FATTER, N. F. Fat'kin, N. P. "Fractures of the fibula in horses," Trudy Alma-At. vet.-zootakhn. in-Ta, Vol. V, 1948, p. 229-29 So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, NO. 13, 1949) 112 い港

EATITIN, N. F.

Fat'kin, N. F. "Treatment and prevention of eczemators affections (malenders) in horses on the rear surface of the hobble," Trudy Alma-At. vet.-zootekhn. in-ta, Vol. V, 194°, p. 230-32

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh ~tatey, No. 13, 1949)

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FATKIN, P. F., Engineer "Achievements of the Work of the Scientific and Technical Session on the Modernization of Equipment " Stanki i Instrument, 12, No 1, 1941. Report U-1503, 4 Oct. 1951

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MILLER, Kimma Ermestovich; UNGERMAN, Aleksandr Ivanovich; PATKIN, Petr Bodorovich; ANDRIANOV, D.P., prof., retsenzent; STRMAUV, P.A., Gonomict, retenzent; MIT, G.Ya., dotsent, red.; SALTANSII, A., red.isd-ve; CHERNOVA, S.I., tekhn.red.; DOBRITSTNA, R.I., tekhn.red.
Genomic structure, organization, and planning of a mschinery plant] Bronomika, organization, ispr. Moskva, Gos.nauchnonogo predpriistika. Isd.2., dop. ispr. Moskva, Gos.nauchnotekhn.isd-ve mschinervicl.lit-ry, 1959. 374 p. (NIRA 12:12) (Machinery industry)

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	an and an and an
ACC NR: AP7002687	SOURCE CODE: UR/0424/66/000/006/0003/0010
AUTHOR: Tokarev,	V. V. (Moscow); Fatkin, Yu. M. (Moscow)
ORG: none	
TITLE: The game an system	oproach to the selection of the optimum parameters of a dynamic
SOURCE: Inzhenerny	y zhurnal. Mekhanika tverdogo tela, no. 6, 1966, 3-10
TOPIC TAGS: game f	theory, spacecraft payload, continuous function, guidance system
ed to find the para sense with respect tween the Designer tem) is defined by defined by a set of of these values is	blem is formulated in terms of the theory of antagonistic games. are the range boundaries of possible maneuvers. It was attempt- meters of a dynamic system such that it is optimum in a certain to the indicated range of the maneuvers. The game takes place be- and Nature. The state of the controlled object (or dynamic sys- a system of conventional differential equations. A maneuver is boundary values of phase coordinates and time (T). The entirety denoted vectorially. The "quality" criterion for the performance is finite value of a phase coordinate x_0 ,
	$z_{o}(T) = \text{extremum}$
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ACC NR: AP7002687

In the course of the game, the Designer selects his moves so as to minimize his loss; Nature plays so as to maximize the Designer's loss with every move of the Designer. The game problem is applied to an ideal engine with limited power for the delivery of the maximum payload into space. The payload (which is a functional), is plotted in terms of a trade-off function. Several variants are considered, including: a) the parameters of the maneuvers set by Nature are not known by the Designer, and b) the parameters of the maneuvers attempted by Nature are in an interval that is known to the Designer. The game value and the optimum strategies of the Designer and Nature are evaluated. The relations between the optimum values of the parameters are illustrated in the following table

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•	v ••	0.84 0.16	0.820.98	0.630.5 0.370.4	50.6 0. 50.4 0	8 0.9 0.9 7 0.8 0.9 3 0.2 0.0	0.620.6	50.6 0 50.4 0	.590. .410.	640.7 360.2	0.99 80.99 20.01	۰ ۲.	•		•
ere ¢*,	¢** are		• •	0.630.5 0.370.4	50.6 0. 50.4 0.	• •	• •	• •	•	•	1.1		Natu	re ;	•

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L 60934-65 ARG/EST(d)/FED/EST(1)/FBO/ESVP(P(S(k)/ETC(m) Pn-4/Pd-1/Ps-4/Pu-4 WW ACCESSION NR: AP5016268		A/EwP(c)/EwP(h)/* 65/005/003/0531/0536	
AUTHORS: <u>Tokarev, V. V</u> . (Moscow); <u>Fatkin</u> TITLE: Accumulator of working fluid in th finite power		55 B optimization with	
SOURCE: Inzhenernyy zhurnal, v. 5, no. 3, TOPIC TAGS: atmosphere, maneuvering load, ible air, optimum process, flow rate	-	trajectory, compress	
ABSTRACT: The following problem is presen fulfill a two-phase maneuver T, the time f determined by the difference between these It is required to obtain the maximum paylo The orbit for the accumulator is assumed t atmosphere. The weight of the <u>vehicle</u> bet maneuver and its termination is defined by	For fulfilling the base times and the accumped $G_{\overline{II}}$ for a given is to be circular and in tween the start of the st	usic maneuver is mulation time T _v . Initial weight G ₀ . 1 a constant density	
$\frac{1}{G} \begin{bmatrix} G_0 \\ G_0 + G_n \end{bmatrix}$	$=\frac{1}{G_{*}}\frac{a}{2g}\int_{T_{*}}^{a}a^{*}dt,$	در این ۱۹۹۵ - ۲۰ • • • • • • • • • • • • • • • • • • •	

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1 60934-65 0 ACCESSION NR: AP5016268 A more accurate expression is derived for G_{Π} by including the energy and weight of the scooped-up air mass. This gives the modified expression $G_{\mathfrak{s}}(V, \Phi, T_{\mathfrak{o}}) =$ $(1+\frac{T}{ak})\frac{1}{V}$ (+ **)**/ Various numerical examples are given and the results are shown graphically as T_{∇} and G_{∇} versus Φ_{O} . Orig. art. has: 22 equations and 4 figures. ASSOCIATION: none SUB CODE: SV, ME ENCL: 00 SUBMITTED: 22Dec64 OTHER: 004 NO REF SOV: 001 dm Card 3/3 - S-

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S. 4



Changes in the biological characteristics of transplantable malignant tumors under the effect of snake venom. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 8:132-135 '62.

Study of the complement activity of blood serum in rabbits with Brown-Pearce carcinoma. Ibid.: 136-139

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APPROVED FOR RELEASE: 08/22/2000

SOV/67-59-5-7/30 14(1)Martyushov, B. I., Engineer, Fatkina, A. M., Engineer AUTHORS : Mechanical Properties of Textolite and Getinax at Low Temper-TITLE: atures Kislorod, 1959, Nr 5, pp 26 - 28 (USSR) PERIODICAL: The above materials (tissue- and paperlike stratified materials) ABSTRACT: have a low heat conduction coefficient, and gain more and more in importance owing to their mechanical properties in the production of details of low-temperature apparatus. The mechanical properties of these substances at low temperatures are not yet known. The Laboratory of Metal Investigations of the VNIIKIMASh, therefore, made investigations of the substances at low and normal temperatures. Textolite of the PT(GOST 5-52) type, and getinax of the V(GOST 2718-54)type were tested according to the method GOST 4670-49. The samples were given a special form in examinations for elasticity which made them break in the middle (Fig 1). The investigation results are compiled in table 1. Examinations for compression were made on prismatic samples; data are given in table 2. Hence it appears that both substances have better mechanical Card 1/2properties at low temperatures. Textolite, for instance, proved

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Mechanical Properties of Textolite and Getinax at Low SOV/67-59-5-7/30Temperatures

> to be considerably more solid at a tension test at low temperatures whereas getinax was more stable in a compression test. Textolite did not solidify to such an extent as getinex. The following was found in investigations of the substances at their cleavage along stratification: textolite showed cracks at random while getinax exactly broke into halves, or into few flat plates (Table 3). Further, the resistance to shock was determined. Both materials proved to be equally stable against shock (Table 4). At low temperatures, the resistance to shock decreased more in the case of textolite than of getinax (Fig 3). The hardness of the stratified material was determined according to the method by NIIPLASTMASS. Both materials reached, at a temperature of -196°, the double degree of hardness (Table 5) in contrast to that attained at room temperature. There are 3 figures and 5 tables.

Card 2/2

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	"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R00041251000)9-9
-	L 59275-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b)/EWA(c) MJM/JD ACCESSION NR: AT5016070 UR/2776/65/000/039/0228/0232 AUTHOR: Gulyayev, A. P.; Fatkina, A. H.; Gudkov, S. I. TITLE: Effect of heat treatment on the cold brittleness of 06N3 steel 64/ SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.	
	Sbornik trudov, no. 39, 1965, Spetsial'nyye stali i splavy (Special steels and al- loys), 228-232 FOPIC TAGS: alloy steel, heat treatment, embrittlement, metallographic examination, martensitic transformation, impact testing, metal mechanical property, low tempera- ture research	
	ABSTRACT: The effect of low temperatures on the brittle behavior of 06N3 steel was studied, by varying the structure and using impact transition results as a criterion of brittleness. Four heats were made by two separate melting processes, using an electric furnace and a converter. Plates of 5 and 10 mm thickness were heat treated by quenching and tempering. <u>Mechanical properties</u> were determined for room tempera- ture and -183°C, as a function of tempering temperature. <u>Microstructures</u> of the steel are given for the normalized and tempered conditions. In the normalized state,	
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4	the structure consists of ferrite with some pearlite at the grain boundaries. Af- ter quenching the structure is typically martensitic, and tempering above 600°C re- sults in reformation of ferrite with carbide distributions around grain boundaries. A series of impact transition curves (down to -183°C) are shown for tempering in the 300-660°C range. Besides these, curves are plotted for the percentage of brittle	۰ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹
<u>, ,</u>	fracture in the impact samples. Cold brittleness in the steels tested depends on heat treatment, the highest transition temperature (worst condition) occurring for the normalized state. The lowest transition temperature occurs for samples quenched and tempered at 500-640°C. For these two states, the remaining mechanical proper- ties at room temperature are identical. Orig. art. has: 5 figures, 1 table.	
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	ASSOCIATION: none	
5	ASSOCIATION: none SUBMITTED: 00 ENCL: 00 SUB CODE: MM	
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1. (29/23G-67 m/T(m)/E2P(m)/EXP(t)/ETT IJT(σ) JU/EL ACC NR: AP6035951 (//) SOURCE CODE: UR/0129/66/000/010/0034/0039	1996 - 1995 - 1997 - 1997
AUTHOR: Gulyayev, A. P.; Fatkina, A. M.	
ORG: TSNIIChERMET	
TITLE: Effect of nickel on the mechanical properties and nil-ductility transition temperature of low-carbon steels	
SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 10, 1966, 34-39 and appropriate insert facing p. 33	
TOPIC TAGS: cryogenic steel, nickel steel, low carbon steel, steel property, and a metal steel property and the steel property and the steel ste	
ABSTRACT: Since chromium-nickel stainless steels suitable for cryogenic applications are very expensive, an attempt has been made to determine what nickel content would ensure a sufficiently low temperature of transition to brittle behavior (NDT tempera- ture). Several heats of a low-carbon steel $(0.02-0.05\%$ carbon) containing from 0.12 to 9.1% nickel were tested. It was found that at contents of up to 5-7%, every 1% nickel lowers the NDT temperature by 20C. Further increases in nickel content have little or no effect on NDT temperature. Nickel also improves the strength characteristics. For instance, with nickel content increased from 0 to 9%, the yield strength increased from 30 to 60 kg/mm ² at +20C, and from 75 to 100 kg/mm ² at -196C. The notch toughness was found to be satisfactory (8 kgm/cm ²) with a nickel	
Card 1/2 UDC: 620.17:669.15'24-194.536.43	-

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CC NR: AP6035951 ontent of at least 6%. Therefore, the use of steel with 9% nickel is justifi- on cases where the notch toughness of steel with 6% nickel is insufficient. Experimental heats of steels containing 6 and 9% nickel melted and processed of loggrad Krasnyy Oktyabr' Plant are being tested under operational condition on 0.02% max carbon, 6-7% nickel, 0.45-0.60% manganese, 0.17-0.3 on 0.02% max sulfur, and 0.02% max phosphorus) has the following guara silicon, 0.02% max sulfur, and 0.02% max phosphorus) has the following guara ininimum values of mechanical properties: yield strength 45-47 kg/mm ² , tensi strength 50-55 kg/mm ² , elongation 30-32%, reduction of area 70-75%, notch strength 50-55 kg/mm ² , elongation 30-32% silicon, 0.02% max sulfur, and 0.00 nickel, 0.45-0.60% manganese, 0.17-0.37% silicon, 0.02% max sulfur, and 0.00 max phosphorus) has the following guaranteed minimum values of mechanical pro- max phosphorus) has the following guaranteed minimum values of mechanical pro- yield strength 58-60 kg/mm ² , tensile strength 65-68 kg/mm ² , elongation 28- yield strength 58-60 kg/mm ² , notch toughness 25 kgm/cm ² , and NDT temperature -	5. 7% nteed le toughness .5% 2% perties:
max phosphorus) has the following give strength 65-68 kg/mm ² , elongation is yield strength 58-60 kg/mm ² , tensile strength 65-68 kg/mm ² , elongation is reduction of area 70-80%, notch toughness 25 kgm/cm ² , and NDT temperature - Orig. art. has: 5 figures and 3 tables. SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 006/ ATD PRES	30%, 80C.
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ACC NR: AP7002576 (A, N) SOURCE CODE: UR/0413/66/000/023/0073/0073	
INVENTOR: Fatkina, A. M.; Gulyayev, A. P.; Ul'yanin, Ye. A.; Tyurin, Ye. I.	
ORG: none	
TITLE: Nickel steel. Class 40, No. 189152 [announced by the All-Union Scientific- Research Institute of Oxygen Machine Building Industry (VsesJyuznyy nauchno- issledovatel'skiy institut kislorodnogo mashinostroyeniya)]	
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 73	
TOPIC TAGS: nickel steel, LOW TEMPERATURE METAL, MECHANICAL PROPERTY	
ABSTRACT :	
This Author Certificate introduces a nickel steel with improved mechanical properties at subzero temperatures.containing 0.06% max carbon, 0.45 to 0.60% manganese, 0.17-0.37% silicon, and 6.0-6.5% nickel.	
SUB CODE: 11/ SUBM DATE: 14Sep65/ ATD PRESS: 5113	
Card 1/1 UDC: 669.14.018.41:669.15'24-194	

FATKIYEV, M.

Achievements of road constructors in Sterlitamak. Avt. dor. 25 no.10:30 0 '62. (MIRA 15:10)

1. Nachal'nik Sterlitamakskogo dorozhno-stroitel'nogo upravleniya.

(Sterlitamak-Road construction)

APPROVED FOR RELEASE: 08/22/2000

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510009-9 ARABINING KARANGAN KANANGAN KANGANA KANGANANAN KANGANANAN ANGANAN ANGANAN ANGANAN ANGANANAN KANGANANAN KANGANAN BATT BOY, V.R., M. PREFH. V.N., HTATH, R.L.; SUBDECK, F. C. .; In Col. For. Bolyakistakuya, a tau hargo oll field. Neft, h pazirosti hu. 1974 m. m. 145 39-34 K5.

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Authors:	DISTANOV, E.	: Division (rusne hory	of the Hetanorphic Compl Hountains (Erzgebirge).	,"	
	PATROVA, J. ZUKOVA, V.				
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				GPO 981643	

SEMENOV, P.P.; SHEKHOVTSOVA, V.N.; LUK'YANOV, D.P.; ZHAROV, A.V.; SENDEROVICH, M.G.; FATKULBAYANOVA, M.B.

> Effectiveness of penicillin and streptomycin in the treatment of acute uncomplicated gonorrhea in males. Vest. derm. i ven. 38 no.3:68-70 Mr *64. (MIRA 18:4)

1. Otdel gonorei (zav. - P.P.Semenov) Ufimskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. P.N.Shishkin) i gorodskoy venerologicheskiy dispanser (glavnyy vrach S.M.Rutes).

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PATKULIN, K. Building plan for lupine-processing plants. Mukrelev. prom. 27 no.5:27-28 My '61. 1. Direktor Novozybkovskogo khlebopriyemnogo punkta Bryanskoy oblasti. (Lupine)

APPROVED FOR RELEASE: 08/22/2000

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FATKULIN, K. The present system for increasing fle qualification of workers should be revised. Muk.-elev. próm. 28 no.5:31 My '62. (MIRA 15:5) 1. Direktor Novozybkovskogo khlebopriyemnogo punkta Bryanskoy oblasti. (Agricultural workers--Education and training) (Grain elevators)

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UDOVENKO, V. V., FATKULINA, L. G.

Chemical Apparatus.

Apparatus for determination of pressure and composition of saturated vapor of layer-forming liquid systems. Zhur. fiz. khim. 26, no. 2, 1952.

新常常常常常常常常常常常的事情,我们就是我们都是我们的意思的,我们都会我们的不能是不能的,我们就不会,我们们不会,这个人,这个人,这个人,这个人,这个人,这个人,

9. Monthly List of Russian Accessions, Library of Congress, September 1953/2 Unclassified.

APPROVED FOR RELEASE: 08/22/2000

UDOVENKO, V. V., FATKULINA, L. G.

Phase Rule and Equilibrium.

Vapor pressure of ternary systems. Part 1. System ethyl alcohol - 1, 2 - dichloroethanebenzene. Zhur. fiz. khim. 26 no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 Unclassified.

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l.	UDDVENKD, V. J.: <u>PATHULINA, G. G</u> .	·
2.	USSR (600)	
4.	Systems (Cheristry)	
7.	Vapor pressure of ternary systems. Part 2. System ethyl alcohol-1,2-dichlor- oethane water. Zhur. fiz. khim. 26 nol 10, 1952.	
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9.	Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.	
7.	Monthly List of Massian Accessions, Dividing of Congress,1995, oner.	
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Γ	USSR/Chemistry - Ternary Systems Nov 52	
	"The Equilibrium of Liquid-Liquid in a Ternary Sys- tem," V. V. Udovenko and L. G. Fatkulina, Cent- Asian State U, Tashkent	
	"Zhur Fiz Khim" Vol 26, No 11, pp 1569-1572	
	The authors examined the eq of L. A. Rotinyan and showed that in the case of a paraboloidal curve of sepn in ternary systems, the nodes can be parallel to the side of the triangle when the liquid phases are in equil. On the basis of the above-mentioned eq, the authors concluded that the critical point of mutual soly in ternary systems can also be located at the vertex of the binodal curve of sepn. 242T3	

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RAKHIMOV, Kh.R. FATKULINA, L.G.

Viscosity of the pyridine - water - carbon tetrachloride system. Uzb.khim.shur. no.6:29-33 ¹58. (MIRA 12:2)

1. Sredneaziatskiy gosudarstvennyy universitet im. V.I.Lenina. (Pyridine) (Carbon tetrachloride) (Viscosity)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510009-9"

Catalytic property of bifunctional cations no.1:39-42 59.	tes. Uzb.khim.zhur. (MIRA 12:6)	
1. Sredneaziatskiy politekhnicheskiy inst (Ion exchange) (Catalysts)	ltut.	ر
	ŧ.:	

RUSTAMOV, Kh.R.; FATKULINA, L.G.; AGZAMOV, K.A.

Effect of solvents on the catalytic activity of the KU-1 cation exchanger. Uzb.kHim.zhur. no.2:32-33 '61. (MIRA 14:10)

 Sredneaziatskiy politekhnicheskiy institut. (Ion exchange resins) (Catalysis) (Solvents)

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RUSTAMOV, Kh.R.; FATKULINA, L.G.; AGZAMOV, K.A. Some problems involved in cation exchange catalysis. Uzb.khim. zhur. no.4:32-35 '61. (MIRA 14:18) 1. Sredneagiatakiy politekhnicheskiy institut. (Catalysis) (Ion exchange)

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FATKULINA, N.P.

Science based atheistic training in biology lessons. Biol. v shkole no.4:8-10 J1-Ag '63. (MIRA 16:9)

1. Srednyaya shkola No.2, stantsiya Chelyabinsk Yuzhno-Ural'skoy zheleznoy dorogi.

(Biology--Study and teaching) (Atheism--Study and teaching)

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FATKULIYEV, Sh.; BUYANOVSKIY, N.I., konsul'tant, laureat Stalinskoy
premii; KORNILOVA, M.I., redaktor; KUZ'MIN, D.G., redaktor.

[Drilling rapidly and economically] Burit' bystro i deshevo. [Moskva] Profizdat, 1953. 27 p. (MLRA 7:3)

1. Nachal'nik uchastka Buzovninskov kontory bureniya ob"yedineniya "Azneft'" (for Fatkuliyev). 2. Zamestitel' nachal'nika tekhnologicheskogo otdela Galvburnefti Ministerstva neftyanoy promyshlennosti(for Buyanovskiy). (Petroleum--Well boring)

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EFROS, D.A. [decemped]; FATKULLIN, A.Kh.; LANITINA, A.A.

Model for studying the oil flooding process in a thick layer. Nauch.-tekh. sbor. po dob. nefti no.15:26-31 '61. (MIRA 15:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut. (Oil field flooding)

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THE WARD

FATKULLIN, A.Kh.; LANITINA, A.A.

Experimental study of the displacement of the water-oil contact during floading. Neft. khoz. 39 no.11:41-46 N '61. (MIRA 14:12) (0il field flooding)

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FATKULLIN, A.Kh.

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Comparison of certain theoretical solutions of the problem of water-oil contact displacement with experimental data. Nauch.tekh. sbor. po.dob. nefti no.17:22-28 462. (MIRA 17:8)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

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中國國家主任

Translation	14-57-7-14962 from: Referativnyy zhurnal, Geografiya, 1957, Nr 7, p 124 (USSR)	
AUTHOR:	Fatkullin, A. Sh.	
TITLE:	Chernozems of the Bugul'ma Plateau (Chernozemy Bugul'minskogo Syrta)	
PERIODICAL:	pp 3-59	
ABSTRACT:	The author describes the physical and geographical characteristics of the region and its soils. The soil-forming rocks have a high calcium carbonate and magnesium carbonate content, a mechanical compo- sition of clay particles, and frequently changing lithology. Soil cover is characterized by a sub- stantial variability brought about by different degrees of leaching, by a variable carbonate content, by the presence of bedrock fragments in the soil	
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14-57-7-14962

Chernozems of the Bugul'ma Plateau (Cont.)

cross section, and by an uneven humus content. The arid climate, the complex orohydrographic system and the interaction between the highly carbonaceous soil-forming rocks and the grass cover combine to produce chernozems. The ordinary thin chernozem is the most common, but a thin leached chernozem is found in the valleys. Carbonaceous chernozems are found in a few areas. All these chernozems are found in a few areas. All these chernozems have a high humus content and freely change from one type to another. The author has divided the soils into subgroups on the basis of their crop producing characteristics. A bibliography of 43 titles is included. Card 2/2

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CIA-RDP86-00513R000412510009-9

FATKULLIN, A.Sh. Some data on the characteristics of soils influenced by the local reservoir on the Sheshma River, Tatar A. S. S. R. Nauch. dokl. vys. shkoly; biol. nauki no.1:189-192 '62. (MIRA 15:3) 1. Rekomendovana kafedroy pochvovedeniya Kazanskogo gosudarstvennogo universiteta im. V.I. Ul'yanova-Lenina. (SHESHMA VALLEY-SOILS)

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FATKULLIN, F.Kh.

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Development of the public health network in the oil fields of the Tatar A.S.S.R. Kaz. med. zhur. 41 no.3:3-6 My-Je '60. (MIRA 13:9)

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1. Zamestitel' ministra zdravookhraneniya Tatarskoy ASSR. (TATAR A.S.S.R.---PETROLEUM WORKERS---MEDICAL CARE)

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FATKULLIN, F.Kh.

Medical control of sports in the Tatar A.S.S.R. Zdrav. Ros. Feder. 5 no.7:16-20 Jl '61. (MIRA 14:7)

1. Zamestitel' ministra zdravookhraneniya Tatarskoy ASSR. (TARAR A.S.S.R.__SPORTS__HYGIENIC ASPECTS)

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USSR/Cultivated Plants - Fodders.

		Rof Zhur Biol., No 18, 1958, 82392
Abs Jour		
Autior	:	Fatkullin, Kn.
Inst Title	:	On the Causes of the Lowering of Alfalfa Seed Yield.
Orig Pub	:	S. kh. Bashkirii, 1957, No 8, 15-18 Bashkortostan auyl khuzhalyfy 1957, No 8, 14-18
Abstract	:	In the field trials of 1948-1950 in the arid part of Bashkiriya, the chief reason for the lowering of alfalfa seed yield is an insufficiency of soil moisture during the stage of budding to full blossoning. A complex of agricultural measures is recommended for obtaining a high and stable yield of the seeds: burning the stubble in spring, spraying with DDT preparation (at the rate of 20 milograms/ha) during the period of budding, top dres- sing with fertilizers (10 toms/ha of manure, 3 centuers/ ha of P_c and 1 centuers/ha of K _k), supplementary,
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FATKULLIN, M.N.

Immar daily variations of the magnetic field based on observations of the Kazan Observatory. Geomag. 1 aer. 2 no.4:746-748 Jl-Ag '62. (MIRA 15:10)

1. Kazanskiy gosudarstvennyy universitet, Kazanskaya magnitnaya observatoriya.

(Magnetism, Terrestrial-Diurnal variation)

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· ACCESSI	ON NR: AP4001830	\$/0203/63/003/006/1065/1072
AUTHOR:	Fatkullin, M. N.	
TITLE:	The nature of irregular fluctu	ations in diurnal magnetic variations
SOURCE	Geomagnetizm i aeronomiya, v. 3	, no. 6, 1963, 1065-1072
magneti E layer fluctua	magnetic variation, F layer magne	easurement, magnetic variation computation, etic variation, magnetic variation irregular
variati written field.	on has been discussed analytically for an E and H field of the curre The plasma is assumed quasineutre re given by	ffects of the E-layer structure on S_q - y. Maxwell's electromagnetic equations are ent density and H_0 of terrestrial magnetic al and anisotropic and the field fluctua-
	$\Delta H = -\frac{\alpha x}{\epsilon} \langle (\text{grad } \sigma_{\perp} \times E) \rangle$	$(f^{\pm}) + (grad \sigma_N \times (h \times E^{\pm})) + (1).$
	+σ_ (He grad v - He div v) +ση	$[H_o rot v - (grad (h \times v) \times H_o)]).$
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local var is cast in conductive shown that which depu- tions are tuation m 10-13 gau Ivanov fo	iations in upper a nto a general Point ity with an expon- t this nonhomogen- arts by a magnitude extended to the agnitude in the h ss. "The author r their advice an	changes in the terrestrial magnet: atmosphere conductivity. The difference of the conductivity. The difference of the contrast of the contrast of the lower atmosphere gives de of 5-7 gauss from the smooth duranisotropic conductivity, and it i orizontal component of the S_q -field thanks N. P. Ben'kova,Yu. V. Kushn d help." Orig. art. has: 21 equat	erential equation above ase of an isotropic eity of space. It is rise to an irregularity urnal curve. Calcula- s shown that the fluc- d variation reaches erevskiy and K. G. tions and 2 figures.	
ASSOCIATI AN SSSR (AN SSSR)	ON: Institut zem Institute of Terr	nogo magnetizma, ionosfery* i rasp estrial Magnetism, Ionosphere, and	rostraneniya radiovoin Radio Wave Propagation	
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CIA-RDP86-00513R000412510009-9

ACCESSION NR: AP4013145 S/0203/64/004/001/0115/0123 AUTHOR: Fatkullin, M. N. and all all and the state of the second TITLE: Electrical conductivity of the upper atmosphere. 1. Middle latitudes SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 1, 1964, 115-123 TOPIC TAGS: electrical conductivity, upper atmosphere, anisotropy, E, F2, E layer, F2 layer, anisotropic conductivity, Hall conductivity, transverse conductivity, longitudinal conductivity, effect conductivity ABSTRACT: The author has analyzed the height distribution of the various coefficients of anisotropic conductivity in the upper atmosphere. Determination of these coefficients for various models of the upper atmosphere has shown that the longitudinal component, the transverse component, the Hall component, and the effective conductivity (depending on the model) change between wide limits (tenfold and more), especially above about 130-140 km. All models show a similar increase in the longitudinal component with height, but the rate becomes much slower at higher altitudes. Above 350-400 km the increase becomes very slight. The transverse component decreases with height, but not uniformly, exhibiting two unsymmet-Card 1/2

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ACCESSION NR: AP4013145

rical maximums in the E and F2 zones and a minimum at about 250 km. The Hall conductivity reaches a maximum at about 100 km and then decreases to a height of about 200 km. The height of the Hall maximum in the E zone is independent of the model of the upper atmosphere used. Any evaluation of Hall conductivity above 180 km is unreliable. The effective conductivity also reaches a maximum at about 100-110 km and then decreases to a height of about 200 km. The unreliability of determination above 200 km is related to the indeterminacy of the Hall component. "The author thanks N. P. Ben'kova for guidance in the work and V. P. Vinnikova for programming the problem." Orig. art. has: 6 figures, 3 tables, and 1 formula.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery# i rasprostraneniya radiovoln AN SSSR (Institute of Terrestrial Magnetism, Ionosphere, and Propagation of Radio Waves AN SSSR)

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FATKUILIN, M.N.

Heating of the ionosphere by current systems. Geomag. i aer. 3 no.4:767-768 J1-Ag '63. (MIRA 16:11)

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1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

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ACCESSION NR: APLO31634	s/0203/64/004/002/0295/0300
AUTHOR: Fatkullin, M. N.	
TITLE: Electrical conductivity of the uppe	r atmosphere
SOURCE: Geomagnetiza i aeronomiye, v. 4, r	
TOPIC TAGS: electrical conductivity, upper atmospheric sounding	
ABSTRACT: This is a continuation of the an verkhney atmosfery* I. Sredniye shiroty*. 115). The author has examined the height of the ionosphere at a low latitude (Puert sounding in the ionosphere from J. W. Wrig variations of the quiet ionosphere. I - M.	distribution of anisotropic conductivity o Rico). He used data on vertical ht and L. A. Fine (Mean electron density arch 1959, Nat. Bur. standards Techn. , σ_{p} and σ_{eff} for nine different models
of the upper atmosphere (as described in h diurnal changes in conductivity anisotropy	ig provious work). At useuses one
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ff are asymmetrical relation	ions show that the diurnal changes : ive to local noon. "The author than Orig. art. has: 4 figures and 1 to	nks N. P. Ben'kova
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FATMULLIN, MeN.; FFL'DSHTEYN, Ya.I.
Quiet solar diurnal variation of the geomagnetic field during IGY.
Part 1: Relations between S_g-variations and the ionospheric parameters.
Geomag. i aer. 5 no.2;312-321 Mr-Ap '65. (MIRA 18;7)
1. Institut semnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

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L	ACCESSION NR: AP5014104 GW UR/0203/65/005/003/0435/0441 550.388.2		
	AUTHOR: Fatkullin, M. N. 37		
	TITLE: On the correlation between the E_8 and the electrodynamic conditions in the ionosphere in middle and low latitudes		••• •••
-	SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 3, 1965, 435-441		
	TOPIC TAGS: E _s appearance probability, <u>geomagnetic field</u> , ionospheric plasma, ionospheric current, magnetic equator		
	ABSTRACT: The dependence of the appearance probability of the E _S layer in the day time upon the geomagnetic field is connected with processes within the ionospheric plasma and the geomagnetic field there. Currents may be created in an undisturbed ionosphere only in the basic E-layer where a force is developed which tries to re- arrange the charges. An interrelation between the E _S -layer and the S _q currents is evidenced by the formation of the E _S -layer and the irregular fluctuation of S _q var ations. A graph represents the correlation between the probability of the appear- ance of E _S and the value of the S _q variations. In middle latitudes S _q variations are characterized by the geomagnetic H and D variations and E _S by the c, h, l, and f types; the c type predominates in the daytime. A table in the original article Card $1/2$		

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shows the correlation coefficients between the probability of Es app	earance and the		
Sq variations of the vector of the total geomagnetic field. The spo	oradic Es-layer		
is connected with Sq currents in the ionosphere, and the probability	of the appear-		
ance of Es depends upon Sq variations of the vector of the total mag	metic field.	1	
At the magnetic equator, the q type of Eg-layer predominates in the	daytime, which	1	
reflects and absorbs electromagnetic waves. Orig. art. has: 3 tabl			
and 12 formulas.	[EG]		
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ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostranen	niya radiovoln		
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INTERPORT AND A DESCRIPTION OF A DESCRIP UR/0203/65/005/004/0735/0739 36 SOURCE CODE: AUTHOR: <u>Fatkullin, M. N.; Fel'dshteyn, Ya. I.</u> ORG: <u>Institute of Terrestrial Magnetism, the Ionosphere and Radio Wave Propagation</u> (Institut remnore magnetisma, icrosfery i rasprostraneniva radiovoln AN SSSR) 29265-66 (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR) TTTLE: Outet solar-diumal variations of the geomegratic field in the TOV and ACC NR: AP6019298 Unselecte zemnogo magnecisma, ionosiery i rasprostraneniya rautovom an oconv TITLE: Quiet solar-diurnal variations of the geomagnetic field in the IGY period. III. Noncyclic variations on magnetically quiet days. Seasonal changes of field Values III one Highround House SOURCE: Geomagnetizm i aeronomiya, V. 5, no. 4, 1965, 735-739 ABSTRACT: A study has been made of noncyclic (Nc) variations of the elements TOPIC TAGS: diurnal variation, geomagnetic field ADTRAUII A study has been made of noncyclic (Nc/ Variations of the element of the <u>Reomagnetic field</u> on magnetically quiet days for three seasons of the IGY. Also discussed is the variability of near-midnight levels of the magnetic field components. Data very used for middles and levels is the LUI. ALSO discussed is the variability of near-midnight levels of the magnetic field components. Data were used for middle- and low-lati-tude magnetic observatories. The noncyclic variations were determined " for the three elements D. H. Z for winter summer and the equiper the D and Z components N are small and there are no avetametic changes the D and Z components No are small and there are no systematic changes of these elements giving any particular pattern on a planetary scale. These components therefore are not discussed. The planetary distribution of Nc in the H component in Winter is shown in a map (Fig. 1). The Nc VI NC IN the A component in winter is shown in a may vise. If. Ine MC field has maximum values near the equator, decreasing northward and south-Ward from the equator. The direction of the vectors is approximately perpendicular to the geomagnetic parallels. In the first approximation is it is shown that Nc on magnetically quiet days reveals an axial symmetry. The axial symmetry in the distribution of N_C is disrupted by small; values Card 1/2

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L 29122-66 - EWT(1)/FCC GW ACC NR: AP6018866 SOURCE CODE: UR/0203/65/005/0858/086 AUTHOR:Fatkullin, M. N.; Felldshtsyn, Ta. I.	
ORG: Institute of Terrestrial Magnetism, the Ionosphere and Radio Wave Propagation, AN SSSR (Institut zemmogo magnetisms, ionosfery i resumestrementer addition)	
TITLE: Quiet solar-diurnal variations in the IGY period. III. Principal character istics of the planetary distribution of S sub q variations in the middle and low	
SOURCE: Geomagnetism 1 seronomiys, v. 5, no. 5, 1965, 858-867 TOPIC TAGS: geomagnetic field, diurnal variation	
ABSTRACT: This is Part III of a paper by the same authors (see Geomagnetizm i Aeronal miya, 5, nos. 2 and 4, 1965). This part gives some results of investigation of quiet the basis of IGY data. In particular, the suthors have determined the coordinates of the foci of S ₀ current systems and the equatorial electrojet at different UT. They also discuss the selection of a coordinate system applicable for an analytical representations of the geomagnetic of S ₀ variations. It follows from an analysi geographic nor geomagnetic optimity: The authors have constructed the isolines of S ₀ variations that the field of S ₀ variations possesses neither variations and briefly discuss the principal types of such isolines. Also considered the authors express thanks to N. M. Rudnevaya and I. V. Merkushevaya for their help is SUM CORE: 08 / SUM DATE: 05Aug64 / ORIG REF: 007 // OTH REFA, 017	



L 21136-65 EPA(s)-2/ΞWT(m)/NWP(b)/T/EWA(d)/EWP(e)/EWP(t) ASD(m)-3/AS(mp)-	2
WH/JD S/0133/64/000/009/0000/009	
ACCESSION NR: AP4043000 AUTHOR: Oyks, G. N.; Matevosyan, P. A.; Ansheles, I. I.; Fatkullin, O. Kh.; Selivanov, V. M.; Shury*gin, G. D.; Sivkov, S. S.; Fedan, A. T.	
Selivanov, V. M., Shary S TITLE: Results of vacuum casting ball-bearing steel by different methods 16 SOURCE: Stal', no. 9, 1964, 805-808	
man maces wacuum casting, ball bearing steel, degassing alumina rate	
ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method involving vacuum casting by gas chiculation ABSTRACT: A new method by gas chicul	
developed by the authors in the authors in the production process was compared to the method em- $\underline{Ye. N. Ponomarev, Yu. I. Ponomareva, R. M. Zimina, V. I. Isomethod em- \underline{K. V. Belyakov}. The new production process was compared to the method em-ployed at Krasnyy Oktyabr' Plant comprising vacuum casting in the ladle whichployed at Krasnyy Oktyabr' Plant comprising vacuum casting in the ladle whichwas found to be ineffective in the treatment of 20 to 30 ton charges. Therefore,was found to be ineffective in the treatment of the steel in the jet as well asthe plant metallurgists tried out degassing of the steel in the jet as well asthe plant metallurgists. The specimens were adequately degassed with thecirculation vacuum casting. The specimens were adequately degassed with the$	
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Accession with the second state of 200 to 300 1/min. H from 43 to 54%. In the process of vacuum casting st mens displayed greater amounts of oxide and sulfide tion vacuum casting or vacuum casting during relad globular inclusion was identified in specimens produ- ladle. The appearance of this defect is attributed to lightweight melts with chamotte refractories. The a circulation vacuum casting despite globule formatio <u>balumina-rich brick for the lining of the vacuum chas</u> is blown and for the sleeve coil lining would substar However, it still remains to be tested on a mass pr weight melts. Orig. art. has: 3 figures and 2 tables	e inclusions than in circula- ling. The greatest number of uced by vacuum casting in the the increased contact of authors give preference to on and suggest that the use of mber through which argon intially improve this process. roduction scale and with heavy
ASSOCIATION: None SUBMITTED: 00 NR REF SOV: 003 ENCL: 00 OTHER: 002	SUB CODE: MM
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L 101:52-67 ENT(m)/ENP(t)/ETTIJP(c)JD/DJSOURCE CODE: UR/0135/66/000/004/0327/0328 ACC NK: AF6022507	ACC NR: AP6022301 AUTHORS: Oyks, G. N.; Matevoayan, F. A.; Ansheles, I. I.; Fatkullin, O. Eh.; 40 Selivanov, V. M.; Fetrov, E. S.; Sivkov, S. S.; Fedorov, V. I. ORG: none TITLE: Experimental smelting of ball-bearing steel by using a refusing method method seed SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShEh15 alloy steel ABSTRACT: A new technology for smelting ball-bearing steel employing a refusing method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiy vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiy avyplavki sharikopodshimikovoy stali, Metallurgizdat, 1962). The salient points of the new enhance charge consists of 100% ball-bearing steel scrap; 2) to technology are: 1) the furnace charge consists of 100% ball-bearing steel scrap; 2) to insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation is maintained by additions of red hot bauxite. After the above three oncentration is maintained by additions of red hot bauxite. After the above three stops, the steel is evacuated and poured in the usual way. A comparison of the new method with older omes is presented (see Fig. 1). It is concluded that the new method method with older omes is presented (see Fig. 1). It is concluded that the new method wields ball-bearing steel of higher quality. UDC: 669.187.2	ACC NR. AP6022507 AUTHORS: Oyks, G. N.; Matevosyan, P. A.; Ansheles, I. I.; Fatkullin, O. Kh.; 40 Selivanov, V. M.; Petrov, B. S.; Sivkov, S. S.; Fedorov, V. I. CRG: none TITLE: Experimental smelting of ball-bearing steel by using a refusing method employing a new technology SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShKh15 alloy steel ABSTRACT: A new technology for smelting ball-bearing steel employing a refusing method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki barikopodshipnikovoy stali, Metallurgizdat, 1962). The salient points of the new sharikopodshipnikovoy stali, Metallurgizdat, 000% ball-bearing steel scrap; 2) to technology are: 1) the furnace charge consists of 100% ball-bearing steel scrap; 2) to insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation is maintained by additions of red hot bauxite. After the above three concentration is maintained by additions of red hot bauxite. After the above three insures, the steel is evacuated and poured in the usual way. A comparison of the new method	THE REAL PRODUCTION OF THE PRODUCTION OF T	··· · ··	2 7622
Selivanov, v. Li, GRG: none TITLE: Experimental smelting of ball-bearing steel by using a refusing method employing a new technology SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShKh15 alloy steel ABSTRACT: A new technology for smelting ball-bearing steel employing a refusing method was developed. This method is based on the results of an earlier investigation method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i foc). The salient points of the new sharikopodshipmikovoy stali, Metallurgizdat, 1962). The salient points of the new insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation is maintained by additions of red hot bauxite. After the above three concentration is maintained by additions of red hot bauxite. After the above three atops, the steel is evacuated and poured in the usual way. A comparison of the new method	CRG: none TITLE: Experimental smelting of ball-bearing steel by using a refusing method employing a new technology SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShKh15 alloy steel ABSTRACT: A new technology for smelting ball-bearing steel employing a refusing method was developed. This method is based on the results of an earlier investigation method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen steps, the steel is evacuated and poured in the usual way. A comparison of the new steps, the steel is evacuated and poured in the usual way. A comparison of the new method with older ones is presented (see Fig. 1). It is concluded that the new method method with older ones is presented (see Fig. 1). It is concluded that the new method method with older ones is presented (see Fig. 1). UDC: 669.187.2	CRG: none TITLE: Experimental smelting of ball-bearing steel by using a refusing method employing a new technology SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShKh15 alloy steel ABSTRACT: A new technology for smelting ball-bearing steel employing a refusing method was developed. This method is based on the results of an earlier investigation method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya teknologiya teknologiya teknology are; 1) the furnace charge consists of 100% ball-bearing steel scrap; 2) to technology are; 1) the furnace charge consists of 100% ball-bearing steel scrap; 2) to technology are; 1) the furnace charge consists of red hot bauxite. After the above three concentration is maintained by additions of red hot bauxite. After the above three steps, the steel is evacuated and poured in the usual way. A comparison of the new steps, the steel is evacuated and poured in the usual way. A comparison of the new steps, the steel is evacuated and poured in the usual way. A comparison of the new steps all-bearing steel of higher quality. UDC: 669.167.2	ACC NR: APOUZZOUI	70328 41 40	
<pre>employing a new totalised. SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShKh15 alloy steel ABSTRACT: A new technology for smelting <u>ball-bearing steel</u> employing a refusing method was developed. This method is based on the results of an earlier investigation method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya tekhnologiya vyplavki sharikopodshipnikovoy stali, Metallurgizdat, 1962). The salient points of the new sharikopodshipnikovoy stali, Metallurgizdat, 1962). The salient points of the new insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation is maintained by additions of red hot bauxite. After the above three concentration is maintained by additions of red hot bauxite. A comparison of the new ateps, the steel is evacuated and poured in the usual way. A comparison of the new method is the presented (see Fig. 1). It is concluded that the new method.</pre>	<pre>smploying a new contrology SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShKh15 alloy steel ABSTRACT: A new technology for smelting ball-bearing steel employing a refusing method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, I</pre>	<pre>employing a new countrate SOURCE: Stal', no. 4, 1966, 327-328 TOPIC TAGS: alloy steel, ball bearing steel, metallurgic research / ShKh15 alloy steel ABSTRACT: A new technology for smelting ball-bearing steel employing a refusing method was developed. This method is based on the results of an earlier investigation by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki by G. N. Oyks, P. A. Matevosyan, I. I. Ansheles, i dr. (Novaya tekhnologiya vyplavki sharikopodshipnikovoy stali, Metallurgizdat, 1962). The salient points of the new sharikopodshipnikovoy stali, Metallurgizdat, 1962). The salient points of the new insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation, the slag is reduced with pulverized coke only; 3) the oxygen insure desulfonation is maintained by additions of red hot bauxite. After the above three concentration is maintained by additions of red hot bauxite. After the above three steps, the steel is evacuated and poured in the usual way. A comparison of the new steps, the steel is presented (see Fig. 1). It is concluded that the new method method with older ones is presented (see Fig. 1). It is concluded that the new method method with older ones is presented (see Fig. 2). UDC: 669.187.2</pre>	AUTHORS: Oyks, G. N.; Matevoayan, 11, S. S.; Fedorov, V. I. Selivanov, V. M.; Petrov, B. S.; Sivkov, S. S.; Fedorov, V. I.	•	-
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			yields ball-bearing steel of higher quilt of	69.187.2	

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FATKULLIN, Z.S.; KOZERITSKIY, G.I., inzh.

Constructing large-panel houses. Transp.stroi. 9 no.9: 26-28 S '59. (MIRA 13:2)

> 1. Nachal'nik tresta Ufimtransstroya (for Fatkullin). (Apartment houses) (Precast concrete construction)

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CIA-RDP86-00513R000412510009-9 "APPROVED FOR RELEASE: 08/22/2000 Evp(k)/Evr(m)/Evp(b)/T/EvA(d)/Evp(t)pf-4 IJP(c)/ASD(m)-3/ 18397-65 ASD(f)-2WH/JD/HW \$/0136/64/000/012/0080/0083 ACCESSION NR: AP5000946 Bernshteyn, M. L.; Yelagina, L. A.; Fatkullina, L. P. AUTHOR: Thermomechanical treatment of VT3-1, VT8, and VT14 titanium TITLE: 14 alloys Tsvetnyye metally, no. 12, 1964, 80-83 SOURCE: TOPIC TAGS: titanium, titanium alloy, alloy thermomechanical treatment, VT3-1 titanium alloy, VT14 titanium alloy, VT8 titanium alloy ABSTRACT: The effect of thermomechanical treatment (TMT) on the structure and properties of VT3-1 (5.25% A1, 1.8% Mo, 1.81% Cr), VT14 (4.10% Al, 2.76% Mo, 1.27% V), and VT8 (6.37% Al and 3.08% Mo) titanium alloys has been studied. Alloy specimens of various height were upset at temperatures of the $\alpha+\beta-$ or β -range to a height of 14 mm, water or air quenched, and aged at 480-590C, depending on the alloy. It was found that deformation of VT3-1 alloy at lower temperatures of the at6-range (780C) increases strength, and that deformation at upper temperatures of the $\alpha+\beta$ -range (850C) increases substantially both strength and ductility. Deformation at temperatures of the β -range does not affect Card 1/2

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510009-9 L 18397-65 ACCESSION NR: AP5000946 strength, but increases ductility in proportion to increasing reduction. The same was found to occur in the VT14 and VT8 alloys. The best combination of mechanical properties was achieved with deformation at upper temperatures of the $\alpha+\beta$ -range (850C for VT3 and VT14 alloys, and 920C for VT8 alloy) and reductions of 40-70%. TMT improves considerably the tensile strength, endurance strength, and rupture life of all the alloys tested. The beneficial effect of TMT extends, however, only up to 500-550C. The increase in strength of two-phase titanium alloys induced by TMT is explained by strain hardening (which is preserved by rapid cooling) and its beneficial effect on the B-phase decomposition. Orig. art. has: 3 tables and 3 figures. ASSOCIATION: none SUB CODE: MM. IE wol:20 00 SUBMITTED: 00 2 ATD PRESS THER 000 000 NO REF SOV: Card 2/2

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UTHOR: Bernshteyn, M. L.; Yelagina,	L. A.; Fatkullina, L. P.; Semenova, N. M.
TITLE: Effect of high-temperature the	rmomechanical treatment on titanium alloy
bottom half of insert facing p. 41	ya obrabotka metallov, no. 5, 1965, 35-38, and
nent, titanium alloy, titanium alloy alloy, VT14 alloy	nt, high temperature thermomechanical treat- thermomechanical treatment/VT3-1 alloy, VT8
	(HUTTHE) on the
structure and phase composition of the VILL, and VT8 titanium alloys deform reductions up to 70% were water quence 2 hr, and 480C for 12 hr, respectivel	ture thermomechanical treatment (HTTMT) on the tanium alloys has been studied. The <u>VT3-1</u> , eā at 850, 920, and 850C, respectively, with hed and then aged at 500C for 5 hr, 590C for y. It was found that HTTMT at temperatures of on of a considerable quantity of a-phase. Her is the structure. The increase of

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the reduction increases the de	ensity of defects in bot	h phases a and i	treatment at		
lieved that the increase in st	trangent resulting from to	position of the	β-solid so-		
	cost of deformation. Wi	th the increasi	ug reduction r	b	
phase rises, while in the α -part of the $\alpha+\beta$ -region lowers the the the 3-region has no effect on	this temperature. Orig	. art. has: 4	figures and 2		•
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S/152/63/000/001/002/002 B126/B186

AUTHORS :

Imayev, M. G., Sharipov, A. Kh., <u>Fatkullina, N. S., Maksimova</u>, G. N.

TITLE:

Vapor-phase oxidation to phthalic anhydride of phenol extracts from treatment of oil fractions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft'i gaz, no. 1 1963, 61 - 64

TEXT: Phenol extracts, waste products after treatment of al fractions, were oxidized by atmospheric 'oxygen to phthalic anhydride over an industrial vanadium-potassium sulfate catalyst. Three extracts were used, one of which contained about 20.3% by weight of monocyclic, 37.8% of bicyclic and 20% of polycyclic aromatics, and the two others each about 18.6%, 26% and.35% by polycyclic aromatics, and the two others each about 18.6%, 26% and.35% by reight of the above aromatics, respectively. The following optimum condiweight of the above aromatics, respectively. The following optimum conditions were established: oxidation temperature $380 - 390^{\circ}$ C, ratio of air to taw material 245 : 123 g/g, volume velocity 2000 - 2500 h⁻¹. The yield of raw material 245 : 125 g/g, volume the first extract was 28.9% by weight, from the second extract 22% and from the third 20%. To reduce coke deposition on the catalyst due to a tar content of about 3 to 5% in the phenol extracts, Card 1/2

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SHARIPOV, A.Kh.; GOLOVANENKO, B.I.; IOFFE, I.I.; BORSHCHENKO, V.P.;

Obtaining phthalic anhydride by oxidizing a petroleum naphthaline fraction. Nefteper. i neftekhim. no.8:22-23 '64.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov, Leningrad, i Nauchno-issledovatel'skiy institut neftekhimicheskikh proizvodstv, Ufa.

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	L 19372-66 EWT(x)/EWP(-j) ACCESSION NR: AP5015461 AUTHOR: <u>Sharipov, A. Kn.</u> ; <u>Golovanenko, B. Ia</u> ; <u>Ioffe, I.I.</u> ; <u>Fatkullina, N.S.</u> TITLE: Preparation of <u>phthalic anhydride</u> by <u>oxidation</u> of the pof crude oils COURCE: Nefteperorabotka i neftekhimiya, no. 8, 1964, 22-23 OPIO TAGS; orude petroleum, nephthalene, oxidation	Borshchenko, V.P.,B
i i g g	s large as that produced from coke, the autount of crude-oil r he vapor-phase catalutic oxidation of the crude-oil naphtha ielding phthalic anhydride. They show that, relative to to ontent, the phthalic-anhydride yield may reach 94% of the bwever, this is achieved at the cost of a catalyst-prodict 15-20%. Orig. art, has 2 tables.	lene frection
A.S.N.	SOCIATION: <u>VNIIneftekhim</u> , <u>Leningrad</u> ; <u>NIIneftekhik</u> , <u>Ufa</u> UEMITTED: 00 REF SOV: 002 <u>1/1</u> 60	SUB CODE: TD, GC JPRS
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<u>L 32901-66</u>	
ACC NR: AP6023832 (N) SOURCE CODE: UR/0399/66/000/003/0079/008	3
AUTHOR: Tselibeyev, B. A.; Yashish, I. L.; Brusilovskaya, M. I.; Fatkullina, Z. I.; Okunev, V. N.	-
ORG: Central Scientific Institute of Forensic Psychiatry im. Serbskiy /headed by Docent G. B. Morozov/ (Tsentral'nyy nauchno-issledovatel'skiy institut sudebnoy psikhiatrii); Clinical Order of Lenin Hospital im. S. P. Botkin /headed by Docent Yu. G. Antonov/, Moscow (Klinicheskaya ordena Lenina bol'nitsa)	
TITLE: Psychic disturbances in burns	
SOURCE: Sovetskava meditsina, no. 3, 1966, 79-83	
TOPIC TAGS: injury, psychoneurotic disorder, psychiatry	
ABSTRACT: The authors observed four cases of psychoses associated with burns. In three patients, soon after the burns, brief amontal-depressive states developed, and in one a severe psychic state was observed followed by a depressive-paranoid syndrome. It was found that in all three patients of the first group, 3 days after receiving the burns, when shock symptoms had passed, but intoxication, development of suppurative pus, and insomnia due to pain continued, states of psychomotor excitation developed with disorientation in space and time, and with large numbers of visual and auditory hallucinations and periodic confusion of mental processes. Psychic disturbances were noted	
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for severa emental an developed infection; usually se	nd sever not dur as is	e deliriu ing the a known, tu	m states shook per saumatic	s. It riod, b and po	is chara ut in th stopera	actoris ho init tive ps	tic th ial pe ychose	at the riod o	psych f shoo	noses sk		-
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FATOV, N. A.

Device for checking parameters of the steering screw. Avt. prom. 28 no.6:33-34 Je ¹62. (MIRA 16:4)

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1. Hoskovskiy avtosavod imeni Likhacheva.

(Automobiles-Steering gear)

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sov/110-59-9-17/22 Fatova, L.V. (Engineer) AUTHOR: The Economic Benefits of Technical Advances in the Construction of Cables and Conductors TITLE: PERIODICAL: Vestnik elektropromyshlennosti, 1959, Nr 9, pp 62-66 (USSR) ABSTRACT: It is important to study how the great development of the cable industry that is required by the Seven Year Plan can be achieved at the lowest possible cost. A very high proportion of the cost of cables is cost of materials and it is, therefore, desirable to consider how new cablemanufacturing materials will affect costs. The economic advantages of using aluminium for conductors and sheathing in place of copper and lead are discussed in general terms at some length. Existing experience of the manufacture of aluminium cables shows that the new equipment required has a very short pay-off time and that considerable economy in manufacturing and installation costs accrues from the use of aluminium. The replacement of rubber, cable paper, and oil-based varnish by plastics and synthetic resins can both improve the quality of the cables and cut their costs. In certain types of cables, lead sheathing has been replaced by polyvinyl chloride. Fully plastic insulation is used in Card cables for ships and for telephone cables. The use of 1/3

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SOV/110-59-9-17/22 The Economic Benefits of Technical Advances in the Construction of Cables and Conductors plastics greatly simplifies the manufacture of communications cables and the capital cost of the manufacturing plant required is lower. At present, polyvinyl chloride and polyethylene are expensive and so their use does not always lead to a reduction in cost. It is to be expected that the cost of these materials will fall considerably as the chemical industry is developed. Moreover, it is important to free textiles such as cotton for other purposes, and if the use of lead can be avoided the very heavy capital investment required to increase lead output would be avoided. Winding wires with paper and fibrous insulation are being replaced by the wires insulated with synthetic resins. The resins are more heat-resistant and form a less bulky insulation, giving a better space factor when winding machines. The demand for cables for very high voltages is increasing. The latest types of 110 and 220 kV cables are installed in oil-filled pipes. These cables have the advantage over normal oil-filled cables that they employ no lead and do not call for the complicated equipment required during the laying of Card 2/3

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Standard Contraction