. Spitsyn, K.B. Zaborenko, A.M. Babeshkin, M.A. Radicheva: Transformation of Heteropoly-compounds; K.B. Zaborenko, A.M. Babeshkin, I.V. Kovalenko: Geochemistry of Radium; K.B. Zaborenko, V.I. Korshunov: Microanalytical Determination of Uranium by Means of Nuclear Emulsions. An.N. Nesmeyanov, De Dye-Man: Partial Vapor Pressure of Co in Alloys With Ni; Yu.A. Priselkov, Yu.A. Sapozhnikov, A.V. Tsepiyereva, V.V. Karelin: The Behavior of a Molecular Metal Beam in the High-frequency Field; I.V. Golubtsov, A.V. Lapitskiy, V.K. Shiryayev: Vapor Pressure of Niobium Dioxide; I.V. Golubtsov, Yu.A. Likhachev, Ye.K. Bazov: Various Constructions of the Scintillation Attachment to the Apparatus of the Type B. Kafedra analiticheskoy khimii (Chair of Analytical Chemistry): I.P. Alimarin, N.P. Borzenkova: Niobium^{95} as a Radioactive Tracer; I.P. Alimarin, T.A. Belyavskaya, Hu Bin-wen': Sorption of Zr by Ion Exchangers; A.I. Busev, V.M. Byr'ko: The Use of Complex Pyrazolinedithiocarbamates in Radiometry. Kafedra neorganicheskoy khimii (Chair of Inorganic Chemistry): Ye.A. Ippolitova, Yu.P. Simanov, L.M. Kovba, G.P. Polunina, I.A. Sergeyeva: Uranates of Some Bivalent Metals; V.G. Knyazina, O.I. Menkova: Uranium Compounds With Acids of Low-valence P; V.I. Spitsyn: The Influence of the Radioactive

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Radiation of Solids on Their Physico-chemical Properties; I.Ye. Mikhaylenko, V.I. Spitsyn: Isotope Exchange in the System $K_2SO_4 - SO_3$ at High Temperature. Kafedra khimicheskoy kinetiki (Chair of Chemical Kinetics): I.V. Berezin, V.L. Antonovskiy, N.F. Kazanskaya: Application of Tritium for the Purpose of Determining the Velocity Constants of the Separation of Organo-hydrogen Compounds. An.N. Nesmeyanov delivered a detailed lecture on the Methodology of Radiochemical Instruction at the chemical departments of universities.

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S/153/60/003/004/001/006
B004/B058

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AUTHORS: Golubtsov, I. V., Lapitskiy, A. V., Shiryayev, V. K.

TITLE: The Problem of the Volatility of Niobium Oxides

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 4, pp. 571-574

TEXT: This paper was read at the 1st Intercollegiate Conference on Radiochemistry, Moscow, April 20-25, 1959. It was the aim of the authors to measure the pressure of saturated vapors of Nb_2O_5 and NbO_2 in the temperature range of 1489 - 1905°K by using Nb^{95}. A vacuum furnace of the type МВП-3М (MVP-3M) and a Knudsen effusion chamber (Fig. 1), the aperture and container of which were interchangeable and could consist of molybdenum, tungsten or ceramics, served as testing apparatus. The scheme of the absorption apparatus made of quartz and tungsten is shown in Fig.2. The temperature of the effusion chamber was measured with an optical ОПИИР-09 (OPIIR-09) pyrometer. In addition to the Knudsen method, the vapor pressure of N_2O_5 was also measured by the flow method. The apparatus

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The Problem of the Volatility of Niobium Oxides

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used consisted of the MVP-3M furnace, the reaction tube, the installation for air drying, and a gasometer of the Patrikeyev system, type УГСП-1 (UGSP-1). Niobium metal was dissolved, converted into the oxalate complex, precipitated with tannic acid after the addition of Nb^{95}, and annealed to Nb_2O_5. NbO_2 was obtained from Nb + Nb_2O_5 in the ТГВ-1 (TGV-1) furnace at 10^{-4} torr by heating up to 1250°C. The specific activity of the preparations was determined by means of a gamma tube of a Б-2 (B-2) apparatus. The data for NbO_2 are listed in Table 1, Fig. 3, those for Nb_2O_5 in Table 2, Fig. 3. X-ray examinations showed that NbO_2 was stable under the experimental conditions, and that the container material (molybdenum, tungsten, ceramics) had no influence on the results. For Nb_2O_5, the X-ray picture showed the appearance of NbO_2 above 1150°C. A thermal dissociation, therefore, takes place in vacuum at high temperatures: $Nb_2O_5 = 2NbO_2 + \frac{1}{2}O_2$. The authors thank Yu. P. Simanov for his advice, and L. P. Belykh, V. A. Galushkin, and V. G. Pakhomov for assembling the

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The Problem of the Volatility of Niobium Oxides

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apparatus. There are 3 figures, 2 tables, and 5 references: 1 Soviet, 1 French, and 3 German.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova, Laboratoriya radiokhimii (Moscow State University imeni M. V. Lomonosov, Laboratory of Radiochemistry)

Card 3/3

SHIRYAYEV, V.L.; AVERKH, V.V.; GRIGOR'YEVA, V.M.; BACHURINA, V.G.; SNEZHNOVA, L.P.; YE.MOLOVA, O.B.; OGLOBLINA, L.S., red.; YAKOBSON, L.M., red.

[Antibiotics; collection of methodological instructions of the supervision and standardization of antibiotic preparations] Antibiotiki; sbornik metodicheskikh ukazanii po kontroliu i standartizatsii antibioticheskikh preparatov. Pod red. L.S.Ogloblinoi i L.M.IAkobson. Moskva, 1959. 134 p. (MIRA 15:3)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov.

(ANTIBIOTICS)

L 1861-66 EWT(m)/EWP(w)/T/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AR5019475 UR/0273/65/000/007/0027/0027 15
621.436-242.004.62

SOURCE: Ref. zh. Dvigateli vnutrennego sgoraniya. Otdel'nyy vypusk, Abs. 7.39.225

AUTHOR: Shiryayev, V. M.

TITLE: A study of wear resistance of piston cams in tractor engines

CITED SOURCE: Dokl. Mosk. in-ta inzh. s.-kh. proiz-va, v. 1, no. 4, 1964, 107-114

TOPIC TAGS: wear resistant metal, wear resistance, vehicle engine, engine combustion system, engine piston, aluminum

TRANSLATION: The article presents results of studies carried out to clarify the pattern and causes of wear on surfaces of tractor piston cams, as well as some data obtained in comparative stand tests for wear resistance of pulsation reeled cams used in pistons of the D-37M engine and diamond-bored serial production units. The following conclusions were reached. The effective area in piston cams comprises one of the elements affecting service life of an aluminum piston, hence of the engine, by its wear resistance. Wear on cams after 2000 hr of engine operation, i.e., one season, reaches levels of 60% (or more)

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of the critical clearance, while the comparable figure for the piston pin under the cam is 20 — 30%. The rubbing surface of piston cams is subjected to pulsating tangential and direct stresses; these produce fatigue crumbling of the cam surface. The upper, i.e., most heavily loaded, side of the opening in a piston cam is subjected to maximum wear. Hardening of rubber surfaces of aluminum piston cams by pulsation reeling produced an average improvement of 60% in wear resistance (by comparison to serial production cams in 50 hr cycles of stand tests for wear). Bibl. with 7 titles; 4 illustrations.

SUB CODE: PR, MM ENCL: 00

Card 2/2

NIKOLAYEVA, M.M.; LOZOVSKAYA, V.P.; TOKIN, A.N.; SHIRYAYEV, V.F.; IZOSIMOV, L.I.; NESTEROV, A.D., elektromekhanik

From the editor's mail. Avtom., telem.i sviaz' 7 no.3:44 Mr '63. (MIRA 16:2)

1. Starshiye elektromekhaniki stantsii Leningrad-Passazhirskiy Moskovskoy distantsii signalizatsii i svyazi Oktyabr'skoy dorogi (for Nikolayeva, Lozovskaya, Tokin, Shiryayev). 2. Starshiy elektromekhanik Stryyskoy distantsii signalizatsii i svyazi L'vovskoy dorogi (for Izosimov). 3. Balashovskaya distantsiya signalizatsii i svyazi Privolzhskoy dorogi (for Nesterov).

(Railroads--Signaling--Centralized traffic control)

SHIRYAYEV, V. V.

AUTHOR: Slutsker, L. B., Lt Col, Shiryayev, V. V., Engr-Lt Col, and Katsenel'son, M. Ye., Engr-Capt 86-58-4-13/27

TITLE: Radar in Aerial Gunnery Training of Fighter Pilots (Radiolokatsionnyy Kontrol' pri obuchenii letchikov-istrebiteley vozdushnoy strel'be)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 4, pp 46-49 USSR)

ABSTRACT: This article describes the use of radar in aerial gunnery training of fighter pilots. According to the author, good results in aerial gunnery depend on how skillfully the fighter pilot manages to maneuver his airplane into a favorable initial position for an attack. The use of a gun camera makes it possible to check only the accuracy in aiming. The problem of how to check the correctness of a pilot's maneuver and to help him to carry out his maneuver properly during an aerial gunnery practice is solved in the author's unit in the following manner: A PSBN-m radar bombsight is installed in the towing airplane. The position of the fighter airplane in relation to the tow target is determined within sufficient accuracy on the PPI screen of the bombsight provided that the difference in altitude between the towing aircraft and the fighter is

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86-58-4-13/27

Radar in Aerial Gunnery (Cont.)

not more than 150- 200 m. This method of checking the maneuver of a fighter plane can be used also during the first training flights for interception of unlighted aerial targets on bright nights as well as at twilight. Three diagrams.

AVAILABLE: Library of Congress

1. Pilots - Training 2. Aerial gunnery - Training devices
3. Radar (Airborne) - Applications

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SHIRYAYEV, V.V., inzh.-podpolkovnik.

Simplify the interpretation of photographs taken in aerial gunnery exercises in long-range aviation units. Vest. Vozd. Fl. 41 no.12: 78-79 D '58. (MIRA 11:12)
(Photography, Military) (Air warfare)

SHIRYAYEV, Viktor Vladimirovich; ROGAL'SKAYA, L.I., red.; NESMYSLOVA, L.M., tekhn.red.

[Giving instructions in starting engines and driving tractors; lessons for groups of tractor and machinery operators] Obuchenie uchashchikhsia pusku dvigatelei i vozhdeniiu traktorov; individual'nye zaniatiia s gruppami traktoristov-mashinistov. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1961. 30 p. (MIRA 14:7)

(Tractors)

[illegible], [illegible].; [illegible], [illegible].; [illegible], [illegible].

[illegible] [illegible] [illegible]ling and heat treatment of heavy [illegible] [illegible] in [illegible]. Lit. proizv. no.1:1-3 Ja '65.

([illegible] 18:3)

SHIKYAYEV, Viktor Vladimirovich; MEL'MAN, R.Ya., red.; BARANOVA, N.N., tekhn. red.

[Training students in starting engines and driving tractors] Obuchenie uchashchikhsia pusku dvigatelei i vozhdeniiu traktorov; individual'nye zaniatiia s truppami traktoristov-mashinistov. Moskva, Proftekhizdat, 1963. 34 p. (MIRA 17:2)

18(5) SOV/128-59-5-9/35

AUTHOR: Vasilevskiy, P.F. and Novikov, P.L., Canditates of Technical Sciences, and Shiryayev, V.V., Engineer

TITLE: Technological Control of Cooling of large size Steel Castings in Sand Molds

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 5, pp 18-19 (USSR)

ABSTRACT: The manufacturing of a chromium aluminum thermo couple for exact control of temperature when cooling large size steel castings in sand molds is described. This thermo couple can be used up to 800-900°C. According to Fig. (3) it is adjusted in the sand mold. It consists Fig.(2) of thermo electrodes of 1,2, or 3 mm thickness which are isolated by porcelaine covers (4) and a quartz cover (3), wrapped by an interior (1) and exterior (2) jacket of steel. (See also Fig. 1). In the interior is a gauze tube. Furthermore, cooling is achieved by coiled wire. Fig. (4) shows the temperature curve when cooling a casting of 85 tons by a tungsten molybdenum thermo couple of same construc-

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Technological Control of Cooling of large size Steel Castings in Sand Molds

tion. There are 1 photograph and 3 diagrams

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BIDULYA, P.N., doktor tekhn.nauk, prof.; NOVIKOV, P.G., kand.tekhn.nauk; SHIRYAYEV, V.V., inzh.

Investigating the forced cooling of large steel castings in foundry molds. [Trudy] TSNIITMASH 97:50-73 '60. (MIRA 13:8)
(Steel castings—Cooling)

[redacted], and [redacted].

"Thermal Problems of Large Steel Castings in Molds"

report presented at the 5th Conference of the International Committee of the Casting Mould and the Casting, sponsored by the Inst. of Mechanical Engineering, Lond. Sci. Sect., 25-27 January 1961.

NOVIKOV, P. G.; SIREAEV, V. V.[Shiryayev, V. V.]

Forced cooling of the castings in the molds. Analele metalurgie 15 no.4:163-168 O-D '61.

(Cast iron) (Cooling)

VASILEVSKIY, P.F.; SHIRYAYEV, V.V.

Making large steel castings with control of the cooling process in the foundry mold. Lit. proizv. no.6:1-6 Je '62. (MIRA 15:6)
(Steel castings--Cooling)

KOVALEV, L.N.; SHIRYAYEV, V.Ye.

Practice of drilling ventilation holes with core-drilling rigs.
Razved. i okh. nedr 27 no.1:45-47 Ja '61. (MIRA 17:2)

1. Ministerstvo geologii i okhrany nedr SSSR.

SHIRYAYEV, V.Z.

Parachute device for cutting machines. Ugol' 36 no.9:32-33 S '61. (MIRA 14:9)

1. Permskiy nauchno-issledovatel'skiy ugol'nyy institut.
(Coal mining machinery--Safety appliances)

SHIRYAYEV, V.Z.

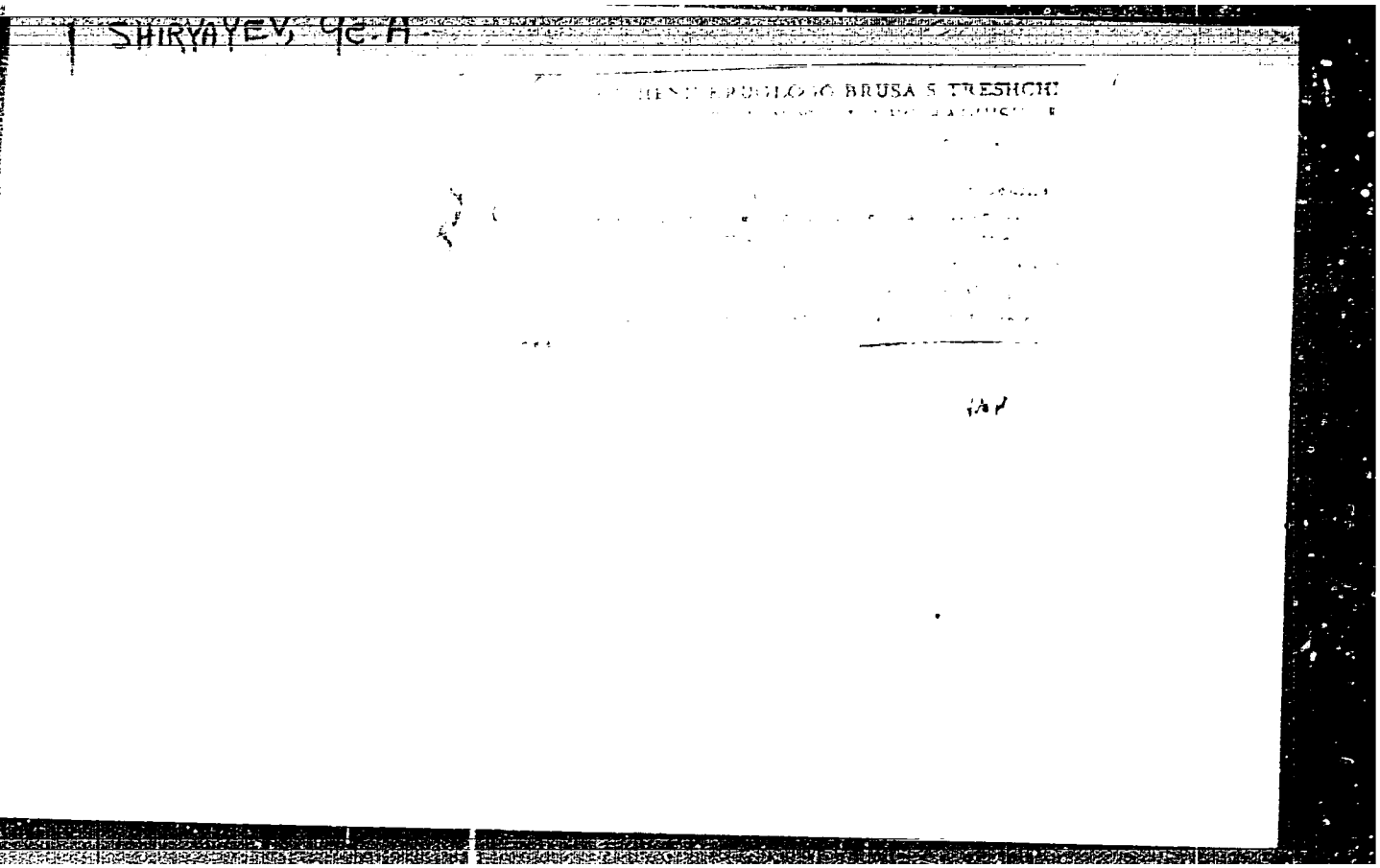
Control of the wear and corrosion of haulage facilities and other equipment used in the Kizel Basin. Nauch. trudy Perm NIUI no.3: 133-142 '63.

Using polymer materials for protecting mine drainage equipment against corrosion. Ibid.:142-146 (MIRA 17:3)

SHIRYAYEV, Ya.M., aspirant; MELENT'YEV, P.V., doktor tekhn. nauk, prof.

New device for determining the roughness of paper surface.
Izv. vys. ucheb. zav.; mashinostr. no.10:66-79 '63.
(MIRA 17:3)

1. Leningradskiy tekstil'nyy institut.



16(1)

AUTHOR: Shiryayev, Ye.A. (Leningrad) SOV/40-22-4-20/26

TITLE: The Torsion of a Circular Bar With two Cracks (Krucheniye kruglogo brusa s dvumya vrezami)

PERIODICAL: Prikladnaya matematika i mekhanika, 1958, Vol 22, Nr 4, pp 549 -553 (USSR)

ABSTRACT: A homogeneous isotropic circular beam is investigated which possesses two radially directed fissures. The depth of the cracks can be different. The problem is solved by means of conformal mappings according to the method given by Muskhelishvili [Ref 1] . At first the circular cross section of the bar interrupted by the two cracks is mapped onto a unit circle with the aid of the transformation :

$$(1.1) \quad z = \sqrt{\frac{d}{a}} \, \frac{1+2a\zeta + \zeta^2 - b\sqrt{1+2c\zeta^2+\zeta^4}}{1+2d\zeta+\zeta^2}$$

The parameters a, b, c, d themselves depend again in a very complicated way on the geometric data of the cross section and of the depth of the two cracks. In spite of the relative com-

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plicatedness of the problem it is possible to set up a complex torsion function which can be explicitely given for different special cases (e.g. equally deep cracks or certain relations of the depth of the two cracks to each other). From these torsion functions one cannot only calculate the stresses on the boundary of the cross section, but also the stresses on the boundaries of the two cracks. For the special case of two equally deep cracks an explicit formula is given which, in the limit case of two cracks passing through the center of the cross section, changes over into the well-known formulas for the torsion of a bar with semicircular cross section.
There are 1 figure, and 3 references, 2 of which are Soviet, and 1 English.

SUBMITTED: March 18, 1957

L 24487-65 EWG(j)/EWP(e)/EWT(m)/EPF(c)/EWA(d)/EPR/EWP(t)/EWP(k)/EWP(z)/
EWI(c) Pf-4/Pr-4/Ps-4 IJP(c) MJW/JD/WW/WB

ACCESSION NR: AP4045309 S/0182/64/000/009/0007/0009

AUTHOR: Kolpashnikov, A. I.; Paisov, A. I.; Sakharov, G. S.; Shiryayev, Ye. V.

TITLE: Pressing of parts from SAP-2 and SAP-3 aluminum powders in a closed die

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 9, 1964, 7-9

TOPIC TAGS: sintered aluminum powder, SAP2, SAP3, SAP2 closed die pressing, SAP3 closed die pressing, optimum pressing temperature

ABSTRACT: The effect of temperature, specific pressure, and lubricants on the formability and the structure of extruded SAP-2 and SAP-3 impeller blades has been investigated. Billets were compacted from APS-2 and APS-3 aluminum powders, containing 11 and 17% Al_2O_3, respectively. In the extruding blades from SAP billets, the pressure was varied from 20 to 60 kg/mm^2 and the temperature of the dies, from 500 to 650C; the die cavity was lubricated with graphite lubricant. It was found that in extruding blades from SAP-2 and SAP-3, the billets had to be degassed in a vacuum at temperatures higher than the tempera-

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L 24483-65

ACCESSION NR: AP4045809

ture of extrusion. The optimum extrusion temperature for both SAP-2 and SAP-3 is 620C. Extrusion at higher temperatures facilitates formation of the blade shape but impairs the material structure because of local melting of the aluminum matrix. The nature of the lubricant has a substantial effect on the homogeneity of the structure. Under experimental conditions, a lubricant consisting of graphite powder and "vapor T" oil was the best. Orig. art. has: 6 figures.

ASSOCIATION: none

SUBMITTED: 00	ATD PRESS: 3121	ENCL: 00
SUB CODE: MM	NO REF SOV: 002	OTHER: 000

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L 15643-66 EWT(l)/EWP(e)/EWT(m)/EWP(t)/EWP(k)/EWP(z)/EWP(b) IJP(c) JD/HW

ACC NR: AT5027914 SOURCE CODE: UR/2536/65/000/062/0005/0013

AUTHOR: Sakharov, G. S. (Candidate of technical sciences); Kolpashnikov, A. I. (Doctor of technical sciences, Professor); Paisov, A. I. (Candidate of technical sciences); Shiryayev, Ye. V. (Engineer)

ORG: Moscow Aviation Technology Institute (Moskovskiy aviatsionnyy tekhnologicheskiy institut)

TITLE: Forging and hot stamping of sintered aluminum powder

SOURCE: Moscow. Aviatsionnyy tekhnologicheskiy institut. Trudy, no. 62, 1965. Obrabotka davleniyem legkikh splavov (Pressure working of light alloys) 5-13

TOPIC TAGS: metal stamping, sintered aluminum powder, hot die forging, closed die forging, material deformation, metal stress

ABSTRACT: Currently some organizations can accomplish with a fair degree of success the hot stamping of non-intricately shaped SAP (sintered aluminum powder) blanks (containing 6-11% Al_2O_3). This stamping, however, involves a number of difficulties owing to the low plasticity margin of the material. In this connection, the authors present the findings of an experimental study of the deformability of SAP by hot stamping. The SAP specimens used for forging and hot stamping differed in their Al_2O_3 content and as-delivered state: sintered briquets, pressed bars, clad rolled stock, etc., in order to determine the stampability of SAP as a function of the state of the specimen.

UDC: 669.716:621.97.07

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ACC NR: AT5027914

The following experiments were performed: free drop forging, hot stamping in open dies, hot stamping in closed dies, high-temperature stamping. The free drop forging of specimens (pneumatic drop hammer with falling weight of 75 kg, hammer block heated to 130-150°C, SAP specimens, 20x20x60 mm, heated to 470-500°C) resulted in their early failure, apparently due to the unfavorable stressed state accompanying this forging technique. Hot stamping in open and closed dies also resulted in early cracking and failure owing to the low plasticity of SAP. However, the experimental hot stamping of Al-clad specimens in open dies produced much more encouraging results, since the cladding of SAP contributes to the healing of all sorts of surface microdefects which represent stress concentrators. Hot stamping in closed dies requires the prior vacuum degassing of SAP (particularly of SAP-2 and SAP-3, with their lower plasticity compared with SAP-1: the optimal hot-stamping temperature for SAP-2 and SAP-3 should be at least 600°C). High-temperature stamping (at 750°C) in a 200-ton vertical hydraulic press can be used to obtain intricately shaped forgings but it has the disadvantage of resulting in some nonuniformity of the distribution of oxide in individual sectors of the forging and hence the forgings thus produced can be used only for minor purposes. Orig. art. has: 10 figures, 1 table.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

Card 2/2

SHIRYAYEV, Ye.Ye.

Some comments on the color design of maps. Geod. i kart. no.11:51-55 N '64. (MIRA 18:2)

KIZ[illegible]KOV, [illegible]., inzh.; SHIRYAYEV, Yu., inzh.; SAFRONIN, V.

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549530009-5"

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[Scientific and technical cooperation of socialist countries] Nauchno-tekhnicheskoe sotrudnichestvo sotsialisticheskikh stran. Moskva, Sotsekgiz, 1962. 86 p. (MIRA 15:12)
(Communist countries—Technology—International cooperation)

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(Plastics)

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(Bark) (Wood-using industries)

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1. Zaveduyushchiy laboratoriyey spetsial'nogo oborudovaniya dlya proizvodstva novykh materialov TSentral'nogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki drevesiny (for Otlev). Laboratoriya spetsial'nogo oborudovaniya dlya proizvodstva novykh materialov TSentral'nogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki drevesiny (for Bystrov, Shiryayev, Svetlova).

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MOKHOV, Nikolay Ivanovich; SHIRYAYEV, Yu.S., red.; MATSUK, R.V., red.izd-va; MURASHOVA, V.A., tekhn.red.

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Material and power balance in melting carbon ferrochromium in a large furnace. Stal' 24 no.12:1094-1096 D '64. (MIRA 18:2)

MIKELADZE, G.Sh.; NADIRADZE, Ye.M.; PKHAKADZE, Sh.S.; GOGORISHVILI, B.P.; DGEBAUDZE, G.A.; SOLOSHENKO, P.S.; SEMENOV, V.Ye.; BARASHKIN, I.I.; SHIRYAYEV, Yu.S.; POSPELOV, Yu.P.; KATSEVICH, L.S.; ROZENBERG, V.L.; Prinimali uchastiye: LORDKIPANIDZE, I.S.; TSKHVEDIANI, R.N.; DZODZUASHVILI, A.G.; DUNIAVA, A.G.; PERARSKIY, L.F.; GRITSENYUK, Yu.V.; ZHELTOV, D.D.; LUZANOV, I.I.; GLADKOVSKIY, V.P.; PODMOGIL'NYY, V.P.; VOROPAYEV, I.P.; BRIKOVA, O.V.; VRUBLEVSKIY, Yu.P.; KLYUYEV, V.I.; BAYCHER, M.Yu.; LOGINOV, G.A.; SHILIN, V.K.; POPOV, A.I.; ZASLONKO, S.I.

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(Water--Purification)

BARKOV, I.P.; BAZUNOVA, L.P.; SHIRYAYEVA, A.

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(GOBI--GERBILS--DISEASES AND PESTS)
(PLAGUE)

USSR/Chemical Technology - Chemical Products and Their Application. Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62249

Author: Popov. P. G., Shiryayeva, A. A.

Institution: None

Title: Chemical Composition of Khar'kov Tripoli and Their Possible Use in Local Building

Original Periodical: Nauchn. tr. Khar'kovsk. in-ta, inzh. kommun. str-va, 1956, No 6, 93-97

Abstract: Investigation of Khar'kov tripoli-like deposits in the areas of Pavlovsk, Gosprom and Zhuravlevka. All 3 specimens of tripoli contain considerable amount of active silica. Rate of fixation of active silica in all samples exceeds within the first 10 days 50% of total active silica, fixed with 1.5 months. Investigated tripoli meet in active silica content as well as in rate of its fixation the specifications of hydraulic additives and can be put to practical use.

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