

KORTUS, J.

1. "Znanstveni Glasnik" (Scientific Journal), Vol. 1, No. 10, 1962. Copyright by the Publishing House of the Slovak Academy of Sciences (Vydavateľstvo Slovenskej akadémie vied), 1962.

2. "Znanstveni Glasnik" (Scientific Journal), No. 10, 1962. Copyright by the Slovak Academy of Sciences (Vydavateľstvo Slovenskej akadémie vied), 1962.

3. "Analysis of the sphincter contraction into the functional spinal segments," by J. KORTUS of the Neurophysiological Section, Institute of Experimental Medicine (old name: Institute of Physiology) of the SAV, Bratislava, Slovakia; English summary, pp. 305-306.

4. "Conditioning of the sphincter contraction under the effect of short-acting hypnosis," by O. STANČEK, B. HORNAN, V. JEDLIČKA, J. KORTUS, and R. KONEC. From the Neurophysiological Section, Institute of Experimental Medicine (old name: Institute of Physiology) of the SAV, Bratislava, Slovakia; English summary, pp. 307-308.

5. "The release thresholds of spreading depression in the lysosomal brain of some pyrogenic species," by J. KORTUS and D. ZACHAROVA. Department of Neurophysiology, Institute of Experimental Medicine (old name: Institute of Physiology) of the SAV, Bratislava, Slovakia; English summary, pp. 309-310.

6. "The conditioning of the vasoconstriction in the acral regions of the skin produced by a single deep breath," by J. KORTUS and R. KONEC. From the Neurophysiological Section, Institute of Experimental Medicine (old name: Institute of Physiology) of the SAV, Bratislava, Slovakia; English summary, pp. 311-312.

7. "Development of the basic problems of aviation and space medicine," by J. KORTUS, A. BARTIŠKA, and O. STANČEK. From the Physiological Department (old name: Institute of Physiology) of the Medical Faculty of Comenius University in Bratislava, and from the Physiological Department of the Human-Environment Research Institute in Bratislava (see No 3); pp. 313-314.

278

DIBAK, O.; BUCKO, A.; KORTUS, J.; KOTULIAK, V.; technicka spolupraa:  
SPUSTOVA, D.; CHOBOTOVA, M.; BARUSIK, I.

Protective diets and metabolism of some elements in subjects exposed  
to fluorine ions. Bratisl. Lek. Listy 43 no.2:77-88 '62.

1. Z Ustavu pre vyskum vyzivy l'udu v Bratislave, riaditel' MUDr.  
A. Bucko, C. Sc.

(FLUORINE toxicol) (ALUMINUM metab)  
(CALCIUM metab) (PHOSPHORUS metab) (DIETS)

SEVCENKO, V.B. [Shevchenko, V.B.]; POVICKIJ, N.S. [Povitskiy, N.S.];  
SOLOVKIN, A.S.; KORTUS, J. [translator]

Some peculiarities in processing the burnt out fuel elements  
from the first atomic power plant in the Soviet Union. Jaderna  
energie 4 no.11:342-344 N '58.

KORTUS, J.

"Uranium production technology" by Ch. Harrington and A.E. Ruchle.  
Reviewed by J. Kortus. Jaderna energie 8 no.3:108 Mr '62.

DIBAK, O.; BROZMAN, B.; KOTULIAK, V.; KORTUS, J.; NEMEC, R.; Technicka spolupraca SPUSTOVA, D.; CHOBOTOVA, M.

Conditioned reflex changes in the glycode metabolism in hypotension of short duration. Bratisl. lek. listy 42 no.10:594-602 '62.

1. Z fyziologickeho oddelenia Ustavu pre vyskum vyzivy ludu v Bratislave, riaditel MUDr. A. Bucko, C. Sc., a z Fyziologickeho ustavu Lek. fak. Univ. Komenskeho v Bratislave, veduci clen koresp. Slovensky akademie vied J. Antal, Dr.Sc.

(REFLEX CONDITIONED) (CARBOHYDRATES metab)  
(ATMOSPHERIC PRESSURE)

KORTUS, J.; DIBAK, O.; KOTULIAK, V.; Technicka spolupraca:  
SPUSTOVA, D.; CHOBOTOVA, M.; BABUSIK, I.

Effect of various nutritional factors and fluorine ions on  
aluminum retention in bony tissue of rats. Cesk. gastroent.  
vys. 17 no.4:202-212 Je '63.

1. Fysiologicke oddelenie Ustavu pre vyskum vyzivy ludu v  
Bratislave, riaditel MUDr. A. Bucko, CSc.  
(DIET) (BONE AND BONES) (ALUMINUM)  
(FLUORINE) (VITAMIN D)

JAVORSKY, A.; DIBAK, O.; KORTUS, J.

Effect of partial hepatectomy on glycide metabolism in rabbits.  
Bratisl. lek. listy 44 no. 1: 8-14 '64.

1. Statne sanatorium v Bratislave (riaditel: MUDr. J. Rusnak, C.Sc.)  
a Fyziologicke oddelenie Vyskumneho ustavu vyzivy ludu v  
Bratislave (riaditel: doc. MUDr. O. Bucko, C.Sc.).

KORTUS, J.

"Equilibriums in liquid extraction" by T.Micek, V.Rod,  
Z.Sterbacek. Reviewed by J.Kortus. Jaderna energie 10  
no.11:426 N '64.



KORTUS, J.; DIBAK, O.; KOTULIAK, V. Technicka spolupraca: HRADSKA, M.;  
BABUSIK, I.

Calcium and phosphorus metabolism in fluoridated rats under the  
influence of large doses of vitamins and calcium. Cesk. hyg. 10  
no.1:1-9 F '65

1. Fyziologicke oddelenie Ustavu pre vyskum vyzivy ludu, Bratislava.

CZECHOSLOVAKIA

KORTUS, J; DIBAK, O; KOTULIAK, V.

Physiological Department of the Institute for Nutritional  
Research (Fyziologicke oddelenie Ustavu pre vyskum  
vyzivy L'udu), Bratislava (for all)

Prague, Ceskoslovenska Hygiena, No 1, 1965, ppl-8

"Calcium and Phosphorus Metabolism in Fluoridated Rats  
under the Influence of Large Doses of Vitamins and  
Calcium."

L 33655-66

ACC NR: AP6025021

SOURCE CODE: CZ/0049/66/000/001/0033/0038

AUTHOR: Kortus, Jozef--Kortus, Jozef (Engineer; Candidate of sciences; Bratislava) <sup>38</sup> B

ORG: Research Institute for Popular Nutrition, Bratislava (Vyskumny ustav vyzivy ludu)

TITLE: Influence of increased administration of aluminum and fluorine ion upon the level of aluminum in organs

SOURCE: Biologia, no. 1, 1966, 33-38

TOPIC TAGS: rat, biochemistry, ion concentration, drug effect, biologic metabolism, radiation biologic effect

ABSTRACT: The author conducted experiments with 25 male rats to which 50 mg of Al per day and 1 mg of F per day were administered. Average weight of the rats was 250 g. Aluminum was administered in the form of aluminum sulfate, fluorine as NaF. The animals were fed with 20 g / day of Larsen's diet. Al caused decrease in body weight and a decrease in the weight of nearly all the organs; the accumulation of Al in the organs and body tissues occurs at the same time. Highest accumulation and greatest loss of weight were found in the liver, brain, and testes. Administration of 1 mg/day of F ion did not cause noticeable changes; when F was administered to animals receiving increased amounts of Al the excretion of Al from the organs of the animals was increased significantly. Orig. art. has: 2 figures and 2 tables. [JPRS: 35,348]

SUB CODE: 06 / SUBM DATE: 18Jun65 / ORIG REF: 007 / OTH REF: 008 / SOV REF: 002  
LS  
Card 1/1

0976  
0915

0216  
2637

KORTUSOV, A.P.

The self-propelled pile driver mounted on the ChTZ-60 tractor.  
Avt.dor.18 no.5:26-27 S'55. (MLRA 9:1)  
(Piling (Civil engineering))

KORTUSOV, A.P.

← Bridges designed by N.A.Solvinski. Avt.dor. 23 no.3:24 Hr '60.  
(MIRA 13:6)  
(Soviet Far East--Bridges--Foundations and piers)

KORTUSOV, A.P.

Practice in rebuilding bridges by the road maintenance and  
repair units. Avt. dor. 27 no.9:13 8 '64.

(MIRA 17:11)

KORTUSOV, M.P.

Kiik gabbro-syenite intrusive complex in the Mariinskaya taiga  
(Kuznetsk Alatau). Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR  
no.33:78-91 '63. (MIRA 17:11)

KORTUSOV, M.P.

Nepheline syenite of the upper Toydon Valley (massif of Mount  
Pestraya). Mat.po geol.Zap.Sib. no.64:151-160 '63. (MIRA 17:4)



VRUBLEVSKIY, V.A.; KORTUSOV, M.P.

Nepheline syenite of the right bank of the Kiya River at  
Gavrilovki. Mat.po geol.Zap.Sib. no.64:193-201 '63. (MIRA 17:4)

KORTUSOV, M.P.; KUZOVATOV, N.I.; DEKHTYAREVA, L.V.

Alkali intrusion rocks in the Udarnyy mine region. Mat.po  
geol.Zap.Sib. no.64:201-215 '63. (MIRA 17:4)

KORTVELYESI, A.

"Alfred Ballo's A Gepjarmugyatas Es Javitas Technologiaja (Technology of Manufacturing and Repairing Motor Vehicles); A Book Review", P. 117, (KOZLEKEDÉSTUDOMÁNYI SZEMLE, Vol. 4, No. 3, Mar. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

SUB CODE: 13/SUBM DATE: 18Jan66/ORIG REF: 004/OTH REF: 026/  
Card 1/1 UDC: 536.53:546.3-19'78'719

[KS]

EBERL, Gusztav; KORTVELY, Csaba

We are saving 80 thousand forints a year. Munka 14 no.3:  
17 Mr '64.

1. Goldberger Textilmuvek "Kando Kalman" szocialista brigadja.

CSURGAI, Lajos; KORIVELYES, Istvan

Chemicalization in agriculture. Elet tud 17 no. 16:503-506  
22 Ap '62.

KORTVELYESSY, László, fizikus

Diminution of the swinging amplitude of the two-position temperature control. Meres automat 10 no.6:176-181 '62.

1. Egyesult Izzo.

KORTVELYESY, Laszlo, dr., egyetemi adjunktus

Cysters. Elet tud 19 no.51:2432-2435 18 D '64.

KORTVELYESSY, Laszlo

Control of temperature distribution inside a tubular furnace.  
Meres automat 13 no.2/3:93-97 '65.

1. United Incandescent Lamp and Electricity Company, Budapest.



KORTVELEYESSY, Iaszlo, dr.

How is a fish born? Elet tud 20 no.14:657-661 9 Apr '65.

AHLERS, I.; KORTVELYESSY, S.; MATEJKA, J.; SCHEIDOVA, L.; SCHEIDA, N.;  
SZABO, T.

Diagnostic importance of the intravenous tolbutamide test.  
Cas. lek. cesk. 103 no.37:1022-1025 11 S '64.

1. Interne oddelenie vojenskej nemocnice v Kosiciach, (veduci  
MUDr. J. Matejka); Centralne laboratorium vojenskej nemocnice  
v Kosiciach (veduci MUDr. S. Kortvelyessy) a Infekcne oddelenie  
Fakultnej nemocnice v Kosiciach (veduci MUDr. T. Mittermayer).

AHLERS, I.; SCHEIDA, N.; KORTVELYESSY, S.; MATEJKA, J.; SZABO, T.

Diagnostic value of the intravenous tolbutamide test in kidney diseases. Cas. lek. Cesk. 104 no.49/50:1372-1374 10 D '65.

1. Interne oddelenie Vojenskej nemocnice v Kosiciach (veduci MUDr. J. Matejka) a Centralne laboratorium Vojerskej nemocnice v Kosiciach (veduci MUDr. S. Kortvelyessy).

Formalin, a.

"Formalin."

Chemik, Katowice, Vol 7, No 3, Mar. 1954, p. 74

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

EXCERPTA MEDICA Sec.16 Vol.6/5 Cancor May 1958

KORUCHKO, V.P.

1853. *Xanthine-oxidase of liver in normal and tumour-bearing rabbits (Russian text)* KORUCHKO V. P. Inst. of Biochem., Acad. of Sci. of the Ukrainian SSR, Kiev *Ukrainsk. Biokh. Zh.* 1956, 28/3 (310-316)

Based on his earlier findings (*Ukr. Biokh. Zh.* 1954, 26, 363) and on some of the literature data the author postulates a complex nature of xanthine-oxidase, which accords with current opinion on the polyvalent function of this enzyme. A method was worked out for obtaining xanthine-oxidase preparations free of aldehydrase and adenosine-oxidase activities from livers of normal and tumour-bearing rabbits. It was not possible to separate aldehydrase by this method. Purified xanthine-oxidase preparations are characterized electrophoretically as non-homogenous proteins which, in the author's opinion, supports his assumption of the complex nature of xanthine-oxidase. The isoelectric point of xanthine-oxidase is at pH 5.3, and the optimum activity on xanthine at pH 8.25-8.5. The enzyme preparations are generally stable, but those derived from liver of tumour-bearing animals are less stable at high temperatures.

Lebedeva - Moscow

KORVECKI, SANDET

✓ O Równaniach Teorii Ciężkich Powłok  
Sprężystych (On the Equations of the  
Theory of Thin Elastic Shells). Alex-  
ander Korvecki. Zica. Mech. Mosk-  
owskiej Warszawa, No 4, 1954, pp. 603-620.  
In Polish, with summaries in Russian and  
English. Generalization of the Novozhukov  
method of complex forces to shells  
in any orthogonal system of coordinates.

MM  
MM  
EJP  
JW

TOLEV, I.; KORUNOV, P.

~~Atabrin~~  
Atabrin in dermatological practice. Suvrem.med., Sofia 5 no.10:  
84-93 1954.

1. Iz Klinikata po kozhno-venericheski bolesti pri Meditsinskata  
akademija I. P. Pavlov, Plovdiv. (zav. katedrata: dots. B.Buchvarov)  
(QUINACRINE, therapeutic use,  
skin dis.)  
(SKIN, diseases,  
ther., quinacrine)

KORUEVA, L.

VRANSKI, V., dots.; IVANOV, Vl.; KASABOV, Iv.; MARINOV, V.; KORUEVA, L.

Experimental studies on the possibility of production of electrically induced sleep and of electrenarcosis; preliminary communication. Suvrem. med., Sofia 5 no.1:21-24 1954.

1. Iz Instituta po meditsinska fizika pri Meditsinskata akademii I.P.Pavlov, Plovdiv (direktor: dots. V.Vranski) i Klinikata po nervni bolesti pri Meditsinskata akademii V.Chervenkov, Sofiia (direktor: prof. G.Uzunov)

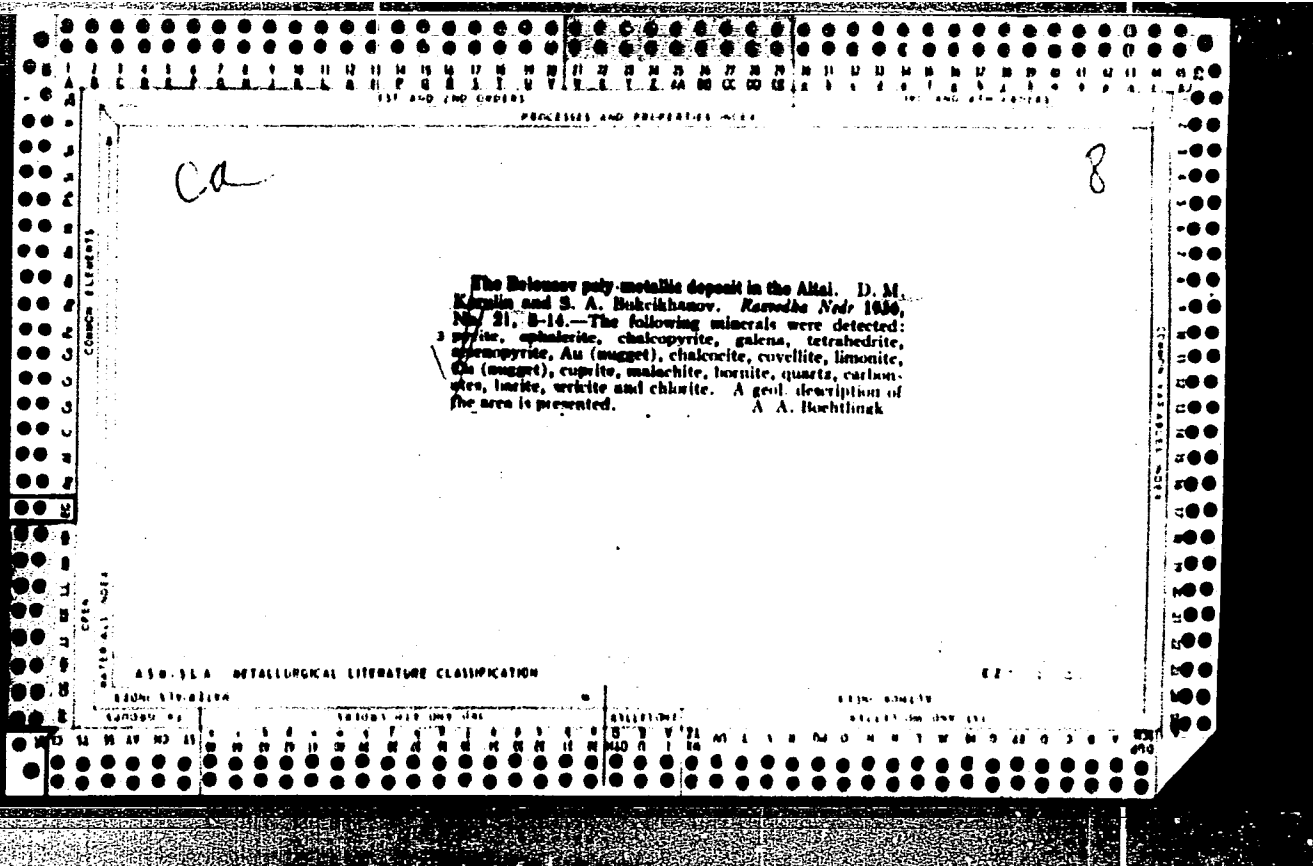
(SLEEP,

\*electric induction)

(ELECTRONARCOSIS,)

\*





Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,  
p 166 (USSR) 15-57-4-5254

AUTHOR: Korulin, D. M.

TITLE: New Sampling Pattern for Exploration of Unconsolidated Deposits (Novaya set' razvedochnykh vyrabotok dlya razvedki rossypey)

PERIODICAL: Uch. zap. Belorus. un-t, 1956, Nr 28, pp 164-169

ABSTRACT: The author has calculated the optimum density of sampling sites for the exploration of alluvial deposits in present river beds. He uses mathematical calculations worked out for small selected patterns. This method takes into account the amount of deviation from the norm in the investigated distribution (Gauss). It thus insures the necessary accuracy in analysis of total patterns. The method is based on the standard deviation of the calculated average of a

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## New Sampling Pattern (Cont.)

15-57-4-5254

small pattern (according to test data) from that of a total pattern.  
The standard deviation is:

$$t = \frac{\bar{x} - a}{\frac{\epsilon}{\sqrt{n}}} \quad \text{where } \bar{x} \text{ is the}$$

calculated average content of mineral resources based on exploration;  $a$  is the true average content of mineral resources;  $\epsilon$  is the error in determination of the average content;  $n$  is the number of samples included in the small pattern. Tables for the theory of error (V. I. Romanovskiy) show that  $t$  does not exceed a certain number of  $t_a$  and will be within the limits of  $-t_d < t < t_a$ . The absolute error of the calculated average content  $\epsilon = t_a \bar{\sigma} \sqrt{n}$ , where  $\bar{\sigma}$  is the average quadratic deviation of the calculated average content from the average arithmetical deviation (the standard deviation). The relative error (in percent) is determined according to the formula

$$P = \frac{\epsilon \cdot 100}{\bar{x}} ; \quad \text{the necessary number of samples } n = \frac{t_a^2 \cdot \bar{\sigma}^2}{\epsilon^2} .$$

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15-57-4-5254

New Sampling Pattern (Cont.)

The sampling pattern (see table) is obtained by calculating the arithmetical averages between the lines and between the samples along the lines for each separate type of deposit, taking the multiples into account. A sampling pattern calculated according to this method will give better characteristics of a given alluvial deposit and will insure the required detail.

Type of deposit	Dimensions	
	Length	Width in meters

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New Sampling Pattern (Cont.)

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Allowable errors at $\alpha = 0.95$		
15 percent	25 percent	40 percent
Categories of reserves		
A <sub>2</sub>	B	C <sub>1</sub>

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To card 6/6

KORULIN, D.M.

Characteristics of coal occurrences and geological criteria in prospecting for coal in the Pripet fault. Nauch.dokl.vys.shkoly: geol.-geog.nauki no.1:251-254 '53. (MIRA 12:2)

1. Belorusskiy universitet, geologo-geograficheskiy fakul'tet, kafedra geologii.

(Pripet Valley--Coal geology)

KORULIN, D.M.

Facies and coal occurrences in the Carboniferous formation  
of the Fripet graben. Izv.vys.ucheb.zav.; geol.i rasv. 2  
no.4:42-56 Ap '59. (MIRA 12:12)

1. Belorusskiy gosudarstvennyy universitet.  
(Fripet Valley--Coal geology)

KORULIN, D.M.

Lower boundary of the Vissean stage of the coal seam in the  
Pripet Graben. Dokl.AN BSSR 3 no.3:108-111 M- '59.  
(MIRA 12:8)

1. Predstavleno akademikom AN BSSR K.I.Lukashewym.  
(Pripet Valley--Coal geology)



KORULIN, D.M.

Prospects for finding large petroleum reserves in the White  
Russian Poles'ye., Dokl. AN BSSR 5 no. 2:77-80 F '61.  
(MIRA 14:2)

1. Belorusskiy gosudarstvennyy universitet im. V.I. Lenina.  
Predstavleno akademikom AN BSSR K.I. Lukashevym.  
(White Russia--Petroleum--Geology)

KORULIN, D.M.

Nature of the oil and gas potentials and the geotectonic prerequisites for searching for oil and gas in the area of the Pripet fault (White Russia). Izv. vys. ucheb. zav.; neft' i gaz, no.1:23-27 '61. (MIRA 15:5)

1. Belorusskiy gosudarstvennyy universitet imeni V.I. Lenina.  
(Pripet Valley--Petroleum geology)  
(Pripet Valley--Gas, Natural--Geology)

KORULIN, D.M.; GORELIK, Z.A., nauchn. red.

[Geology and minerals of White Russia] Geologiya i poleznye iskopaemye Bel'russii. Minsk, Izd-vo M-ve vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 119 p. (MIRA 12:5)

KORULIN D.M.

Trends in prospecting for oil and gas in White Russia. Sov.geol.  
5 no.8:140-144 Ag '62. (MIRA 15:9)

1. Belorusskiy gosudarstvennyy universitet.  
(Pripet Valley—Petroleum geology)  
(Pripet Valley—Gas, Natural—Geology)

KORULIN, Dmitriy Mikhaylovich; FURSENKO, A.V., retsenzent;  
ZAVRIYEV, V.G., prof., retsenzent; LITVINSKAYA, T.,  
red.

[Geology and minerals of the U.S.S.R.] Geologiya i poleznye  
iskopaemye SSSR. Minsk, Vysshaya shkola, 1965. 310 p.  
(MIRA 18:6)  
1. Chlen-korrespondent AN Belorusskoy SSR (for Fursenko).

ACC NR: AP6036810

SOURCE CODE: UR/0368/66/005/005/0586/0594

AUTHOR: Korunchikov, A. I.; Yankovskiy, A. A.

ORG: none

TITLE: Certain special features of the generation of a plasma and its spectra under the effect of laser radiation

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 5, 1966, 586-594

TOPIC TAGS: plasma, plasma jet, plasma generation, metal plasma, magnesium, aluminum, iron, copper, nickel, zinc, tin, lead, carbon, laser effect, laser spectroscopy, shock wave physics

ABSTRACT: An experimental study was made of the development of a plasma jet and its emission spectrum under the effect of laser radiation. Radiation from a 10-j solid-state GSI-1 laser was directed by dielectric mirror onto a specimen and focused by an  $f = 200$  mm lens. The plasma generation was recorded by a high-speed (62,500 frames/sec) camera on DK-35 film (sensitivity, 350 units GOST). The plasma jet spectroscopy was carried out with an ISP-22 spectrograph; the spectra were photographed on RF-3 film (sensitivity, 650 units GOST). Magnesium, aluminum, iron, copper, nickel, zinc, tin, lead, and carbon were investigated. The results are shown in Table 1. It was shown that an explosion-like

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UDC: 537.52

ACC NR: AP6036810

evaporation into plasma occurs under laser radiation. The substance evaporates in the form of separate jets with velocities up to 20 km/sec. The supersonic outflow of the substance leads to the formation of a shock wave in the plasma. The emission of the evaporable substance is due primarily to the luminescence of the plasma and shock-wave regions which, apparently, determine the nature of the spectra. Laser spectroscopy of the experimental specimens exhibited intense continuous background, considerable broadening and reabsorption of spectral lines, and the emergence of absorption lines. The plasma jet spectrum is practically independent of the energy density of the incident laser radiation. The structure of a plasma jet and its spectrum vary considerably when the pressure of the air around the specimen is decreased. Orig. art. has: 1 table and 4 figures.

SUB CODE: 20/ SUBM DATE: 28Dec65/ ORIG REF: 008/ ATD PRESS: 5107

Card 3/3

SALIYEV, A.A.; KOBAKHIDZE, T.; PLOTNIKOV, K.I.; KUZNETSOVA, V.;  
KORUNCHIKOV, P.G.

Information and brief news. Veterinaria 38 no.10:93-96 0 '61.

(MIRA 16:2)

(Veterinary medicine) (Veterinary research)



KAYRYUKSHTIS, I.A. [Kairiukstis, I.]; RUSIYESHVILI, N.I.; MAN'KO, G.D.;  
OL'SHANEZSKIY, G.M.; ORISHCHENKO, A.; ZAKHAROV, A.V.; KORUNCHIKOV, P.C.  
LAPSHIN, I.I.

In the Soviet Union. Veterinariia 38 no.6:91-96 Je. '61.

(MIRA 16:6)

(Veterinary medicine)

KHOKHLOV, A.I.; KALININA, N.A.; BESSARABOV, B.F.; KORUNCHIKOV, P.G.; SHUL'MAN,  
I.Ye.; AZIMOV, D.; MARDYYEV, M.M.; CHIKHLADZE, S.; KRYLOV, M.

Information and short news. Veterinariia 39 no.7:90-96 J1 '62.  
(MIRA 18:1)

1. Starshiy ekskursovod pavil'ona "Veterinariya" na Vystavke  
dostizheniy narodnogo khozyaystva SSSR (for Khokhlov).

POLOVIKOV, F.I.; KORUNKO, T.Ye.

Conducting vocational practice for students in an industrial establishment. Uch. zap. Kir. zhen. ped. inst. no. 4:87-98 '59.

(MIRA 14:1)

(Technical education)

KORUNOV, I.I.

Pine

Summer plantings of pine in small forest nurseries. Les. khoz. no. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, August 1952, 2 Uncl.

KORUNOV, M.I.

Practices of a group aiding Party and State inspection at the  
Kovrov Excavator Plant. Stroi. i dor. mash. 9 no.3:34-35 Mr '64.  
(MIRA 17:6)

KORUNOV, M. M.

15G50

USSR/Transportation of timber 4308.0300 Aug 1947

"Influence of the Type of Cutting on the Speed of Sleighs," M. M. Korunov, Engr, 1½ pp

"Les Prom" No 8

Summary of experiments conducted to determine whether segmental or horizontal cuttings contribute to the speed of sleighs on ice and of the conclusions reached. Two graphs and two charts included.

LC

15G50

KORUNOV, M. M.

Korunov, M. M. - "Russian foresters and the problems of high-ways," Les Khoz-vo, 1948, No. 3, p. 65-67

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

KORUNOV, M. M.

21652

KORUNOV, M. M. Raschet skorosti dvizheniya gruza samospuskom po vertikal'nykh krivym. Svornik statey po obshchetekhn. voprosam (Trudy Ural'skogo lesotekhn. in-ta). Sverdlovsk, 1949, s. 56-60.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949



KORUNOV, M. M.

Korunov, M. M. "Russian foresters and the problem of road-building in forest management," Sbornik trudov po les. khoz-vu, Issue 1, 1949, p. 16-29,  
--Bibliog: 17 items.

SO: U-3736, 21 May53 (Letopis 'Zhurnal 'nykh Statey, no. 18, 1949).

KORUNOV, M. M.

36204 Odnopoloznyye traktornyye sani. Les. Prom-st', 1949, No. 11, S. 6-8.

SO: Letopsi' Zhrunal' nykh Statey, No. 49, 1949

KORUNOV, M.

Roads, Ice

Useful handbook on ice-roads., Les. prom., 12, no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1957, Uncl.  
2

1. KORUNOV, M.M.
2. USSR (600)
4. Ural Mountains - Forrest and Forestry
7. D. I. Mendelejev on the exploitation of Ural forests. Les.prom. 12 no. 12, 1952

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

KORUNOV, M.M.

Book on the Ural's lumber industry ("Outline of the development of the Ural's lumber industry." [professor, doktor ekonomicheskikh nauk] B.S.Petrov. Reviewed by M.M.Korunov). Les.prom. 14 no.1:32 Ja '54. (MLRA 7:1)

(Ural mountain region--Lumbering) (Lumbering--Ural mountain region) (Petrov, B.S.)

KORUNOV, M. M.

KORUNOV, M.M., dotsent.

Improving the training of engineers and technicians for lumbering. Les.prom. 14 no.7:3 JI '54. (MLRA 7:7)

1. Zamestitel' direktora Ural'skogo lesotekhnicheskogo instituta.

(Lumbering--Study and teaching)

VETCHINKIN, Nikolay Sergeevich, prof.; KORUNOV, M.M., kand.tekhn.nauk,  
retsensent; SOLOV'YEV, N.S., red.; PITELMAN, Ye.L., red.isd-va;  
PROKOP'YEVA, L.N., tekhn.red.

[Truck tractor transportation of logs, principles of hauling  
estimates and truck performance] Avtotraktornaya tiaga na  
lesetransporte; osnovy tiagevykh raschetov i proizvoditel'nost'  
mashin. Isd.2., perer. i dep. Moskva, Goslesbumizdat, 1958.  
420 p. (MIRA 12:6)

1.Kafedra tyagevykh mashin Lesotekhnicheskoy akademii im. S.M.  
Kirova (for Korunov).  
(Lumber--Transportation) (Motortrucks)

BUVERT, Viktor Vladimirovich, prof.; IONOV, Boris Dmitriyevich, dotsent, kand.tekhn.nauk; KISHINSKIY, Mikhail Il'ich, dotsent, kand.tekhn.nauk; SYROMYATNIKOV, Sergey Arkad'yevich, dotsent, kand.tekhn.nauk; KORUNOV, M.M., prof., retsenzent; VERIGO, M.F., prof., doktor tekhn.nauk, red.; POLTEVA, B.Kh., red.izd-va; BACHURINA, A.M., tekhn.red.

[Land transportation of timber] Sukhoputnyi transport lesa.  
Izd.2., perer. Pod obshchei red. M.F.Verigo. Moskva, Gosles-  
bumizdat. Vol.1. 1960. 475 p. (MIRA 14:4)  
(Lumber--Transportation)



YEFIPANOV, Boris Yefimovich, dotsent; IONOV, Boris Dmitriyevich, dotsent;  
KORUNOV, M.M., prof., retsenzent; SHCHELKUNOV, V.V., dotsent,  
retsenzent; SHCHENNIKOV, P.N., dotsent, retsenzent; SMIRNOV,  
A.I., dotsent, red.; PITERMAN, Ye.L., red.izd-va; VDOVINA, V.M.,  
tekhn.red.

[Road-building machinery in the forest industries and principles  
of road building] Dorozhno-stroitel'nye mashiny v lesnoi pro-  
myshlennosti i osnovy dorozhnogo dela. Moskva, Goslesbumizdat,  
1961. 376 p. (MIRA 14:12)

1. Ural'skiy lesotekhnicheskiy institut (for Korunov). 2. Arkhan-  
gel'skiy lesotekhnicheskiy institut (for Shchelkunov).  
(Road machinery) (Wood-using industries)

POPOV, Dmitriy Aleksandrovich prof. [deceased]; KORCHUNOV, Nikolay Grigor'yevich prof.; KUKLINOV, Boris Alekseyevich, dots.; MENSHUTKIN, Yakov Grigor'yevich, dots.; KUVALDIN, Boris Ivanovich, dots.; ALYSHEV, Ivan Fedorovich, dots.; SHCHELKUNOV, Valentin Vasil'yevich, dots.; NIKOL'SKIY, Boris Vasil'yevich, dots.; KORUNOV, M.M., prof., retsenzent; DOROKHOV, B.A., red.

[Land transportation of lumber] Sukhoputnyi transport lesa. [By] D.A.Popov i dr. Moskva, Goslesbumizdat, 1963. 863 p.  
(MIRA 17:5)

DMITREVSKIY, Semen Mikhaylovich, kand. tekhn. nauk; KORUNOV,  
M.M., prof., retsenzent; ZADOROZHNIY, V.V., red.

[Lumber transportation in mountainous areas] Gornyi  
transport lesa. Moskva, Lesnaia promyshlennost', 1964.  
316 p. (MIRA 18:1)

SOV/138-59-2-9/24

AUTHORS: Gorelik, B. M., Chelyshev, V. V., Mal'chikova, Ye. T.  
and Korunova, A. D.

TITLE: Manufacture of Rubber Tube, Profiles and other Extruded Products by a Continuous Process (Neprreryvnyy protsess izgotovleniya rezinovykh trubok, profil'nykh i drugikh shpritsovannykh izdeliy)

PERIODICAL: Kauchuk i rezina, 1959, Nr 2, pp 30-34 (USSR)

ABSTRACT: Extruded rubber products are usually vulcanized in batches in autoclaves, which process takes several hours. Continuous vulcanization of extruded products can be carried out in solutions containing SO<sub>2</sub> as well as in long vulcanization chambers using high pressure steam and subsequently cooling the extruded products with water at the same pressure. This method is not possible with tubes owing to the difficulty of maintaining equal pressure inside and outside the tube. Vulcanization without, or with, low pressure can lead to pore formation. This tendency can only be partially reduced by subjecting the rubber mix to vacuum or by extruding it at

Card 1/3 temperatures of 110° or 120°C, which suggests that the

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Manufacture of Rubber Tube, Profiles and other Extruded Products  
by a Continuous Process

reason for porosity is to be found through volatiles, particularly where vaseline oils are used in the mix, with much ~~higher~~ boiling point than water. It was found that the introduction of 5 to 10% of pure CaO into the mix absorbed these volatiles. Satisfactory results were obtained by introducing crushed lime into the mix and by extruding the tubes at temperatures of 100° to 110°C. Thus the question of vulcanization without pressure was solved. Since extrusion proceeds at 5 to 8 m/min, it is necessary to achieve vulcanization within 2 to 3 mins. This is only possible with ultra-rapid accelerators and with temperatures of the order of 200°C. To prevent pre-vulcanization various modifiers are required. A formulation, based on SKS-30 rubber with colophony, lime, Altax, "z-Extra-n", as well as with usual fillers, is given. This gives tubes with a smooth surface and which do not adhere to metallic surfaces during vulcanization without pressure in air medium at 200°C, and which have low cost. The extrusion plant is shown in Fig 6. The extruding machine has a worm

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(endless screw) of 115 mm diameter and is driven by a 40.5kW electric motor. The extrusion speed can be varied by changing the number of revolutions of the worm between the limits of 15 to 30 r.p.m. The vulcanizing tunnel consists of two steel tubes one upon another which are 273 mm x 10 mm diameter and 15 m long, fed with hot air from calorifiers and heated further with electric elements whose spiral wire is mounted on the surface of the tubes. The extruded tube is taken through on a belt conveyor. To increase the efficiency, the extrusion machine is equipped with a triple extruder head and the vulcanized tube is subsequently cooled to 40°C by water spray. There are 6 figures and 6 references, 1 of which is Soviet, 4 English, 1 German.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (Scientific-Research Institute for the Rubber Industry)

Card 3/3

85158

24.7600 (1043, 1144, 1160)

S/139/60/000/005/004/031  
E201/E191

AUTHORS: Agafonova, Ye.N., and Korunova, A.F.

TITLE: A Theory of Thermal Conductivity of Elemental Semiconductors 21 21

PERIODICAL: Izvestiya vysshikh uchernykh zavedeniy, Fizika,  
1960, No. 5, pp 21-25

TEXT: It is usually assumed that the thermal conductivity of semiconductors is due to transfer of heat by phonons (the lattice conductivity) and by current carriers (the electronic conductivity). Recent experimental work (Ref. 1) suggested an additional thermal conductivity which was not related to the electrical conductivity. The present paper deals with this additional conductivity, using a many-electron model of a crystal with closed spin shells (Ref.2). It was assumed that each of N atoms of a semiconductor has two electrons with antiparallel spin orientations in its lowest energy state. The role of Bose excitons (quasi-particles) was considered and they were found to be responsible for the additional thermal conductivity. Fermi excitons were responsible for the carrier (electron and hole) thermal conductivity, obeying the Wiedemann-Franz law.  
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85158

S/139/60/000/005/004/031  
E201/E191

A Theory of Thermal Conductivity of Elemental Semiconductors

The paper is entirely theoretical.

There are 3 Soviet references.

ASSOCIATION: Ural'skiy gosuniversitet imeni A.M. Gor'kogo  
(Ural'sk State University imeni A.M. Gor'kiy)

SUBMITTED: September 28, 1959

Card 2/2

X



S/874/62/000/002/013/019  
D218/D308

AUTHOR: Korunova, A.F.

TITLE: The field of a point source in a three layered medium

SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 229-234

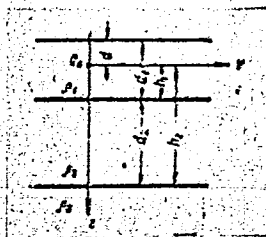
TEXT: The problem is formulated as follows. All space is divided into two parts, the upper part being air, and the lower consisting of three layers with different resistivities  $\rho$  as shown in Fig. 1. A point source of current  $Q$  is placed in the uppermost of the 3 layers and it is required to determine the potential due to the point source. The problem is solved by solving the Laplace equation subject to the appropriate boundary conditions. The solution is then repeated for the two cases where the point source lies in the second and third medium respectively. The formulas obtained as a result of the solution are then used to obtain numerical results which are reproduced in the form of graphs. The formulas are suitable for the  
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The field of a point source ...

3/274/62/000/002/013/019  
D218/D308

interpretation of geophysical measurements. The numerical calculations were carried out at the Ural'skiy gosudarstvennyy universitet (Ural' State University) using the Ural-1 computer. There are 4 figures.

Fig. 1



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S/874/62/000/002/014/019  
D218/D308

AUTHOR: Korunova, A.F.

TITLE: The field of a point source of current placed at a depth in the presence of a perfectly conducting sphere

SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 235-242

TEXT: The problem considered is defined as follows. Suppose all space is divided into two parts by the plane  $x = 0$  and the upper plane is filled with a medium with conductivity  $\sigma = 0$  (for example, air) while the lower part is filled with a homogeneous isotropic medium  $\sigma_1$ . The latter medium contains a conducting spherical irregularity of radius  $a$  and conductivity  $\sigma_2 \neq \sigma_1$ . A point source of constant current is placed in the lower medium outside the sphere, and it is required to determine a potential  $U$  due to this source at the separation boundary between the two regions. The problem is

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The field of a point source ...

S/874/62/000/002/014/019  
D218/D308

solved by the method of images and formulas are derived for the potential distribution. These formulas may be used to evaluate the potential in specific cases and to determine the optimum disposition of the point source, the sphere, and the point of observation in searches for conducting bodies located at large depths below the surface. Detailed plots illustrating the calculations are reproduced. There are 5 figures.

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S/169/62/000/010/054/071  
D228/D307

AUTHORS: Tagceva, N.V., Tikhomirova, M.M. and Korunova, V.V.

TITLE: Water during the diagenesis of marine sediments  
(in the example of the northern seas)

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 10, 1962, 7,  
abstract 10V61 (In collection: Sovrem. osadki morey  
i okeanov, M., AN SSSR, 1961, 577-596)

TEXT: Data on the chemical composition of bottom sediments  
and the muddy (interstitial) waters held in them are given for the  
Central Arctic basin of the Barents, Kara, Chukotsk and Bering Seas.  
In comparison with ocean water these latter are enriched in I by  
150-200 times, in Zn by 10-15 times, and in Cu, B, K and Br (only  
by 10-20%). There is a tendency for the concentration of I and B  
to grow in muddy water, and for that of Zn to diminish, as the pH  
increases. ✓

[Abstracter's note: Complete translation]

Card 1/1

BOZOVIC, B.; SAVICEVIC, M.; DEVECHESKI, M.; JOCIC, V.; KORUNOVIC, H.;  
LOPICIC, Lj.; IVANOVIC, M.

Allergic diseases in two textile industry enterprises. Acta med.  
jugosl. 13 no.3:319-324 '59.  
(ALLERGY etiol.)  
(OCCUPATIONAL DISEASES etiol.)

BEROVIC, Zagorka; NEDVIK, Boris; KORUNOVIC, Madesda; IOPICIC, Ljubica

Cervical spondyloarthrosis..Srpski arh. celok. lek. 88 no.1:1-11  
Ja '60.

1. Poliklinika "Boris Kidric" u Beogradu, upravnik: prim. dr  
Zagorka Berovic.  
(SPINE dis.)

BEROVIC, Zagorka, prim. dr.; LOPICIG, Ljubica; NEDVIDEK, Boris; KORUNOVIC, Nadezda

On lumbar syndrome. Srpski arh. celok. lek. 89 no.1:55-65 Ja '61.

1. Reumatolosko odeljenje Poliklinike "Boris Kidric" u Beogradu.  
Upravnik: prim. dr Zagorka Berovic. 2. Clan Uredivackog odbora,  
"Srpski arhiv za celokupno lekarstvo" (for Berovic).

(BACKACHE)



KORUNOVIC, Slobodan

The work of cupola-furnaces Beograd Izd. In-to za ispitivanje materijala NRS 1953.  
26 p. (Institut za ispitivanje materijala NRS. Odeljenje za metale. Izdanja br. 1)  
(55017039)

TS231.K85

KORUNSKIY, M. I.

"The Atomic Nucleus," Gostekhizdat, 1952

KORUMS'KIY, V.S.

Designing rectangular slabs freely supported by elastic foundations [with summary in English]. *Prykl. mekh.* 3 no.1: 86-92 '57. (MIRA 10:5)

1. Kiivs'kiy avtomobil'no-shlyakhoviy institut.  
(Elastic plates and shells)

SHTIL'MAN, Ye.I., kand. tekhn. nauk; KORUNSKIY, V.S., inzh.

Study of the function of dry joints in composite structures.  
Avt. dor. 22 no.10:15-17 0 '59. (MIRA 13:2)  
(Bridge construction)

BARINGOL'TS, A.Z.; KORUNSKIY, V.S.; SHTIL'MAN, Ye.I.

Using wire-reinforced concrete in making bridge spans. Avt. dor. 23  
no.5:11-14 My '60. (MIRA 13:10)

(Bridges, Concrete)

KORUNSKIY, V. S.

Cand Tech Sci - (diss) "Study of the performance of square-edged plates on a resilient base." Kiev, 1961. 12 pp with diagrams; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Kiev Construction Engineering Inst); 180 copies; free; (KL, 6-61 sup, 219)

SHTIL'MAN, Ye.I., kand.tekhn.nauk; KORUNSKIY, V.S., inzh.

Industry-wide use of wire-reinforced concrete elements for spans.  
Avt. dor. 24 no.3:9-12 Mr '61. (MIRA 14:5)  
(Ukraine--Bridge construction)  
(Reinforced concrete construction)

SHTIL'MAN, Ye.I., kand.tekhn.nauk; KORUNSKIY, V.S., kand.tekhn.nauk

Prestressed bridge elements with wire reinforcement.  
Bet. i zhel.-bet. 8 no.10:466-469 O '62. (MIRA 15:11)  
(Prestressed concrete) (Bridges, Concrete)



KOROSHIN, Ivan Ivanovich; UCHITEL' I.Z., red.; GUROVA, O.A., tekhn. red.

[Production charts for growing ornamental trees and shrubs] Proizvodstvenno-tekhnologicheskie karty vyrashchivaniia dekorativnykh derev'ov i kustarnikov. Moskva, Izd-vo M-va kommun. khoz. ESFER, 1957. 241 p. (MIRA 11:7)

(Gardening)

KORNYUTIN, V., GAVRILOV, V.

Attrition on the reverse of the plowshare. Tr. from the Russian. p. 267.  
(JARMIVÉK ES GEPEK, Budapest, Hungary), Vol. 1, No. 9, Sept. 1954.

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4,  
No. 5, May 1955.

EDUSHEVA, SVETLANA NIKOLAYEVNA

4/5  
741.2  
.KR

Termicheskaya Obrabotka Pri Remonte Traktorov I Sel'skokhozyaystvennykh Mashin (Heat Treatment in Maintenance of Tractors and Farm Machinery) Moskva, Mashgiz, 1955.  
123 P. Diags., Graphs, Tables (Biblioteka Mekhanizatora Sel'skogo Khozyaystva)

KORUSHKIN, Ye.N.

GAVRILOV, F.I., kandidat sel'skokhozyaystvennykh nauk; KORUSHKIN, Ye.N.,  
kandidat tekhnicheskikh nauk.

Necessity of differentiated heat treatment of plowshares. Sel'-  
khoz mashina no.2:26-28 P'55. (MIRA 8:3)

1. Novosibirskiy sel'skokhozyaystvennyy institut.

*Аgricultural machinery*  
ANDRYUSHCHENKO, Yu.S., BAGIN, Yu.I., BASHKIRTSEV, A.A., BELEN'KOV, G.Ye.  
BELINICHER, I.Sh., BUSHUYEV, N.M., VAGANOV, A.K., GASEV, A.M.,  
YNS'KOV, K.A., ZGIRSKIY, Ch.I., IGNAT'YEV, M.I., ~~KORUSHKIN, Ye.N.~~  
KUZ'MOV, N.T., PATSKEVICH, I.P., PICHAK, F.I., RAYTSES, V.B.,  
RUDAKOV, A.S., SAPRYKIN, V.M., SIDOROV, P.P., UMINSKIY, Ye.A.  
KHANZHIN, P.K., CHEREMOVSKIY, Yu.I., BUSHUYEV, N.M., kand.tekhn.  
nauk, red.; DUGINA, N.A., tekhn.red.

[Manual for agricultural machinery operators] Pt. 3. Stationary  
internal combustion engines, steam engines and windmills. Rural  
electrification. Mechanization of production in animal husbandry.  
Spravochnik mekhanizatora sel'skogo khoziaistva. Pt. 3. Statsionarnye  
dvigateli vnutrennego sgoraniia, lokomobili i vetrodvigateli.  
Elektrifikatsia sel'skogo khoziaistva. Mekhanizatsia proizvodstvennykh  
protssosov v zhivotnovodstve. Pod red. N.M. Bushueva. Moskva,  
Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry. 1957. 200 p.  
(MIRA 11:8)

(Agricultural machinery)

ANDRYUSHCHENKO, Yu.S.; BAGIN, Yu.I.; BASHKIRTSEV, A.A.; BELIN'KOV, G.Ye.;  
BELINICHER, I.Sh.; BUSHUYEV, N.M.; VAGANOV, A.K.; GASHEV, A.M.;  
YMS'KOV, K.A.; ZHIRSKIY, Ch.I.; IGANT'YEV, M.I.; KORUSHKIN, Ye.N.;  
KUZ'MOV, N.T.; PATSEKOVICH, I.R.; PICHAK, F.I.; PAYTSES, V.B.;  
HUDAKOV, A.S.; SAPRYKIN, V.M.; SIDOROV, F.F.; UMINSKIY, Ye.A.;  
KHANZHIN, P.K.; CHERNOMOVSKIY, Yu.I.; YERAKHTIN, D.D., kand. tekhn.  
nauk, retsenzent; MAKAROV, M.P., inzh., retsenzent; TORBYEV, Z.S.,  
kand. tekhn. nauk, retsenzent; POLKANOV, I.P., kand. tekhn. nauk,  
retsenzent; IGNAT'YEV, M.G., agronom, retsenzent; GUTMAN, I.M.,  
inzh., retsenzent; YERMAKOV, N.P., tekhn. red.; SARAFANNIKOVA, G.A.,  
tekhn. red.

[Reference manual for the agricultural machine operator] Spravochnik  
mekhanizatora sel'skogo khoziaistva. Pt.2. [Repair of tractors and  
agricultural machinery] Remont traktorov i sel'skokhoziaistvennykh  
mashin. Pod red. N.M. Bushueva. Moskva, Gos. nauchno-tekhn. izd-  
vo mashinostroit. lit-ry. 1957. 335 p. (MIRA 11:9)  
(Agricultural machinery—Maintenance and repair)

KORUSHKIN, YE. N.

ANDRYUSHCHENKO, Yu.S.; BAGIN, Yu.I.; BASHKIRTSEV, A.A.; BELEN'KOV, G.Ye.;  
 BELINICHER, I.Sh.; BUSHUYEV, N.M.; VAGANOV, A.K.; GASHEV, A.M.;  
 YES'KOV, K.A.; ZGIRSKIY, Ch.I.; IGNAT'YEV, M.I.; KORUSHKIN, Ye.N.;  
 KUZ'MOV, N.T.; PATSKOVICH, I.R.; PICHAK, F.I.; RAYTSES, V.B.;  
 RODAKOV, A.S.; SAPRYKIN, V.M.; SIDOROV, P.F.; UMINSKIY, Ye.A.;  
 KHANZHIN, P.K.; CHERNOMOVSKIY, Yu.I.; YERAKHTIN, D.D., kand.tekhn.nauk;  
 retsentsent; MAKAROV, M.P., insh., retsentsent; TORBEYEV, Z.S., kand.  
 tekhn.nauk, retsentsent; POLKANOV, I.P., kand.tekhn.nauk, retsentsent;  
 IGNAT'YEV, M.G., agronom, retsentsent; GUTMAN, I.M., inzhener, retsentsent;  
 SARAFANNIKOVA, G.A., tekhn.red.; YERMAKOV, N.P., tekhn.red.

[Manual for agricultural mechanizers] Spravochnik mekhanizatora  
 sel'skogo khoziaistva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.  
 lit-ry. Pt.1. [Tractors and automobiles, agricultural machinery and  
 implements, and operation of machine and tractor yards] Traktory i  
 avtomobili, sel'skokhoziaistvennyye mashiny i orudiya, ekspluatatsiya  
 mashinno-traktornogo parka. Pod. red. N.M. Bushueva. 1957. 462 p.  
 (MIRA 10:12)

(Machine-tractor stations)

36834

S/137/62/000/004/157/201  
A060/A101

1.2310

AUTHORS: Korushkin, Ye. N., Antonov, A. P.

TITLE: Study of the quality of friction welding

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 7, abstract 4E32  
("Tr. Novosib. s.-kh. in-ta", 1959, 20, no. 1, 7 - 18)

TEXT: The following problems are considered: the nature of friction welding and its application to the repair of agricultural machinery parts, the characteristic features of welding steel pipes by this method, the quality and mechanical characteristics of the joint. Conclusions: 1) Friction welding may be utilized for joining the majority of both carbon and alloy structural and tool steels. 2) As result of rapid phase processes at the welding site and the zone of thermal effect there occurs a change in the physico-mechanical characteristics of strength, hardness, and ductility. The hardness and strength increase, while the ductility and dynamic strength decrease. 3) The variations in the physico-mechanical characteristics of the welded parts increase with an increase in the content of carbon and alloy elements in the steel. 4) For parts operating under

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Study of the quality of friction welding

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impact loads it is necessary to apply heat-treatment after the friction welding:  
for parts from carbon steels - normalizing, for parts of alloy steels - annealing.

V. Tarisova

[Abstracter's note: Complete translation]

4

Card 2/2

KORUZ, V.I.

Improving the proportioning mechanism of the K-33 machine for  
the lamination of "sefir" candy. Khar. prom. no.1:42-43  
Ja-Mr '63. (MIRA 16:4)

(Proportioning equipment)

KASK, K.A.; KORV, A.A.

Separation of residual shale bitumen by chromatography. *Izv. vys. ucheb. zav.; khim. i khim. tekh.* 4 no. 2:294-297 '61. (MIRA 14:5)

1. Tallinskiy politekhnicheskiy institut. Kafedra khimicheskoy tekhnologii topliva.

(Bitumen)

VOORE, H.; KORV, M.; KUDRYAVTSEV, I.B.; RIKKEN, V.; STEPANOVA, G.G.;  
TOMSON, T.; TOMSON, R.; FAYNGOL'D, S.I.; BLOMBERG, M., red.

[Synthetic detergents from shale oil] Sinteticheskie moiushchie veshchestva iz slantsevoi smoly. [By] Kh.IU.Voore i dr.  
Tallin, Estgosizdat, 1964. 257 p. (MIRA 17:5)

1. Eesti NSV Teaduste Akadeemia. Keemia Instituut.