The β^--Decay of La^{140}

S/048/60/024/03/06/019
B006/E014

that the 2,530-kev γ-transition is an M1 transition. The existence of such an excited level is indicated by the line corresponding to the nuclear transition of 3,140 kev. Finally, the authors thank N. D. Novosil'tseva and L. V. Gustova for their assistance. There are 2 figures, 1 table, and 8 references, 7 of which are Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy fizicheskiy institut Leningradskogo gos. universiteta im. A. A. Zhdanova (Scientific Research Institute of Physics of Leningrad State University imeni A. A. Zhdanov)

4

Card 3/3

DZHELEPOV, B.S.; YEMEL'YANOV, B.A.; KUPRIYANOVA, K.P.; PODKOPAYEV, Yu.N.

γ-Spectrum of La^{140} in the energy range of 2300 to 3900 Kev. Zhur. eksp. i teor. fiz. 38 no.1:282-284 Jan '60. (MIRA 14:9)

1. Leningradskiy gosudarstvennyy universitet.
(Lanthanum--Isotopes)

YEMEL'YANOV, B.F.

Instrument for measuring the depth of the carrier frequency modulation by means of television signals. Tekh.kino i telev. 4 no.8:41-47 Ag '60. (MIRA 13:8)

(Modulation(Electronics))
(Television--Equipment and supplies)

18.3200, 18.5200

77615
SOV/133-60-2-15/25

AUTHORS: Markaryants, A. A., Smirnov, Yu. D., Men'shikov, A. D., Yemel'yanov, B. F.

TITLE: Production of Rotor Shaft Forgings From Vacuum-Cast Ingots

PERIODICAL: Stal', 1960, 20 Nr 2, pp 148-152 (USSR)

ABSTRACT: In light of attempts to minimize the hydrogen content in metal of large forgings for critical parts, the authors investigated TV-9 rotor forgings made from vacuum-cast ingots, and by way of comparison, from regularly produced ingots. Acid open-hearth 34KhN3MFA steel was used. The following persons participated in the study: S. Ye. Rabkin, A. P. Morozov, A. N. Solomin, B. A. Lavrent'yev, et al. (1) Vacuuming: a special installation consisted of 2 vacuum chambers, 17 and 36 m^3, and 3VN-6G-type pumps. Minimum pressure of 1 to 3 mm mercury

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column was maintained at the initial stage (from 15 to 20 min) and residual pressure of 25 to 40 mm mercury column toward the final period of degassing. An intermediate ladle was placed on the chamber lid. A 45-50 mm diam rubber cord secured air-tightness between chamber lid and ladle bottom. To reduce splashing by the hot metal jet from the intermediary ladle, a 280-300 mm diam, 300 mm long tube was attached to the lid aperture. Splashing was further reduced by increasing the ingot diam. Much attention was given to the riser lining to prevent lining pieces from entrapment in the ingot. The authors recommend accelerated teeming which also reduces ingot defects. (2) Characteristic of rotor forgings: Originally the workpieces were forged by two upsetting operations and two intermediate annealings followed by quenching from 950 and from 860° C and final annealing and tempering to remove hydrogen. The method of casting ingots under vacuum not only removes hydrogen but decreases the number

of oxide-silicate inclusions. Sequence of tests: Duplexing in 25 ton basic and 25 ton acid open-hearth furnaces. Four 13.4-ton test ingots were cast. Composition of melts, numbers 9,063 and 9,066 in %:

C	Mn	Si	P	S	Cr	Ni	Mo	V	Cu
0.35	0.44	0.29	0.015	0.018	1.42	3.21	0.36	0.13	0.15
0.38	0.42	0.28	0.014	0.018	1.43	3.24	0.36	0.13	0.14

Casting and degassing rates:

Melt numbers	9063		9066	
Ingots	1 and 2		1 and 2	
Time, min - sec				
casting until riser	6-40	5-00	6-30	5-30
total casting	11-19	8-55	10-20	9-10
degassing	8-00	-	7-45	7-35

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Pressure in vacuum chamber during casting, mm mercury column:				
initial period	3	-	3	7
during metal rising to feeder	27	-	30	31
final period	33	-	43	43
Serial number of forgings	4616	4617	4844	4845

Forging 4,617 (see table above) produced without degassing showed the same properties as the other forgings produced by simplified process, i.e., by two upsetting operations followed by quenching from 860 and tempering with omission of two intermediary annealings (saving 160-180 hr) and quenching from 950° C (saving 50-55 hr). Final annealing of all 4 forgings was done in the regular manner (see Fig. 3):

Production of Rotor Shaft Forgings From Vacuum-Cast Ingots

77615
SOV/133-60-2-15/25

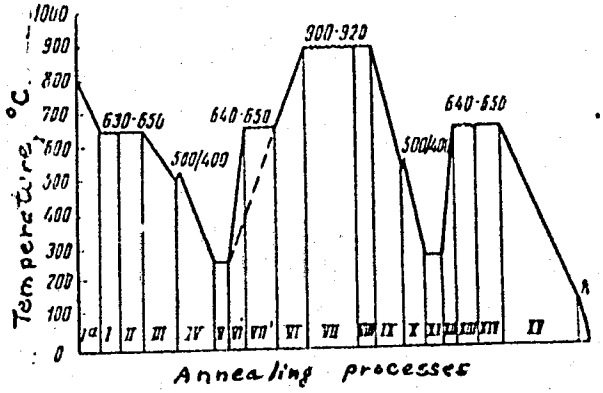

Fig. 3. Annealing diagram for rotor TV-9 forgings.

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After preliminary machining the forgings were heat-treated and tested for hardness. Macrostructural and ultrasonic tests showed no defects. All test forgings met the technical requirements. (3) Possible structural changes and deterioration of properties in steel along the cross sections of forgings were investigated. The authors found that plastic properties of specimens taken from the inside of the forgings made from ingots treated according to the new method were considerably higher; rotors made from ingots degassed under vacuum were endowed with excellent plastic properties and impact strength. Neither microstructure, hardenability, nor mechanical properties were impaired. Along with recommending the above new process the authors suggest the elimination of special tempering for the purpose of hydrogen removal (lasting 100 hr) since it enhances plastic properties only very slightly. Experiments are being conducted to remove hydrogen from basic open-hearth steel for large-scale use in critical parts. There are 8 figures; 1 table; and 1 Soviet reference.

S/187/60/000/008/004/004
D053/D113

6.6000 27152

AUTHOR: Yemel'yanov, B.F.

TITLE: A device for measuring the modulation depth of the carrier frequency by the television signal

PERIODICAL: Tekhnika kino i televideniya, 1960, no.8, 41-47

TEXT: The author describes the design of the ИГМ -28 (IGM-28) tester for measuring the modulation depth of the carrier frequency by the television (TV) signal. Specifications: The tester operates in any one of the 12 standard TV channels in the USSR, in the frequency range from 49.75 up to 223.25 Mc; input voltage is from 40 to 60 mv; 5-Mc passband for high and intermediate frequencies (one sideband); 5-Mc passband of the video channel at 0.8 level relative to the 1-Mc frequency level; oscillogram of the detected envelope of one full period, or of two line periods, can be observed on the tube screen; and the error of modulation depth measurement is not greater than ±5% (in per cent of the modulation factor). A block diagram of this tester (Fig.6) contains the following units: (1) ПТК 79/17

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A device for measuring 27152

(PTK79/17) TV channel selector switch; (2) two-stage i-f amplifier employing 6П15П (6P15P) tubes; (3) detector with a 6Х2П (6Kh2P) tube; (4) three-stage video amplifier with two 6Ж5П (6Zh5P) and two 6П15П (6P15P) tubes; (5) 13ЛОЗИ (13LOZI) oscillotron; (6) synchronizing unit; (7) scanning generator employing the Bonch-Bruyevich multivibrator circuit with a 6Н3П (6N3P) tube; (8) scanner amplifier; (9) initial pulse forming stage; (10) stage for shaping measuring pulse; and (11) blanking pulse forming stage. The tester is supplied from 220-V network, 50 cps. An experimental check of the measuring accuracy of this tester with the ИМ-19 (IM-19) modulation tester indicated a maximum measurement error of 4.5% of the modulation depth. Because of its high sensitivity, the IGM-28 tester can find application in TV centers and in plants producing TV receivers. There are 8 figures and 9 Soviet references.

Card 2/3

YEMEL'YANOV, B.L.

Technique of the implantation of the internal thoracic artery into the myocardium. Eksper. khir. i anest. 9 no.2:21-22 Mr-Ap '64. (MIRA 17:11)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii (zav. - prof. T.F. Lavrova) Voronezhskogo meditsinskogo instituta.

VOLZHSKIY, V.M., inzh.; YEMEL'YANOV, B.I., inzh.

Reinforced concrete rod-type timber for controlling the heaving of the base of workings. Shakht. stroi. 4 no.6:15-17 Je '60. (MIRA 13:11)

1. Leningradskiy gornyy institut.
(Mine timbering)

YEMEL'YANOV, B.I., inzh., TIMOFEYEV, O.V., inzh.; VOLZHSKIY, V.M., inzh., OGORODNIKOV, Yu.N., inzh.

Boring downcast shafts for rod-type timber. Shakht. stroi. 4 no.12: 12-15 D '60. (MIRA 13:12)

1. Leningradskiy gornyy institut.
(Mine timbering)

YEMEL'YANOV, B.I.

Timbering by blasting expansion shells and plugs of roof bolts in soft rocks. Zap.IGI 44 no.1:127-138 '61. (MIRA 14:10)
(Mine roof bolting) (Blasting)

YEMEL'YANOV, B.I., gornyy inzh.

Using rod bolting to control soil heaving in the roof of workings in Moscow Basin mines. Nauch. trudy MGI no.38:61-74 '61. (MIRA 15:10)

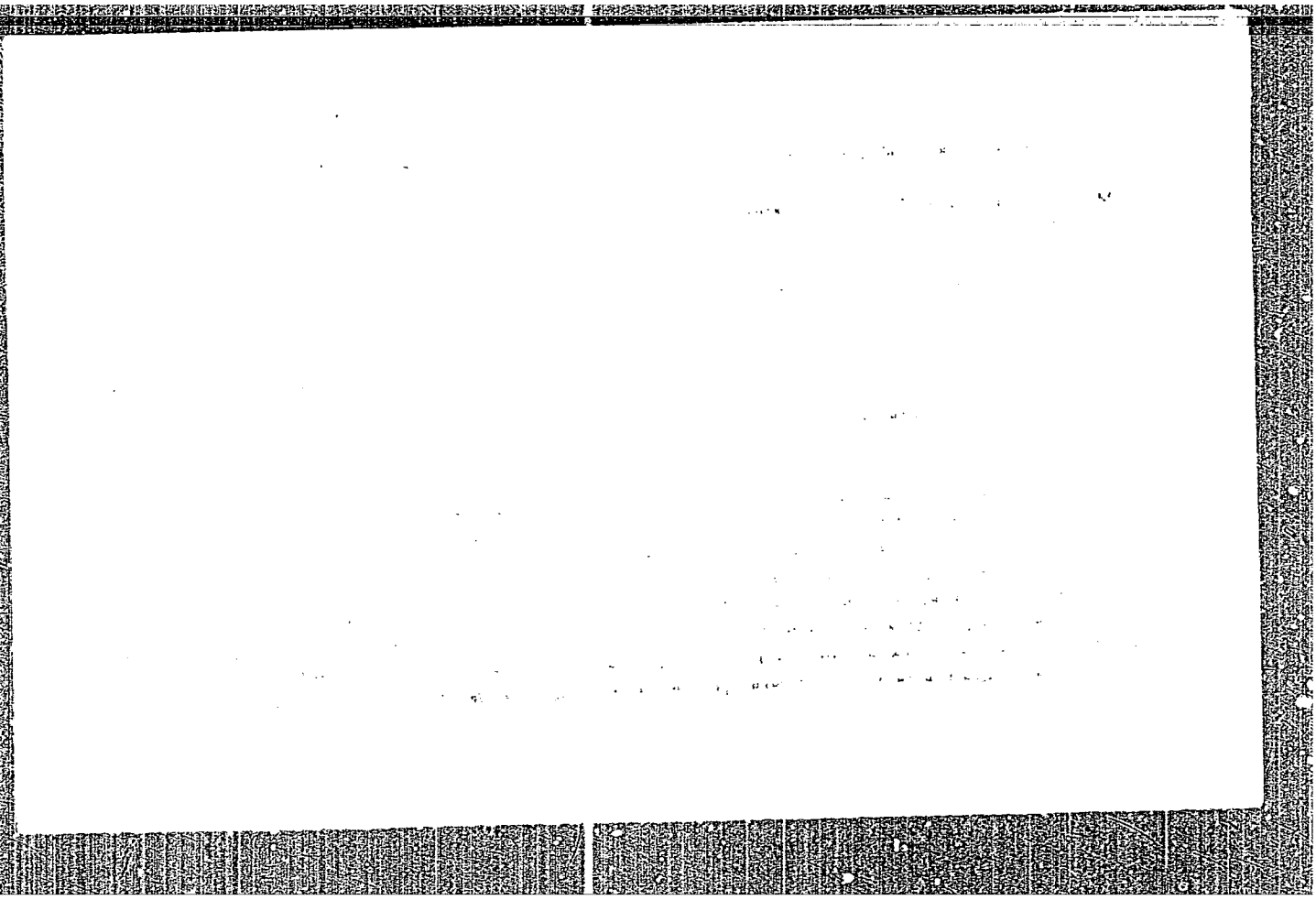
(Moscow Basin—Mine roof bolting)

YEMEL'YANOV, B. I.

Cand Tech Sci - (diss) "Study of problems of dealing with heaving of rocks at the foot of processing installations with the aid of rod supports in mines of the Podmoskovskiy Basin." Moscow, 1961. 20 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Mining Inst imeni I. V. Stalin); 200 copies; price not given; (KL,6-61 sup,217)

ALENT'YEV, O.O. [Alent'iev, O.O.], doktor tekhn. nauk [deceased];
YEMEL'YANOV, B.M. [IEmel'ianov, B.M.]

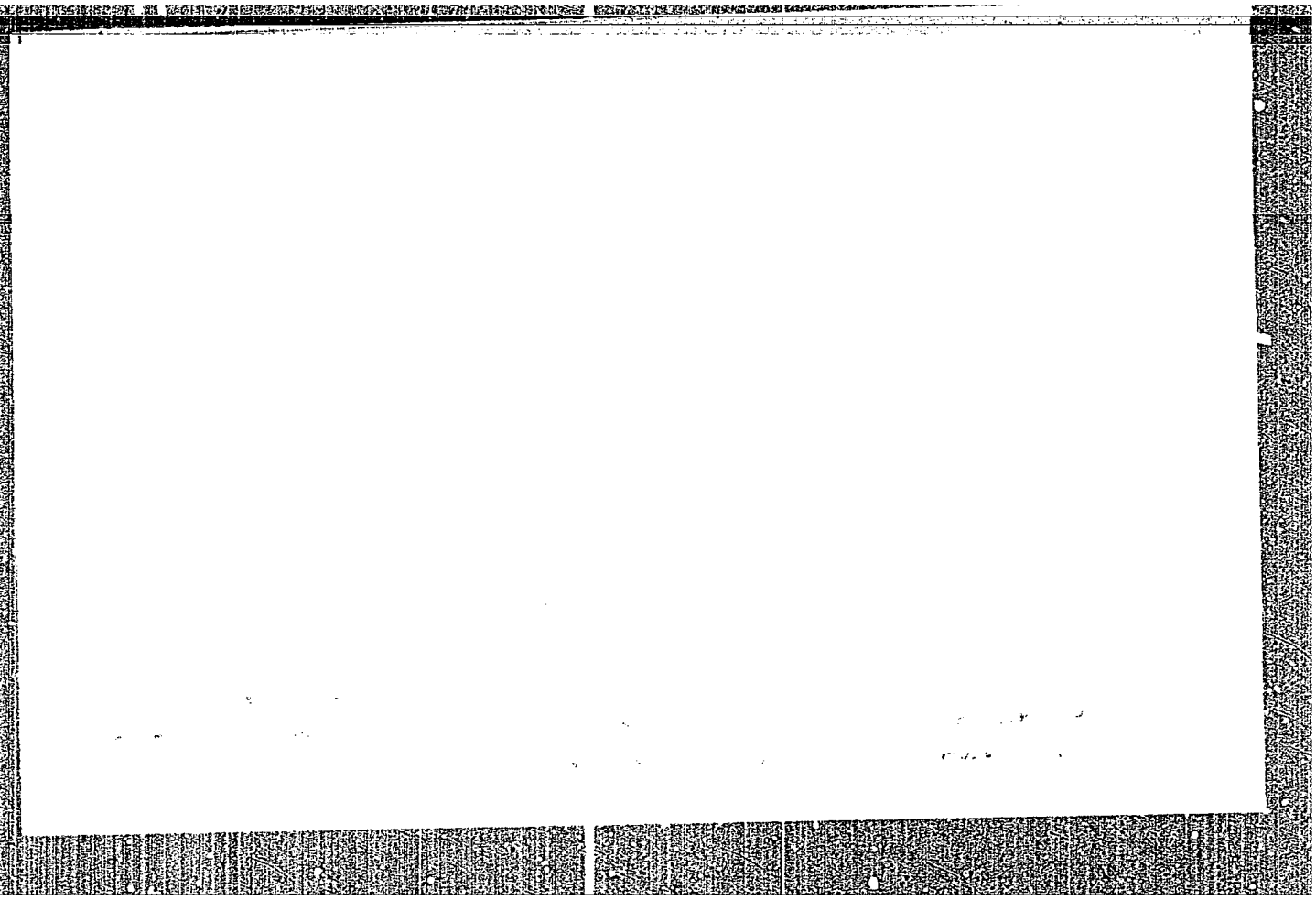
Pyroceramic coatings. Khim. prom. [Ukr.] no.3:22-23 Jl-S '64.
(MIRA 17:12)



in 2 N NaOH, 2 N Na_2CO_3, [illegible]

organic silicon coatings are stable in all solutions with the exception of [illegible] NaOH. Orig. art. has: 3 tables and 1 formula.

[illegible] (Kiev Polytechnic Institute)



APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962620015-9"

YEMEL'YANOV, B. V.

23186 O vibratsii turboagregatov teplovykh elektro-stantsiy. Elektr. Stantsii, 1949, No. 7. c. 29.

SO: LETOPIS' NO. 31, 1949

YEMEL'YANOV, B.V.; SMIRNOV, V.I.; TSYPKINA, L.M.

Analysis of the system NaCl - KCl - Na_2CO_3 - H_2O according to two properties. Zav. lab. 29 no.10:1174-1175 '63. (MIRA 16:12)

LIFSHITS, M.D.; YEMEL'YANOV, D.D.

Automatic control of liquid cast iron temperature measurements.
Lit.proizv. no.3:41-42 Mr '62. (MIRA 15:3)
(Liquid metals) (Thermocouples)

1. YEMEL'YANOV, D. G.

2. USSR (600)

4. Poultry Houses and Equipment

7. More extensive construction of adobe poultry houses in the North and South. Ptitsevodstvo no. 7, 1952.

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

YEMEL'YANOV, D.M.

PARKHOMENKO, Vasiliy Georgiyevich; ARKHANGEL'SKIY, N.A., prof., retsenzent; BULGAKOV, N.V., prof., retsenzent; ZAYTSEV, V.G. (Moskva), kand.tekhn. nauk, retsenzent; SHEKLAKOV, D.M. (Moskva), prepodavatel', retsenzent; PISHCHANSKAYA, B.A. (Odessa), prepodavatel', retsenzent; GUTAN, M.K., prepodavatel', retsenzent; GOL'DIN, A.E., prepodavatel', retsenzent; KHRYPOV, N.N. (Sverdlovsk), prepodavatel', retsenzent; DERYABINA, L.I., prepodavatel', retsenzent; YEMEL'YANOV, D.M. (Leningrad), prepodavatel', retsenzent; GONCHAROVA, L.D. (Simferopol'), prepodavatel', retsenzent; MATVEYEV, Ye.P., prepodavatel', retsenzent; ALEKSEYEV, I.M., prepodavatel', retsenzent; DUDINSKIY, S.L. (Leningrad), prepodavatel', retsenzent; BABUN, V.B. (Khar'kov), kand.tekhn.nauk, retsenzent; CHERNOV, N.V., prof., doktor tekhn.nauk, spetsred.; BORISOVA, G.A., red.; SUDAK, D.M., tekhn.red.

[Introduction to the study of commerial wares] Vvedenie v tovarovedenie promyshlennykh tovarov. Moskva, Gos.izd-vo torg.lit-ry, 1959. 135 p. (MIRA 12:7)

(Commercial products)

PARKHOMENKO, Vasiliy Georgiyevich; ARKHANGEL'SKIY, N.A., prof., retsenzent; [deceased]; BULGAKOV, N.V., prof., retsenzent; ZAYTSEV, V.G., retsenzent(Moskva); SHEKLAKOV, D.M., prepodavatel' tekhnikumov sovetskoy torgovli, retsenzent(Moskva); KOZLOVA, Z.V., retsenzent (Moskva); PISHCHENSKAYA, B.A., retsenzent (Odessa); GUTAN, M.K., retsenzent; GOL'DIN, A.E., retsenzent; KHRYPOV, N.N., retsenzent(Sverdlovsk); DERYABINA, L.I., retsenzent; YEMEL'YANOV, D.M., retsenzent (Leningrad); GONCHAROVA, L.D., retsenzent(Simferopol'); MATVEYEV, Ye.P., retsenzent; ALEKSEYEV, I.M., retsenzent; DUDINSKIY, S.L., retsenzent(Leningrad); BABUN, V.B., kand. tekhn. nauk, retsenzent(Khar'kov); CHERNOV, N.V., prof., doktor tekhn. nauk, spets. red.; BORISOVA, G.A., red.; GROMOV, A.S., tekhn. red.

[Introduction to a knowledge of manufactured goods]Vvedenie v tovarovedenie promyshlennykh tovarov. Izd.2., dop. i perer. Moskva, Gostorgizdat, 1962. 142 p. (MIRA 16:1)
(Commercial products)

RYABOV, A.V.; YEMEL'YANOV, D.N.

Apparatus for studying the physicomechanical properties of polymerizing masses. Zav. lab. 30 no.6:762-763 '64 (MIRA 17:8)

1. Gor'kovskiy gosudarstvennyy universitet imeni N.I. Lobachevskogo.

36363
S/081/62/000/005/106/112
B167/B101

15.9201

AUTHORS: Kopylov, Ye. P., Yemel'yanov, D. P., Lazaryants, E. G. Rumyantseva, A. N., Tsaylingol'd, V. L., Epshteyn, V. G.

TITLE: Peculiarities of vulcanizates based on methylvinylpyridine rubber hydrochlorides

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 644-645, abstract 5P298 (Uch. zap. Yaroslavsk. tekhnol. in-ta, v. 6, 1961, 157 - 162)

TEXT: A study of the co-polymers of butadiene and 2-methyl-5-vinylpyridine in the ratio 85:15 (СКМВП-15А)(SKMVP-15A) and also in combination with styrene in the ratio 85:5:25 (СКС-25-МВП-5А)(SKS-25-MVP-5A) was made. The crumbled vulcanized rubber was immersed in HCl solution (density 1.19) for 1, 2, 4, 12, and 24 hrs, washed with water, and dried 4-5 hrs at 55-60°C. A maximum of 4.3% and ~1% of HCl combines with SKMVP-15A and SKS-25-MVP-5A, respectively, corresponding to one HCl molecule per methylvinylpyridine radical. Mixtures of these polymers are more tacky and show less scorching than mixtures of the original rubbers. On increasing the content of combined HCl the plasticity of the mixtures decreases, but that of the black-

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filled materials based on the SKS-25-MVP-5A salt remains unchanged. The resistance towards rupture of the unfilled and the slightly filled vulcanizates increases with the amount of combined HCl, and reaches 234 kg/cm^2 with an unfilled SKMVP-15A vulcanizate. The tear resistance of unfilled vulcanizates increases with combined HCl content, but their relative extension is little affected. The hardness and heat evolution of the vulcanizates increases, their elasticity drops appreciably (SKMVP-15A) or slightly (SKS-25-MVP-5A); the heat evolution of the latter vulcanizates does not increase; higher combined HCl content also increases the attrition resistance of the black-filled vulcanizates, SKS-25-MVP-5A in particular. The added HCl has no apparent effect on the frost resistance, and increases the adhesive power to metals and the resistance to swelling in gasoline and benzene of SKMVP-15A rubbers. [Abstracter's note: Complete translation.]

Card 2/2

S/0138/64/000/005/0053/0055

ACCESSION NR: AP4038909

AUTHORS: Vasil'yev, G. Ye.; Yemel'yanov, D. P.; Epshteyn, V. G.; Polyak, M. A.; Zakharkin, O. A.; Yartsev, V. A.; Golkin, V. B.

TITLE: Improving the quality of rubber compounds by means of carbon black master batches

SOURCE: Kauchuk i rezina, no. 5, 1964, 53-55

TOPIC TAGS: carbon black, SKS30ARKM rubber base, SKS30ARKM carbon black, gas furnace carbon black, furnace PM 70 carbon black, vulcanization index

ABSTRACT: This investigation involved three types of master batches: 1) a low-modular protector batch on SKS-30ARKM rubber base, containing (per 100 g rubber) 40 g channel carbon black and 20 g gas furnace carbon black; 2) a carcass batch on SKS-30ARK-15 and natural rubber base (in a 90:10 ratio), containing 40 g gas furnace carbon black; 3) a protector batch on SKS-30ARKM-15 rubber base, containing 50 g PM-70 carbon black. The batches were prepared in a laboratory mixer. Their discharge temperature was within the 160-175C range. They were rolled and stored for 24 hours before being incorporated into a base mix. The tests for the physico-mechanical properties of the vulcanizates of rubber compounds prepared with these carbon black-rubber mixtures proved their superiority to the controls of the same

Card 1/2

ACCESSION NR: AP4038909

composition but prepared under standard procedures. The laboratory data were checked at the Yaroslavl' Tire Plant under factory conditions. Orig. art. has: 2 tables.

ASSOCIATION: Yaroslavskiy tekhnologicheskiy institut (Yaroslavl' Technological Institute); Bakinskiy shinnyy zavod (Baku Tire Plant); Yaroslavskiy shinnyy zavod (Yaroslavl' Tire Plant)

SUBMITTED: 00 DATE ACQ: 05Jun64 ENCL: 00

SUB CODE: MT NO REF SOV: 003 OTHER: 005

Card 2/2

BUGROV, V.P.; YEMEL'YANOV, D.P.; KOPYLOV, Ye.P.; LAZARYANTS, E.G.

Use of formulas with a low sulfur content in the vulcanization of methylvinyl pyridine rubber. Kauch. i rez. 24 no.2:8-10 F '65. (MIRA 18:4)

1. Nauchno-issledovatel'skiy institut monomerov dlya sinteticheskogo kauchuka.

RUMYANTSEVA, Z.M.; GOLITSINA, A.A.; FARBEROV, M.A.; EPSHTEYN, V.G.; LAZARYANTS, E.G.; YEMEL'YANOV, D.P.; KOSMODEM'YANSKIY, L.V.

Synthesis and use of butadiene-methacroleinic latexes. Kauch. i rez. 23 no.7:7-10 Jl '64. (MIRA 17:8)

1. Nauchno-issledovatel'skiy institut monomerov dlya sinteticheskogo kauchuka, Yaroslavskiy tekhnologicheskiy institut i Yaroslavskiy shinnyy zavod.

KUDRYAVTSEV, A.B.; IRODOV, A.N.; YEMEL'YANOV, D.P.; KUZ'MIN, Yu.S.; SVETLOVA, L.V.

Application of the ultrasonic "UZG-10" generator in the cleaning of the inner tube valve surface in aqueous media. Kauch. i rez. 24 no.7:49-51 Jl '65. (MIRA 18:8)

1. Yaroslavskiy shinnyy zavod.

YEMEL'YANOV, D. S.

PA 40/49T84

USSR/Mining
Training

Feb 49

"Triumph of Russian Mining Science (One Hundred Seventy-Fifth Anniversary of Leningrad Mining Institute)," D. S. Yemel'yanov, Dir, Leningrad Mining Inst, A. P. German, Mem, Acad Sci USSR, Prof P. M. Tatarinov, Prof K. S. Greyver, 4½ pp

"Nauka i Zhizn'" No 2

Present Leningrad Mining Inst, formerly Mining School, was founded in 1773. Discusses development and high standards of institute,

40/49T84

Mining (Contd) Feb '49

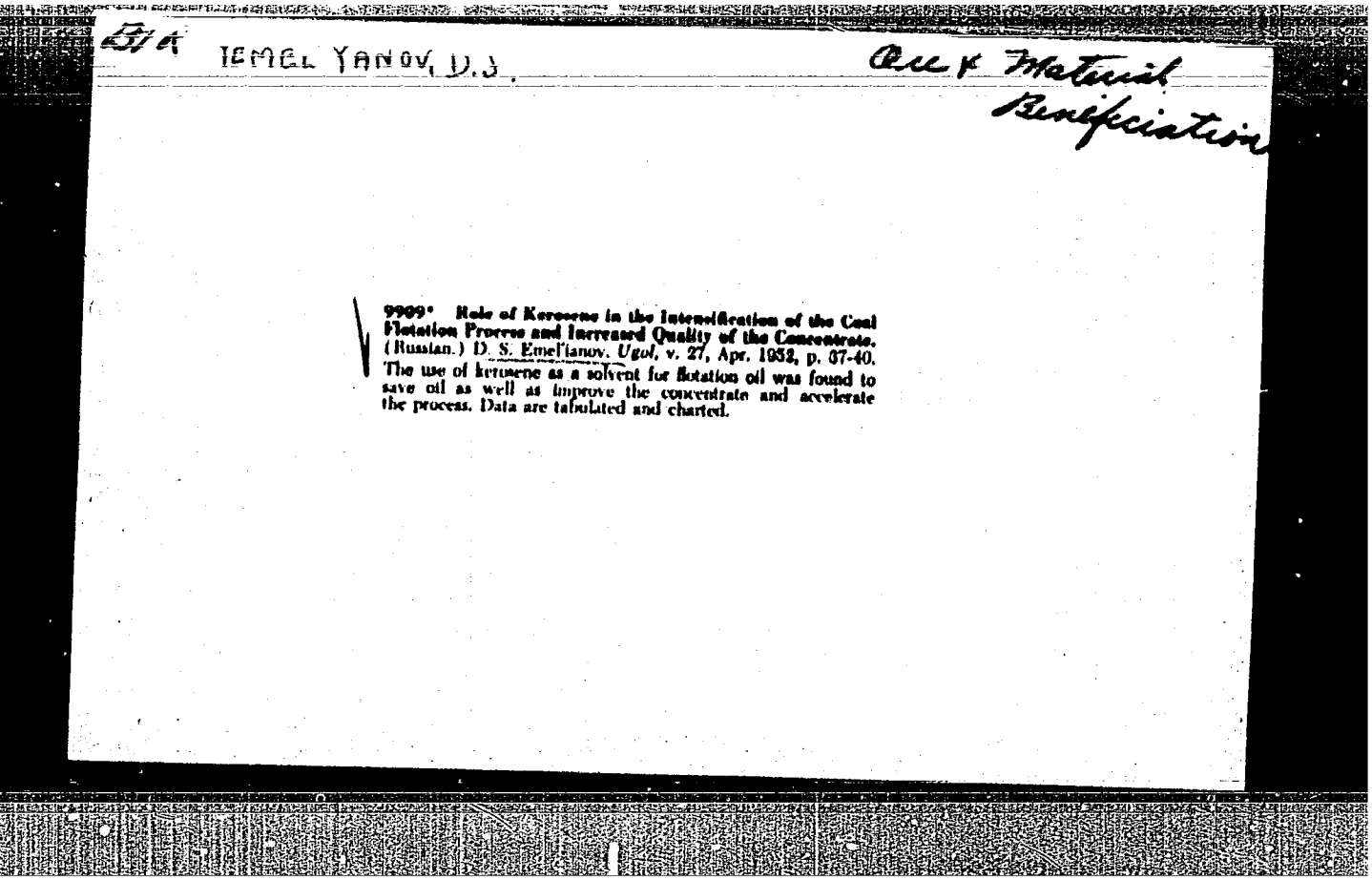
which has produced many outstanding scientists and geologists. Institute cooperates closely with Acad Sci USSR. Seventy-five professors and students were chosen for the staff of the Academy.

40/49T84

YEMEL'YANOV, D. S.

Yemel'yanov, D. S. - "On the nature of the flotation interaction of oleic acid and wolframite," Zapiski Leningr. gornogo in-ta, Vol XV-XVI, 1949, p. 81-89, - Bibliog: 8 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).



EMEL YANOV, D.S.

Ore & Material Beneficiation

9909* **Role of Kerosene in the Intensification of the Coal Flotation Process and Increased Quality of the Concentrate.** (Russian.) D. S. Emel'ianov. *Ugol*, v. 27, Apr. 1952, p. 37-40. The use of kerosene as a solvent for flotation oil was found to save oil as well as improve the concentrate and accelerate the process. Data are tabulated and charted.

YEMEL'YANOV, D.S.

Lowering the sulfur content of coal flotation concentrates. Ugol' 28, No.4, 36-9 '53. (MLRA 6:3)
(CA 47 no.14:7189 '53)

1. Mining Inst., Kharkov.

YEMEL'YANOV, D.S.; MARGOLIN, I.S., redaktor; ROMANOVA, L.A., redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Theory and practice of the flotation of coal] Teoriia i praktika flotatsii uglia. Moskva, Ugletekhizdat, 1954. 215 p. (MLRA 7:8)
(Coal preparation)

YEMEL'YANOV, Dmitriy Sidorovich; OFENGENDEN, M.Ye., otvetstvennyy redaktor; RYKOV, N.A., redaktor izdatel'stva; ANDREYEV, G.G., tekhnicheskiy redaktor

[Coal flotation] Flotatsiia uglia. Moskva, Ugletekhizdat, 1956. 112 p. (MLRA 9:9)
(Coal preparation)

YEMEL'YANOV, D.S.

Theory of the coal flotation process. Nauch. trudy KHGI no.6: 211-227 '58. (MIRA 14:4)
(Flotation) (Coal preparation)

YEMEL'YANOV, D.S.

Effect of coal and barren rock slimes on coal flotation. Nauch. trudy KHGI no.6:229-236 '58. (MIRA 14:4)
(Flotation) (Coal preparation)

YEMEL'YANOV, Dmitriy Sidorovich; TOPORKOV, V.Ya., kand.tekhn.nauk, retsenzent; KINAREYEVSKIY, A.L., retsenzent; VESSEL'MAN, S.G., prof., otv.red.; PASHCHINSKAYA, G.N., red.; CHERNYSHENKO, Ya.T., tekhn.red.

[Theoretical principles of the flotation of coal] Teoreticheskie osnovy flotatsii kamennykh uglei. Khar'kov, Izd-vo Khar'kovskogo ordena Trudovogo krasnogo znameni gos.univ. im. A.M.Gor'kogo, 1958. 289 p. (MIRA 12:4)

1. Zaveduyushchiy laboratoriyey obogashcheniya ugley Ukrainskogo nauchno-issledovatel'skogo ugle-khimicheskogo instituta (for Toporkov). 2. Zaveduyushchiy otdelom obogashcheniya ugley instituta Yuzhgiproshakht (for Kinareyevskiy).
(Coal preparation) (Flotation)

YEMEL'YANOV, D.S., dots; NAZARENKO, V.M., inzh.

Effect of pulp density and temperature on coal flotation rates. Ugol' Ukr. 3 no.11:9-10 N '59. (MIRA 13:3)
(Coal preparation) (Flotation)

YEMEL'YANOV, D.S., prof.; NAZARENKO, V.M., inzh.; KREMER, V.A., dotsent

Regulators of the coal flotation process. Izv. vys. ucheb. zav.; gor. zhur. no.12:149-154 '60. (MIRA 14:1)

1. Khar'kovskiy gornyy institut. Rekomendovana kafedroy obogashcheniya poleznykh Khar'kovskogo gornogo instituta.

(Coal preparation) (Flotation—Equipment and supplies)

YEMEL'YANOV, D.S., prof.

The GIPROKOKS-KhGI-57 flotation machine. Biul. tekh.-ekon. inform. no. 4:11-13 '61. (MIRA 14:5)
(Flotation--Equipment and supplies)

BEYLIN, M.I., kand.tekhn.nauk; YEMEL'YANOV, D.S., doktor tekhn.nauk

Studying the process of coal drying in a fluidized bed. Ugol' Ukr. 5 no.7:16-20 Jl '61. (MIRA 15:1)

1. Khar'kovskiy gornyy institut.
(Coal preparation plants) (Fluidization)

YEMEL'YANOV, D.S., prof., doktor tekhn. nauk [translator]; LEV, A.L. [translator]; PIKKAT-ORDYNSKIY, G.A., kand. tekhn. nauk, otv. red.; GADZHINSKAYA, M.A., red.izd-va; IL'INSKAYA, G.M., tekhn. red.; SHKLYAR, S.Ya., tekhn. red.

[Flotation of minerals] Flotatsiia poleznykh iskopaemykh. Moskva, Gosgortekhizdat, 1962. 213 p. Translated from the English. (MIRA 15:10)

(Flotation)

YEMEL'YANOV, D. S., prof.; NAZARENKO, V. M., kand. tekhn. nauk

Effect of the hydroaerodynamic parameters of flotation machines on coal preparation. Ugol' Ukr. 6 no.10:14-16 O '62.
(MIRA 15:10)

1. Khar'kovskiy gornyy institut (for Yemel'yanov). 2. UkrNIIUgleobogashcheniye (for Nazarenko).

(Flotation)
(Coal preparation plants—Equipment and supplies)

BEYLIN, M.I.; YEMEL'YANOV, D.S.; KHADZHIOGLO, A.V.; BOCHAROV, N.G.

Industrial testing of the type KhGI fluid-bed dryer. Koks i khim. no.8:14-19 '63. (MIRA 16:9)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki (for Beylin, Yemel'yanov, Khadzhioglo).
2. Yasinovskiy koksokhimicheskiy zavod (for Bocharov).
(Coal preparation) (Drying apparatus—Testing)

YEMEL'YANOV, D.S.; KHVAN, V.I.; PREOBRAZHENSKIY, B.P.

Automatic discharge of the heavy fractions form settling machines.
Koks i khim. no.10:3-6 '63. (MIRA 16:11)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki.

YEMEL'YANOV, D.S., prof.; UTEUSH, E.V., inzh.; UTEUSH, Z.V., inzh.

Some problems in the automatic control of the density parameters of pulp. Izv. vys. ucheb. zav.; gor. zhur. 6 no.6:171-176 '63. (MIRA 16:8)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki (for Yemel'yanov, Uteush, E.V.).
2. Khar'kovskiy zavod kontrol'no-izmeritel'nykh priborov (for Uteush, Z.V.). Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh Khar'kovskogo instituta gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki.

(Ore dressing) (Densitometers) (Automatic control)

UTEUSH, Z.V.; KOTIK, P.L.; YEMEL'YANOV, D.S.; UTEUSH, E.V.

Automatic control of the ball mill grinding process. Ogneupory 28 no.12:547-553 '63. (MIRA 16:12)

1. Khar'kovskiy zavod kontrol'no-izmeritel'nykh priborov (for Z.V.Uteush). 2. Nikitovskiy dolomitnyy kombinat (for Kotik). 3. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki (for Yemel'yanov, E.V. Uteush).

YEMEL'YANOV, D.S., doktor tekhn.nauk; KOTIK, P.L., inzh.; UTEUSH, E.V., inzh.; UTEUSH, Z.V., inzh.

Automatic grinding in ball mills. Mekh. i avtom.proizv. 17 no.10:10 O '63. (MIRA 17:1)

UTEUSH, E.V.; YEMEL'YANOV, D.S.; LEV, A.A.; UTEUSH, Z.V.

Automation of crushing cycles in ore dressing plants. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.2:79-82 '64. (MIRA 17:6)

YEMEL'YANOV, D.G., prof.; VOLOSHILO, V.V., inzh.

Causes of the contamination of flotation concentrates by finely dispersed minerals. Izv. vys. ucheb. zav.; gor. zhur. 8 no.7: 197-200 '65. (MIRA 18:9)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Rekomendirovana kafedroy obogashcheniya poleznykh iskopayemykh.

YEMEL'YANOV, D.S., prof.; ZOLOTKO, A.A., inzh.; MEN SYAN'-KAN [Mêng Hsien-K'ang]

Some properties of a water-air mixture as a medium for gravity concentration. Izv.vys.ucheb.zav.;gor.zhur. 7 no.6:140-144 '64.
(MIRA 17:12)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh.

L 33554-66 EWT(1)

ACC NR: AR6000075 SOURCE CODE: UR/0275/65/000/009/B036/B036

51
B

AUTHOR: Yemel'yanov, E. G.

TITLE: Cathode-ray curve tracer for low-power semiconductor triodes.

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 9B282

REF SOURCE: Dokl. Nauchno-tekhn. konferentsii, posvyashch. dnyu radio. Tomsk, Tomskiy un-t, 1964, 52-55

TOPIC TAGS: triode tube, semiconductor device, oscillograph, pn transition

ABSTRACT: This device is designed for oscillographic recording of families of static volt-ampere characteristics of low-power p-n-p and n-p-n types of semiconductor triodes for circuits with a common emmiter and a common base. The amplitude of the collector voltage ranges between 0 and 100 v; the limits of the current vriation of the base are 20, 50, 100, and 200 μamp, and of the emmiter, 0.2, 0.5, 1, and 2 milliamps. A block diagram of the device is given. Refs.: V.K.

SUB CODE: 09/ SUBM DATE: none

Card 1/1

YEMEL'YANOV, F.

"Magician of the fields" by Nikolai Vorob'ev. Reviewed by F.Emel'ianov. Nauka i pered.op.v sel'khoz. 9 no.9:78-79 S '59. (MIRA 13:2)
(Mal'tsev, Terentii Semenovich, 1896-)
(Vorob'ev, Nikolai)

YEMEL'YANOV, F. A.

"Effect of Irrigation and Fertilization on the Bud's Taking Root on the Growth of the Graft, and the Appearance of Standard Apples the Same Year." Cand Agr Sci, Fruit and Vegetable Inst imeni I. V. Michurin, Min Higher Education USSR, Michurinsk, 1954. (KL, No 17, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

YEMEL'YANOV, F. A.

USSR/Cultivated Plants - Fruits. Berries. M-6

Abs Jour : Ref Zhur -Biol., No 7, 1958, 30021

Author : Yemel'yanov, F.A.
Inst :
Title : Preparing Fruit Plant Seeds for Planting.

Orig Pub : S. kh. Povolzh'ya, 1957, No 1, 55-57.

Abstract : The studies of the Saratovskaya Experimental Horticultural Station show that seeds prepared from Kitayka variety apple's periphery crown part yielded 240-250 thousand standard wildings per 1 hectare, and those from the middle section of the crown yielded 120-250 thousand. Seeds of fruit from the inner portion of the crown did not give a single standard wilding. Kitayka seeds with high specific weight yielded 275-300 thousand, and with low specific weight 22-126 thousand standard wildings from 1 ha. The seeds with high specific weight germinated considerably earlier than the lighter ones. The process of stratification occurred

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Abs Jour : Ref Zhur - Biol., No 7, 1958, 30021

more extensively in the light spec. wt. seeds. It is recommended that apple seeds with low specific weight be stratified in the beginning and those with high weight at the end of January.

Country : USSR M
Category: Cultivated Plants. Fruit. Berries.

Abs Jour: RZhBiol., No 11, 1958, No 49112

Author : Yemel'yanov, F.A.
Inst : Saratov Experimental Horticultural Station.
Title : Grafting of the Cherry.

Orig Pub: S. kh. Povolzh'ya, 1957, No 6, 54-56

Abstract: Experiments conducted in the nursery of the Saratov Experimental Horticultural Station showed that the early and late periods of grafting produce a low eye taking rate. It is recommended to begin grafting the cherry with the early varieties and end with the late varieties. The best period of grafting for the Vladimirskaya cherry

Card : 1/2

Country : USSR
Category: Cultivated Plants. Fruit. Berries. M

Abs [illegible], No 11, 1958, No 49112

[illegible] found to be from July 16 to 30 (yield was 16.6 thousand fruit from 1 hectare); for the variety Plodorodnaya Michurina - from July 16 to August 30 (yield 18.9 - 20.5 thousand fruit from one hectare). Cuttings should be procured from mother trees of 7-8 year age, from the southern and south-eastern side of the crown. In connection with the fact that hot and dry weather during the grafting of cherry has a negative effect on the ability of the eyes to take, it is suggested that with the temperature of 50° on the surface of the soil and humidity below 25%, grafting be postponed until a more favorable time. -- R. Garsiya Gonsales

Card : 2/2

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YEMEL'YANOV, F. A.

COUNTRY : USSR
CATEGORY : Cultivated Plants. Fruits. Berries.

ABS. JOUR. : RZhBiol., No.23, 1958, No. 104859

AUTHOR : Yemel'yanov, F. A.
INST. :
TITLE : Irrigation of Apple Tree Stocks.

ORIG. PUB. : Sad i ogorod, 1958, No. 5, 48-49

ABSTRACT : No abstract.

CARD: 1/1

MEDVEDEV, S.R., inzhener; YEMEL'YANOV, F.I., inzhener.

Trench construction for the concrete dam of the Stalingrad water power development. Gidr.stroi. 25 no.10:1-5 N '56.
(Dams) (MLRA 9:12)

14(6)

AUTHOR: Yemel'yanov, F.I., Engineer SOV/98-59-3-4/17

TITLE: The Construction of the Front Part of the Spillway Dam of the Stalingrad Hydroel. Power Plant by Pouring Argillaceous Earth Into the Water (Stroitel'stvo ponura vodoslivnoy plotiny Stalingradskogo gidrouzla metodom otsypki glinistykh gruntov v vodu)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, 28 Nr 3, pp 25-30 (USSR)

ABSTRACT: Direct dumping of clayish earth into the pools at the foot of the earthen dams, for the formation of front parts of the spillways had been studied by the VNIIG imeni Vedeneyev since 1947 and had already been successfully applied in the construction of the Nivagesstroy, Iriklagesstroy, Angaragesstroy, and the Knyazhegubskaya GES. In this article, the author reports on the experiences acquired in the utilization of this method in the construction of the Stalingrad hydropower plant by the Stalingradgidrostroy, executed from January to May 1958 under

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The Construction of the Front Part of the Spillway Dam of the Stalingrad Hydrol. Power Plant by Pouring Argillaceous Earth Into the Water

a group of engineers, directed by the chief engineer of that organization A.Ya. Kuznetsov, and supervised by representatives of the Scientific Council of the VNIIG imeni Vedeneyev. Of the 150,000 m^3 of earth used in the construction of the spillway dam (760 m frontal length and 53 m length downstream), about 100,000 m^3 were dumped by this method, into up to 1.15 m deep pools and on a 50-70 cm rampart above the water, without any special tamping. The qualities of the fill were examined independently by the laboratories of the construction firms and by the institute Gidroproyekt. The best results were shown with earth of a 15-25% humidity, and volumetric weight of 1.60 ton/m^3. The argillaceous earth dumped into the water considerably changes its physical properties with the passage of time. The solidity in the lower and middle sections of the fill in-

The Construction of the Front Part of the Spillway Dam of the Stalingrad Hydroel.Power Plant by Pouring Argillaceous Earth Into the Water

creases, the porosity of the above-water rampart lessens. Hydro-technical structures can be made by this method, if they do not have to be subjected to slip. This method proved to be more economical, and facilitated the speed of the construction work. There are 2 tables, 2 diagrams, 1 photo and 3 Soviet references.

Card 3/3

YEMEL'YANOV, F.I., inzh.; ZITSERMAN, Yu.V.

Bridge made of reinforced keramizit concrete. Bet.i zhel.-bet. 8 no.4:148-151 Ap '62. (MIRA 15:5)
(Bridge construction) (Reinforced concrete construction)

YEMEL'YANOV, F.I., inzh.; BITYUKOV, I.I., inzh.

Concrete structures and concrete of the Volga Hydroelectric Power Station (22d Congress of the CPSU). Bet.i zhel.-bet. 8 no.4:143-146 Ap '62. (MIRA 15:5)
(Volga Hydroelectric Power Station (22d Congress of the CPSU)—Concrete construction)

YEMEL'YANOV, F.I., inzh.

Construction of the earth dam of the Volga Hydroelectric Power Station (22nd Congress of the CPSU). Energ. stroi. no.34:44-52 '63.
(MIRA 17:1)

1. Volgogradgidrostroy.

YEMEL'YANOV, F.N.

Track alignment with hydraulic insturments. Put' i put.khoz. 4 no.2:15-17 F '60. (MIRA 13:5)

1. Zamestitel' nachal'nika distantsii puti, stantsiya Ryazan', Moskovskoy dorogi.
(Railroads--Track)

RYMKEVICH, Pavel Adamovich,prof.; YEMEL'YANOV, Fedor Semenovich,; RYMKEVICH, Andrey Pavlovich,; SHVAYCHENKO, Ivan Markovich, [deceased].; BARKOVSKIY, I.V., red.; BOL'SHAKOV, V.A.,tekhn. red.

[Collection of problems and questions in physics for grades 8 to 10 of secondary schools] Sbornik zadach i voprosov po fizike dlia 8-10 klassov srednei shkoly. Leningrad, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, Leningra. otd-nie, 1957. 294 p. (MIRA 11:12)
(Physics--Problems, exercises,etc.)

YEMEL'YANOV, F.S.

Two experiments in the ninth class. Fiz.v shkole 17 no.2:64 Mr-Ap '57. (MLRA 10:3)

1. 314-ya srednyaya shkola, Leningrad.
(Physics--Experiments)

SINYAGIN, I.I., doktor sel'skokhozyaystvennykh nauk, red.; DMITRIYEVA, A.I., red.; YEMEL'YANOV, F.V., red.; SOKOLOV, G.N., red.; SUVALOV, I.S., red.; SHLEPAKOV, V.M., red.; SHUMKOV, V.A., red.; ANTONOVA, N.M., tekhn.red.

[Papers of the anniversary session of the Lenin All-Union Academy of Agricultural Sciences dedicated to the 40th anniversary of the Great Socialist October Revolution] Materialy iubileinoi sessii Vsesoiuznoi akademii sel'skokhoziaistvennykh nauk imeni V.I.Lenina, posviashchennoi 40-i godovshchine Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1958. 900 p. (MIRA 13:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina. 2. Glavnyy uchenyy sekretar' Prezidiuma Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (VASKhNIL); chlen-korrespondent (for Sinyagin).
(Agricultural research) (Forestry research)

TOMME, M.F., prof., doktor sel'khoz. nauk, red.; KRYLOV, G.A., red.; YEMEL'YANOV, F.V., red.; KARTASHEVA, N.M., red.; ANTONOVA, N.M., tekhn. red.

[Forage quality of corn]Kormovoe dostoinstvo kukuruzy. Pod red. M.F.Tomme. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1959. 413 p. (MIRA 16:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva. 2. Chlen-korrespondent Vsesoyuznoy sel'skokhozyaystvennoy akademii im. V.I.Lenina i Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva (for Tomme).
(Corn as feed)

DMITRIYEVA, A.I., red.; YEMEL'YANOV, F.V., red.; SHLYAPNOV, V.M., red.; ANTONOVA, N.M., tekhn. red.

[Work results of Soviet agricultural academies during 1959 and basic problems of research for the coming years; materials of the extended session of the Council for the Coordination of Agricultural Research of the Lenin All-Union Academy of Agricultural Sciences] Itogi raboty respublikanskikh akademii sel'skokhozialstve nykh nauk za 1959 god i osnovnye problemy nauchno-teoreticheskikh i issledovanii na blizhaishie gody; materialy rasshirennogo zasedaniia Soveta po koordinatsii nauchnoi deiatel'nosti po selskomu khoziaistvu Vsesoiuznoi adademii sel'skokhoziaistvennykh nauk imeni V.I.Lenina 25-26 marta 1960 goda. Moskva, Izd-vo M-va sel'.khoz. SSSR, 1960. 166 p. (MIRA 14:5)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina. (Agricultural research)

NIKOLAYEV, A.I., akademik, red.; YEZEL'YANOV, F.V., red.; ANTONOVA, N.M., tekhn. red.

[Raising fine-wool sheep in Siberia] Tonkorunnoe ovtsevodstvo v Sibiri. Pod obshchei red. A.I.Nikolaeva. Moskva, Sel'khozizdat, 1961. 117 p. (MIRA 14:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina. Otdeleniye zhivotnovodstva. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Nikolayev).
(Siberia--Sheep)

SKRYABIN, K.I., akademik, red.; YEMEL'YANOV, F.V., red.; ANTONOVA, N.M., tekhn. red.

[Control of diseases common to man and animals (zoonoses)] Bor'ba s boleznіami obshchimi dlia cheloveka i zhivotnykh (zoonozy). Pod obshchei red. K.I.Skriabina. Moskva, Izd-vo M-va sel'.khoz. SSSR, 1961. 138 p. (MIRA 14:6)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina.

(COMMUNICABLE DISEASES IN ANIMALS)

ROSTOVTSEV, N.F., akademik, red.; YEMEL'YANOV, F.V., red.; ANTONOVA, N.M., khud.-tekhn.red.

[Theory and practice of livestock breeding] Teoriia i praktika razvedeniia sel'skokhoziaistvennykh zhivotnykh. Pod obshchei red. N.F.Rostovtseva. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1961. 231 p. (MIRA 14:4)

1. Moscow. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev).
(Stock and stockbreeding)

GRIBANOV, L.V., kand. biolog. nauk, red.; YEMEL'YANOV, F.V., red.

[Utilization of ponds for intensive fish culture] Ispol'zovanie prudov dlia intensivnogo rybovodstva. Moskva, Izd-vo M-va sel'-khoz. SSSR, 1961. 72 p. (MIRA 15:1)
(Fish culture)

PREVO, Anatoliy Anatol'yevich; PEL'TSER, Sergey Oskarovich;
KHODANOVICH, Ye.Ye., kand. sel'khoz. nauk, retsenzent;
SAVEL'YEV, I.K., kand. sel'khoz. nauk, retsenzent;
GOLOVKINA, N.M., prepod. sredney shkoly, retsenzent;
YEMEL'YANOV, F.V., red.; YEFIMOV, A.L., red.; TSYPKO, R.V.,
tekhn. red.

[Poultry raising] Ptitsevodstvo; uchebnoe rukovodstvo dlia uchashchikhsia sel'skikh srednikh shkol s proizvodstvennym obucheniem. Moskva, Uchpedgiz, 1963. 189 p.
(MIRA 16:10)

(Poultry)

YEMEL'YANOV, G. A.; BAZILEVICH, Ye. V.; TSYGIKALS, A.I.; KIRSANOV, V.I.; PEREGUDOV, A.N., otv. red.; DOBRYNINA, A.Ya., red.; MARKOCH, K.G., tekhn. red.

[Telegraphic communication; an informational bulletin] Telegrafnaia sviaz'; informatsionnyi sbornik. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1958. 104 p. (MIRA 11:11)

1. Russia(1923- U.S.S.R.)Ministerstvo svyazi. Tekhnicheskoye upravleniye. (Telegraph)

YEMEL'YANOV, G. A. Cand Tech Sci -- (diss) "Safety of telegraphic communications through metallic channels in the predence of interference." Mos, 1959. 12 pp (Min of Communications USSR. Mos Electrical Engineering Inst of Communications). (KL, 47-59, 114)

YEMEL YANOV, G. A.

А. В. Шереметьев.

Разработка технических решений по переходу на [illegible] [illegible] усилительных пунктов существующих кабельных магистралей

Г. Н. Поваров

Некоторые вопросы общей теории сетей управления и связи

Н. Н. Жадно[illegible]

Механизация работ по строительству и эксплуатации линий связи и радиофикации на [illegible] аппарат

12 июня

(с 10 до 16 часов)

В. Н. Терентьев,
К. Е. Волосовецкий

Электронный телеграфный аппарат.

В. В. Минаев,
В. Н. Карпенко

Электронные датчики испытательных сигналов.

Ф. А. Кудрявцев

Анализ и выбор электрической схемы фототелеграфного аппарата с оптико-механической развёрткой изображения.

12 июня

(с 10 до 22 часов)

Г. А. Емельянов

О законах распределения искажений телеграфных посылок при синхронной и стартстопной передаче и по каналам тонального телеграфирования

А. С. Юдкевич

Повышение коэффициента использования каналов связи при фототелеграфировании

В. Н. Карпенко

Комбинированные системы телеграфного уплотнения.

6. СЕКЦИЯ ТЕЛЕВИДЕНИЯ

Руководитель С. И. Катаев

9 июня

(с 10 до 16 часов)

В. Г. Комаров,
А. С. Ананьев

Телекамера на полупроводниковых приборах

Ю. Н. Серебряков

Выходной каскад вертикальной развертки

Report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications im. A. S. Popov (VNORiE), Moscow, 8-12 June. 1959

05376

SOV/106-59-8-8/12

AUTHORS: Yemel'yanov, G.A. and Rabinovich, M.B.

TITLE: The Effect of "Break-up" of Telegraph Digits on the Stability of Line Telegraph Communication

PERIODICAL: Elektrosvyaz', 1959, Nr 8, pp 57 - 66 (USSR)

ABSTRACT: The article describes an investigation into the false printing of digits in tone telegraph (TT) and DC telegraph systems, produced by "break-up" of the transmitted digit pulses. By "break-up" the authors mean short-duration changes in the amplitude or direction of the digit-pulse current at the input to the telegraph receiving apparatus.
The erroneous digits were registered by special counters connected in the core circuit of the receiver relay (for TT start-stop apparatus) and directly in the lines for the DC telegraph. The results were grouped according to the duration of the break-up: a) less than 5 ms; b) 5-10 ms; c) 10-20 ms; d) 20-100 ms; e) 100-300 ms and f) above 300 ms.
Observations were made from one point on 7 main trunks (on one TT channel in each), extending over 450-3 200 km,

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The Effect of "Break-up" of Telegraph Digits on the Stability of Line Telegraph Communication

compounded with 12- and 24- high-frequency, telephony channels. Two of the trunks were cables, three aerial and two - composite. The DC telegraph observations were made on two lines, 100 and 150 km in length. It was found:
1) in conductor telegraph systems, the breakup distribution as a function of the break-up duration is a normal-logarithmic law;
2) in tone-telegraphic systems the number of break-ups depends on the hour of the day and on the day of the week. Break-up occurs more frequently in the daytime than at night and more frequently on working days than on Sundays;
3) a significant part of the break-up is produced by the work of the technical personnel at the exchanges;
4) in the design and exploitation of telegraph communication systems it is necessary to determine a priori the expected reliability of the transmission of telegraphic messages in the presence of break-up. This can be done if the parameters m and σ of the distribution law are known.

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The Effect of "Break-up" of Telegraph Digits on the Stability of Line Telegraph Communication

m is the mean value of log x (x - the number of break-ups) and σ is the standard deviation of log x. The expected reliability is defined by the product of βR, where β is the number of expected break-ups per hour and R is the reliability of the system. The experimental results are shown in Table 1 and comparison of the theoretical and empirical values of the probabilities of any particular value of break-up duration are given in Table 2. The histograms of Figure 5 show the mean number of false operations of the receiver relay observed in each hour of the day and the number in each day of the week (expressed as a percentage of the total number). The results of processing the data - accumulating totals of false operations (x) against break-up duration are shown in Figure 1. Figure 2 shows the same data but the ordinate shows log x. Both graphs are plotted on "probability" paper. Figure 2 confirms the normal-logarithmic distribution law. There are 2 tables, 7 figures and 1 reference.

SUBMITTED: May 11, 1959

Card3/3

YEMEL'YANOV, G.A.

Function of the degree of distribution of telegraph signal distortion caused by a teletypewriter. Elektrosviaz' 14 no.3:52-56 Mr '60. (MIRA 13:6)
(Teletype)

NAUMOV, P.A.; YEMEL'YANOV, G.A.

Automatic control of the operation of telegraph communications.
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We prize our workers' honor. Avt. transp. 40 no.12:3-4 D '62.
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1. Simferopol'skiy avtobusnyy park (for Yegorov, Voytanik). 2. Simferepol'skiy taksomotornyy park (for Murashko, Kozintsev). 2. Kerchenskiy avtobusno-taksomotornyy park (for Polulyakh). 4. Yevpatoriyskiy avtobusno-taksomotornyy park (for Kamatskiy). 5. Yaltinskiy taksomotornyy park (for Varshavskaya). 6. Feodosiyskiy taksomotornyy park (for Varshavskaya). 7. Sevastopol'skiy avtobusno-taksomotornyy park (for Yemel'yanov). 8. Simferopol'skiy gruzovoy avtopark (for Verbov). 9. 2-y Simferopol'skiy gruznvoy avtopark (for Verbov). 9. 2-y Simferopol'skiy gruzovoy avtopark (for Danilets). 10. Bakhchisarayskiy avtopark (for Boganchenko). 11. Sevastopol'skiy avtopark (for Prudnikov). 12. 1-y Simferopol'skiy gruzovoy avtopark (for V8Yunikov, Solovey).

DUBOVIK, Vladimir Afanas'yevich; VYGOVSKIY, Sergey Ivanovich; BAZILEVICH, Yevgeniy Vladimirovich; YEMEL'YANOV, Gennadiy Alekseyevich; MARTSENITSER, S.I., otv. red.; KOKOSOV, L.V., red.; SHEFER, G.I., tekhn. red.

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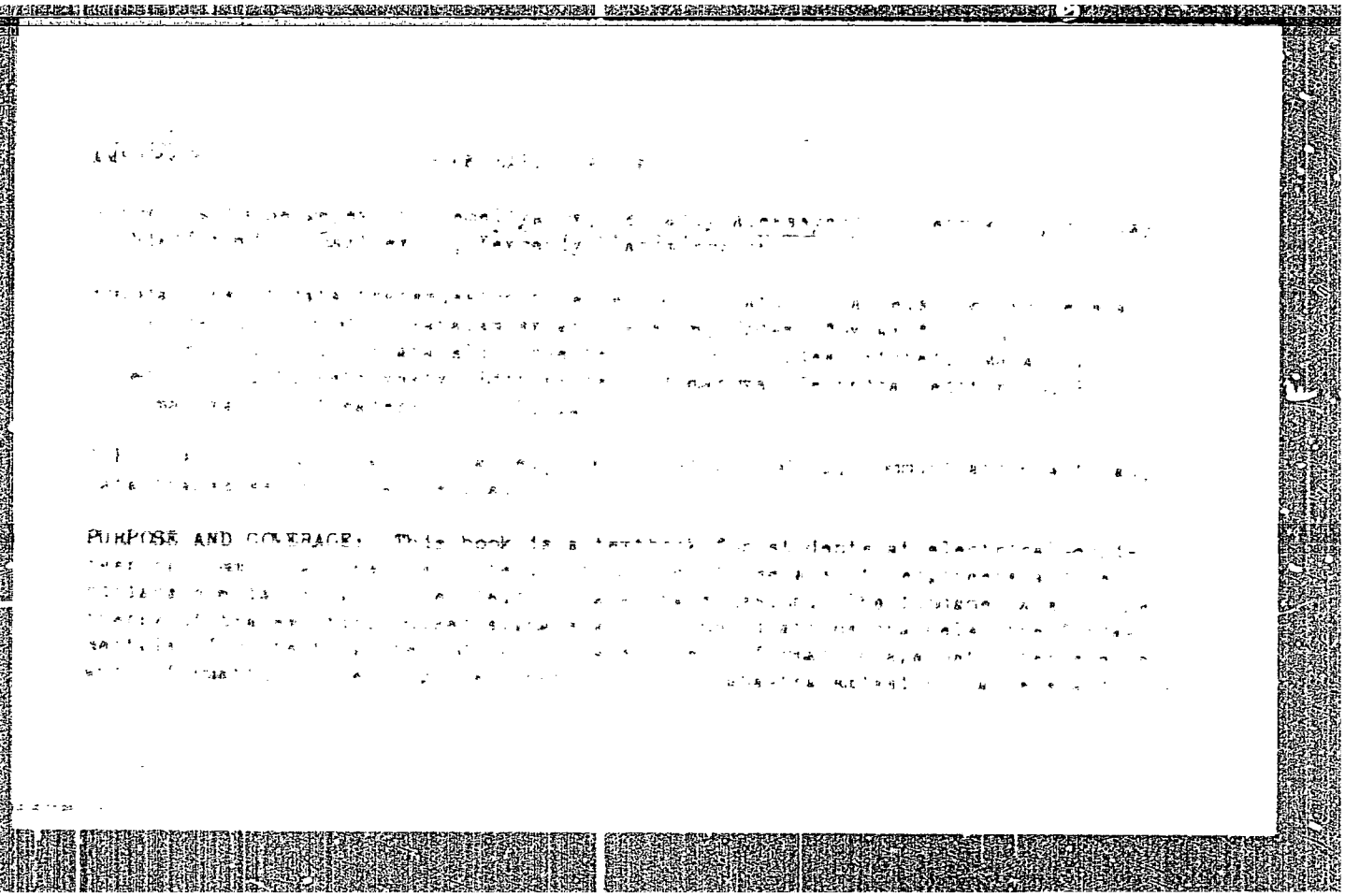

PURPOSE AND COVERAGE: