

ACCESSION NR: AP5005364

S/0109/65/010/002/0387/0388

AUTHOR: Goryunova, O. F.; Zakhvatayeva, O. I.; Kontsevoy, Yu. A.

TITLE: Effect of magnetic field on current-voltage characteristics of p⁺-p-p⁺ structures

SOURCE: Radiotekhnika i elektronika, v. 10, no. 2, 1965, 387-388

TOPIC TAGS: semiconductor device, current voltage characteristic

ABSTRACT: A Ge plate with a resistivity of 10-30 ohm-cm and two ohmic contacts (see Enclosure 1) was tested in parallel and perpendicular magnetic fields up to 14,300 oe. The voltage V₁ increased when the magnetic field was applied parallel to the plate, and remained unchanged with the perpendicular field. A interpretation of this phenomenon is offered. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 31Jan64

ENCL: 01

SUB CODE: EC

NO REF SOV: 001

OTHER: 003

Card 1/2

KONTSEVOY, Yu.A.

Methods for studying the electrophysical parameters of semiconducting
epitaxial films (Review). Prib. i tekhn. eksp. 10 no.1:5-16 Ja-F '65.
(MIRA 18:7)

21237-66 EWT(1)/EWT(m)/I/EWP(t) IJP(c) JD

ACC NR: AP6003815 SOURCE CODE: UR/0181/66/008/001/0278/0280

AUTHORS: Kontsevoy, Yu. A.; Malyshev, M. I.

ORG: none

TITLE: Electrophysical properties of thin samples of silicon

SOURCE: Fizika tverdogo tela, v. 8, no. 1, 1966, 278-280

TOPIC TAGS: silicon, epitaxial growing, single crystal, carrier density, hole mobility, temperature dependence

ABSTRACT: The purpose of the investigation was to determine the degree to which the properties of epitaxial films separated from a substrate, and also single-crystal films grown on extraneous substrates, are governed by the properties of the surface. The authors investigated for this purpose the concentration and mobility of the carriers in thin samples of p-type silicon with resistivity ~ 150 ohm-cm at room temperature, prepared from bulky single crystals. The thicknesses of the different samples range from 400 to 6 μ. Unlike earlier investigations, the measurements were made in a wide range of

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KONTSIBER, V.

453

Na Stepnikh prostorakh. (Pseznovskaya MTS Chkal. Ob. Zapisal i lit. obrabotal
Ya. A. Levant. m) Profizdat, 1954. 54c. 17 sm. (Raskazy Novatdrov). 15,000 Eks.65K.
(54-55197) P 631.37:629.114.2 st (47.82)

SO: Knishanaya, Letopis, Vol. 1, 1955

KONTSKIY, Faddey Martynovich, zasl. vrach Mariyskoy ASSR; DENISOVA,
S.A., red.

[Physician and the patient; principles of medical service
and the basic elements of medical ethics] Vrach i bol'noi;
kul'tura meditsinskogo obsluzhivaniia i osnovnye elementy
vrachebnoi etiki. Izd.4. Ioshkar-Ola, Mariiskoe knizhnoe
izd-vo, 1964. 108 p. (MIRA 17:8)

KONTSKIY, Faddey Martynovich

[Physician and patient; development of medical service and basic elements of medical ethics] Vrach i bol'noi; kul'tura meditsinskogo obsluzhivaniia i osnovnye elementy vrachebnoi etiki. Izd.3. Ioshkar-Olam Mariiskoe knizhnoe izd-vo, 1959. 105 p. (MIRA 13:4)
(PHYSICIAN AND PATIENT)

KONTSOV, ALEKSANDR GRIGOR'EVICH

KURMEY, Yevgeniy Stepanovich; ~~KONTSOV, Aleksandr Grigor'evich~~; SMIRNOV, K.K., otvetstvennyy redaktor; USHAKOV, K.Z., otvetstvennyy redaktor; GRISHAYENKO, M.I., redaktor izdatel'stva; SABITOV, A., tekhnicheskii redaktor

**[Ventilation of mines in the Kuznetsk Basin] Provetrivanie shakht Kuzbassa. Moskva, Ugletekhizdat, 1957. 173 p. (MLRA 10:9)
(Kuznetsk Basin--Mine ventilation)**

KONTSOV, A.G., kand. tekhn. nauk

Determination of an effective mine ventilation system. Vop.
bezop. v ugol'. shakh. 1:167-184 '59. (MIRA 17:12)

PROKHOROV, I.N., inzh.; BERSON, L.M., inzh.; KONTSOV, A.I., inzh.

Modernization of a welding ballast rheostat. Svar. proizv. no.11:
37-38 N '60. (MIRA 13:10)
(Electric welding--Equipment and supplies)

S/135/62/000/006/013/014
A006/A106

AUTHORS: Vaks, I. A., Berson, L. M., Kontsov, A. I., Engineers

TITLE: Exchangeable cantilevers for MTPT (MIPT)-type spot welding machines

PERIODICAL: Svarochnoye proizvodstvo, no. 6, 1962, 37 - 38

TEXT: To eliminate deficiencies occurring in the use of conventional tongs for welding light alloys, such as labor-consuming operation, overheating of contacts, poor quality of welds, the authors have developed a new design of tongs for welding light and copper alloys, 0.8 - 1.5 mm thick. The tongs consist of two B95 AT (V95AT) arms. The electrodes are fixed in holders and are water-cooled. The maximum operational path of the upper electrode is 200 mm. In one minute 20 spot-welds can be produced. The tongs can be easily mounted on MTPT and MRIP type welders. Conditions for spot welding D19AT are given below. There are 2 figures and 1 table.

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VAKS, I.A., inzh.; BERSON, L.M., inzh.; KONTSOV, A.I., inzh.

Changeable brackets for MTPT-type spot welding machines.
Svar. proizv. no.6:37-38 Je '62. (MIRA 15:6)
(Electric welding--Equipment and supplies)

VAKS, I.A., inzh.; BERSON, L.M., inzh.; KONTSOV, A.I., inzh.

Electric furnace for making AN-T type fluxes. Svar. proizv. no.8:
28 Ag '62. (Flux (Metallurgy)) (Electric furnaces) (MIRA 15:11)

VAKS, I.A., inzh.; BERSON, L.M., inzh.; KONTSOV, A.I., inzh.

Modernized oscillator with regulated power output. Svar. proizv.
no.11:38-39 N '62. (MIRA 15:12)

(Oscillators, Electric)

KONTUASHVILI, B. Ya.

Kontuashvili, B. Ya. - "The State of Lymphadenoidal Tissue and of the Nervous Elements in the Pharyngeal Tonsils in Cases of Adenoidal Growths." Tashkent State Medical Inst imeni V. M. Molotov. Tashkent, 1956 (Dissertation for the Degree of Candidate in Medical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

KONTUASHVILI, B.Ya., kand. med. nauk; SATIROVA, R.A., ordinator

Novocaine therapy in poisonings with distilled vinegar. Med.
zhur. Uzb. no.6:61-62 Je'63 (MIRA 17:3)

1. Iz Tashkentskoy gorodskoy klinicheskoy bol'nitsy No.15
(nauchnyy rukovoditel' - prof. R.A. Abdullayev).

MUMINOV, Ya.K.; KONTUASHVILI, B.Ya., red.; NAUMOV, A.A., tekhnred.

[On the history of health resort treatment in Central Asia]
U istokov kurortnogo lecheniia v Srednei Azii. Tashkent, Gos.med.
isd-vo M-va zdavookhraneniia UzSSR, 1960. 30 p.

(MIRA 14:3)

(SOVIET CENTRAL ASIA--HEALTH RESORTS, WATERING PLACES, ETC.)

INGAMDZHANOV, N.I.; KONTUASHVILI, B.Ya., red.; OSIPENKO, V., tekhn. red.

[Practical manual on needle therapy] Prakticheskoe rukovodstvo po
igloterapii. Tashkent, Gos. med. izd-vo M-va zdravookhraneniia UzSSR,
1960. 138 p. (MIRA 14:7)

(ACUPUNCTURE)

KONTUASHVILI, B.Ya., kand.med.nauk

Basic argyrophil substance in hypertrophy of the nasopharyngeal tonsils. Med. zhur. Uzb. no.5:80-81 My '60. (MIRA 15:3)

1. Iz oblastnoy polikliniki (glavnyy vrach - M.M. Mansurova)
Tashkentskogo oblastnogo otdela zdravookhraneniya.
(ADENOIDS)

KONTUR, Gyorgy

Sewage utilization of the city of Braunschweig. Hidrologiai
Kozlony 40 no.2:105 Ap '60.

KONTUR, Gyorgy

Increasing oxygen content of lakes. Hidrologiai kozlony 41 no.3:
227 Je '61.

VAGAS, Istvan; SZABO, Laszlo, dr.; KONTUR, Gyorgy; IVICSICS, Lajos, dr.;
OLLOS, Geza

Society and technical news. Hidrologiai kozlony 43 no.2:98,112,118,
121, 129, 164, 184 Ap '63.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for Ivicsics and
Vagas). 2. "Hidrologiai Kozlony" foszerkesztoje (for Ollos).

KONTUR, Gyergy

Recent experiences in steel sheet piling. Vizugyi kozl no.2:
228-231 '63.

VAGAS, Istvan; KONTUR, Gyorgy; IVICSICS, Ferenc; BAUER, Jeno; LOVAS,
Laszlo

Society and technical news. Hidrologiai kozlony 43 no-3:197, 204,
218, 224, 228, 236, 250, 265 Je '63.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja es rova-
tvezetoje (for Vagas).

KONTUR, Gyorgy

The Pichegu pumping station in France. Vizugyi kos1 no.3:
386-391 '63.

KONTUR, Gyorgy

The Aschach Hydroelectric Power Station. Vizugyi kozl
no.3:502-510 '64.

KONTUR, Gyorgy

Putting into operation the first section of the Aschach
Danubian Hydroelectric Station. Hidrológiai közlöny 44
no.4:152 Ap'64

KONTUR, György

Water power utilization in France. Hidrologiai közlöny 44, no.8:
365 Ag '64.

KONTUREK, S.

KAULBERSZ, J.; ~~KONTUREK, S.~~

Comparative studies on enterogastrone from various segments of the intestines. Acta physiol. polon. 8 no.3:373-375 1957.

1. Z Zakladu Fizjologii A. M w Krakowie. Kierownik: prof. dr J. Kaulbersz.
(ENTERGASTRONE, effects,
comparison of prep. from intestinal segments. (Pol))

KONTUREK, St.

Effect of hypophysectomy, ACTH and cortisone on experimental peptic ulcer produced by Shay's method. Acta physiol. polon. 10 no.1:21-26 Jan-Feb 59.

1. Z Zakladu Fizjologii A.M. w Krakowie Kierownik: prof. dr J. Kaulberas.

(HYPOPHYSECTOMY, eff.
on exper. peptic ulcer (Pol))

(ACTH, eff.
same)

(CORTISONE, eff.
same)

(PEPTIC ULCER, exper.
eff. of ACTH, cortisone & hypophysectomy (Pol))

KONTUREK, Stanislaw (Krakow, ul. Grzegorzeczka 16, Zaklad Fizjologii A.M.)

Blood levels of histamine in different stages of hypertension.
Polski tygod. lek. 14 no.19:854-855 11 May 59.

I. Z I Kliniki Chorob Wewnetrznych A. M. w Krakowie; kierownik:
prof. dr L. Tochowicz i z Zakladu Fizjologii A. M. w Krakowie;
kierownik: prof. dr J. Kaulbersz.

(HYPERTENSION, blood in

histamine levels in various stages (Pol))

(HISTAMINE, in blood

in hypertension, variations in different stages (Pol))

KAULBERSZ, J.; KONTUREK, St.

Comparative studies on enterogastrone originating in various segments of the intestine in dogs. Acta physiol.polon.11 no.5/6: 767-768 '60.

1. Z Zakładu Fizjologii A.M. w Krakowie, Kierownik: prof.dr. J. Kaulbersz.

(GASTROINTESTINAL HORMONES pharmacol)

KONTUREK, S.; NOWAK, S.; KAULBERSZ, J.

Effect of urogastrone on gastric secretion in adrenalectomized dogs. Acta physiol. polon. 11 no.5/6:780-781 '60.

1. Z Zakladu Fizjologii A.M. w Krakowie, Kierownik: prof.dr J. Kaulbersz.

(GASTROINTESTINAL HORMONES pharmacol)
(GASTRIC JUICE)
(ADRENALECTOMY exper)

NOWAK, S.; KONTUREK, S.; KAULBERSZ, J.

Comparative studies on male and female urogastrone in dogs.
Acta physiol.polon. 11 no.5/6:852-853 '60.

1. Z Zakładu Fizjologii A.M. w Krakowie. Kierownik: prof.dr
J.Kaulbersz.

(GASTROINTESTINAL HORMONES)

KONTUREK, Stanislaw; HORZELA, Tadeusz

Effect of reserpine on gastric function. Polski tygod. lek. 16
no.46:1761-1764 13 N '61.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Krakowie; kierownik: prof.
dr Leon Tochowicz).

(RESERPINE pharmacol) (GASTRIC JUICE)

HORZELA, Tadeusz; SZYBINSKI, Zbigniew; KONTUREK, Stanislaw

Absorption of amino acids from the digestive system following the administration of albumin labeled with I-131. Acta physiol. Pol. 13 no.1:149-155 '62.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Krakowie Kierownik: prof. dr L. Tochowicz Z Zakladu Fizjologii A.M. w Krakowie Kierownik: prof. dr J. Kaulbersz.

(AMINO ACIDS metab)
(GASTROINTESTINAL SYSTEM physiol)
(ALBUMINS pharmacol)
(IODINE radioactive)

HORZELA, Tadeusz; SZYPINSKI, Zbigniew; KONTUREK, Stanislaw

Absorption of olive oil labeled with I-131 from the digestive system.
Acta physiol. polon. 13 no.3:369-375 '62.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie Kierownik: prof. dr
L. Tochowicz z Zakladu Fizjologii AM w Krakowie Kierownik: prof. dr
J. Kaulbersz.

(OILS metab) (IODINE radioactive)
(GASTROINTESTINAL SYSTEM physiol)

KAULBERSZ, Jerzy; KONTUREK, Stanislaw

Comparative studies on enterogastrone originating from various segments of the intestine. Acta physiol. polon. 13 no.4:549-559 '62.

1. Z Zakładu Fizjologii AM w Krakowie Kierownik: prof. dr. J. Kaulbersz.
(GASTROINTESTINAL HORMONES) (GASTRIC JUICE)

CHOLEWA, Leon; KONTUREK, Stanislaw

Tetracycline fluorescence in the diagnosis of malignant neoplasms.
Pol. tyg. lek. 17 no.49:1897-1900 3 D '62.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie; kierownik: prof. dr
Leon Tochowicz.

(NEOPLASMS)

(TETRACYCLINE)

(FLUORESCENCE)

RADECKI, T.; KONTUREK, S.; KAULBERSZ, J.

Effect of thyroidectomy, adrenalectomy and castration on the appearance of gastric ulcer and on gastric secretion in the rat. Acta physiol. pol. 14 no.1:29-25 '63.

1. Z Zakladu Fizjologii AM w Krakowie p.o. Kierownika: doc. dr W. Wcislo.

(THYROIDECTOMY) (ADRENALECTOMY)
(CASTRATION) (GASTRIC JUICE)
(STOMACH ULCER) (PYLORUS)

HORZELA, Tadeusz; KONTUREK, Stanislaw

Diagnostic difficulties in hyperthyroidism associated with
adrenal insufficiency. Endokr. pol. 14 no.1:125-130 '63.

1. I Klinika Chorob Wewnętrznych A. M. w Krakowie Kierownik:
prof. dr L. Tochowicz.

(HYPERTHYROIDISM)
(ADRENAL CORTEX HYPOFUNCTION)
(IODINE ISOTOPES, DIAGNOSTIC)
(DIAGNOSIS)

KONTUREK, Stanislaw; RADECKI, Tadeusz; SZYBINSKI, Zbigniew;
HORZELA, Tadeusz

Effect of the pulmonary circulation on the fat content of the
blood. Acta physiol. pol. 14 no.3:273-279 '63.

I. Z I Kliniki Chorob Wewnętrznych AM w Krakowie Kierownik:
prof. dr L. Tochowicz.

(BLOOD LIPIDS) (PULMONARY CIRCULATION)
(IODINE ISOTOPES)

KONTUREK, Stanislaw; RADECKI, Tadeusz; SZYBINSKI, Zbigniew; HORZELA, Tadeusz.

Transport of fats through the thoracic duct. Acta physiol.
pol. 14 no.5:571-576 S-0'63

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie; kierownik:
prof.dr. L.Tochowicz.

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AKCJA, Mirosław; HONCZYK, Stanisław

Diet and hypertension in the development of arteriosclerosis.
Pol. tyg. lek. 19 no.8:281-286 17 F '64.

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie
(Kierownik: prof. dr. Leon Techowicz).

WYKONANIE, W. KIEROWNIK: WARSZAWA, Tadeusz

Effect of cergactil and phenergan on gastric secretion and development of experimental peptic ulcer. Pol. tyg. lek. 19 no.8:291-295 17 F 1961.

I. Y. W. Klinika Chorob Wewnętrznych Akademii Medycznej w Krakowie (kierownik: prof. dr. L. Tochowiak) i z Zakładu Fizjologii Akademii Medycznej (p.o. kierownika: doc. dr. W. Weislc).

ROPIWICKI, Stanisław

Gastric function disorders in Sheehan's syndrome patients and in hypophysectomized rats. Pol. tyg. lek. 19 no.13:459-462 23 Mr '64.

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie (kierownik: prof. dr. Leon Tochowicz).

KONTUREK, Stanislaw

Progress in the treatment of peptic ulcer. Pol. tyg. lek. 19
no.18:657-658 27 Ap '64.

I. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie
(kierownik: prof. dr. Leon Tochowicz).

KONTUREK, Stanislaw; KROJ, Wladyslaw

A new experimental method for the production of myocardial
infarct. Pol. tyg. lek. 19 no.18:659-663 27 Ap '64.

1. Z 1 Kliniki Chorob Wewnetrznych Akademii Medycznej w Krakowie
(kierownik: prof. dr. Leon Tochowicz).

KONTUREK, Stanislaw; RADECKI, Tadeusz; HORZELA, Tadeusz

Effect of gastric cooling on the course of ulcerous disease in humans and on the development of peptic ulcer in animals. Pol. tyg. lek. 19 no.23:858 - 860 1 Je'64

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie;
kierownik: prof. dr. Leon Tochowicz.

SZYBINSKI, Zbigniew; KONTUREK, Stanislaw; RADECKI, Tadeusz; HORSELA,
Tadeusz.

Kinetics of lymph lipoproteins labeled with I-131 from the
blood in dogs. Acta physiol. Pol. 15 no.4:529-534 J1-Ag '64

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w
Krakowie (Kierownik: prof. dr. L. Tochowicz).

KONTUREK, Stanislaw; HORZELA, Tadeusz; SZYBINSKI, Zbigniew

The effect of adrenals on the absorption and distribution of
fats in tissues. Endokr. Pol. 16 no.2:183-188 Mr-Ap'65.

1. I Klinika Chorob Wewnetrznych Akademii Medycznej w Krakowie
(Kierownik: prof. dr. L. Tochowicz).

KONTUREK, Stanislaw; CHOLEWA, Leon; OLEKSY, Wladzimierz

Tetracycline test in gastric carcinoma. Nowotwory 15 no.1:
17-22 Ja-Mr'65.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w
Krakowie (Kierownik: prof. dr. med. L. Tochowicz) i z
Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med.
H. Kolodziejaska).

SZYBINSKI, Z.; HORZELA, T.; PASYK, S.; KONTUREK, S.

Application of the quantitative radiocardiography in hemodynamic studies. Kardiol. Pol. 8 no.3:251-255 '65.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie (Kierownik: prof. dr. L. Tochowicz).

KONTURKOWA, Danuta

Epitheliomas occurring i the course of tuberculous lupus.
Przegl. dermat. 51 no.5:553-558 S-O '64.

1. Z Kliniki Dermatologicznej Akademii Medycznej w Krakowie
(Kierownika prof. dr. K. Lejman).

KONTUSH, K.V.

KONTUSH, K.V., inzh.

The D-383 hinged broom for DT-14 tractors. Stroi. i dor.mashinostr.
3 no.3:17-18 Mr '58. (MIRA 11:3)
(Road machinery) (Brooms and brushes)

KONTUSH, K.V.

The D-343A cement distributor. Stroil dor.mashinostr. 3 no.12:11-12
D '58. (MIRA 11:12)

(Road machinery)

KONTUSH, K.V.

The D-443 universal earth-moving and loading machine. Stroi.i dor.
mashinostroi. 4 no.3:19-21 Mr '59. (MIRA 12:4)
(Road machinery)

KONTUSH, K.V., inzh.

Small D-483 chain-bucket excavator, Stroi. i dor. mashinostr. 5 no.10:
21-22 0 '60. (MIRA 13:10)

(Excavating machinery)

KONTUSH, K.V., inzh.; SHCHERBAK, V.V., inzh.

New machines for the maintenance and repair of roads. Stroi.
i dor. mash. 10 no.3:29-31 Mr '65. (MIRA 18:5)

L 10790-67 ENT(1) RO

ACC NR: AP7003497

SOURCE CODE: UR/0069/66/028/004/0515/0519
13

AUTHOR: Kontush, S. M.; Fedoseyev, V. A.

ORG: Odessa University im. I. I. Mechnikov (Odesskiy universitet)

TITLE: Flow method of measuring the dispersity of hygroscopic smokes. 2.
Experimental device for measuring the dispersity of hygroscopic smokes

SOURCE: Kolloidnyy zhurnal, v. 28, no. 4, 1966, 515-519

TOPIC TAGS: aerosol, photoelectric cell

ABSTRACT: An earlier article by one of the authors (S. M. KONTUSH) considered the theoretical principles of the jet method of measuring the dispersity of hygroscopic smokes, based on the isokinetic injection of the aerosol into a stream of pure air saturated with water vapor and recording of the vertical distribution of the grown particles in a certain section of the stream. The present article describes an experimental device which was designed by the authors on the basis of these principles. The principal part of the device is a cuvette in which the growth of drops on the smoke particles takes place. The cuvette has double walls for thermostatic control of the airflow. A thin jet of air containing the particles under

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study is fed into the main stream through a flat plexiglass nozzle situated in the center of the cuvette. Measurement of the vertical displacement of the grown particles and their vertical distribution is done by ultramicroscopy. A photoelectric particle counter is used to measure the speed of motion of the aerosol particles (or the speed of flow of the air containing the particles).

An example is given of the measurement of the dispersed composition of hygroscopic NH_4Cl smoke obtained by sublimation. An attempt was made to describe the particle size distribution by means of a gamma distribution according to the method described by L. M. LEVIN. The results can be satisfactorily described by a logarithmically normal distribution.

The authors conclude that their device permits rapid and sufficiently accurate investigation of the dispersed composition of hygroscopic smokes. Corresponding Member of the Academy of Sciences USSR B. V. DERVAGIN, Candidate of Physicomathematical Sciences S. S. DUKHIN and Docent D. I. POLISHCHUK collaborated. Orig. art. has: 3 figures. /JPRS: 38,967/

SUB CODE: 13,09 / SUBM DATE: 28May65 / ORIG REF: 006

Card 2/2 *HL*

L 63831-65 EWT(1)/EWT(m)/EPF(c)/FOC/EPA(w)-2/T DS/vh/GN

ACCESSION NR: AP5020224

UR/0069/65/027/004/0534/0539
541.182.3

AUTHOR: Kontush, S. M.
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TITLE: Flow method of measuring the dispersity of hygroscopic smokes. 1. Theory of the precipitation of growing aerosol particles from a laminar stream

SOURCE: Kolloidnyy zhurnal, v. 27, no. 4, 1965, 534-539

TOPIC TAGS: aerosol, particle stream, particle trajectory, particle spectrum, particle beam, particle distribution

ABSTRACT: A theory of the precipitation of growing aerosol particles from a stream introduced isokinetically into a laminar flow of air saturated with water vapor is developed. The theory is based on a combination of Maxwell's equation of droplet growth, Raoult's Law, Kelvin's equation, B. V. Deryagin, S. S. Dukhin, M. L. Mikhel'son, and B. M. Koganer, (Sb. Bor'ba s silikozom, t. 2, 1955), and Stokes' equation. The combination yields the system of equations

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ACCESSION NR: AF5020224

$$\begin{cases} r \frac{dr}{dx} = p_0(T) \frac{A}{v} f(r, r_0) \left(1 + \Gamma + \frac{B}{r}\right)^{-1} \\ r \frac{dr}{dz} = p_0(T) \frac{A}{v} f(r, r_0) \left(1 + \Gamma + \frac{B}{r}\right)^{-1} \end{cases}$$

$$A \equiv D \mu_1 / \rho_1 RT$$

where r is the radius of the particle, t the time, v - the horizontal velocity of the particle, x and z the horizontal and vertical displacement of the particle, D the coefficient of diffusion, μ_1 , and μ_2 the molecular weight of water and the particle respectively, and $B, f(r, r_0)$ and Γ are given by

$$\frac{D}{v\alpha} + \Gamma \frac{\lambda}{\beta\pi} \equiv B,$$

$$\Gamma = \frac{L^3 D \mu_1^2}{2\lambda R T^2} \cdot p_0(T),$$

$$f(r, r_0) = \left(k \frac{\rho_1 \mu_2}{\rho_2 \mu_1} \cdot \frac{r_0^3}{r^3} - \frac{1.00 \cdot 10^{-8}}{r} \right)$$

$$0 < f(r, r_0) \leq 1$$

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L 63831-65

ACCESSION NR: AP5020224

10

respectively. The numerical integration of the above equations is shown graphically in Fig. 1 on the Enclosure. An experimental test is proposed for the theory, based on the use of the apparatus developed by A. I. Storozhilova (Sb. Issledovaniya v oblasti poverkhnostnykh sil, M., Izd.-vo AN SSSR, 1961, str. 209). The author thanks corresponding member of the AN SSSR B. V. Deryagin, Professor V. A. Fedoseyev, and Docent D. I. Polishchuk for helpful discussions, and to candidate of physical materials sciences S. S. Dukhin for his help in developing the theoretical approach to the problem. Orig. art. has: 2 graphs and 25 equations.

ASSOCIATION: Odesskiy universitet im. I. I. Mechnikova (Odessa University)

SUBMITTED: 01Jun64

ENCL: 01

SUB CODE: NP, ME

NO REF SOV: 007

OTHER: 002

Card 3/4

L 63831-65

ACCESSION NR: AP5020224

ENCLOSURE: 01

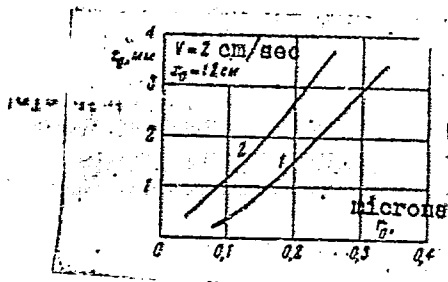


Fig. 1.
Dependence of r_0 on z_0

- 1- solution of system of equations presented in the paper;
- 2- solution based only on the usual Maxwell's equation of droplet growth

Card 2/2

FEDOSEYEV, V.A.; KONTUSH, S.M.

Fractionation of powders by sedimentation in a laminar flow.
Koll. zhur. 27 no.6:899-902 N-D '65. (MIRA 18:12)

1. Odesskiy universitet imeni I.M. Mechnikova. Submitted
September 24, 1964.

KORZHUK, L. N.; KONUKHIN, V. P.

Timber-installing machine. Gor. zhur. no.10:75-76 0 '62.
(MIRA 15:10)

(Mine timbering—Equipment and supplies)
(Automatic control)

AUTHORS: Ablov, A. V., Konunova, Ts. B. SST, 78-3-8-15, 16

TITLE: Conference on the Chemistry of Heteropolyacids (Soveshhaniye po khimii geteropolikislot)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol. 3, Nr 8, pp. 1989-1989 (USSR)

ABSTRACT: On December 13, 1957 a conference on the chemistry of heteropolyacids took place at Kishinev. Five reports were given at this conference. In the report by A. I. Kokorina the triheteropolyacids were dealt with, especially the basicity, the oxidizability and reductivity, as well as the reaction of the triheteropolyacids with cations and some organic compounds. From the report by N. A. Polotebnova may be seen that not only the central atom but also addenda are of importance for the basicity of heteropolyacids. In the lecture delivered by A. N. Kovadlo the technology of the structure of isopolyacids and heteropolyacids were dealt with on the basis of the classical theory of valence. To determine the chemical individuality of the tri- and tetraheteropolyacids A. V. Ablov and Ts. B. Konunova employed paper chromatography. The x-ray analysis was

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SOV/78-3-8-48/48

Conference on the Chemistry of Heteropolyacids

used for explaining the structure of heteropolyacids.
The conference decided upon a far reaching employment of physical
and chemical methods being necessary for investigating the
heteropolyacids and explaining their structure.

Card 2/2

USCOMM-DC-61019

AUTHORS: Ablov, A. V., Konunova, Ts. B. SOV/78-3-9-38/38

TITLE: Conference on the Polarographic Method of Analysis (Soveshchaniye po polyarograficheskomu metodu analiza)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 9, pp 2221-2222 (USSR)

ABSTRACT: A conference on the polarographic method of analysis took place from January 21 to 23, 1958, in which the Moldavskiy filial AN SSSR (~~Moldavia~~ Branch, AS USSR), the Khimicheskiy fakul'tet Kishinevskogo gosudarstvennogo universiteta (Department of Chemistry, Kishinev State University) and the Kishinevskoye otdeleniye Vsesoyuznogo khimicheskogo obshchestva im. D. I. Mendeleyeva (Department of the All-Union Chemical Association imeni D. I. Mendeleev - Kishinev) participated. Also scientific cooperators from Kishinev, Moscow and Dnepropetrovsk took part in the conference. Eighteen reports were delivered. Sinyakova, S. I. - Institut geokhimii i analiticheskoy khimii AN SSSR im. V. I. Vernadskogo - Moskva (Institute of Geochemistry and Analytic Chemistry, AS USSR imeni V. I. Vernadskiy - Moscow) made a report on the use of catalytic current for the polarographic determination of molybdenum and other metals. Lyalikov,

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SOV/78-3-9-38/38

Conference on the Polarographic Method of Analysis

Yu. S. - Kishinevskiy universitet (Kishinev University) reported on the characteristics of polarographic waves. Numerous reports were submitted on the formation of complexes in solutions. Tur'yan, Ya. I. - Kishinevskiy universitet (Kishinev University) has computed the stability constant of the halogen and rhodanite complexes of cadmium by polarographic determination. The report of Migal', P. K. and Pushnyak, A. N. (Kishinev University) describes the polarographic analyses of ethanol amine complexes of cadmium, copper, lead and zinc. Gabovich, A. A. and Gabovich, A. M. - Kishinevskiy sel'skokhozyastvennyy institut (Kishinev Institute of Agriculture) determined manganese, zinc, cobalt, nickel and chromium by oscillographic polarography. Also the determination of thallium in solutions in the presence of cobalt and manganese was discussed. Bobrinskiy, M. B. - Moldavskiy filial AN SSSR (Moldavian Branch, AS USSR) - examined the metallic precipitate obtained on the solid electrode in the polarographic determination by means of an electronic microscope. Bardin, M. B. (Kishinev University) suggests the use of rotating disc-shaped electrodes with a small surface in polarography. Usatenko, Yu. S. and Vitkina, M. A. - Dnepropetrovskiy khimiko-tehnologicheskii institut (Dnepropetrovsk Institute of

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SOV/78-3-9-36/38

Conference on the Polarographic Method of Analysis

Chemical Technology) - reported on the polarographic titration by sodium diethyl dithiocarbamate. Reznik, V. I. and Danilenko, Ye. F. - Dnepropetrovskiy universitet (Dnepropetrovsk University) made a report on the ammetric titration of zinc in various samples. Pshenitsyn, N. A., Yezerskaya, N. A. and Ratnikova, V. O. - Institut obshchey i neorganicheskoy khimii AN SSSR - Moskva (Institute of General and Inorganic Chemistry, AS USSR - Moscow) - reported on the polarographic determination of iridium-(IV) from $H_2 [IrCl_6]$ by means of rotating platinum electrodes. The authors also described an ammetric titration of small quantities of iridium with hydroquinone and ascorbic acid. Temyanko, V. S. - Magnitogorskiy gornometallurgicheskiy institut (Magnitogorsk Institute of Mining and Metallurgy) reports on the use of solid electrodes for the polarographic determination of gold and platinum. Novik, R. M. (Moldavian Branch, AS USSR) reports on the polarographic and ammetric determination of the bromine ion in the melt. Lipis, B. V. - Moldavskiy institut sadovodstva, vinogradarstva i vinodeliya (Moldavian Institute of Horticulture, Viticulture and Wine Production) determined oxygen and SO_2 in wine. Vayntraub, F. P. -

Card 3/4

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USCOMM-DC-60.780

5(4)

AUTHORS:

Ablov, A. V., ~~Konunova Frid, Ts. B.~~ 807/78-4-3-15/34

TITLE:

Investigation of Heteropolyacids by the Method of Paper-chromatography (Issledovaniye geteropolikislot metodom bumazhnoy khromatografii)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 3, pp 578-584 (USSR)

ABSTRACT:

The chemical properties of the mixed tri- and tetraheteropolyacids consisting of metallic acids of molybdenum-tungsten, molybdenum-vanadium, and tungsten-vanadium with phosphorus and silicon central atoms were investigated by the method of paper-chromatography. The comparative investigations were carried out with di-, tri-, and tetraheteropolyacids. For the chromatographical investigation a 0.01 M solution of heteropolyacid in 2 N H₂SO₄ was used. From the investigations it may be concluded that phosphomolybdotungstic acid is an individual chemical compound. Similar investigations were carried out with silico-diheteropolyacid and silicomolybdotungstic acid. The chromatograms show that silicomolybdotungstic acid is also an individual chemical compound.

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-vanadium acid (H₄SiO₄·10MoO₃·V₂O₅·nH₂O), silico-10-tungsto-2-vanadium acid (H₄SiO₄·10WO₃·V₂O₅·nH₂O). From the results it

may be concluded that the method for determining the properties of diheteropolyacids in vanadium-containing heteropolyacids is well suited and that vanadium-containing triheteropolyacids are individual chemical compounds.

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Investigation of Heteropolyacids by the Method
of Paper-chromatography

SOV/78-4-3-15/34

Then, by chromatographical analyses the existence of the tetraheteropolyacid, phosphorus-6-molybdenum-4-tungsten-2-vanadium acid was determined. The stability of various heteropolyacids was investigated by the reduction of the hydrogen concentrations. The phosphorus-molybdenum complex is the most unstable one. The mixed phosphorus molybdotungstic acids are unstable in the presence of ammonia and decompose to phosphorus molybdate and phosphorus tungstate ions. Among all heteropolyacids the vanadium-containing triheteropolyacids are the most stable ones. R_f values of the acids investigated are collected on tables. The method of paper-chromatography is recommended for the determination of the purity of mixed heteropolyacids. There are 3 figures, 1 table, and 19 references, 9 of which are Soviet.

ASSOCIATION: Kishinevskiy gosudarstvennyy universitet (Kishinev State University)

SUBMITTED: June 4, 1957
Card 3/3

S/078/60/005/007/032/043/XX
B004/B060

AUTHORS: Ablev, A. V., Konunova-Frid, Ts. B., Palkin, V. A.

TITLE: Heats of Addition of Aniline and Its Derivatives to Cobalt Chloride

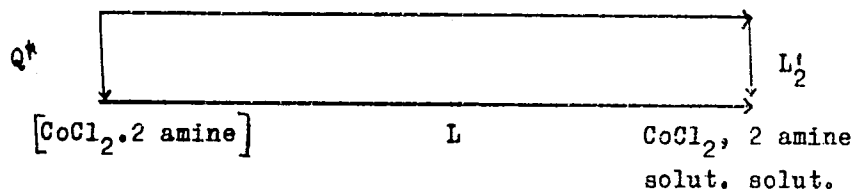
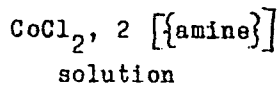
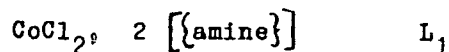
PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 7, pp. 1544-1550

TEXT: The authors study the problem as to whether the addition of amines, aniline, and aniline derivatives to CoCl_2 has a covalent or a dipole-ionic character. The latter assumption leads to a contradiction since p-chloro aniline with a distinct pole concentrated on the chlorine atom does not add with it but, like aniline, with the nitrogen atom. To clarify this problem, the authors determined calorimetrically the heats of addition of aniline, p-toluidine, p-chloro aniline, and p-bromo aniline, to anhydrous CoCl_2 at 25°C in 2 N hydrochloric acid. They started from the following cyclic process:

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Heats of Addition of Aniline and Its
Derivatives to Cobalt Chloride

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B004/B060



Q^* denotes the formation heat of the addition products at the experimental temperature and the given state of the amine, L the solution heat of the addition products, L_1 the solution heat of CoCl_2 , and L_2' the solution heat

of the amine. The calorimeter used is described in a paper by I. I. Chernyayev, V. A. Sokolov, and V. A. Palkin (Refs. 11, 12). Q^* was calculated from the experimental data as being 18.66 kcal/mole for $\text{CoCl}_2 \cdot 2\text{H}_2\text{NC}_6\text{H}_5$, 12.40 kcal/mole for $\text{CoCl}_2 \cdot 2p\text{-H}_2\text{NC}_6\text{H}_4\text{CH}_3$, 9.36 kcal/mole for $\text{CoCl}_2 \cdot 2p\text{-H}_2\text{NC}_6\text{H}_4\text{Cl}$, and 9.71 kcal/mole for $\text{CoCl}_2 \cdot 2p\text{-H}_2\text{NC}_6\text{H}_4\text{Br}$. In order

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Heats of Addition of Aniline and Its
Derivatives to Cobalt Chloride

S/078/60/005/007/032/043/XX
B004/B060

to obtain comparable data, the approximate values of the heats of addition of gaseous amines on entering into the enlarged lattice of CoCl_2 were calculated on the basis of the respective cyclic process.

$A = Q_{\text{gas}}^* + (S_{\text{CoCl}_2} - S_{\text{CoCl}_2\text{amine}})$, where S denotes the sublimation heats

on the assumption that no dissociation takes place. A is the addition energy. The value of $S_{\text{CoCl}_2} - S_{\text{CoCl}_2\text{amine}}$ is defined as being the work re-

quired for the expansion of the layered lattice of CoCl_2 to the molecular

lattice of the addition product. The authors observe that this notion must not be mixed up with the "expansion work" of an ionic lattice according to W. Biltz (Ref. 7). Table 2 gives the parameters of the elementary cell in kX , the angle β , the volume V of the elementary cell in \AA^3 , the number n of formula units situated in the elementary cell, and the volume V' of the formula unit. Table 2:

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Heats of Addition of Aniline and Its Derivatives to Cobalt Chloride

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B004/B060

Соединение * compound	Периоды плавки, KX periods of cell			β	V _A ^c	n	V _A ^g
	a	b	c				
1 CoCl ₂ ·2n-H ₂ NC ₆ H ₄ CH ₃	12,30±0,05	4,59±0,01	20,10±0,1	93°45+5	1474	4	303,5
2 CoCl ₂ ·2n-H ₂ NC ₆ H ₄ J	12,00	4,66	31,4	93°18	1758	4	439,5
3 CoCl ₂ ·2n-H ₂ NC ₆ H ₄	13,75	5,15	23,8	94°45	1660	4	415,0
4 CoCl ₂ ·2n-H ₂ NC ₆ H ₄ CH ₃	16,75	5,08	41,2	90°,00	3500	8	437,5

In accordance with Ref. 16, a volume of 141 A³ is assumed for the formula unit. Q_{gas}^{*} is calculated from the equation Q_{gas}^{*} = Q^{*} + 2L_m + 2L_{ev} (L_m = melting heat, L_{ev} = evaporation heat of the amine at 25°C). Table 3 gives the boiling point, melting point, melting and evaporation heats of C₆H₅NH₂, p-H₂NC₆H₄CH₃, and p-H₂NC₆H₄Cl. Part of these data were taken from literature, and part were calculated according to Nernst (Ref. 24). After correcting these data for the temperature of 25°C, the authors obtain the following values for Q_{gas}^{*}: CoCl₂·2C₆H₅NH₂ 43.2 kcal/mole; CoCl₂·2p-H₂NC₆H₄CH₃ 45.9 kcal/mole; CoCl₂·2p-H₂NC₆H₄Cl 45.2 kcal/mole;

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Heats of Addition of Aniline and Its
Derivatives to Cobalt Chloride

S/078/60/005/007/032/043/XX
B004/B060

$\text{CoCl}_2 \cdot 2\text{p-H}_2\text{NC}_6\text{H}_4\text{Br}$ 44.8 kcal/mole. The substituents on the benzene ring, thus, have little effect on the value of $Q_{\text{gas}}^{\text{f}}$. The Co-N bond of these addition products is not dependent on the dipole moment of the addendum, and therefore probably has a covalent character. A paper by T. I. Malinovskiy is mentioned. There are 3 tables and 25 references: 16 Soviet, 2 US, 2 British, and 5 German.

ASSOCIATION: Kishinevskiy gosudarstvennyy universitet (Kishinev State University). Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov of the Academy of Sciences USSR)

SUBMITTED: March 16, 1959

Card 5/5

ABLOV, A.V.; KONUNOVA, TS.B.

Conference on the Chemistry of Complex Compounds of Cobalt and
Nickel. Zhur.neorg.khim. 6 no.5:1256-1258 My '61.

(MIRA 14:4)

(Cobalt compounds)

(Nickel compounds)

L 17009-63
RM/WW/JD/JW/HW

EPF(c)/EWP(q)/EWT(m)/BDS AFFTC/ASD/ESD-3 Pr-4
S/078/63/008/005/009/021

AUTHOR: Ablov, A. V. and Komunova, Ts. B.

TITLE: Heats of formation of aniline and its derivatives in union
with cobalt halides

PERIODICAL: Zhurnal neorganicheskoy khimii, v. VIII, No. 5, May 1963.
1122-1130

TEXT: With use of an isothermic calorimeter and thermistor the authors determined the heats of solution of non-aqueous chloride, bromides and iodides of cobalt, aniline and its substitutions in a benzene nucleus, and also products of the combination of aromatic amines with cobalt halides in 2N HCl at 25°. They also determined the heats of fusion of several aromatic amines by the cryoscopic method. From these data they computed the heats of formation of two moles of gaseous amines in union with nonaqueous crystalline cobalt halides; these quantities are essentially independent of the character of the replacement in the benzene nucleus. The results obtained support the covalent character of the Co - N bond in the resulting products studied.

Card 1/2

Card 2/2

KONUNOVA, TS.B.

Chromatography of cobaltamines. Uch.zap.Kish.un. 68:1-6
'63. [cover '64]. (MIRA 18:12)

KONUNOVA, TS.B.; POPOV, M.S.

Extraction of zirconium with fatty acids. Uch.zap.Kish.un.
68:94-96 '63 [cover '64]. (MIRA 18:12)

KONUPCÍK, JAROSLAV

Mechanisace zemědělství. Jaroslav Konupcík a Zdeněk Steffl. [Vyd. 1.] Praha, Státní pedagogické nakl., 1952. (Učební texty vysokých škol) [Mechanization of agriculture." Vol. 1. 'A review of general mechanical engineering; motors and tractors.' Illus., bibl., diagrs.]

East European

SO: Monthly List of ~~XXXXXX~~ Accessions, Vol. 3, No. 2, Library of Congress, February, 1954, Uncl.

KONUPCIK, J.; PANES, V.

Results and experiences gained from competition in plowing. p. 247.

MECHANISACE ZEMEDELSTVI. Praha, Czechoslovakia. Vol. 9, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

KONUPCIK, M.

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of Organic Substances.

E-3

Abs Jour : Ref Zhur - Khim., No 15, 1968, No 50061

Author : Hanousok, Oswald; Konupcik, Milan; Davidok, Jiri.

Inst : Not given

Title : Polarography of Derivatives of Urea and Thiourea. XI. Polarographic Determination of 1,3-Dimethyl-4-amino-5-nitrosouracil in Industrial Samples.

Orig Pub : Ceskosl. farmac., 1957, 6, No. 10, 593-594.

Abstract : The polarographic curves of 1,3-dimethyl-4-amino-5-nitrosouracil (I) have one wave in an acid medium as well as in an alkaline. At pH of 6.70, $E = -0.44$ v; at pH less than 4, a sharp maximum is observed. The height of the wave does not depend on pH in phosphate buffer solutions (II) at pH of 6.1-8.2. For the quantitative determination, 0.040 g. of I is dissolved in 100 ml. of water and 10 ml.

Card 1/2

KUPCIK, F.; KONUPCIK, M.; LISKA, M.

Polarographic determination of 5-nitrofuraldiacetate. Cesk. farm. 11 no. 2: 67-69 F '62.

- 1. Odbor technicke kontroly n.p. Farmakon, Olomouc.
(NITROFURANS chem) (CHEMISTRY ANALYTICAL)

CZECHOSLOVAKIA

KONUPCIK, M.; ZAVODNY, R.; LISKA, M.; Department of Technical Control of Farmakon, National Enterprise [Oddeleni Technicke Kontroly n.p. Farmakon], Olomouc.

"APPROVED FOR RELEASE: 06/19/2000"
 Polarographic determination of 2-Methyl-3-nitro-4-methoxymethyl-5-cyanopyridone and 2-Methyl-3-nitro-4-methoxymethyl-6-chloropyridine."
 CIA-RDP86-00513R000824420010

Prague, Ceskoslovenska Farmacie, Vol 12, No 8, 1963, pp 388-390

Abstract: The authors present a method for determination of the two compounds mentioned. It is useful in the production of pyridoxol where the compounds are used as intermediate products. The polarography is carried out in a medium of 0.1 N sulphuric acid. 2-methyl-3-nitro-4-methoxymethyl-5-cyanopyridone is reduced on the dropping Hg electrode in a wave corresponding to 6-electronic reduction, at a half-wave potential -0.26V. 2-Methyl-3-nitro-4-methoxymethyl-5-cyano-6-chloropyridine is reduced in 3 waves, first 4-electronic, half-wave potential -0.11V, 2nd 2-electronic half-wave potential -0.49V, third 4-electronic, half-wave potential -0.94V. The waves have a diffuse character and are suitable for analytical evaluations.
 2 Figures, 2 Western, 2 Czech references.

PHASE I BOOK EXPLOITATION

CZECH/3658

Konůpka, František, Engineer

Biologická válka (Biological Warfare) Prague, Naše Vojáko, 1958. 171 p.
 (Series: Velká vojenská knihovna, sv. 77) 8,000 copies printed.

Reviewer and Special Arranger: Jiří Novotný, Doctor of Medicine and
 Miloslav Buzek, Major; Resp. Ed.: Arnošt Burget.

PURPOSE: The book is addressed to the general reader.

COVERAGE: This is a popular presentation of the use of biological agents
 and defense against them in biological warfare. The implications of
 biological aggression are discussed and anti-American propaganda is a
 feature of the book. No personalities are mentioned. There are 73
 references: 29 Czechoslovak, 22 English, 9 German, 8 Russian, and 3
 others.

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Card 3/4

KONURBAYEV, A.O.

KYDYNOV, M., nauchnyy sotrudnik; BATYRCHAYEV, I.; LOPINA-SHENDRIK, M.D.;
KALBAYEV, A.; IMANAKUNOV, B.; SULAYMANKULOV, K., kand.khim.nauk;
DUYSHENALIYEVA, N.; AKBAYEV, A.; KAZIYEV, K.; GOLOVIN, F.I.;
BAKASOVA, Z.; KOVALENOK, Z.P.; SHELUKHINA, N.P.; BUGUBAYEV, A.B.,
starshiy prepodavatel'; BAYBULATOV, E.B., mladshiy nauchnyy
sotrudnik; FILIPPOV, N.A., mladshiy nauchnyy sotrudnik; MAMBETA-
KUNOV, T., aspirant; IMANKULOV, A., aspirant; TURMAMBETOV, S.,
mladshiy nauchnyy sotrudnik; MUKHAMEDZIYEV, M.M., nauchnyy sotrudnik;
KONURBAYEV, A.O.; PAK, L.V.; HUDAKOV, O.L.; TOKTOSUNOV, A.;
KULAKOVA, R.I.; ASHIRAKHMANOV, Sh., aspirant; ALYSHBAYEV, B.;
SULTANALIYEV, A.; AKHMETOV, K.; POLONOVA, A.P.; NIKITINSKIY, Yu.I.;
SHAMBETOV, S.Sh.; DZHUMBAYEV, B., nauchnyy sotrudnik; DRUZHININ,
I.G., red.; ANOKHINA, M.G., tekhn.red.

[Papers by junior scientists of the Academy of Sciences of the
Kirghiz S.S.R.] Trudy molodykh nauchnykh rabotnikov AN Kirgizskoi
SSR. Frunze, 1958. 411 p. (MIRA 12:3)

(Continued on next card)

KYDYNOV, M.---(continued) Card 2.

1. Akademiya nauk Kirgizskoy SSR, Frunze.
 2. Institut khimii AN Kirg.SSR (for Kydynov).
 3. Kirgizskiy gosudarstvennyy universitet (for Bugubayev).
 4. Institut geologii AN Kirg.SSR (for Baybulatov).
 5. Institut vednogo khozyaystva i energetiki AN Kirg.SSR (for Filippov).
 6. Otdel fiziki i matematiki AN Kirg.SSR (for Mambetkunov, Imankulev).
 7. Institut zoologii i parazitologii AN Kirg.SSR (for Turmambetov).
 8. Kirgizskiy meditsinskiy institut (for Mukhamedziyev).
 9. Otdel pechvovedeniya AN Kirg.SSR (Ashirakhmanov).
 10. Institut botaniki AN Kirg.SSR (for Alyshbayev, Sultanaliyev, Akhmetov, Pelenova, Nikitinskiy).
 11. Institut istorii AN Kirg.SSR (for Dzhambayev).
- (Science--Collections)

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1. Kremenchugskaya distantsiya signalizatsii i svyazi Yuzhnoy dorogi (for Zhartovskiy).
2. Yaroslavskaya distantsiya signalizatsii i svyazi Severnoy dorogi (for Konurin).
3. Starshiy inzhener Moskovsko-Okrushnoy distantsii signalizatsii i svyazi Moskovskoy dorogi (for Vorob'yev).
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Abstract: It has been established that the square cluster is the best method of planting, where the plants are best supplied with adequate water through moisture. With square-cluster sowing the sunflower seed harvest yielded 27.7 centners per hectare, compared to 19.6 with strip cropping. The

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