Some stationary problems of ...

$$v_\varphi = C_1 \frac{1}{r} + C_2 r^{1+\frac{Q}{2\pi\nu}}; \quad v_r = \frac{Q}{2\pi r}.$$

in the usual hydrodynamics (H = 0); (2) magnetic vortex field and hydrodynamic sources

$$H_\varphi = C_1 r + C_2 r^{-1+\frac{Q}{2\pi\nu_m}} \qquad (7);$$

(3) hydrodynamic vortex in a radial magnetic field

$$H_\varphi = \frac{\Phi}{2\pi\nu_m}(C_1 r^\lambda + C_2 r^{-\lambda}) + C_4 \frac{1}{r}; \quad H_r = \frac{\Phi}{2\pi r};$$

$$v_\varphi = -(1+\lambda) C_1 r^\lambda + (\lambda - 1) C_2 r^{-\lambda} + C_3 \cdot r; \left(\lambda = \sqrt{1 + \frac{\Phi^2}{16\pi^3 \rho \nu \nu_m}}\right). \qquad (9);$$

(4) the motion of the fluid along the z axis in a radial-axial magnetic field

Card 5/6

$$H_r=\frac{\Phi}{2\pi\rho};\quad v_r=\frac{Q}{2\pi\rho};$$
$$H_z=\frac{\Phi}{2\pi\nu_m}(C_5r^{\lambda_5}+C_6r^{\lambda_6})+C_7-\frac{4\pi^2\Phi P_2}{4\pi\rho(4\pi\nu-Q)(4\pi\nu_m-Q)-\Phi^2}r^2;$$
$$v_z=\left(\frac{Q}{2\pi\nu_m}-\lambda_5\right)C_5r^{\lambda_5}+\left(\frac{Q}{2\pi\nu_m}-\lambda_6\right)C_6r^{\lambda_6}+C_8+$$
$$+\frac{4\pi^2(4\pi\nu_m-Q)P_2}{4\pi\rho(4\pi\nu-Q)(4\pi\nu_m-Q)-\Phi^2}r^2, \qquad (5a).$$

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo (Khar'kov State University imeni A. M. Gor'kiy)

SUBMITTED: June 26, 1961 (initially)
December 15, 1961 (after revision)

BORISENKO, Aleksandr Ivanovich; TARAPOV, Ivan Yevgen'yevich; TAL'SKIY, D.A., red.; GARINA, T.D., tekhn. red.

[Vector analysis and the fundamentals of the calculus of tensors] Vektornyi analiz i nachala tenzornogo ischisleniia. Izd.2., dop. Moskva, Gos.izd-vo "Vysshaia shkola," 1963. 261 p. (MIRA 16:12)
(Vector analysis) (Calculus of tensors)

ACCESSION NR: AP4009974 S/0109/64/009/001/0053/0060

AUTHOR: Masalov, S. A.; Tarapov, I. Ye.

TITLE: Electromagnetic-wave diffraction by a spatial periodic grating consisting of rectangular-cross-section rods

SOURCE: Radiotekhnika i elektronika, v. 9, no. 1, 1964, 53-60

TOPIC TAGS: electromagnetic wave diffraction, diffraction grating, spatial diffraction grating, E polarized wave diffraction, rectangular rod diffraction grating

ABSTRACT: A numerical solution of the problem of the diffraction of an E-polarized plane wave arriving normally at a perfect-conduction rod grating is presented. The method of solution is similar to that suggested by L. N. Deryugin (Dokl. AN SSSR, 1952, 87, 6, 913). Curves are plotted for the transmission factor vs. the ratio of the grating period to the wavelength, vs. the ratio of the

Card 1/2

ACCESSION NR: AP4009974

grating thickness to its period, and vs. the ratio of the spacing width to the period. Numerical calculations were carried out on a "Strela" computer at the Computing Center, AN SSSR. "We sincerely thank V. A. Marchenko for his guidance; we also thank E. D. Sitnikov for his part in carrying out the calculations." Orig. art. has: 5 figures and 27 formulas.

ASSOCIATION: none

SUBMITTED: 01Dec62	DATE ACQ: 10Feb64	ENCL: 00
SUB CODE: CO, GE	NO REF SOV: 002	OTHER: 000

Card 2/2

L 1799-66 EWT(1)
ACCESSION NR: AP5025114 UR/0208/65/005/005/0883/0893
517.9:535.4

AUTHOR: Tarapov, I. Ye. (Khar'kov) 44,55

TITLE: The problem of diffraction by an array of elements of arbitrary contours

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 5, no. 5, 1965, 883-893

TOPIC TAGS: wave diffraction, Neumann problem, Dirichlet problem, Helmholtz equation 21,44,55

ABSTRACT: The application of integral equations to solving the problem of diffraction of a plane wave by an array formed by elements of arbitrary contours is analyzed. Two cases are investigated: 1) when the normal derivative of the total field vanishes on the contours of elements; and 2) when the total field vanishes on the contours of elements. In the first case, the solution of the diffraction problem is connected with the solution of the "external" Neumann problem for the Helmholtz equation, and in the second case, with the solution of the "external" Dirichlet problem for the Helmholtz equation. The solution is sought in the form of the potential of a simple layer. In both cases, the solution of the boundary-value problems

Card 1/2

L 1799-66

ACCESSION NR: AP5025114 O

is reduced to determining the density of potential from Fredholm integral equations of the second kind. A method showing how first approximations of solutions of integral equations can be obtained is shown. Orig. art. has: 1 figure and 55 formulas. [LK]

ASSOCIATION: none

SUBMITTED: 26Nov64	ENCL: 00	SUB CODE: ME, MA
NO REF SOV: 008	OTHER: 001	ATD PRESS: 4112

mlb

Card 2/2

KOZIN, G.N., inzh.; KOLGANOV, G.S., inzh.; TARAPUROV, N.P., inzh.; SAVIN, N.M., inzh.

Rapid method for the fritting of a 600-ton open-hearth furnace. Met.i gornorud.prom. no.5:76-78 S-O '62. (MIRA 16:1)
(Open-hearth furnaces--Maintenance and repair)

KOLGANOV, G.S.; TARAPUROV, N.P.; SERVETNIK, V.M.; SINITSÀ, I.I.

Developing and adopting a procedure for the production of chemically capped steel. Stal' 22 no.11:994-996 N '62. (MIRA 15:11)
(Steel ingots)

KOLGANOV, G.S.; ZHURAVLEV, I.P.; KORKOSHKO, N.M.; SERVITNIK, V.M.; TARAPUROV, N.P.

Introduce the production of chemically capped steel. Metallurg 10 no.8:13-15 Ag '64. (MIRA 17:11)

1. Krivorozhskiy metallurgicheskiy zavod.

L 33951-65 EWT(m) EWA(d)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5005077 S/0130/65/000/002/0011/0012

AUTHOR: Kolganov, G. S.; Tarapurov, N. P.; Servetnik, V. M.; Poltavets, Z. I.

TITLE: Characteristics of rimmed steel production in 600-ton furnaces

SOURCE: Metallurg, no. 2, 1965, 11-12

TOPIC TAGS: rimmed steel, blast furnace, steel production, open hearth furnace, top casting, manganese content, steel segregation

ABSTRACT: This article describes the production of rimmed steels St. 3 and St. 8 in 600-ton basic furnaces operating by the scrap-ore process with an average pig iron consumption of 53%. The metal is top cast from 330-ton ladles into 8.2-ton ingots. A three-layer scheme of charging is used: 40% ore, all limestone, remaining ore. Sinter with an iron content of 60.0-53.0% (0.9-1.1 basicity) or 59.5-66.6% (0.02-0.5 basicity) can be used in place of the ore. Desulfurization is vigorous in the finishing period. An investigation showed that with top casting into tall (2100 mm), large (8.2-ton) ingots, ebullition of St. 3 was mainly affected by manganese. It was found that for normal ebullition in the mold the manganese content in the finished metal should not be more than 0.45% for this steel. Ingots of both steels, St. 3 and St. 8, had honeycomb blowholes for almost 3/4 of the ingot height. The maximal size of the blowholes was 60-70 mm for St. 3

Card 1/2

L 33951-65
ACCESSION NR: AP5005077

and 80-90 mm for St. 8. The upper 10-15% of the ingot contained the maximal content of segregating elements. The degree of segregation of carbon, sulfur, and phosphorus in the steels was 120, 320, and 110%, respectively. Manganese was not segregated at all. Vertical capping of the ingots prevented [illegible] reduce segregation of the elements. It was concluded that production of rimmed steel in large open-hearth furnaces [illegible] the required quality of the metal. Orig. art. has: 1 table and 1 figure.

ASSOCIATION: none

SUBMITTED: 00, ENCL: 00 SUB CODE: IE, MM

NO REF SOV: 000 OTHER: 000

Card 2/2

SERVETNIK, V.M.; TARAPUROV, N.P.

An experimental use of sinter in 600-ton open-hearth furnaces.
Met. i gornorud. prom. no.4:71-73 Jl-Ag '65. (MIRA 18:10)

TARAPOVSKIY, N.

A generous heart. Grazhd. av. 22 no.7:6 Jl '65. (MIRA 18:7)

1. Starshiy inzh. Leningradskogo aviatsionnogo podrazdeleniya.

TARAPYGIN, P.

Cooperating with hydraulic engineers. Grazhd.av 17 no.9:20 S '60.
(MIRA 13:9)

1. Rukovoditel' gruppy otdela izyskaniy instituta Gidroenergoproyekt.
(Aeronautics, Commercial) (Hydraulic engineering)

TARAPYGIN, P.P.

A stationary rod for measuring the thickness of ice. Meteor.i gidrol. no.10:41-42 O '57. (MIRA 10:11)
(Ice on rivers, lakes, etc.--Measurement)

TARAPYGIN, P.P., inzh.

Using helicopters for building and assembly operations. Prom. stroi. 39 no.9:52-54 '61. (MIRA 14:10)
(Helicopters) (Building)

TARAPYGIN, P.P., inzh.

Helicopters in the construction of pipelines. Stroi. trub.prov. 7 no.12:29 D '62. (MIRA 16:1)
(Helicopters) (Pipelines)

TARARAKSIN, I.

Centrifugal separator for processing the stock after grinding.
Muk.-elev.prom. 20 no.12:21 D '54. (MLRA 8:3)

1. Tambovskaya mel'nitsa No.1.
(Grain milling machinery)(Centrifuges)

TARARAYEV, A. Ya.

Gorkiy, Maksim, 1868-1936

Maksim Gorkiy's letters to Ye. P. Peshkova. Vest. AN SSSR, 22, No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1953, Uncl.

TARARAKSINA, YU. A.,
V. B.SAMUNAEV, Byull. Obmen Opyt. Lakokrasochnoi Prom. 1939,
No. 9, 10-12.

TARARAKSINA, YU. A.,
V. B. SAMUSHEV, Byull. Obmen. Opyt. Lakokrasochnoi Prom. 1940,
No. 3, 22-4.

TARARAYEV, V.

First successes have been achieved. Sel'.stroi. 11 no.3:16-17 11 Mr '57. (MLRA 10:5)

1.Nachal'nik Malinskogo rayonnogo otdela po stroitel'stvu v kolkhozakh Moskovskoy oblasti.
(Malino District--Construction industry)

RUSESCU, A., prof.; BALABAN, I. dr.; TARARESCU, C., dr.; POPESCU, V., dr.

Functional disorders of the intestine in children. Pediatria (Bucur.) 14 no.3:231-239 My-Je '65.

1. Lucrare efectuata in Spitalul clinic de pediatrie "Emilia Irsa", Bucuresti.

MARAKUSHEV, A.A.; TARARIN, I.A.

Mineralogical criteria of the alkalinity of granitoids. Izv. AN SSSR. Ser. geol. 30 no.3:20-37 Mr '65. (MIRA 18:3)

1. Dal'nevostochnyy geologicheskiy institut Sibirskogo otdeleniya AN SSSR, Vladivostok.

TARARIN, I.I.

Drilling deep boreholes through water-gas layers. Razved. i okh.neftr 21 no.2:54-56 Mr-Ap '55. (MLRA 9:12)

(Boring)

TATARIN, R. A.

TATARIN, R.A., podpolkovnik meditsinskoy sluzhby

Characteristic of food poisoning caused by Salmonella Enteriditis. Voen.-med. zhur. no.4:60-61 Ap '56. (MLRA 9:9)
(SALMONELLA) (FOOD POISONING)

TARAKHIN, N.A., podpolkovnik med. sluzhby, kand. med. nauk

Transmission of paratyphoid A by contact or food contamination.
Voen. med. zhur. no.3:81 Mr '58. (MIRA 12:7)
(PARATYPHOID FEVER)

SIROKO, A.L., polkovnik med.sluzhby, prof.; TARARIN, R.A., dots., polkovnik med.sluzhby

Criticism must be constructive. Voen.-med.zhur. no.12:81-82 D '58. (MIRA 12:12)

(EPIDEMIOLOGY) (MEDICINE, MILITARY)

TARARIN, R.A., dotsent

On the utilization of insecticides in smoke-pots in the eradication of fleas out of doors. Voen.-med.zhur. no.9:45-48 S '59.
(MIRA 13:1)

(INSECTICIDES)

TARAKIN, R.A., polkovnik med. sluzhby, dotsent

Prospects for a thermal mixture to produce insecticide-rodenticide aerosols. Voen.-med. zhur. no.8:69-71 Ag '60. (MIRA 14:7)
(INSECTICIDES) (RODENTICIDES) (AEROSOLS)

TARARIN, R.A.

"Manual for disinfectors" by V.I.Vashkov and others. Reviewed by E.P.Klimenko, K.Z.Levtova. Zhur.mikrobiol., epid. i immun. 32 no.10: 140-142 O '60. (MIRA 14:10)
(DISINFECTION AND DISINFECTANTS) (VASHKOV, V.I.)

SHURA-BURA, B.L.; TARARIN, R.A.; MEL'NIKOV, B.K.

Radioactive tagging of the brown rat as a method of studying migration problems. Zool. zhur. 39 no.11:1700-1706 N '60. (MIRA 14:1)

1. S.M.Kirov Military-Medical Academy, Leningrad and Leningrad Municipal Disinfection Station.
(Animals, Marking up) (Radioactive tracers)

TARARIN, R. A., polkovnik meditsinskoy sluzhby; ZAVARZIN, A. V., podpolkovnik meditsinskoy sluzhby

Conference on theoretical considerations in relation to the problem problem of reducing and eliminating epidemic diseases. Voen.-med. zhur. no.12:77-78 D '61. (MIRA 15:7)

(COMMUNICABLE DISEASES—PREVENTION)
(MEDICINE, MILITARY)

TARARIN, R.A.

"Survival and indication of pathogenic microbes on the environment" by V.V.Skvortsov, V.S.Kiktenko, V.D.Kucherenko. Reviewed by R.A. Tararin. Zhur. mikrobiol., epid. i immun. 32 no.10:142-145 O '61. (MIRA 14:10)

(MICRO-ORGANISM, PATHOGENIC) (SKVORTSEV, V.V.)
(KIKTENKO, V.S.) (KUCHERENKO, V.D.)

SHURA-BURA, B.L.; TARARIN, R.A.; KLYUCHNIK, N.S.

Study of the migration of gray rats using labeled atoms. Zhur. mikrobiol., epid. i immun. 33 no.12:76-81 D '62. (MIRA 16:5)

1. Iz Voyenno-meditsinskoy akademii i Leningradskoy portovoy protivochumnoy stantsii.

(RATS) (ANIMAL MIGRATION) PHOSPHORUS ISOTOPES)

TARARIN, R.A.; STAROSTINA, A.V.

Effect of aerosols in disinfestation of enzootic foci; an abstract. Med. paraz. i paraz. bol. 33 no.5:616-617 S-O '64. (MIRA 18:4)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova, Leningrad i Leningradskaya protivochumnaya nablyudatel'naya stantsiya.

TARARIN, R.A.

Essay on the history of Soviet military epidemiology during the Great Patriatic War. Zhur.mikrobiol.,epid. i immun. 41 no.5:149-152 My '64. (MIRA 18:2)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova.

TARARIN, S.V.

Aluminum electrolytic cells treated without destroying the crust at the end walls. TSvet.met. 33 no.1:82-84 Ja '60. (MIRA 13:5)

1. Ural'skiy alyuminiyevyy zavod.
(Aluminum--Electrometallurgy)

TAVADZE, G.V.; BELYAYEV, A...

Selection of additives for improving the composition of electrolytes for aluminum baths. Izv. vys. ucheb. zav.; tsvet. met. 6 no.3:96-99 '63. (MIRA 16:6)

1. Moskovskiy institut stali i splavov, kafedra proizvodstva chistykh metallov i poluprovodnikov materialov.
(Aluminum--Electrometallurgy)
(Electrolytes)

TARARIN, S.V.; VOL'BERG, A.A.; AFONIN, V.T.; VOROB'YEV, G.M.; TITOV, M.I.

Influence of the operation of changing the contact pins to automatic control of electrolytic cells with a side supply of current. TSvet. met. 38 no.11:80-84 N '65.

(MIRA 18:11)

BRILAKH, M.M.; YUROVSKIY, Yu.I.; TARARIN, V.F.

Mechanized shop for the production of cast tube-mill pebbles. Lit.proizv. no.11:10-11 N '61. (MIRA 14:10)
(Iron founding)

USSR / Human and Animal Morphology (Normal and Pathological). Nervous System. Peripheral Nervous System. 3

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16950

Author : Tararina, G. G.
Inst : Not given
Title : Comparative Anatomy of Solar and Superior Mesenteric Plexuses on Man and Some Vertebrates

Orig Pub : V sb.: Izbr. vopr. morfol. nervn. sistemy i krovosnabzh. nervov. Chelyabinsk, 1958, 39-50

Abstract : On fresh cadavers of 10 frogs, 10 birds, 10 rats, 10 dogs, 10 cats and 10 newborn and of human fetuses, the solar (SP) and anterior mesenteric plexuses (AMP) were studied. In

Card 1/3

USSR / Human and Animal Morphology (Normal and Pathological). Nervous System. Peripheral Nervous System. S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16950

man and the studied animals, SP and AMP lie on the ventral surface of the abdominal aorta in the region of the radix of the celiac and superior mesenteric arteries. Two celiac ganglia and one superior mesenteric ganglion enter into the composition of SP and AMP of man, dog, cat and rat. In a number of cases these ganglia merge with themselves. In frogs and birds, the celiac and superior mesenteric angles are well expressed, but do not merge with themselves. From SP, the nerve branches run along the path of arteries to the liver, stomach, spleen, duodenum, pancreas and kidneys. To the small

Card 2/3

USSR / Human and Animal Morphology (Normal and Pathological). Nervous System. Peripheral Nervous System. 3

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16950

intestine, they run mainly from AMP. On the vessel walls in man, dog, cat and to a lesser degree in rats the nerve branches form plexuses; in frogs and birds the branches of SP and AMP of the vessel walls lie as parallel trunks. Independent branches, which do not depend on the path of vessels, run also from SP and AMP. The loops and arcs of nerve plexuses which run along the path of branches of the superior mesenteric artery are more complex in mammals than in birds and frogs. Along the length of the secondary plexuses in mammals, there are nerve nodules of various form and size.

Card 3/3

TARARINOV, A.T.

Late results of treating perforating gastric and duodenal ulcer. Zdrav. Belor. 6 no.4:52-53 Ap '60. (MIRA 14:5)

1. Iz Zhlobinskoy rayonnoy bol'nitsy (glavnyy vrach A.S.Karpenko).
(PEPTIC ULCER)

TARARIYEV, N. G., Cand Med Sci -- (diss) "~~Contributions to~~ Data for the Clinic and Treatment of ~~Spinal Tabes~~ tabes dorsalis." Chernovtsy, 1957. 16 pp (Min of Health Ukr SSR, Chernovtsy State Med Inst), 200 copies (KL, 51-57, 94)

RUMYANTSEV, A.P.; FEDOROVA, L.F.; KRAVCHENKO, N.A.; TARAROYEVA, L.D.
KRICHEVSKAYA, I.V.

Ultrasonic control of macrodefects and local structural inhomogeneities in turbine blades. Defektoskopiia no. 5: 3-7 '65 (MIRA 19:1)

L 37140-66 EWT(d)/EWT(l)/EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(l) IJP(c)
ACC NR: AP6014417 (N) JD/HW/EM/JT SOURCE CODE: UR/0381/65/000/005/0003/0007

AUTHORS: Rumyantsev, A. P.; Fedorova, L. P.; Kravchenko, N. A.; Tararoyeva, L. D.; Krichevskaya, I. V.

ORG: none

TITLE: Ultrasonic control of macrodefects and local structural inhomogeneities in turbine blades

SOURCE: Defektoskopiya, no. 5, 1965, 3-7

TOPIC TAGS: turbine blade, [redacted] metallurgic testing machine, metal test, ultrasonic

ABSTRACT: An immersion type ultrasonic installation for the detection of structural defects in turbine blades, developed by the Khar'kov Aviation Institute (Khar'kovskiy aviatsionnyy institut) and the Khar'kov Polytechnic Institute (Khar'kovskiy politekhnicheskiy institut) for the Khar'kov Turbogenerator Factory im. S. M. Kirov (Khar'kovskiy turbogeneratornyy zavod), is described. The device is capable of detecting defects whose effective reflective area is larger than 3 mm^2. The installation consists of a water bath, ultrasonic generator of 2.5 megacycles, receiver, and associated electronics for converting the sound signals into electric impulses and displaying the latter on an oscilloscope. The intensity of the transmitted sound was determined by means of an optical installation. A schematic of the control path, associated electronics, and recording procedure for the determination of defects along

Card 1/2 UDC: 620.179.16

L 37140-66

ACC NR: AP6014417

a turbine blade cross section is presented (see Fig. 1).

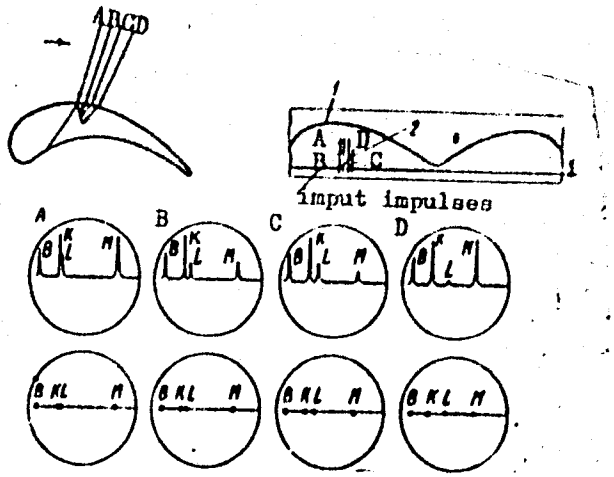

Fig. 1. Schematic for the oscillographic recording of defects in the cross section of turbine blades.

A photograph of the optical apparatus for the measurement of the intensity of the transmitted sonic beam is also presented. It is concluded that the device is capable of scanning a turbine vane cross section in about 3--5 minutes. Orig. art. has: 4 figures.

Nondestructive testing

SUB CODE: 11/0 / SUBM DATE: 26Jun65/ ORIG REF: 002

Card 2/2 af

TIKHOV, G.; TARARUKHIN, A., redaktor; IGNAT'YEVA, A., tekhnicheskiy redaktor

[Possibility of life on other planets] Est' li zhizn' na drugikh planetakh? [Moskva] Moskovskii rabochii, 1956. 62 p. (MLRA 10:4)
(Life on other planets)

TARARUKHIN, A., red.; LIL'YE, A., tekhn.red.

[Moscow Province,a decorated province] Moskovskaia ordenonosnaia oblast'. [Moskva] Mosk. rabochii, 1958. 213 p. (MIRA 11:5)
(Moscow Province--Economic conditions)

TIKHOV, Gavriil Andrianovich, akademik; TARARUKHIN, A., red.; YEGOROVA, I., tekhn.red.

[Is there life on other planets] Est' li shizn' na drugikh planetakh? Izd.2., dop. Moskva, Mosk.rabochii, 1959. 70 p. (MIRA 12:11)

1. Chlen-korrespondent Akademii nauk SSSR; Akademiya nauk Kazakhskoy SSR (for Tikhov).

(Life on other planets)

GAGARIN, A.; KHMEL'NOY, I.; TARARUKHIN, A., red.; PAVLOVA, S., tekhn.red.

[Toward new frontiers for state and collective farms in the vicinity of Moscow] K novym rubezham sovkhozov i kolkhozov Podmoskov'ia. Moskva, Mosk.rabochii, 1960. 82 p. (MIRA 13:9)
(Moscow Province--Agriculture)

KOROLEV, Vladimir Pavlovich; TARARUKHIN, A., red.; SHLYK, M., tekhn. red.

[Under new conditions]V novykh usloviiakh. Moskva, Mosk. rabochii 1961. 50 p. (MIRA 15:12)
(Moscow Province—Agriculture)

KORNBLYUM, Abram Emmanuilovich; TARAKUKHIN, A., red.; SHLYK, M., tekhn. red.

[Golden floodlands; notes on the reclamation of the Yakhroma Valley swamps] Zolotaia poima; zametki ob osvoenii IAkhromskoi poimy. Moskva, Mosk. rabochii, 1961. 82 p. (MIRA 15:1)
(Yakhroma Valley--Alluvial lands)

PODEL'SHCHIKOV, Grigoriy Vasil'yevich; TARARUKHIN, A., red.; KUZNETSOVA, A., tekhn. red.

[The will and labor work wonders] Volia i trud divnye vskhody daiut. Moskva, Mosk.rabochii, 1961. 61 p. (MIRA 14:12)

1. Predsedatel' Moskovskogo oblastnogo Soveta professional'nykh soyuzov (for Podel'shchikov).
(Labor and laboring classes)

KHMEL'NOY, Ivan Georgiyevich; TARARUKHIN, A., red.; SHLYK, M., tekhn.red.

[Make every hectare of land fertile] Bogatym sdelat' kazhdyi gektar zemli. Moskva, Mosk.rabochii, 1961. 63 p.

(Agriculture) (MIRA 14:6)

TARARUKHIN, A., red.; SHLYK, M., tekhn. red.

[With inspiration and fervor] Vdokhnovenno, s ogon'kom! Moskva, Mosk. rabochii, 1962. 215 p. (MIRA 15:6)
(Labor and laboring classes)
(Socialist competition)

TARARUKHIN, A., red.; POKHLEBKINA, M., tekhn. red.

[The guards of the builders of communism] Gvardiia stroitelei kommunizma. Moskva, Moskovskii rabochii, 1963. 222 p. (MIRA 16:12)
(Moscow--Socialist competition)

UTEKHIN, Sergey Georgiyevich; TARARUKHIN, A., red.

Viktor Talalikhin. 2. izd., dop. i utochnennoe. Moskva, Mosk. rabochii, 1965. 261 p. (MIRA 18:4)

KOZLOV, Genrikh Fedorovich; TARARUKHIN, A., red.

[The Moscow experiment] Moskovskii eksperiment. Moskva, Mosk. rabochii, 1965. 79 p. (MIRA 19:1)

TARABUKHIN, I.I.

Temperatura golovok, porshnei, sedel i klapanov vykhlopa aviadvigatelia. (Tekhnika bozdushnogo flota, 1937, v.11, no.7, p.63-70, illus.)

Title tr.: Temperatures of cylinder heads, pistons, valve seats and exhaust valves of an aircraft engine.

TL504.T4 1937

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

TARARYKO, PETR MIKHAYLOVICH.

N/5
735.1
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Ekonomika organizatsiya i planirovaniye ugol'noy promyshlennosti; sbornik primerov i zadach (Economics, Organization and Planning of the Coal Industry; Collection of Examples and Problems) Moskva, Ugletekhizdat, 1955.
127 p. diagrs., tables.
"Ispol'zovannaya literatura": :. (126)

TARAKYKO, Petr Mikhaylovich; CHERENKOV, N.V., redaktor; FEYTEL'MAN, N.G., redaktor; ALADOVA, Ye.I., tekhnicheskiy redaktor; KOROVENKOVA, Z.A., tekhnicheskiy redaktor

[Economics, organization, and planning of the coal industry; collection of examples and problems] Ekonomika, organizatsiia i planirovanie ugol'noi promyshlennosti; sbornik primerov i zadach. Moskva, Ugletekhizdat, 1955. 127 p. (MLRA 8:11)
(Coal mines and mining)

TARARYKO, P. inzhener

Spare bench in a steep longwall. Mast. ugl. 4 no.4:15 Ap '55.
(Kadiyevka--Coal mines and mining) (MLRA 8:6)

LOMOV, I.Ye., dotsent; TARARYKO, P.M.; LESNYKH, V.A., gornyy inzh.

Examples and problems on organization and planning. Ugol' Ukr. 7 no.11:55-56 N '63. (MIRA 17:4)

GOGOLIDZE, A.S.; OGNEV, G.I.; FRIDMAN, L.Yu.; BUYDENKO, P.A.; LESNYKH, V.A., TARARYKO, P.M.; YURILIN, G.M.

Making 541 m. of crosscuts in one month. Ugol' 40 no.12: 17-19 D '65. (MIRA 18:12)

1. Shakhta im. XXII s"yezda KPSS tresta Kadiyevugol' (for Gogolidze, Ognev, Fridman). 2. Trest Kadiyevugol' (for Buydenko). 3. Kadiyevskiy filial Kazakhskogo gorno-metallurgicheskogo instituta (for Lesnykh, Tararyko, Yurilin).

ZHELTONOZHKO, Yu.V., gornyy inzh.; KIL'CHINSKIY, M.V., gornyy inzh.; LESNYKH, V.A., gornyy inzh.; OPYTOV, V.P., gornyy inzh.; TARARYKO, P.M., gornyy inzh.; YURILIN, G.M., gornyy inzh.

Mine filling ZU-1 units in mines of the "Kirovugol'" Trust. Ugol' Ukr. 9 no.12:35-36 D '65. (MIRA 19:1)

1. Kadiyevskiy obshchestvennyy nauchno-issledovatel'skiy gornyy institut.

TARAKYKOV, G.M.

Absorption capacity of an alcohol scrubber. Spirt.prom. 26 no.7:9-12 '60. (MIRA 13:10)
(Distillation apparatus) (Alcohol)

TARARYKOV, G.M.

Investigating the performance of the wetted-wall condenser-type alcohol collector. Spirt. prom. 28 no.7:7-11 '62.
(MIRA 17:2)

TARARYKOV, G.M.; SAZONOVA, Ye.A.

Use of brewery wastes for the production of fodder terramycin.
Ferm.i spirt.prom. 31 no.1:31-33 '65.

(MIRA 18:5)

1. Voronezhskiy tekhnologicheskiy institut.

FEDOROV, A.F.; TARARYKOV, G.M.; FARADZHEVA, Ye.D.; CHUVASHEVA, K.K.

Preparation of a submerged culture of Aspergillus oryzae for brewing. Ferm. i spirt. prom. 31 no.7:15-17 '65.

(MIRA 18:11)

1. Voronezhskiy tekhnologicheskiy institut.

SOV/65-59-8-14/14

AUTHORS: Lysenko, T. D.; Malanicheva, V. G.; Ogareva, N. V.; Tararyshkin, M. Ye.; Tugolukov, V. M. and Shchetsko, M. I.

TITLE: A More Accurate Definition of the Volume Calcium Hydride Method for Determining the Water Content in Fuels. (Utochneniye ob"yemnogo gidridkal'tsiyevogo metoda opredeleniya soderzhaniya vody v toplivakh).

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1959, Nr.8. pp. 71 - 72. (USSR).

ABSTRACT: Experiments were carried out to compare different variations in the V-method and P-method for measuring the pressure of hydrogen separated during the interaction of calcium hydride and water. The following types of apparatus were used: V-method: apparatus by V. M. Tugolukov and the one designed by VNII NP and the Institute im. P. I. Baranov; P-method: apparatus by T. D. Lysenko and the device designed by the Institute of Petroleum, AS USSR (Institut Nefti AN SSSR). The time required for testing various synthetic mixtures as listed in Table 1 varied between 3 - 4 hours. Various modifications of the VNII NP device and the apparatus designed by the Institute im. P. I. Baranov are suggested (Fig.1). The accuracy of the new apparatus for the V-method was tested and

Card 1/2

SOV/65-58-3-14/14

A More Accurate Definition of the Volume Calcium Hydride Method for Determining the Water Content in Fuels.

results of parallel tests on the older and modified apparatus given in Table 2. The new method was accepted by the USSR Standard Committee (Komitet standartov mer i izmeritel'nykh priborov pri Sovete ministrov soyuza SSR) as the Standard GOST 3237-57. There is 1 Figure, and 3 Tables.

1. Fuels--Moisture content 2. Calcium hydride--Chemical reactions
3. Water--Chemical reactions 4. Fuels--Testing equipment

USSR

Card 2/2

34990

S/081/62/000/003/070/090
B149/B101

11.0132

AUTHORS: Tereshchenko, Ye. N., Tarasyshkin, M. Ye., Turov, A. I., Zrelov, V. N., Baranov, B. N.

TITLE: Thermal stability and corrosive activity of sulfur-containing fuels at elevated temperatures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 489, abstract 3M193 (Sb. "Khimiya seraorgan. soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh. v. 4"., M., Gostoptekhizdat, 1961, 231 - 235)

TEXT: The following fuels were investigated: standard TS-1 (TS-1), TS-1 purified by hydrotreating, TS-1 with high mercaptan content, and a T-2(T-2) type fuel from a wide fraction containing components of thermal cracking. The thermal stability and corrosive activity of the sulfur-containing fuels were studied under static conditions in a bomb; and also when the fuel was pumped through a filter and through an actual fuel system of a motor. It was shown that of the fuels investigated, T-2 containing cracking components and TS-1 with a high mercaptan content had the lowest thermal stability at

Card (1/2)

S/081/62/000/003/070/090
B149/B101

150°C. Pumping of these fuels at the temperature mentioned results in rapid clogging of the filter and is accompanied by the formation of a deposit on the fuel-utilizing components of the unit. TS-1 with a high content of mercaptans (0.032%) had the highest corrosive activity; T-2 had low corrosive activity . TS-1 purified by hydrotreating had the best thermal stability and insignificant corrosive activity. It was shown that hydrotreating during the production of fuels of the TS-1 type resulted in considerably higher thermal stability and in lowered corrosive activity of fuels obtained from Eastern petroleums. [Abstracter's note: Complete translation.]

Card 2/2

ACC NR: AT6015198 (A,N) SOURCE CODE: UR/0000/66/000/000/0069/0086

AUTHOR: Rybakov, P. A.; Teraryshkin, M. Ye.

ORG: none

TITLE: Methods of evaluating fuel losses from evaporation in aircraft tanks

SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i smazochnykh materialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 69-86

TOPIC TAGS: petroleum fuel, vaporization, aircraft fuel tank ~~mathematic prediction~~

ABSTRACT: Evaluation of various laboratory methods as well as of calculation methods for determining fuel losses due to evaporation in the tanks of aircraft is presented. Tests showed that errors in fuel loss determinations on laboratory apparatus employing vibration of fuel and on equipment simulating the fuel system of aircraft do not exceed ± 1.2% (absolute difference). More complete evaluation can be conducted in the simulative equipment, but it does require a larger amount of fuel

Card 1/2

UDC: 662.753.22:629.13.001.4

ACC NR: AT6015198

and dry ice. The same small degree of error was encountered in determining fuel loss from evaporation during flight in comparing samples of fuels taken from the aircraft tanks before and after flight. Based on experimental data, a nomograph was constructed for determining fuel losses based on actual pressure of saturated fuel vapors before flight and pressure in the tanks during flight. The absolute error of determinations according to the nomograph also does not exceed ± 1.2%. Orig. art. has: 10 figures, 5 tables amd 3 equations.

SUB CODE: 21/ SUBM DATE: 10Dec65/ ORIG REF: 002

Card 2/2 LC

L 02300-67 EWT(m)/T FDN/WW/WE/GD (A,N) SOURCE CODE: UR/0000/66/000/000/0061/0068

ACC NR: AT6015197

42
41
B+1

AUTHOR: Teraryshkin, M. Ye.; Chechkina, O. M.

ORG: none

TITLE: Determining the pressure of saturated fuel vapors on a membrane apparatus

SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i smazochnykh materialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 61-68

TOPIC TAGS: petroleum fuel, vapor pressure, FUEL TEST

ABSTRACT: A steel apparatus with a metallic membrane for measuring pressure was adapted for use with hydrocarbon fuels of complex chemical composition (see Fig. 1). It was found that the membrane apparatus is sufficiently accuracte for determining the pressure of saturated fuel vapors in the wide temperature renge from 20 to 350-400°C. Reproducibility of results was satisfactory. Pressure of vapors of degassed and of non-degassed fuel samples can be measured. The pressure of the saturated fuel vapor increased when air was dissolved in the fuel.

UDC: 662.753.22:629.13.001.4

Card 1/3

L 02300-67
ACC NR: AT6015197

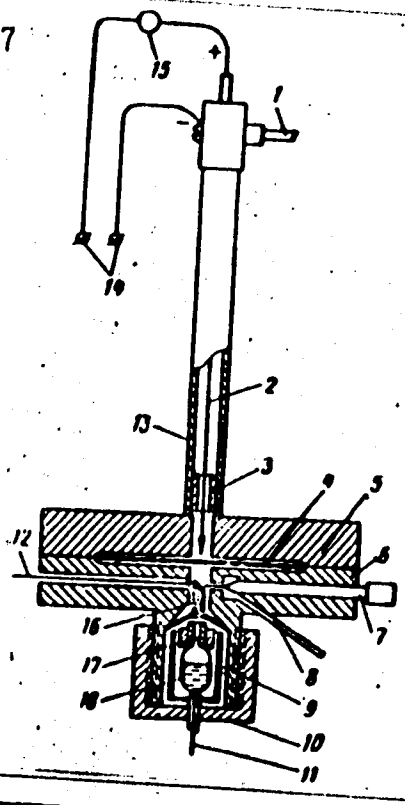


Fig. 1. Diagram of reactor: 1--pipe connecting op section of reactor with nitrogen tank and vacuum pump, 2--contact needle, 3--quartz insulator, 4--steel membrane, 5--top section of vessel, 6--lower section of vessel, 7--shut-off needle with thread, 8--pipe for evacuating air from lower reactor cavity, 9--steel container, 10--lock nut, 11,12--thermocouples, 13--steel pipe, 14--6 v power supply, 15-- 6 v electric signal bulb, 16,17--device for breaking ampoule, 18--ampoule.

Card 2/3

ACC NR: AT6015197

The authors thank A. M. Maslennikov for consultation (on the construction of the membrane apparatus). Orig. art. has: 3 tables and 3 figures.

SUB CODE: 21, 14/ SUBM DATE: 10Dec65/ ORIG REF: 002/

Card 3/3 VMB

L 02306-67 EWT(m)/T WE/GD

ACC NR: AT6015193 (A,W) SOURCE CODE: UR/0000/66/000/000/0038/0045

AUTHOR: Tararyshkin, M. Ye.; Zaloga, B. D.

ORG: none

TITLE: Method for evaluating the thermal stability of fuels under dynamic conditions

SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i smazochnykh meterialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 38-45

TOPIC TAGS: petroleum fuel, fuel thermal stability, fuel deposit formation, fuel corrosiveness, fuel and lubricant additive, petroleum refining

ABSTRACT: The method worked out for evaluating the thermal stability of fuels comprises injecting the fuel heated to the desired temperature through a filter simulating the operation of the fuel filter of an engine. Measurement of the pressure drop through the filter as its pores become plugged with deposits of insolubles formed by thermal decomposition of the fuel gives an accurate determination of the thermal

Card 1/2

UDC: 662.753.22:629.13.001.4

L 02306-67

ACC NR: AT6015193

stability of the fuel. A fuel causing no essential pressure drop after 5 hours in the test equipment is considered heat stable. Corrosiveness of the fuel is determined by change in weight of metal strips immersed in the heated fuel for a given time. Method-confirming tests were run with standard fuels T-1" and TS-1" and with T-1 purified by H_2SO_4 treatment and T-1 with deposit-preventing additives. Orig. art. has: 8 figures.

SUB CODE: 21 / SUBM DATE: 10Dec65

Card 2/2

AUTHOR: [illegible]5196 EDN/WE/GD (A,N)

Tarasyshkin, M. Ye.

ORG: none

SOURCE CODE: UR/0000/66/000/000/0056/0060

TITLE: Determining the volatility of hydrocarbon fuels at low pressures

30

B+1

SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i smazochnykh materialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 56-60

TOPIC TAGS: petroleum fuel, vaporization, low pressure

ABSTRACT: A laboratory method was worked out for evaluating the volatility of fuels at 200-250°C at pressures below atmospheric. Essentially the weight of the fuel evaporated from the sample into a speciel container is determined under the given test conditions as shown in Fig. 1. It was verified that the method is applicable to fuels of different fractional compositions--T01, TS-1 and naphtha fractions. Orig. art. has: 2 tables, 1 figure and 1 equation.

Card 1/2

UDC: 662.753.22:629.13.001.4

L 02301-67

ACC NR: AT6015196

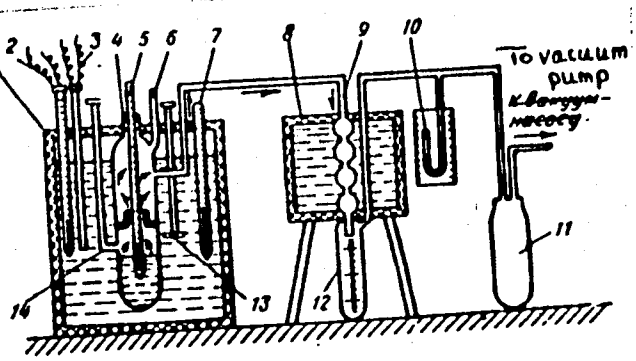


Fig. 1. Diagram of laboratory apparatus for determining volatility of fuels: 1--liquid thermostat, 2--contact thermometer, 3--electric heater, 4--evaporative vessel, 5,7--mercury thermometer, 6--tube for attaching manometer, 8--cooler for condenser, 9--condenser, 10--mercury manometer, 11--surge vessel, 12--measuring cylinder, 13--agitator, 14--tube for pouring fuel into vessel.

SUB CODE: 21/ SUBM DATE: 10Dec65

Card 2/2 vmb

L 02302-67 EWT(m)/T WW/WE/GD

ACC NR: AT6015195 (A,N) SOURCE CODE: UR/0000/66/000/000/0050/0055

AUTHOR: Tararyshkin, M. Ye.; Chechkina, O. M.

ORG: none

TITLE: Determination of the pressure of saturated hydrocarbon fuel vapor

SOURCE: Metody otsenki eksplustatsionnykh svoystv reaktivnykh topliv i smazochnykh materialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 50-55

TOPIC TAGS: petroleum fuel, vapor pressure

ABSTRACT: A tensimeter was adapted for use in determining vapor pressure of saturated hydrocarbon fuels (see Fig. 2). This modified tensimetric method was found to be sufficiently accurate at maximum vapor pressures not exceeding 2 kg/sq cm. The deviation among determinations also exceeds 2% when the vapor pressures are very low (at temperatures below 20°C). Orig. art. has: 3 tables, 2 figures and 1 equation.

Card 1/2 UDC: 662.753.22:629.13.001.4

L 02302-67

ACC NR: AT6015195

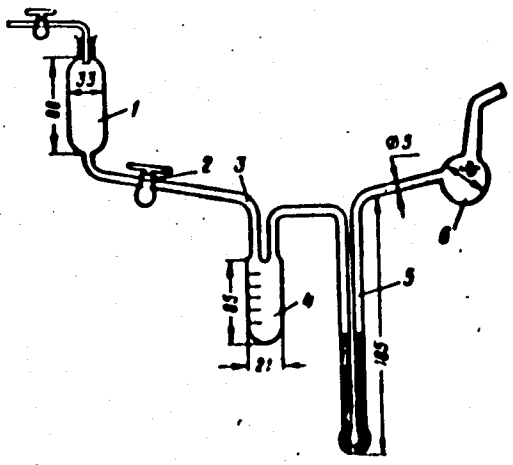


Fig. 2. Diagram of glass apparatus (tensimeter) for determining pressure of saturated fuel vapors: 1--funnel for pouring fuel into the working container, 2--2-way stopcock, 3--place for sealing, 4--working container, 5--monometer tube, 6--spherical container for mercury.

SUB CODE: 21, 14/ SUBM DATE: 10Dec65/ ORIG REF: 003

Card 2/2 vmb

L 20355-65 EWT(l)/EWT(m)/EPF(n)-2/EPR/T-2/EWP(t)/EPA(bb)-2/EWP(b) Ps-4 IJP(c)/
AEDC(a)/ASD(a)-5/AFETR/ESD(ga)/ESD(t) JD
ACCESSION NR: AP4049079 S/0136/64/000/011/0090/0092

AUTHOR: Rogozinskiy, A.A., Makarov, G.S., Mishchenko, V.D., Tarary*shkin, V.I.

TITLE: Use of an electromagnetic pump in the preparatory casting of magnesium alloys

SOURCE: Tsvetny*ye metally*, no. 11, 1964, 90-92

TOPIC TAGS: electromagnetic pump, magnesium alloy, nonmetallic impurity, flux enclosure, centrifugal pump, magnesium casting

ABSTRACT: In order to obtain magnesium alloy ingots with fewer impurities, mechanical action on the melt and its uptake of oxygen from the air have to be avoided. This may be accomplished by moving the melt from the mixer tank to the mold by electromagnetic means, thus providing a closed transit to the mold without mechanical disturbance of the melt. In the present paper, a laboratory apparatus is illustrated and described (see Fig. 1 of the Enclosure) for moving such melts by either centrifugal or electromagnetic means, making possible comparison of the results in the templets; with the latter method, these showed greatly increased purity of the metal (e.g. 0.04 as against 2.13% impurities) and only one case of non-metallic inclusion in 54 templets, compared to 5 in 37 templets using a centrifugal pump. Flux inclusions were rarely seen. Besides, the new method avoids

Card 1/2

L 20355-65
ACCESSION NR: AP4049079

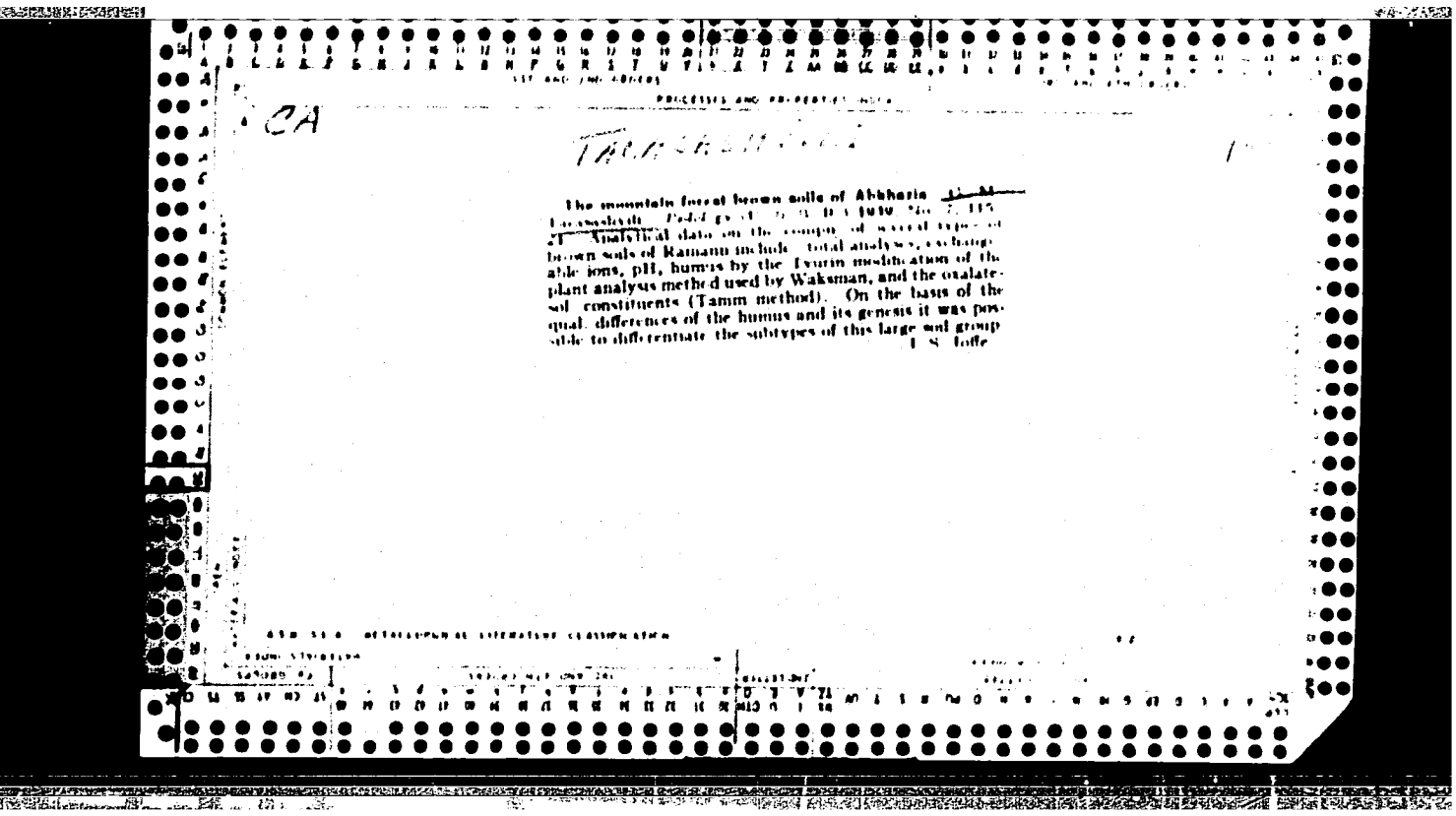
the vibratory noise, thus improving working conditions. Constancy of the level of the metal in the crystallizer was easily maintained. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 01 SUB CODE: MM, EM

NO REF SOV: 002 OTHER: 000

Card 2/3



The mountain forest brown soils of Abkhazia [illegible]
[illegible] Analytical data on the [illegible] of several types of brown soils of Ramann include total analyses, exchangeable ions, pH, humus by the Tyurin modification of the plant analysis method used by Waksman, and the oxalate-soil constituents (Tamm method). On the basis of the qual. differences of the humus and its genesis it was possible to differentiate the subtypes of this large soil group
I. S. Ioffe

TARASASHVILI, G.M.; TALAKHADZE, G.R., redaktor; BAKRADZE, D.S., redaktor izdatel'stva; TODUA, A.P., tekhnicheskiy redaktor

[Soils of mountain forests and mountain meadows in eastern Georgia] Gorno-lesnye i gorno-lugovye pochvy vostochnoi Gruzii. Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1956. 152 p. (MLRA 10:2)
(Georgia--Soils)

COUNTRY : USSR
CATEGORY : Soil Science. Tillage. Improvement. Erosion. 3

ABS. JOUR. : Referat. Zh., No. 5 1959. No. 16735

AUTHOR : Tsereteli, G. N.
INST. : Institute of Forests, AS Georgian SSR
TITLE : Materials on the Study of the Influence of Selective Cuttings of Different Intensity on the Water Conditions and Occurrence of Erosion in Pine Plantations.

ORIG. PUB. : Tr. In-ta lesa. AN GruzSSR, 1957, 7, 19-25

ABSTRACT : Work was conducted in the pine plantations of Gorodskiy leskhoz of the Institute of Forests, AS Georgian SSR. On the territory Atenskoye Ushchel'ye (altitude above sea level ~ 1900 meters), the wooded character of the territory explains the primarily ground character of the regime of the surface run-off. 60-70 year old pine plantations perceive precipitation in the range of 18-2[illegible]. The greatest amount of surface run-off, loss of fine textured soil and gravel are observed on clear forest cuttings, then in thinned-out plantations, young growth and under the crown over-

Card 1/2

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: growth. The most favorable physical properties are in soils under closed pine plantations. -- I. V. [illegible]

52

TARASASHVILI, G.M.; LATARIYA, V.N.

Effect of field crops and grassland mixtures on the structural changes of compact brown soils in irrigated areas [with summary in English]. Pochvovedenie no.7:51-56 Jl '57. (MIRA 10:11)

1. Gruzinskiy sel'skokhozyaystvennyy institut, Tbilisi.
(Soil physics)

TARASASHVILI, G.M.; KASHIBADZE, T.K.

Effect of forest litter on the regeneration of hardwood plantations in eastern Georgia and methods of removing coarse litter. Trudy Inst. lesa AN Gruz. SSR 8:125-140 '58. (MIRA 12:10)
(Georgia--Forests and forestry)

TARASASHVILI, G.M.; KASHIBADZE, M.V.

Interchange of mineral substances between plants and soil in hardwood forests of eastern Georgia. Trudy Inst.lesa AN Gruz. SSR 11:65-76 '62. (MIRA 16:2)
(Georgia--Hardwoods) (Georgia--Forest soils)

TAMASASHVILI, I. P.

"Variations in the osculating major semiaxis of the orbit of a comet at a great distance from the solar system," Astron. Zhur., 16, No. 5, 1939

Report U-1518, 23 Oct 1951

TARASASHVILI, K.M.

Content of vitamin C in hay from high mountain plants. T. A. Kezeli and K. M. Tarasashvili (Inst. Botan. Acad. Sci. Georgia S.S[redacted]kiya *Akad. Nauk Gruzin. S.S.R.* **13**, 407-11(1952). -Vitamin C contents of 20 species of forage plants, freshly cut and after 7 months storage as hay, are tabulated. Plants were taken from 2 locations at altitudes of 1700 and 2500 m. Of 8 species sampled at both locations, the av. vitamin C contents [illegible] per 100 g. dry matter were: freshly cut from 1700 m., [illegible] fresh, cut from 2500 m., 517; hay from [illegible] [illegible] with high contents of vitamin C [illegible] from *Campanula [illegible]*, [illegible] and *[illegible]*. [illegible]

KANDELAKI,G.V.; KEZELI,T.A.; TARASASHVILI,K.M.

Vitamin content of some Georgian spice plants. Trudy Tbil.bot.inst. no.16:175-184 '54. (MLRA 8:11)
(Georgia--Spices) (Vitamins)