"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

CZECHOSLOVAKIA

CATAR, G., Doc. MUDr, CSc.; VALENT, M. GRÜNNER, L.; KUCHTA, V.

1. Parasitological Research Laboratory, Dept. of Biology, Faculty of Medicine, Comenius Univ. (Vyskumne laboratorium parazitologie pri Katedre biologie Lek. fak. Univerzity Komenskeho), Bratislava (for Catar and ?); 2. State Baths (Statne kupele), Lucky pri Ruzomberku (for Grünner, Head, and ?)

Bratislava, Bratislavske lekarske listy, No 4, 28 Feb 67, pp 196-203

"On the transmission of trichomoniasis by thermal water."

(4)

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KUCHTA, W.; KARCZMARSKI, H.; KALINOWSKI, B.

Automation in a run-of-river hydroelectric-power plant. p.29.

(ENERGETYKA. Vol. 11, No. 1, Jan./Feb. 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

BRODSKIY, A.I.; FOMENKO, A.S.; ABRAMOVA, T.M.; FURMAN, Ye.G.; DAR'YEVA, E.P.; KUCHTENKO, I.I.; GALINA, A.A.

Electron paramagnetic resonance spectra of radicals arising in X-raying of polyamides. Dokl. AN SSSR 156 no. 5:1147-1149 Je '64. (MIRA 17:6)

1. Institut fizicheskoy khimii im. L.V.Pisarzhevskogo AN UkrSSR. 2.Chlen-korrespondent AN SSSR (for Brodskiy).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHTENKO, V.I. (Moskva); MITYURINA, V.Ye. (Moskva)

One method for constructing adaptive systems with stabilization of frequency characteristics. Avtom. i telem. 26 no.3:475-484 Mr '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHTIK, J.; VYSKOC, M.

Sturcture and raw weight of oak wook obtained by selective tree cutting.
p. 463.
(Sbornik Rada Lesnictvi, Vol. 30, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL LC, Vol. 6, no. 10, October 1957. Uncl.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHTINA, I. [Kukhtina, I.]; RACZKA, R

Investigation of t' high energy K^+--p interaction by the statistical theory of multiple particle production. Acta physica Pol 26 no.1, 163-167 Jl '64.

1. Joint Institute for Nuclear Research, Laboratory of Theoretical Physics, Moscow.

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Fe in the $LaFeO_3$ was replaced by Mn to reduce the electrical conduc-
tivity. X-ray structure analyses and dielectric constant measurements

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PHASE I BOOK EXPLOITATION SOV/5336

Akademiya nauk SSSR. Mezhduvedomstvennyy komitet po provedeniyu Mezhdunarodnogo geofizicheskogo goda. V razdel programmy MGG: Ionosfera

Issledovaniya ionosfery (Ionospheric Research) Moscow, Izd-vo AN SSSR, 1960. 112 p. (Series: Its Sbornik statey, no. 5) 2,000 copies printed.

Resp. Ed.: G.N. Gorbushina, Candidate of Physics and Mathematics; Ed.: A.D. Podol'skiy; Tech. Ed.: T.V. Polyakova.

PURPOSE: This publication is intended for geophysicists, meteorologists, and communications specialists.

COVERAGE: This collection of 12 articles on the ionosphere, published by the Soviet IGY Committee, presents some of the results of vertical soundings made at 23 Soviet stations in the period 1957-1959. Individual articles deal with the geographic distribution of ionospheric absorption and its relation to solar flares and magnetic storms, the altitudinal distribution of ionization calculated with electronic computers, and ionospheric observations in the Arctic and Antarctic. An English resume accompanies each article. No personalities are mentioned. References follow individual articles.

Card ~~1/4~~

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Foreword 5

Besprozvannaya, A.S. Anomalous Absorption in the Polar Region According to Observations Conducted by the Method of Vertical Ionospheric Sounding 7

Fedyakina, N.I. Anomalous Absorption in May and July 1959, According to Observations in Tiksi Bay by the Method of Cosmic Radiation 20

Gorbushina, G.N. Some Results of the Measurement of the Absorption of Radio Waves in the Ionosphere 28

Kuchuberiya, I.Kh. Quantitative Estimation of Ionospheric Absorption According to the Minimum Reflection Frequency 41

Kerblay, T.S. Dependence of the Maximum Frequencies of the Sporadic Es Layer on the Characteristics of the Ionosonde System 50

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L 32622-66 FBD/EWT(1)/EEC(k)-2/ETC(f)/T/EWP(k) IJP(c) WG/AT

ACC NR: AP6015598 SOURCE CODE: UR/0368/66/004/005/0458/0459

AUTHOR: Besshaposhnikov, A. A.; Voloshin, A. Ye.; Kuchuberiya, I. Kh.; Simonova, N.V.

ORG: none

TITLE: Measurement of electron temperature of a plasma by means of scattered laser radiation

SOURCE: Zhurnal prikladnoy spektroskopii, v. 4, no. 5, 1966, 458-459

TOPIC TAGS: laser application, plasma electron, electron temperature, LASER RADIATION, LASER BEAM

ABSTRACT: The authors used a laser beam to measure the electron temperature in a setup in which the plasma was produced by a rotating high-frequency dipole at 2.45 Mc in a quasistationary field of mirror configuration. The vacuum chamber was a glass tube 50 mm in dia. and 1000 mm long (Fig. 1). The spectrum of the plotted radiation was measured point by point and the electron temperature was calculated from the smoothed spectrum and found to be $T_e \approx 4$ ev. From the presence of a shift in the scattered radiation relative to the incident radiation it is deduced that the electrons move axially with velocity $\sim 10^8$ cm/sec. The reason for this phenomenon, and also the details of the fine structure of the scattered radiation, are still unclear. The authors thank R. A. Demirkhanov for suggesting the investigation and for continuous interest. Orig. art. has: 2 figures.

Card 1/2 UDC: 533.9.07

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ACC NR: AP6015598

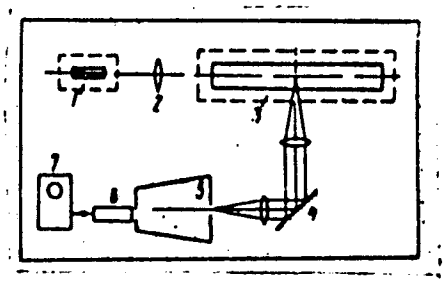

Fig. 1. Block diagram of the measurement apparatus. 1 - Ruby laser, 2 - lens, 3 - vacuum chamber, 4 - optical focusing system, 5 - spectrograph, 6 - photomultiplier, 7 - oscilloscope.

SUB CODE: 20/ SUBM DATE: 12Jul65/ OTH REF: 004

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

S/904/61/000/000/006/011
D218/D308

AUTHOR: Kuchuberiya, I. Kh.

TITLE: Calculation of the field strength of radiowaves from measured ionospheric absorption

SOURCE: Doklady Nauchnogo simpoziumapo ionosfere, Rostov-na-Donu, 21-22 aprelya 1960 g. V razdel programmy MGG (ionosfera). Rostov on the Don, Izd-vo Rostov. univ., 1961, 75-79

TEXT: In an earlier paper (Issledovaniya ionosfery, no. 5, 1960), the author reported a formula relating the field strength for an obliquely arriving radiowave and the magnitude of the ionospheric absorption. The present paper reports a comparison between the field strength calculated from this formula and the measured values. The transmitter, whose field strength was measured on the Dickson Island, was located at a distance of 800 km (Chelyuskin). The signal was transmitted at 2.52, 4.02,

Card 1/3

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6.35, 8.74, and 12.35 Mc/sec at mid-day and midnight local time. Fig. 2 shows the median values of the field strength between October 1957 and February 1958. The full curves are calculated while the dashed curves represent measured values. As can be seen, some measure of agreement was achieved. There are 2 figures.

ASSOCIATION: Arkticheskiy i Antarktecheskiy nauchno-issledovatel'skiy institut (Arctic and Antarctic Scientific Research Institute)

Fig. 2
Legend: (1) time, (2) Mc/sec, (3) month, (4) field strength in db.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

Calculation of the field...

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Fig. 2

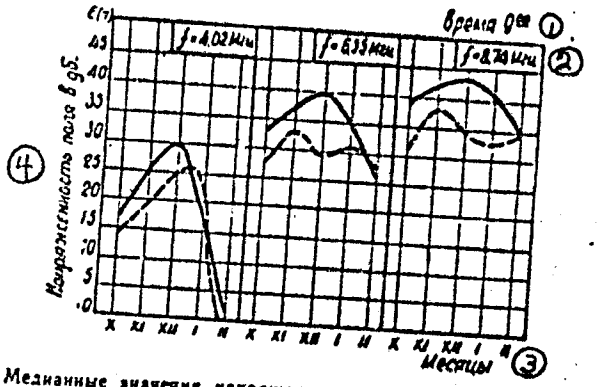
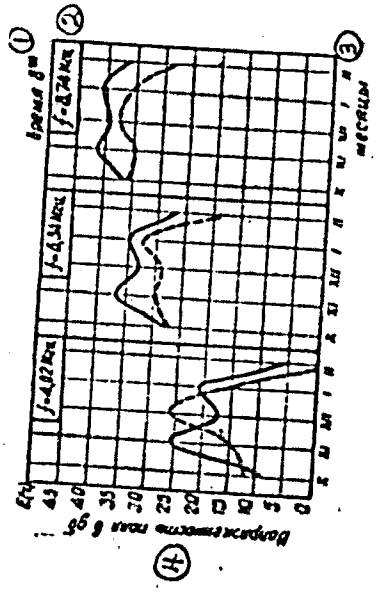


Рис. 2. Медианные значения напряженности поля на трассе Челюскин—Диксон за период с октября 1957 г. по февраль 1958. Время — 45°E.
——— расчетные значения
------- измеренные »



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L 4912-66 EWA(k)/FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(m)-2/EWA(h) IJP(c) WG

ACC NR: AP5027035 SOURCE CODE: UR/0120/65/000/005/0204/0206

AUTHORS: Beshaposhnikov, A. A.; Voloshin, A. Ye.; Kuchuberiya, I. Kh.

ORG: Physicotechnical Institute, GKAE, Sukhumi (Fiziko-tekhnicheskiy institut, GKAE)

TITLE: Measurement of laser radiation energy

SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1965, 204-206

TOPIC TAGS: laser radiation, laser energy, bolometer, transistorized amplifier / P13B triode

ABSTRACT: Equipment is described for measuring the energy output of pulsed lasers in the range of 0.1—10 j. The signal from a bolometer, which is used as the sensor, is supplied through a step voltage divider to the input of a four-stage transistorized amplifier with calibrated stable amplification. Low-noise transistors are used in the first two stages. The gain of the amplifier at 1 kc is 2800; the frequency response is flat (within 3 db) in the range of 50 cps to 20 kc; and the amplitude response is linear over 20 db. The output is recorded on an

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L 4912-66

ACC NR: AP5027035

oscilloscope whose sweep is triggered by the firing circuit of the laser pumping lamps. The bolometer, amplifier, and stabilized power supply are mounted in a sectioned metal container. Orig. art. has: 5 formulas and 7 figures. [04]

SUB CODE: EC/ SUBM DATE: 10Aug64/ ORIG REF: 004/ OTH REF: 006

ATD PRESS: 4135

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUGIN, V.V., insh.

Introduction of continuous-flow production of stamped fittings. Energomashinostroenie 3 no.10:36-38 O '57. (MIRA 10:12)
(Valves) (Machine-shop practice)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

GOMOL'SKIY, M.M., inzh.; KUCHUGIN, V.V., inzh.

Replacement of bronze bushes of $D_y = 50$ --$D_y = 10$ valves with sulfurized cast iron. Energetik 12 no.3:19-20 Mr '64.
(MIRA 17:4)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUGURENKO, A.P., kandidat tekhnicheskikh nauk; UVAROV, G.A., kandidat tekhnicheskikh nauk.

Installing a low-pressure water economizer on a BKZ-F-4-75/34 boiler. Energetik 2 no.5:9-10 My '54. (MLRA 7:6)
(Steam boilers)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

9(9) SOV/143-58-10-14/24

AUTHOR: Kuchugurenko, ~~A.P.~~, Candidate of Technical Sciences

TITLE: Some Cases of Constant Speed Control

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1958, Nr 10, pp 107-117 (USSR)

ABSTRACT: In this article, single-capacity devices, having no lag, are considered. The disturbances are intermittent. First, the author mentions a control without feedback, as shown in figure 1, presenting formulae for the first and second halfwaves. Then, he presents a follow-up control, shown in figure 2, listing formulae for the first halfwave and for the aperiodicity conditions. Further he considers controls with an additional pulse of the derivative of the magnitude to be controlled, presenting forumlae for the first half-wave and the aperiodicity conditions. The author mentions briefly the control with an additional pulse for the flow to be controlled and the control with two additional pulses for the controlled and uncontrolled

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Some Cases of Constant Speed Control SOV/143-58-10-14/24

flows. He shows formulae for an elastic feedback control. Finally, he presents numerical examples for calculating the tuning parameters of some of the aforemention controls. There are 4 diagrams, 6 schematic drawings and 1 Soviet reference.

ASSOCIATION: Kuybyshevskiy industrial'nyy institut imeni V.V. Kuybysheva (Kuybyshev Industrial Institute imeni V.V. Kuybyshev)

SUBMITTED: February 27, 1958

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

ZHUKOV, A.M., inzh.; KUCHUGURENKO, A.P., dotsent, kand. tekhn. nauk; MURAV'YEV, V.D., inzh.; UVAROV, G.A., dotsent, kand. tekhn. nauk; FEDOROV, V.N., inzh.; SHESTAKOV, B.I., dotsent

Investigating combusting pulsations during burning of Kashpir shale in furnaces with shaft-type impact mills. Izv. vys. ucheb. zav.; energ. 2. no.10:53-59 O '59. (MIRA 13:3)

1.Kuybyshevskiy industrial'nyy institut imeni V.V. Kuybysheva. Predstavlena sektsiyey prikladnoy teplotekhniki.
(Oil shales)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUGURENKO, A.P., kand.tekhn.nauk

Processing of gas analysis data in the case of recirculation of gases in boiler installations. Sbor. nauch. trud. Kuib. indus. inst. no.8:265-270 '59. (MIRA 14:7)
(Gas-Analysis) (Boilers)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

GRACHEV, B.A.; YURIN, Yu.N.; AKNIYEV, G.E.; DUMCHIKOV, G.K.; KUCHUGUROV, V.F.; BATAL'SHCHIKOV, M.V.

EBT-1 pipe tachometer has passed plant tests. Izv. vys. ucheb. zav.; neft' i gaz 7 no.3:112 '64. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut kompleksnoy avtomatizatsii neftyanoy i gazovoy promyshlennosti.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK, A. P., CAND MED SCI, "INTRAARTERIAL INFUSION OF HYPERTONIC SOLUTION ~~OF~~ GLUCOSE IN THE INITIAL PERIOD OF CLINICAL DEATH AND CERTAIN aspects ~~FEATURES~~ OF the mechanism of ITS ACTION ~~MECHANISM~~." L'VOV, 1960. (L'VOV STATE MED INST). (KL, 2-61, 218).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK, A.P.

Characteristics of the shifts of protein fractions of the blood serum in hypoplastic and aplastic states. Sbor. trud. L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no.4:64-70 '60 (MIRA 16:1)

Transfusion of a leucocyte mass in acute agranulocytosis, and hypoplastic and aplastic anemia. Ibid.:142-147

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK, A.P.

Tranfusion of leucocytes in leucopenia. Probl. gemat. i perel. krovi 5 no. 12:41-45 '60. (MIRA 14:1)
(LEUCOPENIA) (BLOOD—TRANSFUSION)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK, A.P.

Significance of angioreceptors in intra-arterial administration of hypertonic glucose solution. Fiziol. zhur. 46 no.3:338-343 Mr '60. (MIRA 14:7)

1. From the Institute of Blood Transfusion, L'vov.
(GLUCOSE) (BLOOD PRESSURE)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

YAYES, S.B.; KUCHUK, A.P.; KRIVORUCHKO, R.A.; SHIMANSKAYA, B.M.

Transfusion of blood preserved with cation exchangers and its erythrocyte mass in hypoplastic states. Sbor. trud. L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no.4: 155-161 '60 (MIRA 16:12)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

[illegible], [illegible]

Comparative evaluation of the preservatives Nos. 7 and 8 prepared by the Central Institute of the Order of Lenin of Hematology and Blood Transfusion as stabilizers of the blood coagulation system and natural anticoagulants. Probl. gemat. i perel. krovi 9 no.8:44-49 Ag '64.

(MIRA 18:3)

1. Gematologicheskiy otdel (zav. - dotsent S.M. Martynov) L'vovskogo nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. - dotsent D.G. Petrov).

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MARTYNOV, [illegible]; [illegible], A.P.

Effect of the preservation of blood and plasma on the blood coagulation system. Gemat. i perel. krovi 10:112-118 '65. (MIRA 18:10)

1. L'vovskiy institut perelivaniya krovi.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK, A.P.; SHIMANSKAYA, B.M.

Preparation of antihemophilic plasma. Probl. gemat. i perel. krovi no.5:43-45 '65. (MIRA 18:10)

1. Gematologicheskiy otdel (rukovoditel'- dotsent S.M. Martynov) L'vovskogo nauchno-issledovatel'skogo instituta perelivaniya krovi (dir.- dotsent D.G. Petrov).

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LAVROV, N.V.; KUCHUK, S.D.; GOL'DFIL'D, M.L.; SHUBIN, V.V.

Using gas as fuel in the transport industry in the Central Asian Economic Region. Gaz. prom. 7 no.12:15-19 '62 (MIRA 17:7)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

LAVROV, N.V., akademik (Tashkent); KUCHUK, S.D., inzh. (Tashkent); VIL'KEVICH, V.I., kand.tekhn.nauk (Tashkent); GOL'DFIL'D, M.L., inzh. (Tashkent)

Use of gas fuel for the operation of diesel locomotives. Zhel. dor.transp. 45 no.8:43-46 Ag '63. (MIRA 16:9)
(Diesel locomotives) (Gas as fuel)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK, V.T.

Late rupture of a subcapsular hematoma of the spleen. Zdravookhranenie 3 no.3:62 My-Je '60. (MIRA 13:7)

1. Iz rayonnoy bol'nitsy sela Bul'boki (glavnyy vrach O.I. Kolkovskaya).
(HEMATOMA) (SPLEEN--RUPTURE)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK, V.T.

Cystic embryonic tumor of the mesentery of the small intestine. Zdravookhranenie 4 no. 2:55-56 My-Ap '61. (MIRA 14:4)

1. Iz rayonnoy bol'nitsy sela Bul'boki (glavnyy vrach I.O. Kolkovskaya).

(MESENTERY—TUMORS)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

PERIODICAL ABSTRACTS

Sub.: USSR/Engineering AID 4192 - P

KUCHUK-YATSENKO, S. I. and V. K. LEBEDEV
O SVARKE NEPRERYVNYM OPLAVLENIYEM IZDELIY, IMEYUSHCHIKH BOL'SHOYE KOMPAKTNOYE SECHENIYE (Continous Flash Welding of Pieces with Large Cross-Section). Avtomaticheskaya svarka, no. 1, Ja/F 1956: 29-37.

Using rails as an example of pieces with large cross-section, the authors compare welding techniques, the preliminary interrupted heating commonly used, and the more efficient continous flash welding method. They recommend the latter as shorter and more economical (current consumption is reduced two-thirds). Six graphs, a drawing and a picture. Four Russian references, 1951-1954.

Under Labor Red Banner Inst Electrowelding im Ye O. Paton AS UkrSSR

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

AID P - 4831

Subject : USSR/Engineering

Card 1/2 Pub. 11 - 4/13

Authors : Lebedev, V. K. and S. I. Kuchuk-Yatsenko

Title : Increasing temperature of metal in butt-resistance welding by intensifying the oxidation.

Periodical : Avtom. svar., 9, 3, 36-43, Mr 1956

Abstract : The authors describe experiments and results obtained from the butt resistance welding of low-carbon steel pipes by the method of continous flash welding. They found that the metal's temperature increases with the increase of oxidation by blowing air or a mixture of air and oxygen. This improves the quality of welded joints at a reduced current density, while the excessive use of air-mixture reduces the quality of the welded joints. The blowing of the oxidized mixture in the butt-welding of pipes has also reduced the formation of internal burrs. Two tables, 5 graphs, 1 photo.

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AID P - 4831

Avtom. svar., 3, 36-43, Mr 1956

Card 2/2 Pub. 11 - 4/13

4 Russian references (1950-55).

Institution : Electrowelding Institute im. Paton

Submitted : 23 N 1955

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

PATON, B.Ye.; KUCHUK-YATSENKO, S.I.; POPOVSKIY, O.V.

Ignitron regulators of butt welding. Avtom. svar. 10 no.1: 55-62 Ja-F '57. (MLRA 10:4)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR.
(Electric welding) (Voltage regulators)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

PODOLA, N.V.; KUCHUK-YATSENKO, S.I.

Resistance butt welding with low-frequency currents. Avtom. svar. 10 no.1:63-72 Ja-F '57. (MLRA 10:4)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR.
(Electric welding)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I.

KUCHUK-YATSENKO, S.I.; LEBEDEV, V.K.

Heat balance during the fusion process with low specific capacities. Avtom.svar. 10 no.4:64-70 Jl-Ag '57. (MIRA 10:10)

1. Ordena Trudovog Krasnogo Znameni Institut elektrosvarki imeni Ye.O.Patona Akademii nauk USSR.
(Electric welding) (Heat--Radiation and absorption)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

18(5) SOV/125-59-10-5/16

AUTHOR: Kuchuk-Yatsenko, S.I., Engineer

TITLE: Maximum Annealing Conditions in the Uninterrupted Welding of Compact Objects up to 10,000mm^2 in Cross-Section

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 10, pp 34-49 (USSR)

ABSTRACT: The article gives the results of experiments to determine the programs for lowering welding voltage and speed in order to provide for maximum heat in the uninterrupted welding of objects up to 10,000mm^2 in cross-section. The temperature was recorded by a Type RP-49 thermograph, the power, voltage and current in the initial circuit were recorded on automatic D-33 instruments, and the main part of the test was carried out on test-pieces of Type R50 and R65 rails. Fig 1 shows that at constant speeds of welding the necessary initial voltage does not increase in direct proportion to the area to be welded, while the process is greatly affected by the initial speed. If it is too high, the power may be insufficient to break the contacts, whereas if it is too low the contacts are

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SOV/125-59-10-5/16

Maximum Annealing Conditions in the Uninterrupted Welding of Compact Objects up to 10,000mm in Cross-Section

broken prematurely. A graph showing the relation between the most suitable welding speed and the initial voltage is given in Fig 2; the purity of the welded butts also affects the welding process, and the speed must be altered accordingly. The results of tests on Type R50 rails to determine minimum welding pressure and the subsequent increase in heat are given in Fig 3 (speed - .25mm/sec and time - 140 secs) while the graphs in Fig 4 illustrate the distribution in temperature in the heating zone on the lowering of the voltage. This system of lowering the voltage is also effective if the resistance of the spark-gap is more or less constant and the power is sufficient to break the contact. Since this resistance varies considerably, special regulators were designed to enable the welding speed to be lowered or the power raised on a drop in the resistance of the spark-gap. When other systems are used, the raising of the voltage over the circuits is very difficult, and Fig 5 gives data concerning the solution of this problem by means of spe-

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SOV/125-59-10-5/16

Maximum Annealing Conditions in the Uninterrupted Welding of Compact Objects up to 10,000mm^2 in Cross-Section

cial current regulators, which affect the speed of welding. The minimum possible voltage thus depends on the resistance of the short circuit, and the results are given of tests carried out on the welding of Type R65 rails in machines of varying resistance to short-circuiting. Figs 6a and 6b represent the change in the minimum possible welding voltage by means of contour transformers, where Z_k = 70 microhms and Z_k = 53 microhms respectively. In both cases the speed and duration were constant (speed - .1mm/sec, duration - 140 secs). It is shown that this voltage is less dependent on resistance to short-circuiting than is the initial voltage, and that current density amounted in all cases to an average of 1.2-1.3 a/mm^2, regardless of the resistance; the data obtained also indicates that maximum heat in welding does not depend on resistance to short-circuiting. In order to establish the most favorable welding speed, rails were welded at a speed of .1mm/sec, and Fig 7 con-

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SOV/125-59-10-5/16

Maximum Annealing Conditions in the Uninterrupted Welding of Compact Objects up to 10,000mm^2 in Cross-Section

tains data concerning the minimum voltage and current at this speed. Comparison with Figs 3a and 3b shows that this minimum voltage changed very little when a speed of .2mm/sec was used, although the current rose somewhat. Fig 8 shows the changes in temperature in the welding area on the increasing of the duration of process and the lowering of the voltage, and the data given in Fig 9 show them to increase in the same way as when a speed of .2mm/sec was used. It can hence be seen from these graphs that a speed of .2-.25mm/sec is the most favorable. The duration of the welding process was fixed at 170-200 secs, since above this it has little effect on the temperature (Fig 9). There are 9 graphs and 3 Soviet references.

ASSOCIATION: Ordena trudovogo krasnogo znameni institut elektrosvarki imeni Ye.O. Patona AN USSR (Order of the Red Banner of Labor Institute of Electric Welding imeni Ye.O. Paton AS UkrSSR)

SUBMITTED: April 10, 1959

Card 4/4

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S. I., Cand Tech Sci (diss) -- "Investigation of contact butt welding by the continuous melting of large compact, thick-walled parts of carbon steel". Kiev, 1960. 16 pp (Acad Sci Ukr SSR, Order of Labor Red Banner Inst of Electrowelding im Ye. O. Paton), 150 copies (KL, No 10, 1960, 131)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I., kand.tekhn.nauk

New machinery for rail welding. Put'i put.khoz. 4 no.8:16-19 Ag '60. (MIRA 13:7)

(Railroads--Rails--Welding)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

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A161/A030

AUTHORS: Asnins, A.Ye.; Kuchuk-Yatsenko, S.I.

TITLE: Static and Vibration Resistance of Joints Welded From Large Sections by Resistance-Welding

PERIODICAL: Avtomaticheskaya svarka, 1960, No. 12, pp. 14 - 41

TEXT: The resistance-welding process was not previously used for welding beams for jobs where reliability of structure is of paramount importance. There were no large welding machines of this kind, the quality of resistance-welded joints made in existing machines was not constant, and the necessary removal of surplus weld metal and burrs was difficult. The Electric Welding Institute imeni Ye.O. Paton has developed a machine enabling welding butt joints to be made with maximum 30,000 mm^2 cross section area, welding with continuous fusion, and more stable and even heating. Flat and double-T specimens with a height of up to 200 mm have been welded in the "K-135" welder and tested for static strength and vibration resistance. Special test machines of the Electric Welding Institute design were used. The article includes no description of the welding machine. The welding test was chosen so as to reproduce the most unfavorable welding conditions

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A161/A030

Static and Vibration Resistance of Joints Welded From Large Sections by Resistance-Welding

(which would probably occur in everyday use) with maximum heat: fusion time 120 sec; allowance for fusion 25 mm; initial fusion rate 0.25 mm/sec; final fusion rate 1.5 mm/sec; idle-run current 6.6 volt; upsetting 6 and 12 mm. The upsetting was limited by a special tracing hydraulic drive enabling the desired deformation on the butts to be obtained regardless of the pressure variation in oil in the hydraulic system and the dimensions of heated zone. Notch impact strength depended very much on the magnitude of upsetting - it was $\frac{9.8 - 15.1}{11.8}$ kgm/cm^2 at 6 mm upsetting, and $\frac{6.6 - 11.3}{8.8}$ kgm/cm^2 at 11 mm. It was concluded that the static strength and also vibration resistance of joints in low-carbon steel welded by the resistance process was not lower than that of joints made by submerged arc. The endurance limit of double-T beams joined by resistance welding with a slight weld reinforcement scarcely differed from the endurance limit of integral beams. The transition metal structure between weld reinforcement and base metal was fine-grained and homogeneous. The resistance welding process with continuous fusion is recommended for joining sheet and merchant bar steel, and it is recommended not to remove the surplus weld metal to

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

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S/125/60/000/012/002/014
A161/A030

Static and Vibration Resistance of Joints Welded From Large Sections by Resistance--Welding

reduce stress concentration. There are 9 figures and 3 Soviet references.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR (Electric Welding Institute "Order of the Red Banner of Labor" imeni Ye.O. Paton of the Academy of Sciences of the UkrSSR)

SUBMITTED: May 5, 1960

Card 3/3

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I.

Selecting a zone for the efficient preheating of the metal in contact butt. Avtom. svar. 14 no.4:28-34 Ap '61. (MIRA 14:4)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye. O. Patona AN USSR.
(Railroads—Rails—Welding)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

CHEREDNICHOK, V.T.; KUCHUK-YATSENKO, S.I.; SHATILO, V.G.

Resistance welding of flexible electric circuit elements to copper plates. Avtom. svar. 14 no.11:55-58 N '61. (MIRA 14:10)

1. Ordena Trudovogo Krasnogo Znameni institut elektrosvarki imeni Ye.O. Patona AN USSR.
(Electric circuits--Welding)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I.; CHEREDNICHOK, V.T.

Characteristics of contact butt welding of hot ingots, S. I. Kuchuk-IAtsenko, V.T.Cherednichok. Avtom.svar. 15 no.5:25-30 My '62. (MIRA 15:4)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye.O.Patona AN USSR.

(Electric welding)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S. I., kand. tekhn. nauk, starshiy nauchnyy sotrudnik

Operation of the rail welding machine. Put' i put khoz. 6 no.10:35-39 '62. (MIRA 15:10)

1. Institut elektrosvarki im. Ye. O. Patona, Kiyev.

(Railroads—Rails—Welding)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I.

Effect of the final stage of fusion on the quality of joints made by resistance welding. Avtom. svar. 15 no.7:36-42 Jl '62. (MIRA 15:7)

1. Ordena Trudovogo Krasnogo Znameni institut elektrosvarki imeni Ye.O Patona AN USSR.
(Electric welding--Quality control)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

CHEREDNICHOK, V. T.; KUCHUK-YATSENKO, S. I.

Contact fusion welding of insertion parts for reinforced concrete construction. Avtom. svar. 15 no.11:56-58 N '62. (MIRA 15:10)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye. O. Patona AN UkrSSR.

(Concrete reinforcement--Welding)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

SHAROV, I.F., kand. tekhn. nauk; KUZNETSOVA, V.N., inzh.; KUCHUK-YATSENKO, S.I., kand. tekhn. nauk; VOROB'YEV, A.A., inzh.; BUL'BA, T.G., inzh.; DOTSENKO, V.Ye., kand. tekhn. nauk, retsenzent; DOTSENKO, V.Ye., retsenzent; SHIYANOV, I.A., inzh., retsenzent; BERESTOVOY, Ye.I., inzh., red.; KHITROVA, N.A., tekhn.red.

[Equipment for rail welding] Oborudovanie dlia svarki rel'sov. [By] I.F.Sharov i dr. Moskva, Transzheldorizdat, 1963. 266 p. (MIRA 17:1)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

CHEREDNICHOK, V.T.; KUCHUK-YATSENKO, S.I.

Flash welding of abutting Kh15N60 and Kh20N80 alloy strips.
Avtom. svar. 16 no.10:76-81 O '63. (MIRA 16:12)

1. Institut elektrosvarki imeni Patona AN UkrSSR.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I.

Continuous flash welding of rails. Avtom, svar. 17 no.4:55-62 Ap '64 (MIRA 18:1)

1. Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I.; CHEREDNICHOK, V.T.

Welding of nonstandard rolled products is a potential for increasing the output of marketable merchandise. Avtom. svar. 17 no.7:67-74 Jl '64. (MIRA 17:8)

1. Institut elektrosvarki im. Ye.O. Patona AN UkrSSR.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, Sergey Ivanovich; LEBEDEV, Vladimir Konstantinovich; FURER, P.Ya., red.

[Resistance butt welding with a continuous flashing action] Kontaktnaia stykovaia svarka nepreryvnym oplavleniem. Kiev, Naukova dumka, 1965. 137 p. (MIRA 18:4)

1. Chlen-korrespondent AN Ukr.SSR (for Lebedev).

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L 3503-66 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/EWP(1)/EWA(c) MJW/JD/HM

ACCESSION NR: AP5023078 UR/0125/65/000/009/0008/0012

621.791.762

AUTHOR: Kuchuk-Yatsenko, S. I. (Candidate of technical sciences); Porostovets, B. A. (Engineer); Cherednichok, V. T. (Engineer); Neymark, L. S. (Engineer)

TITLE: Continuous flash welding of large work parts of 34KhN1M steel

SOURCE: Avtomaticheskaya svarka, no. 9, 1965, 8-12

TOPIC TAGS: flash welding, engine crankshaft, power welding equipment

ABSTRACT: 34KhN1M steel is of a type that is difficult to weld. Its overheating, as well as accelerated cooling, lead to the formation of hot cracks, particularly if the products made of this steel have a large cross sectional area, e.g. the crankshafts of heavy-duty engines and compressors, etc. Hence, the authors investigated the possibility of the flash-butt welding of these work parts -- a technique normally employed in the welding of rails, rolled stock, etc. The work parts investigated consisted of 100x100 mm specimens as well as natural 220-mm diameter crankshaft billets, welded in the K-190 flash-butt welding machine and postheated (heating to 860-870°C with subsequent oil quenching and high-tempera-

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ACCESSION NR: AP5023078

ture tempering at 620-630°C). In the course of the experiments the feasibility of the flash-butt welding of compact work parts measuring as much as 40,000 mm^2 in cross-sectional area, without the formation of hot cracks, was established. This method makes it possible to weld work parts measuring 30,000 to 40,000 mm^2 in cross sectional area by means of programmed-control welding machines with the relatively low power of 400-600 kva. Orig. art. has: 6 figures, 3 tables.

ASSOCIATION: Institut elektrosvarki im. Ye. O. Patona AN UkrSSR (Electric Welding Institute, AN UkrSSR)

SUBMITTED: 12Jan65 ENCL: 00 SUB CODE: IE, MM

NO REF SOV: 006 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUK-YATSENKO, S.I., SOLODOVNIKOV, [illegible], KOZLOV, [illegible].M.

Portable machine for the welding of rails on the track. Avtom. svar. 18 no.4:59-61 Ap '65. (MIRA 18:6)

1. Institut elektrosvarki imeni Patona AN UkrSSR (for Kuchuk-Yatsenko, Solodovnikov). 2. Proyektno-konstrukorskoye byuro putevykh kombaynov TSentral'nogo nauchno-issledovatel'skogo instituta Ministerstva putey soobshcheniya (for Kozlov).

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L 24811-66 EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(l) JD/HM/DJ

ACC NR: AP6007666 (N) SOURCE CODE: UR/0413/66/000/003/0039/0039

AUTHORS: Galyan, B. A.; Sakharnov, V. A.; Kuchuk-Yatsenko, S. I.; Moiseyenko, Ye. G.; Tishura, V. I.

ORG: none

TITLE: Machine for pressure butt welding of pipes and shafts. Class 21, No. 178425 [announced by Electric Welding Institute im. Ye. O. Paton of the AN UkrSSR (Institut elektrosvarki AN UkrSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 39

TOPIC TAGS: butt welder, butt welding, pipe

ABSTRACT: This Author Certificate presents a machine for pressure butt welding of pipes and shafts, containing centering and clamping mechanisms. These mechanisms consist of two clamping rings, one of which is connected to hydraulic cylinder push rods, while the other is connected to the cylinder bodies which press the pipes together with the help of clamping shoes during the welding process. To allow welding of parts of different diameter with intermittent heating, the clamping rings are equipped with auxiliary hydraulic cylinders, pushing

Card 1/2 UDC: 621.791.762.037

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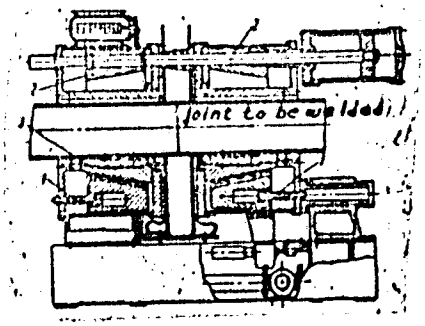
L 24811-66

ACC NR: AP6007666

axially on each clamping ring. The cylinders displace the clamping shoes toward the center of the machine (see Fig. 1).

Fig. 1. 1 - auxiliary cylinders;
2 - clamping rings;
3 - clamping shoes.



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 14Jan65

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

LUCHUKASHVILI, M. V., ZIRAKISHVILI, L. M., LOMIDZE, N. L., MARGASHVILI, G. M. and MGALOBLISHVILI, O. V.

"The Discovery of Toxoplasma Gondii in Rats in the Suburbs of Tbilisi."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Medical Parasitology Tbilisi

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KOSHURASHVILI, [illegible]; MEALOBLESHVILI, O.; BERADZE, N. and CHKONIYA, Z.

"The Results of the Intracutaneous Allergic Test for Certain Eye Diseases"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis, Moscow, 3-5 April 1961, publ. by Inst Epidemiology and Microbiology im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69pp.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

[illegible]KASHVILI, [illegible] V. and MMALOBLISHVILI, O.V.

"The Results of Research for Toxoplasmosis on Women with a Pathologic Pregnancy by the Intracutaneous Test"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis, Moscow, 3-5 April 1961, publ. by Inst Epidemiology and Microbiology im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69pp.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUKHIDZE, K.S., red.; IMNADZE, K.I., red. izd-va; BOKERIYA, E.B., tekhn. red.

[Handbook on safe use of short-delay blasting in Georgian coal mines]Rukovodstvo po bezopasnomu primeneniiu korotkozamedlennogo vzryvaniia v ugol'nykh shakhtakh Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 66 p. (MIRA 15:12)

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Institut gornogo dela.
(Georgia—Blasting)

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ZURABISHVILI, Irakliy Ivanovich, kand. tekhn. nauk; KUCHUKHIDZE, K.S., red.; ARDISHVILI, A.A., red.

[Underground mining of manganese deposits] Podzemnaia razrabotka margantsevykh mestorozhdenii. Tbilisi, Izd-vo AN Gruz. SSR, 1963. 407 p. (MIRA 17:5)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

1. KUCHUKOV, A. F., KOVTUN, A. T.

2. USSR (600)

4. Poultry - Feeding and Feeding Stuffs

7. Leading work practices in machine fattening of chickens. Pittsevodstvo no. 11, 1952.

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

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUKOVA, M.; LINGOVA, St.

Climate of the Black Sea, expressed in terms of weather. Trud Inst khidro meteor no.13:1-31 '62.

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15-1957-3-3079

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3, p 93 (USSR)

AUTHOR: Kuchukova, M. S.

TITLE: Vesuvianite from the Kara-Tyube Mountains (Vezuvian iz gor Kara-Tyube)

PERIODICAL: Zap. Uzbekist. otd. Vses. mineralog. o-va, 1955, Nr 8, pp 173-179

ABSTRACT: Vesuvianite in the region of the Kara-Tyube Mountains occurs in garnet-vesuvianite, pyroxene-vesuvianite, vesuvianite-zoisite, and other types of skarns, and it also occurs in independent bodies. It formed by replacement of alumino-silicate rocks, predominantly hornfels; locally it replaced limestones. Three types may be distinguished on the basis of age relations. The first two occur in skarns associated

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15-1957-3-3079

Vesuvianite from the Kara-Tyube Mountains

with intrusions of biotite granite; the third occurs in skarns related to alaskites. Type I consists of dark brown and light brown varieties. It is found in nests, lenses, and thin vein networks in marmorized limestones. Type II is green and greenish-gray, is frequently found in independent skarn bodies, and occurs at the contact with alumino-silicate rocks. Type III is colored some shade of muddy blue. It is concentrated in skarns that occur at the contacts with alaskites. For the most part the vesuvianite crystals are well formed, in elongated thin prisms, though locally stubby columnar individuals are formed, oriented parallel to each other or making up radiating aggregates. The hardness of the mineral ranges from 6 to 7. The vesuvianite has a vitreous luster, though a greasy luster is found in some specimens. In thin sections the mineral is completely colorless, though occasionally it is brownish with scarcely noticeable pleochroism. The indices of refraction for the differently colored vesuvianites range

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15-1957-3-3079

Vesuvianite from the Kara-Tyube Mountains

between the following limits: Nm 1.704 to 1.725 and Np 1.700 to 1.721; Nm--Np = 0.004. Brown vesuvianite has the highest refractive indices, blue the lowest. The differently colored varieties are differentiated chiefly by their content of Fe_2O_3 (from 1.12 to 4.65%), FeO (from 0.53 to 3.32%), TiO_2 (from traces to 3%), and Al_2O_3 (from 13.31 to 18.65%). The chemical composition of the vesuvianites is variable, even within each type. Brown vesuvianite is comparatively rich in Fe, Ti, and Mg, and poor in alumina. Greenish-gray vesuvianite contains less Fe, Ti, and Ca, but more alumina. Be, Sn, Cu, V, Ga, Ge, and other rare-earth elements are characteristically absent from all the vesuvianites of the Kara-Tyube Mountains. The color of the mineral depends on its impurities; for example, brown vesuvianite depends on the presence of Fe and Ti, whereas green is probably dependent on Cr. In addition to these impurities, the color is also apparently

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15-1957-3-3079

Vesuvianite from the Kara-Tyube Mountains

affected by the physico-chemical conditions that obtained at the formation of the skarns. Vesuvianite formed in the Kara-Tyube region both in alumino-silicate rocks and in carbonate rocks.

G.A.G.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUKOVA, M.S.

Effect of enclosing rocks on the composition of vein formations in the Kara-Tyube skarn field. Izv. AN Uz. SSR. Ser. geol. no.3: 63-67 '57. (MIRA 11:9)

(Kara-Tyube Mountains--Petrology)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

BATALOV, A.B.; BAYMUKHAMEDOV, Kh.N.; GAR'KOVETS, V.G.; ISAMUKHAMEDOV, I.M.; KUCHUKOVA, M.S.; MALAKHOV, A.A.; MATSOKINA, T.M.; MIREKHODZHAYEV, I.M.; MUSIN, R.A.; PETROV, N.P.; TULYAGANOV, Kh.T.; KHAMRABAYEV, I.Kh.

Winner of the Lenin Prize. Uzb.geol.zhur. no.2:94-96 '59.
(MIRA 12:8)

(Abdullaev, Khabib Mukhamedovich)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUKOVA, M.S.

Age and ore potential of lamprophyres of the Chakyl-Kalyan Mountains. Uzb. geol. zhur. 7 no.3:41-48 '63.
(MIRA 16:11)

1. Institut geologii imeni Kh.M. Abdullayeva AN UzSSR.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

ABDULLAYEV, Khabib Mukhamedovich, laureat Leninskoy premii, akademik (1912-); MAVLYANOV, G.A., akademik, glav. red.; BAYMUKHAMEDOV, Kh.N., doktor geol.-miner. nauk, prof., otv. red. toma; KHMRABAYEV, I.Kh., doktor geol.-miner. nauk, red.; BORISOV, O.M., kand. geol.-miner. nauk, red.; GOR'KOVOY, O.P., kand. geol.-miner. nauk, red.; KUCHUKOVA, M.S., kand. geol.-miner. nauk, red.; MATSOKINA, T.M., kand. geol.-miner. nauk, red.; MUSIN, R.A., kand. geol.-miner. nauk, red.; PETROV, N.P., kand. geol.-miner. nauk, red.; LYUBETSKAYA, R.Kh., red.; NURATDINOVA, M.R., red.

[Collected works] Sobranie sochinenii. Tashkent, Izd-vo "Nauka" UzSSR. Vol.1. 1964. 493 p. (MIRA 17:6)

1. AN Uzbekskoy SSR i chlen-korespondent AN SSSR (for Abdullayev). 2. AN Uzbekskoy SSR (for Mavlyanov).

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

ABDULLAYEV, Kh.M.; RUSIN, R.A., kand. geol.-min. nauk, otv. red.; MAVLYANOV, G.A., akademik, glav. red.; BAYLUKHAMEDOV, Kh.N., doktor geol.-min. nauk, red.; KHAMRABAYEV, I.Kh., doktor geol.-min. nauk, red.; BORISOV, O.M., kand. geol.-min. nauk, red.; GOR'KOVOY, O.F., kand. geol.-min. nauk, red.; KUCHUKOVA, M.S., kand. geol.-min. nauk, red.; MATSOKINA, T.M., kand. geol.-min. nauk, red.; SPEKTOR, L.Ye., red.

[Collected works] Sobranie sochinenii. Tashkent, Nauka, Uzbekskoi SSR. Vol.3. 1964. 448 p. (MIRA 18:2)

1. Akademiya nauk Uzbekskoy SSR (for Mavlyanov).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHULORIYA, N.D.

Fauna in the Akhaltsikhe upper Eocene basin. Vest. LGU 14 no.24:93-98 '59. (MIRA 12:12)
(Akhaltsikhe region--Paleontology)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHULORIYA, N. D., Cand Geolog-Mineralog Sci (diss) --- "The paleoecology of the Late Eocene fauna of the Akhaltsikhe basin". Leningrad, 1960. 18 pp (Leningrad Order of Lenin State U im A. A. Zhdanov, Georgian Polytech Inst im V. I. Lenin), 225 copies (KL, No 10, 1960, 127)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

[illegible] : USSR
[illegible] : Cultivated Plants, Medicinal, Essential [illegible] Bearing, Toxins.
[illegible] : Ref Zhur-Biologiya, No.1, 1959, No [illegible]
[illegible] : Kuchiloriya, T L.
[illegible] : Sukhumsk Zonal Experimental Station of Essential [illegible]
TITLE : Dynamics of Phosphorus in Leaves of the Park Geranium and Patchouli
[illegible] : Tr. Sukhumsk. Zonal'n. opytn. st. efirnomasliehn. kul'tur, 1957, vyp. 2, [illegible]
ABSTRACT : To develop rational times for placing phosphorus fertilizer under park geranium and patchouli plants the dynamics of phosphorus content in the leaves was studied. The [illegible] plants were cultivated in [illegible] pots. The accumulation of phosphorus was studied by radioactive marking by applying the phosphorus isotope P^{32}. Determinations were made of the leaf veins. Radioactive phosphorus content was characterized in mg of P_2O_5 on 100 [illegible] Oil Bearing Crops

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[illegible]

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[illegible] : Ref Zhur-Biologiya, No.1, 1959, No. 1890
TITLE :
[illegible] :
ABSTRACT : cm^2 of leaf area. It was demonstrated that the patchouli plants began to react faster to phosphorus fertilizer than the geranium, and that after rooting the radiophosphorus content in the leaves of both the geranium and patchouli held at about the same level throughout vegetation.--A.G. Vyatkina

CARD: 2/2

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHULORIYA, T.L.; AZAREVICH, O.I.; MILYANOVSKIY, Ye.S.

Some notes on the collection of artilces "Plant introduction and landscape gardening." Bot. zhur. 45 no.11:1704-1705 N '60.
(MIRA 13:11)

1. Sukhumskaya opytnaya stantsiya efiromaslichnykh kul'tur.
(Aromatic plants)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUMOV, A.P.

Survey of breeding work on potatoes for industrial use. Trudy VNIISP no.4:5-23 '54. (MIRA 8:12)
(Potato breeding)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

8(0) SOV/112-59-4-6969

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, p 77 (USSR)

AUTHOR: Kuchumov, A. P.

TITLE: Some Problems of Commutation

PERIODICAL: Sb. nauch. tr. Tomskiy elektromekhan. in-t inzh. zh.-d.transporta, 1957, Vol 24, pp 19-40

ABSTRACT: The voltage drop in an armature coil is analyzed according to the classical theory of commutation. At variance with the classical theory, the additional current of a short-circuited coil is regarded, not as a difference between the true current and the straight-line commutation current, but as a difference between this current and a current in the coil that would have no inductance. As the resistances of the circuit being commutated increase, the influence of the brush-contact voltage drop ΔU upon the course of the commutation process decreases. And conversely, as the above resistances decrease, the influence of ΔU grows, and the brush quality becomes more

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Some Problems of Commutation

important. The simplest type of "commutation" is a brush resting on a slip ring, when ΔU exercises a major influence upon the "commutation," as the parameters of the "circuit being commutated" are equal to zero in this case. For this reason, an exhaustive study of volt-ampere characteristics of the contact between the brush and slip ring is of exceptional importance for the theory of commutation.

S.A.P.

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KUCHUMOV, A.P., VENIKOV, V.A., SOKOLOV, N.I., GRUZDEV, I.A., LUGINSKIY, YA.N.

"Analogue computer application for analysis of transient processes in electrical systems."

Report to be submitted for the 19th Biennial Session, Intl. Conf. on Large Electric Systems(CIGRE), Paris, France, 16-26 May '62.

VENIKOV, Moscow Power Engineering Inst. im V.M. Molotov
SOKOLOV, " " " " " "
GRUZDEV, Leningrad Polytechinal Inst. im M.I. Molotov
KUCHUMOV, none given
LUGINSKIY, All-Union Scientific Research Inst. Electro Power Engineering

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KUCHUMOV, Aleksey Petrovich, kand.tekhn.nauk, dotsent; TRUSHKOV, Anatoliy Mikhaylovich, assistent

Effect of the disruption of the even surface of a collector on the operation of the brush contact. Izv.vys.ucheb.zav.; elektromekh. 5 no.1:101-104 '62. (MIRA 15:2)

1. Kafedra elektricheskikh mashin Tomskogo elektromekhanicheskogo instituta inzhenerov zheleznodorzhnogo transporta.
(Electric machinery)

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KARADEV, M. F., doktor tekhn. nauk, prof.; KUCHIMOV, A. P., kand. tekhn. nauk, dotsent; TRUCHKOV, A. M., kand. tekhn. nauk, dotsent; PARAMZIN, V. P., inzh.

Commutation of electric traction motors under actual operating conditions and methods for studying it. Trudy OMIIT 37:32-42 '62. (MIRA 17:5)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUMOV, A.P., kand.tekhn.nauk, dotsent; SYNOROV, V.F., kand.tekhn.nauk, dotsent

Physical processes in the brush contact. Trudy OMIIT 40:189-203. '63. (MIRA 18:8)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

KUCHUMOV, Konstantin Aleksandrovich, uchitel' biologii

Let's preserve the green pearl. IUn. nat. no.5:18-19 '58.
(MIRA 11:5)

1.Borovskaya shkola, Poselok Koltubanka, Orenburgskaya oblast'.
(Buzuluk Pine Forest)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

GRUZDEV, Igor' Aleksandrovich; KADOMSKAYA, Kira Panteleymonovna; KUCHUMOV, Leonid Aleksandrovich; LUGINSKIY, Yakov Natanovich; PORTNOY, Marlen Gdalevich; SOKOLOV, Nikolay Ivanovich; NIKOLAYEVA, M.I., red.

[Use of analog computers in electric power systems; methods for studying transient processes] Primenenie analogovykh vychislitel'nykh mashin v energeticheskikh sistemakh; metody issledovanii perekhodnykh protsessov. [By] I.A.Gruzdev i dr. Moskva, Energiia, 1964. 407 p. (MIRA 18:2)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

GRUZDEV, I.A.; KUCHUMOV, L.A.; MAKSIMOV, Yu.A.

Mathematical modeling of networks with rectifying components. Trudy LPI no.242:67-74 '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000827110015-6

GRUZDEV, I.A.; KUCHUMOV, L.A.; FODOKSIK, V.Ya.

Mathematical modeling of an asynchronous load. Trudy LPI no.242:136-144 '65. (MIRA 18:8)

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