

L 17162-63 EWT(1)/FCC(w)/FB(v)-2/BDS/ES(v) AFFTC/AFMDC/ESD-3

Pe-4/Pi-4/Po-4/Pq-4 TT/GW

ACCESSION NR: AP3007339

S/0293/63/001/001/0113/0125 78

AUTHOR: Borisenkov, Ya. P.; Doronin, Yu. P.; Kondrat'yev, K. Ya.

TITLE: Structural characteristics of the earth's radiation field as a planet

SOURCE: Kosmicheskiye issledovaniya, v. 1, no. 1, 1963, 113-125

TOPIC TAGS: Tiros II, outgoing radiation, radiation field, weather satellite, isotropy, atmospheric absorption band, atmospheric window, terrestrial thermal radiation

ABSTRACT: A statistical investigation has been made with the Ural-2 computer of the fields of outgoing radiation (earth's surface to atmospheric system) based on data obtained on channels 1, 2, and 4 of Tiros II and later presented in the Tiros II Radiation Data Catalogue (1961). The mean and most probable values of the structural and correlation functions for each of the 52 orbits are presented. The isotropy of these functions was found to be

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best achieved for integral radiation and most poorly for radiation in the absorption band of water vapor. The change in structural functions is seen to occur rapidly at the onset and then ceases to grow for all practical purposes. Correlations are made between the structural characteristics of the fields of integral outgoing radiation and outgoing radiation in the "atmospheric window" (8 to 12 μ), and between the radiation fields and the meteorological parameters of the atmosphere. Orig. art. has: 6 figures and 24 formulas.

ASSOCIATION: none

SUBMITTED: 20Feb63

DATE ACQ: 21Oct63

ENCL: 00

SUB CODE: AS

NO REF SOV: 004

OTHER: 006

Card 2/2

ACCESSION NR: AR4015471

8/0169/63/000/012/B025/B026

SOURCE: RZh. Geofizika, Abs. 12B150

AUTHOR: Doronin, Yu. P.

TITLE: Thermal balance of the Central Arctic

CITED SOURCE: Tr. Arktich. i Antarkt. n.-i. in-ta, v. 253, 178-184 - 1963

TOPIC TAGS: thermal balance, turbulent flux, heat balance, Arctic research

TRANSLATION: The values of the turbulent flux of heat between the ice and atmosphere P and the loss of heat by evaporation from the underlying surface LE in the Central Arctic are determined according to data of gradient observations on "Severnnyy Polnyus" [North Pole] drifting stations. In cases when there are air temperature and humidity data for only one level in the ground surface layer, approximate computations are made using radiosonde data collected according to a method proposed in a previous work by the author (see: RZhFiz., No. 8, 1960, 9006). Mean-monthly and mean-annual values of P and LE are given. Also given is an estimate of other components of heat balance of ice connected with ice-formation, melting of

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ice and the thawing of snow. From the conditions locking in the heat balance it was found that the radiation balance of the underlying surface in the Central Arctic is negative on the average for the year and consists of -2 kcal/cm^2 . The problem of the heat balance of leads [open water] is examined. The approximate solution of an equation for the steady transformation of a moving air mass with a given difference between the temperatures of the lead's surface and the surrounding ice fields is used for this purpose. M. Berlyand.

DATE ACQ: 09Jan64

SUB CODE: AS, PH

ENCL: 00

Card 2/2

DORONIN, Y. P., KONDRATIEV, K. Y. and BORISENKOV, Ye. P. (Acad. Sci. USSR)

"Structural Characteristics of the Radiative Field of the Earth as a Planet"

Report presented at the COSPAR, 5th Intl Space Science Symposium, Florence,
Italy, 8-20 May 1964

BORISENKOV, Ye.P.; DORONIN, Yu.P.

Use of artificial earth satellites for studying the polar regions.
Probl. Arkt. i Antarkt. no.17:5-13 '64.

(MIRA 18:4)

DORONIN, Yu.P.

Methodology of calculating the thickness and temperature of
ice. Trudy ANII 267:127-142 '64 (MIRA 18:1)

DORONIN, Yu.P.

Approximate calculation of the convective overturn in the upper
layers of the sea. Trudy AANII 271:82-88 '64.

(MIRA 18:2)

DORONIN, Yu.P.; GRUSHKINA, A.S.

Calculation of the influence of thermal factors on the compaction
of ice in packs. Trudy AANII 271:89-96 '64.

(MIRA 18:2)

L 53987-65

EWG(1)/EWG(v) Po-1/Pae-2 GW

ACCESSION NR: AP5015671

UR/0293/65/003/003/0433/0443
551.521.32:629.195.2

32
B

AUTHOR: Borisenkov, Ye. P.; Doronin, Yu. P.; Kondrat'yev, K. Ya.

TITLE: Structural characteristics of fields of outgoing radiation according to data of the artificial satellites Tiros II and Tiros III and their interpretation

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 3, 1965, 433-443

TOPIC TAGS: radiation field, structural function, satellite, shortwave radiation, correlation function, upwelling radiation

ABSTRACT: The structure of the radiation field leaving the earth's atmosphere was studied on the basis of radiation data catalogs of the satellites Tiros II and Tiros III, which characterize the winter and summer radiation fields. A special coefficient was introduced for comparing the radiation measured by the two satellites. Structural functions of integral radiation obtained from measurements made by the two satellites differ from one another, and the difference increases with distance. The shortwave radiation measured by these satellites depended upon the reflectivity of the clouds and ground of the regions over which they flew. Structural functions of radiation fields obtained from satellite measurements also differ. It is more

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convenient to use correlation functions and compute the spectral density since it is independent of the filter transmission. The analysis of data obtained by Tiros III led to the conclusion that the radiation field is isotropic in a space extending 1000—2000 km. Reliable results about upwelling radiation may be obtained by performing measurements at points close to each other. Orig. art. has: 2 tables, 2 figures, and 11 formulas. [EG]

ASSOCIATION: none

SUBMITTED: 24Mar64.

ENCL: 00

SUB CODE: AA

NO REF SOV: 004

OTHER: 008

ATD PAGES: 4021

Card 2/2

DORONINA, L.A. (Gimol'sk)

Birth of a giant fetus. Fel'd. i akush. 27 no.2:43 F '62.
(LABOR, COMPLICATED) (MIRA 15:3)

ACCESSION NR: AP4013330

S/0020/64/154/003/0624/0626

AUTHOR: Batsanov, S. S.; Doronina, L. M.; Podberezskaya, N. V.

TITLE: Chromium chalcogenosulfides

SOURCE: AN SSSR. Doklady*, v. 154, no. 3, 1964, 624-626

TOPIC TAGS: chromium chalcogenosulfide, chromium selenide sulfide, chromium sulfide telluride, chromium sulfide, chromium oxide sulfide, chromic oxide, crystal lattice, x-ray constants, thermogram, synthesis

ABSTRACT: CrS was prepared by elemental synthesis by graduated heating from 360 to 900C. Cr₂S₂Se and Cr₂S₂Te were prepared by fusing CrS with precise amounts of Se or Te at 240 and 500C for 30 and 35 hours, respectively. Physical data (density, x-ray, thermograms) and chemical analysis established the identity and individuality of each of these compounds despite the lattices of the Se and Te compounds are similar to that of CrS. CrS, heated in air, undergoes polymorphic transition at 330C, but does not change in weight or appearance. At 580C it is

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oxidized to $\text{Cr}_2\text{S}_2\text{O}$, and at 730C to Cr_2O_3 . X-ray constants are given for all the compounds. Orig. art. has: 3 figures, 2 tables, and 3 formulas.

ASSOCIATION: Institut neorganicheskoy khimii Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Inorganic Chemistry, Siberian Branch, AN SSSR)

SUBMITTED: 13Aug63

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: GC

NO REF SOV: 006

OTHER: 002

Card 2/2

USSR / Human and Animal Morphology (Normal and Pathological).
Cardiovascular System.

S

Abs Jour : Ref Zhur: - Biol., No 21, 1958, No 97097
Author : Doronina, L.V.
Inst : Smolensk Medical Institute
Title : On Surgical Anatomy of Veins of the Liver.
Orig Pub : Tr. Smolenskogo med. in-ta, 1957, 6, 234-242

Abstract : It was shown on the liver of 60 humans at ages of 1 month - 70 years, by the method of preparation, roentgenography and corrosion, that by magistral type of formation, the veins of the liver exceed the vena porta in diameter. On their entire length they are non-collapsible. In hepatic veins, as well as in muscular sphincters at the place of their merger into the vena cava inferior, no valves were found. The author considers the liver to be a unilobar organ since its lobes have no isolated blood supply. Veins of the liver anastomose profusely with each other, which is important to bear in mind in surgical interventions.

Card 1/1

DORONINA, L. V., Cand Med Sci -- (diss) "Surgical anatomy of hepatic veins." Smolensk, 1960. 34 pp; (Smolensk State Medical Inst); 350 copies; price not given; (KL, 17-60, 168)

Fedorov, M. K., Antonov, V. S., Doronina, N. A., Gidrologiya rek Sovetskoy
Arktiki (Hydrology of the rivers of the Soviet Arctic), Leningrad Morsk. Transport
(Marine Transport), 1956, 96 pages (I.RZhGeofiz 11/57-9884 K) (Book)

DORONINA, N.A.

Some meteorological characteristics of the northeastern part
of Faddey Island. Trudy AANII 224:133-142 '63 (MIRA 18:1)

DORONINA, N.A.

Use of rain floods for navigation on the Lena. Probl. Arkt. 1
Antarkt. no.17:54-60 '64. (MIRA 18:4)

DORONINA, N.D.; TELEGIN, M.Ya.

Efficient design for mechanized bitumen plants. Avt.dor. 19 no.4:
24-25 Ap '56. (MLBA 9:8)

(Bituminous materials)

TELEGIN, Mikhail Yakovlevich; DORONINA, Natal'ya Dmitriyevna; YEGOZOV,
V.P., red.; MAL'KOVA, N.V., tekhn.red.

[Mechanized bitumen supply bases] Mekhanizirovannye bitumnye
bazy. Moskva, Nauchno-tekhn.isd-vo avtotransp.Mit-ry, 1958.
100 p.

(Bitumen)

(MIRA 12:6)

TELEGIN, M.Ya., kand. tekhn. nauk; DORONINA, N.D., inzh.

Efficient length for road sections serviced by line subdivisions.
Avt. der. 21 no.12:17-19 D '58. (MIRA 12:1)
(Roads--Maintenance and repair)

DORONINA, N. K.

DORONINA, N. K. -- "Experiment in Treating Suppurative-Septic Diseases with Penicillin Ionophoresis (Clinical-Experimental Investigation)." Khar'kov Medical Inst. Stanislav-L'vov, 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

DORONINA, N.K., kand.med.nauk (L'vov, ul.Pozharskogo, d.5,kv.7)

Studies on gas metabolism and the respiratory function of the blood in experimental acute diffuse purulent peritonitis. Transfusions of whole blood and its components. Nov. khir. arkh. no.4:85-89 J1-Ag '60. (MIRA 15:2)

1. 1-ya gorodskaya bol'nitsa L'vova. Nauchnyy rukovoditel' raboty - zav. kafedroy propadevtiki khirurgii Stanislavskogo meditsinskogo instituta prof. D.L.Rotenberg.
(BLOOD, GASES IN) (BLOOD--TRANSFUSION)
(PERITONITIS)

DORONINA, N.K., kand.med.nauk

Gas exchange, hemodynamics, and respiratory function of the blood
in acute diffuse peritonitis. Voen.-med. zhur. no.8:37-42 Ag '61.
(MIRA 15:2)

(PERITONITIS)

(RESPIRATION)

(BLOOD)

DORONINA, N.K., kand.med.nauk

Gas exchange, hemodynamics, and respiratory function of the blood
in experimental acute diffuse peritonitis and its treatment.
Vrach. delo no.8:38-45 Ag '61. (MIRA 15:3)

1. Pervaya gorodskaya bol'nitsa g. L'vova, Nauchnyy rukovoditel' -
zav. kafedroy propodevticheskoy khirurgii Stanislavskogo meditsinskogo
instituta professor D.L. Rotenberg.

(RESPIRATION)

(BLOOD)

(PERITONITIS)

Chrome leather. O. M. GILMAN, M. C. [unclear]
 V. L. Salerno, N. J. Burkhin, and N. N. Buronina.
 U.S.P. 1,061,131, Jun. 25, 1933. The tanning of chrome
 leather, such as calfskin, tanned calf leather and half-skin,
 is carried out in 2 stages, the 1st lasting half the time of the
 2nd. The curing is done between the 2nd stage of tanning.
 The drying is done at 50°C, and the stretching at a mois-
 ture content of 20-25%. For drying, the skins are glued
 to sheets with an admixture of sulfonated fish oil and starch
 or a decoction of faxeed and casein to which is added a
 synthetic resin, e.g., polyvinyl acetate, or an acrylic resin.

8

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2 May

PTM
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BELYAYEV, A.V.; GRIGORIADI, M.G.; DORONINA, N.H.

New developments in the finishing technology of hide chrome
leather for shoe uppers in the Moscow Leather Combine. Kosh...
obuv.prom. 4 no.12:31-32 D '62. (MIRA 16:1)
(Moscow--Leather Industry)

VASIL'YEV, Vladimir Grigor'yevich; ~~DORONINA, I., red.;~~ FOKHLEBKINA, M.,
tekhn. red.

[Ways to improve production quality] Puti povysheniia ka-
chestva produktsii. Moskva, Mosk. rabochii, 1963. 69 p.
(MIRA 17:2)

SELIVANOV, Timofey Alekseyevich; DCRONINA, R., ed.

[Two-year plan for the construction of apartment houses and buildings serving cultural and public needs in Moscow] Dvukhletni plan zhilishchnogo i kul'turno-bytovogo stroitel'stva v Moskve. Moskva, Mosk. rabochii, 1964. 46 p. (MIRA 17:5)

1. Predsedatel' Moskovskoy gorodskoy planovoy komissii (for Selivanov).

TEREKHOVA, Lyubov' Andreyevna; DORONINA, R., red.; SHLYK, M.,
tekhn. red.

[Analysis of the regular flow of production of an enter-
prise] Analiz ritmichnosti raboty predpriatiia. Moskva,
Mosk. rabochii, 1964. 60 p. (MIRA 17:3)

LEVITIN, I.A.; POLOSIN, Ye.N.; BYSTROVA, Z.L.; LADYNINA, E.F.; DORONINA, T.P.

Intensifying the production of resorcinol-formaldehyde solutions
for latex impregnation compounds. Kauch.i rez. 21 no.1:47-49 Ja
'62. (MIRA 15:1)

1. Moskovskiy shinnyy zavod.
(Tire fabrics)

RUMYANTSEV, Pavel Mikhaylovich, podpolkovnik militsii; DORONINA, R.,
red.; KUZNETSOVA, A., tekhn. red.

[Merciless war on drunkenness] P'ianstvu -- besposhchad-
nuiu voimu. Moskva, Mosk. rabochii, 1963. 62 p.
(MIRA 17:1)

(Alcoholism)

LEVITIN, I.A.; POLOSIN, Ye.N.; KALACHEVA, A.V.; DCRONINA, T.P.

Polarographic study of the condensation of resorcinol with formaldehyde
in solutions used in the preparation of latex impregnation compounds.
Kauch.i rez. 21 no.7:46-49 J1 '62. (MIRA 15:7)

1. Moskovskiy shinnyy zavod.
(Resorcinol) (Formaldehyde) (Polarography)

DORONINA, T.V., kand.med.nauk

Variations in the nerve structure of the back of the human
hand. Zdrav.Belor. 3 no.10:34-37 0 '57. (MIRA 13:6)

1. Iz kafedry anatomii cheloveka (sav. - prof. D.M. Golub)
Minskogo meditsinskogo instituta.
(HAND--INNERVATIONS)

DORONINA, T.V.

USSR/Morphology of Man and Animals (Normal and Pathologic). S-1
Research Methods and Technique.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16976

Author : Doronina, T.V., Pashuk, V.P.

Inst : -

Title : The Use of Neurohistologic Methods for the Study of
Trichinella - Infested Muscles.

Orig Pub : Zdravookhr. Belorussii, 1956, No 8, 44-46

Abstract : The Kampos method, as modified by the authors, gives the best results for visualization of Trichinellae. Frozen sections were washed in distilled water, transferred to a 10% silver nitrate solution for 2-3 minutes until a light-yellow tinge appeared, rinsed in distilled water, successively transferred through 4 portions of 0.5% formalin solution, kept in 10% ammonical silver for 2-3 minutes and thoroughly washed in distilled water. Impregnated Trichinellae assume a brown, nerve fibers a black

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5(4)

AUTHORS:

Tager, A. A., Tsilipotkina, M. V., Doronina, V. K. SOV/76-33-2-16/45

TITLE:

The Effect of the Molecular Weight of Vitreous Polymers on the Packing Density of Their Chains (Vliyaniye molekulyarnogo vesa stekloobraznykh polimerov na plotnost' upakovki ikh tsepey). II. Polymethyl Methacrylates (II. Polimetilmetakrilaty)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol. 33, Nr 2, pp 335 - 341 (USSR)

ABSTRACT:

An estimate of the packing density of polymer chains can be obtained by a determination of the heat of solution (HS) and the sorption isotherms (Refs 1-3), as well as from the change in entropy (E) of the solvent (Refs 4,5). In this way the packing of polystyrene (Refs 1-4), cellulose (Ref 6), and polyvinyl alcohol (Refs 5,7) were determined. The data on the integral HS of polymethyl methacrylates (I) show (Ref 10) that an increase of the molecular weight to $M = 10000$ leads to a loosening which varies slowly but continuously with a further increase in E. For this reason three samples of (I) were chosen; sample 1 with $M = 1-3.06 \cdot 10^6$; sample 2 with

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The Effect of the Molecular Weight of Vitreous Polymers SOV/76-33-2-16/45
on the Packing Density of Their Chains. II. Polymethyl Methacrylates

$M = 2.4 \cdot 10^5$; and sample 3 with $M = 1932$. The preparation of the samples has been described previously (Ref 10). Sorption isotherms of dichloroethane (II) and methyl isobutyrate (III) on (I) were investigated, and the (HS) of (I) in (II) (Figs 1,2) was determined; from the data obtained values for $\Delta\mu_1$, ΔH_1 , and $\Delta \bar{S}_1$ were calculated. It was found that (II) is more closely related to (I) than is (III). The sorption isotherms (Fig 3) of (II) on 3 samples of (I) give a picture analogous to that of polystyrene of various molecular weights. The function curves of the (HS) (Fig 5) of the solvent-composition show that with an increase in M the (HS) becomes positive. The marked decrease in the (E) of the solvent in sorption on the samples with high M cannot be explained only by the orientation of the solvent molecules on the groups of the polymer. This observation (Fig 7) is explained by a loose packing of very long, rigid chains which require a longer time for "consolidation". The looser packing thereby evidences a relaxation. With the increase in the M of the vitreous polymers the packing loosens and

Card 2/3

The Effect of the Molecular Weight of Vitreous Polymers SOV/76-33-2-16/45
on the Packing Density of Their Chains. II. Polymethyl Methacrylates

thus increases the sorptivity, which occurs with an increased heat effect and a decrease in (E). The analogy between loosely-packed, high-molecular weight glasses and solid porous colloidal sorbents is only valid during the beginning stage of the sorption. There are 7 figures and 18 references, 15 of which are Soviet.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet im. Gor'kogo, Sverdlovsk
(Ural State University imeni Gor'kiy, Sverdlovsk)

SUBMITTED: July 8, 1957

Card 3/3

DORONINA, V. N.

USSR/Minerals - Spectral analysis

Card 1/1 Pub. 43 - 76/97

Authors : Gruzdeva, N. I.; Doronina, V. N.; and Fedorov, M. P.

Title : Quantitative spectral analysis of low-grade ore concentration products

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, 289-290, Mar-Apr 1954

Abstract : The results obtained during quantitative spectral analysis of low-grade ore concentration products are briefly summarized. The method applied in carrying out the analysis is explained.

Institution : The "MEKHANOB" Institute

Submitted :

DORONINA, V.P.; BATSANOVA, L.R.

Solubility of lanthanum fluoride in beryllium nitrate solutions.
Izv. SO AN SSSR no.3 Ser. khim. nauk no.1:128-130 '55.

(MIRA 18:8)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya
AN SSSR, Novosibirsk.

DORONINA, V.V.

Use of the TSAM 10-5 zinc antifriction alloy in railroad
transportation of peat enterprises. Torf. prom. 36 no.5:32-33
'59. (MIRA 13:1)

1. Demikhovskiy mashinostroitel'nyy zavod.
(Peat--Transportation) (Zinc alloys) (Bearings (Machinery))

DORONINA, V.Y., inzh., KUSTAREV, G.G., inzh.

For a wider adoption of technological assemblies by machine-
building plants. Torf.prom. 37 no.1:26-27 '60.

(MIRA 13:6)

1. Demikhovskiy mashinostroitel'nyy zavod.
(Machinery industry)

DORONINA, Yu.A.

Quillwort *Isoetes asiatica* Makino, a new species in the flora of the Maritime Territory. Bot. zhur. 46 no. 5:733 My '61. (MIRA 14:7)

1. Sikhote-Alinskiy gosudarstvennyy zapovednik.
(Maritime Territory—Quillwort)

DORONINA, Yu.A.

New plants in the flora of the Uda region. Bot. zhur. 50 no.3:403-404 Mr '65. (MIFA 18:5)

1. Biologo-pochvennyy institut Dal'nevostochnogo filiala Sibirskogo otdeleniya AN SSSR, Vladivostok.

DORONINA, Yu.A.

Flora and vegetation in the basin of the Uda River (Khabarovsk Territory). Izv. SO AN SSSR no.8: Ser. biol.-med. nauk no.2:23-27 '65. (MIRA 18:9)

1. Biologo-pochvennyy institut Sibirskogo otdeleniya AN SSSR, Vladivostok.

DORONINA, Z.P.

Work of a nurse at a clinic. Med. sestra no.11:28-29 H '54.

(MLRA 7:12)

1. Meditsinskaya sestra 34-y bol'nitsy Sokol'nicheskogo rayona,
Moskva.

(NURSING PROFESSION
in Russia, work in hosp.)

DORONINA, Z.P., meditsinskaya sestra

Rendering first aid at a health center in acute cardiac diseases.
Med.sestra 16 no.1:28-30 Ja '57. (MLRA 10:2)

1. Gorodskaya bol'nitsa no.34, Moskva.
(FIRST AID IN ILLNESS AND INJURY)
(HEART--DISEASES)

DORONKIN, E. Ye.

Mail and baggage trains on main railroad lines. Vest. svyazi
24 no.12:22-23 D '64 (MIRA 18:2)

1. Starshiy dispetcher Glavnogo pochtovogo upravleniya Ministerstva svyazi SSSR.

DORONKIN, Ye., F., Cand Tech Sci (diss) "Certain questions on the theory and practice of transistorized multivibrators," Kiev, 1960, 14 pp (Kiev Polytechnical Institute) (KL, 39-60, 115)

9.2560;9.4310

81119
S/142/60/000/01/012/022
E140/E463

AUTHOR: Doronkin, Ye.F.
TITLE: Analysis of Transistor Multivibrator with Emitter-
Circuit Capacitance
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,
1960, Nr 1, pp 106-111 (USSR)
ABSTRACT: In usual transistor multivibrators with collector-base
coupling using germanium transistors types P15 the
repetition period varies by 15 to 25% with temperature
variation from 20 to 80°C. The principal cause of this
is the dependence of the cutoff collector current on
temperature which affects the discharge of the time-
determining condensers. The present article analyses
a multivibrator with the principal time constant in the
emitter circuit. Experimentally it was found that in
the temperature range of 20 to 80°C, the repetition period
variation did not exceed 2 to 3%. Table 1 indicates the
satisfactory agreement of experimental and calculated
parameters of the multivibrator. There are 5 figures,

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X

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Analysis of Transistor Multivibrator with Emitter-Circuit
Capacitance

1 table and 4 references, 2 of which are Soviet and
2 English.

SUBMITTED: May 8, 1959, initially
September 21, 1959, after revision

Card 2/2

X

DORONKIN, Ye. N.

Temperature stabilization of the time parameters of pulses
from transistor multivibrators. Izv. vys. ucheb. zav.;
radiotekh. 2 no.6:672-678 N-D '59. (MIRA 13:6)

1. Rekomendovana kafedroy radipriyemnykh ustroystv
Kiyevskogo ordena Lenina politekhnicheskogo instituta.
(Transistors) (Pulse techniques (Electronics))

DORONKIN, Ye.F.

Analysis of a transistor multivibrator with capacity in its emitter circuit. Izv.vys.uchab.zav.; radiotekh. 3 no.1:106-111 Ja-11
'60. (MIRA 13:8)

1. Rekomendovana kafedroy radiopriyemnykh ustroystv Kiyevskogo
ordena Lenina politekhnicheskogo instituta.
(Oscillators, Electric)
(Transistors)

11

9,4310

S/109/60/005/07/022/024
E140/E163

AUTHOR: Doronkin, Ye.F.

TITLE: Self-Excitation Regimes of a Symmetrical Transistor
Multivibrator

PERIODICAL: Radiotekhnika i elektronika, Vol 5, No 7, 1960,
pp 1186-1188 (USSR)

ABSTRACT: The existence of various types of excitation regimes for transistor multivibrators is considered with respect to active or saturated operating conditions of the transistors. Five qualitatively different zones are found on the excitation diagram, all of which have been experimentally observed. There are 4 figures and 6 references, of which 2 are English and 4 Soviet.

SUBMITTED: November 9, 1959

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Card 1/1

DORONKIN, Yevgeniy Filippovich; VOSKRESENSKIY, Vladimir Vladimirovich;
MAKOVEYEV, V.G., otv. red.; TSEYTLIN, F.G., red.

[Transistorized pulse generators] Tranzistornye generatory
impul'sov. Moskva, Sviaz', 1965. 237 p. (MIRA 18:?)

SIMONTOV. Isaak Moiseyevich, kand. tekhn. nauk, ~~BOBONKIN~~, Ye.P., kand.
tekhn.nauk, retsenzent; TKACHENKO, L.N., inzh., red.

[Design of automatic gain control systems of radio
receivers] Proektuvannia system ARP radiopryimachiv.
Kyiv, Tekhnika, 1964. 109 p. (MIRA 17:9)

VEKHOV, V.A.; VITUKHNOVSKAYA, B.S.; DORONKINA, R.F.

Changes in solubility of germanium dioxide in water with an increase in temperature from 0 to 100°C. *Izv.vys.ucheb.zav.; khim.i khim.tekh.* 7 no.6:1018-1019 '64.

(MIRA 18:5)

1. Dnepropetrovskiy metallurgicheskiy institut, kafedra obshchey i neorganicheskoy khimii.

GOLUBYATNIKOV, B.P., insh. | DORON'KO, I.Ya., insh.

Automatic machine for pressing molds under high specific
pressure conditions. Mashinostroenie no. 618-9 N-D '65.
(MIRA 11:12)

DORONOV, A.M.

Calender roll safety device with automatic stop motion. Obs.
tekh.opyt. [MLP] no.10:21-28 '56. (MIRA 11:11)
(Textile machinery--Safety appliances)

DORONOV, A.M., inzh.

~~Device for branding continuously moving bands.~~ Izobr. v SSSR 3 no.3:
10-11 Mr '58. (MIRA 11:3)

(Marking devices)

DOROS, E; MAROS, L; SCHULEK, E.

Data on the hydrolysis of sulfur and chemistry of polysulfides.
In German. p. 291. ACTA CHEMICA. (Magyar Tudományos Akademia)
Budapest. Vol. 10, no. 1/3, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1956.

DOROS, Gabor, dr.

Cosmetic problems in gerontology. *Borogyogy. vener. szemle* 37 no.4:
154-160 J1 '61.

(COSMETICS) (GERIATRICS)

LUPASCU, Gh., prof.; CIOMANU, Ge., prof.; BUCSIC, ...
COSTIN, I., dr.; FLORESCU, I., dr.; BOZNEA, ...
dr. [deceased]; ...
dr.

Radication of an old form of anylestomiasis. Microbiologia
(Bucur.) 9 no.2:225-230. Bucuresti 1961.

1. Lucrare efectuata in ...
Statiunea de malarie-parazitologie din Timisoara si Centrul
antihelmintic din Arad.

DOROSENKO, I.M.

Program issued by the Society lists the following authors and titles of papers:

ROZDOLNOY, I.M., Professor, Odessa, "How natural
SULFONAMIDES behave in the upper respiratory
tracts"
MEN'SHINOV, Fedor K., Professor, Institute of
Nutrition, Moscow, "Dietetic treatment of ulcerous
disease"
PAPYRNOV, A. P., Professor, Leningrad Tuberculosis
Institute, "Light hunger in man"

Program is submitted for
PUBLICATION, CZECHOSLOVAKIAN SOCIETY OF
19th International Post-Graduate Medical
Course - Carlsbad, Czechoslovakia, 18-19
Sep 59

MITSYUK, B.M.; DOROSH, A.K.; SKRYSHEVSKIY, A.F.; VYSOTSKIY, Z.Z.

X-ray diffraction study of dehydration of silicic acid hydrogel.
Koll. zhur. 27 no.6:846-849 N-D '65. (MIRA 18:12)

1. Institut fizicheskoy khimii AN UkrSSR imeni L.V. Pisarzhevskogo
i Kafedra molekulyarnoy fiziki Kiyevskogo universiteta.

DOROSH, A.K.; SKRYNENKO, A.F.

Structural characteristics of near cation surrounding in aqueous solutions. Zhur. strukt. khim. 5 no.5:911-913 N-D '64. (MIRA 18:4)

1. Kiyevskiy gosudarstvennyy universitet.

DOROSH, F.P.

Vacuum method for drying the dust tubes with hygroscopic filters.
Bor'ba s sil. 2:215-218 '55. (MLRA 9:5)

1. Tsentral'naya laboratoriya Krivorozhskogo VOSO.
(DUST COLLECTORS)

OKONEVSKIY, A.F.; VYSOTSKIY, A.V.; DOROSH, F.P.

New apparatus for removing dust samples. Bor'ba s sil. 5:260-264 '62.
(MIRA 16:5)

(Dust--Removal)

DOROSH, I.I., inzh.

Ways of lowering electric power costs. Mekh. sil'. nos. 9

no. 4:20-21 Ap '58.

(MIRA 11:5)

(Electric power--Costs)

DOROSH, I., insh.

Evaluating the effectiveness of investments. Tekh. v
sel'khoz. 20 no.7:5-8 JI '60. (MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut ekonomiki
i organisatsii sel'skogo khozyaystva.
(Farm mechanisation) (Agriculture--Economic aspects)

MARTYNYENKO, I.I., kand.tekhn.nauk; DOROSH, I.I., kand.ekonomicheskikh nauk

Electric power supply for collective and state farms in the
Ukrainian S. S. R. Mekh. i elek. sots. sel'khoz. 19 no.6:45-48
'61. (MIRA 14:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Martynenko).
2. Ukrainskiy nauchno-issledovatel'skiy institut ekonomiki i organizatsii sel'skogo khozyaystva (for Dorosh).
(Ukraine--Electricity in agriculture)

DOROSH, Ivan Iosifovich; PITUL'KO, Vitaliy Yemel'novich [Pytul'ko, V.O.]; SEREDENKO, Boris Nikolayevich [Seredenko, B.M.]; KAVUN, V.M., Geroy Sotsialisticheskogo Truda, red.; TOGOBITSKAYA, N.V. [Tohobits'ka, N.V.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Use of machinery on a collective farm] Vykorystannia tekhniky v kolhospi. Kyiv, Derzh.vyd-vo Sil's'kohospodars'koi lit-ry URSR, 1963. 139 p. (MIRA 17:3)

DOROSH, I.Y. [Dorosh, I.I.], kand.ekonom.nauk; MARTINENKO, I.I. [Martynenko, I.I.], kand.tekhn.nauk

Effectiveness of the use of electric power in agriculture. Mekh. sil'.
hosp 13 no.7:26-27 J1 '62. (MIRA 17:3)

MARTYNEKO, Ivan Ivanovich; DOROSH, I.Y.; KISTEN', G.Ya.
[Kysten', H.IA.]; KOLOMIYETS', I.F.[Kolomiets', I.F.];
LEVITSKAYA, G.P.[Levyts'ka, H.P.], red.; GULENKO, O.I.
[Hulenko, O.I.], tekhn. red.

[Use of electric power on the "Shliakh do komunizmu"
Collective Farm] Vykorystannia elektroenerгии v kolhospi
"Shliakh do komunizmu." Kyiv, Derzhsil'hospvydav URSR,
1962. 58 p. (MIRA 16:5)
(Electricity in agriculture)

DOROSH, L.A., klinicheskiy ordinator

Some physicochemical properties of the blood in stenocardia.
Med.shur.Uzb. no.7:21-24 J1 '58. (MIRA 13:6)

1. Iz kafedry gosital'noy terapii (zav. - chlen-korrespondent
AMN SSSR Z.I. Umidova) lechebnogo fakul'teta Tashkentskogo
gosudarstvennogo meditsinskogo instituta.
(ANGINA PECTORIS) (BLOOD--EXAMINATION)

DOROSH, L.A., assistant

Use of dicoumarin in myocardial infarct. Med.zhur.Uzb. no.11:
31-33 N '58. (MIRA 13:6)

1. Iz kliniki gospital'noy terapii lechebnogo fakul'teta (zav. -
prof. Z.I. Umidova) Tashkentskogo gosudarstvennogo meditsinskogo
instituta. (HEART--INFARCTION) (COUMARIN)

DOROSH, L.A., Cand Med Sci -- (diss) "Coagulation and protein fraction^s of the blood in infarct of the myocardium and stenocardia." Tashkent, 1959, 20 pp (Min of Health UzSSR. Tashkent State Med Inst) 250 copies (KL, 33 59, 121)

DOROSH, L.A.

Blood protein fractions in myocardial infarct and stenocardia. Izv.
AN Uz. SSR Ser. med. no.1:49-52 '59 (MIRA 12:7)

1. Tashkentskiy gos. meditsinskiy institut, kafedra gosital'noy
terapii lechebnogo fakul'teta.

(BLOOD PROTEINS) (HEART--INFARCTION)
(ANGINA PECTORIS)

DOROSH, L.A.

Coagulability and viscosity of the blood in myocardial infarct. Izv.
AN Uz. SSR. Ser. med. no.2:41-44 '59. (MIRA 12:7)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut.
(HEART--INFARCTION) (BLOOD--COAGULATION)

DOROSH, M.M.; KOSTYU, Ya.Ye.; SHKODA-UL'YANOV, V.A. [Shkoda-Ul'ianov, V.O.]

Use of the yield of delayed neutrons from a thick water target
in determining the reaction cross section $\sigma_{013}(\gamma p)_{711}^{17}$ beyond
the giant resonance region. Ukr. fiz. zhur. 9 no.9:1040-1041
S '64. (MIRA 17:11)

1. Uzhgorodskiy gosudarstvennyy universitet.

DOROSH, M.M.; KOSTYU, Ya.E.; SHKODA-UL'YANOV, V.A.

Highest possible yields of delayed neutrons produced by
certain photonuclear reactions. Atom. energ. 17 no.3:
215-217 S '64. (MIRA 17:9)

ACCESSION NR: AP4037562

S/0056/64/046/005/1540/1544

AUTHOR: Dorosh, M. M.; Parlag, A. M.; Shkoda-Ul'yanov, V. A.;
Shabalina, L. A.

TITLE: On contradictory results of measurements of the (γ , n) reaction cross sections for lead

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 5, 1964, 1540-1544

TOPIC TAGS: lead, gamma neutron reaction, cascade, gamma quantum, photoneutron

ABSTRACT: In view of the disparity between the experimental yields for heavy and medium-Z elements at low energies and the values calculated by the Belen'kiy-Tamm cascade theory, an experiment was set up to measure the cross sections of the (γ , n) reaction on lead, induced by bremsstrahlung, since the published data for the cross section of some elements, including lead, are contradictory. The mea-

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ACCESSION NR: AP4037562

Measurements were made with a 25-MeV betatron with a tungsten target. The neutrons were registered with a setup analogous to that described by Gavrilov and Lazareva (ZhETF v. 30, 855, 1956). The cross section obtained in the maximum was 0.65 b, coinciding with the value obtained by means of monochromatic γ quanta. A comparison of the calculations of the photoneutron yield with the aid of the obtained cross section and with the experimental data of Grizhko et al. (ZhETF, v. 38, 1370, 1960) confirms the discrepancy between theory and experiment. It is therefore suggested that the Belen'kiy-Tamm spectrum is not accurate in the energy region in question, greatly distorting the (γ, n) -reaction cross section both in form and in absolute magnitude. The reasons for the observed discrepancies are now under investigation. Orig. art. has: 2 figures.

ASSOCIATION: Uzhgorodskiy gosudarstvennyy universitet (Uzhgorod State University)

Card 2/5

ACCESSION NR: AP4037562

SUBMITTED: 20Jul63

DATE ACQ: 09Jun64

ENCL: 02

SUB CODE: NP

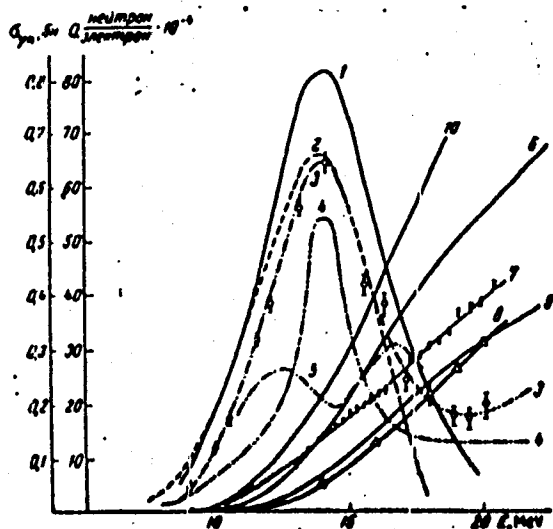
NR REF SOV: 007

OTHER: 006

Card 3/5

ACCESSION NR: AP4037562

ENCLOSURE: 01

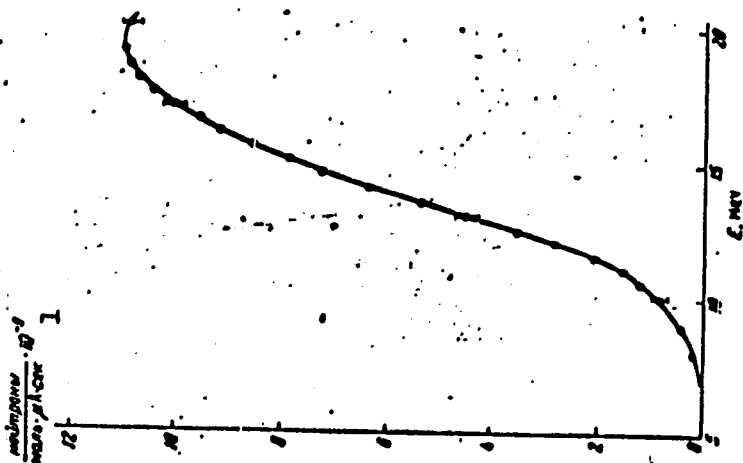


Cross section of (γ, n) reaction on lead and photon neutron yield from an infinitely thick sample of lead, induced by electrons. The left ordinates are the (γ, n) reaction cross sections in barns, and the right ordinates are the absolute neutron yields in neutron/electron units; curve 2 represents the (γ, n) cross section on lead, obtained in the present work and calculated from the yield curve of encl. 02

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ACCESSION NR: AP4037562

ENCLOSURE: 02



Yield curve for photoneutrons from lead, induced by bremsstrahlung
1 - neutrons/mole-μA-sec

Card 5/5

ACC NR: AP5032400

SOURCE CODE: UR/0089/66/021/003/0163/0166

AUTHOR: Dorosh, M. M.; Mazyukovich, N. P.; Shkoda-Ul'yanov, V. A.

ORG: none

TITLE: On the feasibility of an analysis of certain metals for oxygen by recording delayed neutrons produced in the reaction $O^{18}(\gamma, p)N^{17}$

SOURCE: Atomnaya energiya, v. 21, no. 3, 1966, 163-166

TOPIC TAGS: metal analysis, oxygen, photoneutron, particle accelerator, neutron detection

ABSTRACT: The authors point out, first, that photoneutron methods offer certain advantages over chemical analysis or radioactive-tracer techniques, since chemical analysis is not sensitive enough and radioactive procedures call for expensive and cumbersome reactor installations. The recent availability of strong-current accelerators, producing electron beams of 10 -- 100 microamperes and stronger and having small dimensions, or γ quanta with appreciable energy, can be used to irradiate samples containing oxygen. If the sample size is large enough, an electron-photon cascade is produced in it and the resultant radioactive N^{17} , with a half life of 4.15 sec, decays to produce the stable isotope O^{16} and a neutron. These delayed neutrons, which equal the number of O^{18} nuclei in the sample, can be counted to determine the oxygen

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UDC: 543.53

ACC NR: AP6032400

content. The authors present sample calculations for a hypothetical accelerator with 100 microampere current and show that if the measurement time is of the order of 1.5 minutes and the electron energy is ~ 25 MeV, the method permits measurement of oxygen contents of $10^{-4}\%$. The contents in thick blocks of Be, Ti, and Zr. It is concluded that with strong-current accelerators and at medium energies, metals and alloys could be analyzed on a conveyor-belt basis. Orig. art. has: 1 figure, 2 formulas, and 1 table.

SUB CODE: 14,20,12 / SUBM DATE: 24Apr64 / ORIG REF: 014 / OTH REF: 002

Card 2/2

S/879/62/000/000/079/088
D234/D308

AUTHOR: Dorosh, N. A. (L'vov)

TITLE: Stressed state of a thin cylindrical shell, rectangular in plan, subject to a uniformly distributed load

SOURCE: Teoriya plastin i obolochek: trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 498-502

TEXT: The curvilinear edges of the shell are assumed to be hinged and the rectilinear edges to be reinforced by ribs to which the hypothesis of plane cross-sections is applied. The problem is solved by the variational method, obtaining

$$\Delta^4 \varphi_1 + \frac{4\nu^4}{1^4} \frac{\partial^4 \varphi_1}{\partial x^4} = - \frac{1 - 2\nu}{2(1 - \nu)} G h q_y,$$

Card 1/2

Stressed state of a ...

S/879/62/000/000/079/088
D234/I308

$$\Delta^4 \varphi_2 + \frac{4\lambda^4}{14} \frac{\partial^4 \varphi_2}{\partial x^4} = \frac{1 - 2\nu}{2(1 - \nu)Gh} q_z \quad (2.9)$$

$$\Delta^4 \varphi + \frac{4\lambda^4}{14} \frac{\partial^4 \varphi}{\partial x^4} = 0 \quad (2.10)$$

whose solutions are found in the form of series of $\sin(n\pi x/l)$; the boundary conditions are automatically fulfilled. There is 1 figure.

Card 2/2

DOROSH, N. M.

✓ Phytochemical studies on plants of the *Prunella vulgaris* variety and of the type of the common meadow geranium. N. M. Dorosh and O. P. Domaratskaya. *Shornik Rybolovstva i Stalensk. Obshchestva L'vov. Med. Inst.* 1954, No. 2, 64-7; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 17329. -- Quant. and qual. studies indicated the presence in *Prunella vulgaris* of common tannin substances of the pyrogallol group, reducing and resinous substances, vitamin C, carotene, vitamin K, org. acids, and ash materials. In the plants of the common stepped geranium type the tannin substances found were of the pyrocatechol group, and alkaloids and other substances proved to be of a nature similar to those found in *Prunella vulgaris*. B. S. L.

2

DOROSH, T.P.; ALEKSEYEV, V.S. [Aleksiev, V.S.]

Electrochemical isolation of seneciphylline from raw alkaloids
of swamp ragwort (*Senecio paludosus* L.). *Farmatsev. zhur.* 15
no.6:44-47 '60. (MIRA 14:11)

1. Dnepropetrovskiy meditsinskiy institut, kafedry analiticheskoy
khimii - zaveduyushchiy kafedroy dotsent Kukhtevich, I.L.; kafedra
farmatsevticheskoy khimii - zaveduyushchiy kafedroy dotsent Red'ko,
O.L. [deceased].

(SENECIPHYLLINE) (SENECIO)

DOROSH, T.P.; TUKALO, Ye.A. [Tukalo, I.E.A.]

Electrochemical method of isolating the glycoalkaloid tomatine from plants. Farmatsev. zhur. 16 no.1:44-47 '61.

(MIRA 17:8)

1. Kafedra analiticheskoy khimii (zaveduyushchiy kafedroy dotsent I.L. Kukhtevich) i kafedra tekhnologii lekarstv (zaveduyushchiy kafedroy dotsent V.K. Yashchenko [Iashchenko, V.K.]) Dnepropetrovskogo meditsinskogo instituta.

ZAVGORODNYAYA, Ye.F.; GALUSHKO, V.P.; DOROSH, T.P.

Mechanism of the cathodic reduction of copper oxide. Part 1:
Cathodic polarization of the copper oxide electrode. Ukr. khim.
zhur. 27 no.1:43-48 '61. (MIRA 14:2)

1. Dnepropetrovskiy gosudarstvennyy universitet im. 300-letiya
vossoyedineniya Ukrainy s Rossiyey.
(Copper oxide)

51310

27678
S/073/61/027/005/002/004
B103/B101

AUTHORS: Dorosh, T. P., Galushko, V. P.

TITLE: Reduction of silver chloride by hydrogen adsorbed on the surface of powdery silver

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, v. 27, no. 5, 1961, 603-607

TEXT: In earlier papers (Refs. 1 and 2, in print) it was proved that the sparingly soluble compounds silver chloride, - sulfate, and - sulfide are reduced at a current density higher than the limiting density. In spite of this, the current yields calculated for metallic silver approach 100%. The reduction and the formation of black silver powder require a potential jump toward negative values and a simultaneous H₂ separation at the

beginning of the process. The formation zone of the black silver powder is located at the place of contact of the reduced silver with the non-reduced salt. This indicates that the reduction of sparingly soluble compounds is not only possible via the stage of dissolution. With low concentrations of silver ions (10^{-10} and 10^{-17} g-ion/liter, respectively)

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S/073/61/027/005/002/004
B103/B101

Reduction of silver...

the diffusion cannot safeguard the reduction rates actually observed. On the other hand, the fine-disperse powder is formed under conditions that would not permit an inhibition of H_2 separation. The purpose of the present paper was to examine whether hydrogen adsorbed on the surface of silver powder acts as an intermediate reagent in the reduction of sparingly soluble silver compounds. Fig. 1 shows the cathode part of the cell used, Fig. 2 the electric circuit for recording the charge-discharge curves. Silver powder formed by reduction of silver chloride was found to be capable of adsorbing large H_2 quantities. This H_2 reduces silver chloride in a secondary process. The polarizing capacitance of the surface of silver powder reaches $10^3 \mu f/cm^2$, calculated from the charge curves. The H_2 adsorbed is assumed to take part in the reduction of silver chloride as an intermediate reagent. This increases considerably the total rate of reaction. Mention is made of Bagotskiy, Iofa, and Frumkin, as well as papers by A. I. Shlygin (Trudy soveshchaniya po elektrokhemii, M., 1953, p. 322), and A. A. Rakov (Vliyanie predvaritel'noy obrabotki serebra na yego absorptsionnyye i elektrokhimicheskiye svoystva (Effect of silver pretreatment on its absorptive and electrochemical properties), Candidate

Reduction of silver...

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S/073/61/027/005/002/004
B103/B101

dissertation, M., 1947). There are 5 figures and 9 references: 7 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: G. M. Schwab, J. Phys. and Coll. Chem., 54, 576 (1950); A. G. Ferguson and P. K. Turner, J. Electrochem. Soc., 101, 382 (1954).

ASSOCIATION: Dnepropetrovskiy gosudarstvennyy universitet (Dnepropetrovsk State University) (T. P. Dorosh) Dnepropetrovskiy meditsinskiy institut (Dnepropetrovsk Medical Institute) (V. P. Galushko)

SUBMITTED: June 15, 1960

Card 3/4