I. RUCZ.

"Development of the Innovator Movement in the Pharmaceutical Industry." p. 8
"Innovator Movement in a Pharmaceutical Factory." p. 9
"Innovations at Phylaxia." p. 9 (Ujitol Lapja. Vol. 5, no. 11 June 1953 Budapest.)

SO: Monthly List of East European Accessions./Library of COngress, Sept 1953, Uncl.

[redacted]

[redacted], J.

[redacted], J. [redacted] - arm melting machine . p. 12

So: Monthly List of the East European Accession, (EEAI), LC. Vol. 1.
no: 10, Oct. 1959. Uncl.

Country : Poland D
Category : Cosmochemistry, Geochemistry. Hydrochemistry.

Abs. Jour : Referat Zhur - Khim., No 13, 1959 45411

Author : Morawiecki, A. and Muckowski, E.
Institut. : Not given
Title : Note on the Silicified Sandstones from Swieci (Kania District)

Orig Pub. : Arch Mineral, 21, No 1, 101-116 (1958) (1957)

Abstract : The authors describe local formations of silicified sandstones and loamy rocks of varying particle size distribution. The suggestion is advanced that these rocks constitute lake deposits of the Miocene period. The sandstones consist of terrigenous quartz grains, cemented with chalcedony and opal. According to the results obtained from incomplete silicate chemical analyses, microscopic examinations, determinations of the mechanical composition and of technical properties have shown that a number of varieties can be used as raw materials in the production of industrial refractories.

Card: 1/1 G. Vorob'yev

[redacted], J.

Indemnity for damages caused by motor vehicles on highways.

P. 777 (Cesto I Kostovi. Vol. 4, no. 10, Oct. 1957. Zagreb, Yugoslavia)

Monthly Index of East European Accessions (MAI) LC. Vol. 7, no. 2, February 1958

RUCNY, J.

Tests and the assembly of transmitter tubes. p.169.
(Elektrotechnik, Vol. 12, No. 6, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

RUCNY, Jiri

Defectiveness and breakdown of electric rotary machines.
Elektrotechnik 18 no.5:129-134 My '63.

1. Moravskoslezske elektrotechnicke zavody Brno, n.p., vyvojovy zavod.

WOZNICKA, Wanda; KOWSZYK, Zuzanna; BOROWIECKA, Barbara; CHOJNOWSKI, Wawrzyniec; DOBRZANSKA, Roza; LUBINSKI, Olgierd; MAKAROWSKA, Zofia; NIEMCZYK, Hanna; PASZKIEWICZ, Alina; RUCZAJ, Zbigniew; SOBICZEWSKI, Wojciech; SZCZESNIAK, Tadeusz; SZENIAWSKI, Piotr; TARLECKA, Janina; WILK, Edyta; WITUCH, Krystyna

Alomycin; a new antifungal antibiotic. Med. dosw. mikrob. 9 no.4:441-450 1957.

1. Z Zakladu Antybiotykow Panstwowego Zakladu Higieny w Warszawie.
(ANTIBIOTICS, preparation of
alomycin, fungicidal properties (Pol))

SOBIEZEWSKI, Wojciech; LUBINSKI, Olgierd; RUCZAJ, Zbigniew

Isolation of chlortetracycline from fermentation brine using calcium salt precipitation method. Med. dosw. mikrob. 11 no.1:71-76 1959.

1. Z Zakladu Technologii Instytutu Antybiotykow w Warszawie.
(CHLORTETRACYCLINE, determ.
isolation from brine by calcium salt precipitation (Pol))

SOBICZEWSKI, Wojciech; RUCZAJ, Zbigniew; LUBINSKI, Olgierd

Preparation of chlortetracycline in quarter and semi-technical scale using a method of extraction by organic solvents with added detergents in alkaline media with precipitation with the aid of sodium chloride and acid aqueous solutions. Med. dosw. mikrob. 10 no.3:385-396 1958.

1. Z Zakladu Technologii Instytutu Antybiotykow w Warszawie.
(CHLORTETRACYCLINE, prep. of.
extraction by organic solvents with detergents in alkaline media & precipitation with sodium chloride & acid aqueous solutions (Pol))

MICHALSKI, Tadeusz; RUCZKOWSKA, Janina; MORDARSKI, Marian

Antibacterial properties of Streptomyces. I. Isolation of Streptomyces.
Arch. immun. ter. dosw. 5:225-230 1957.
(STREPTOMYCES, culture
isolation of numerous strains from soil samples (Pol))

METZGER, Mieczyslaw; RUCZKOWSKA, Janina

Application of the oil technique in the one-day TPI test with lysozyme. Arch. immun. ther. exp. 10 no.4:870-876 '62.

1. Department of Protozoology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw; Department of Microbiology, School of Medicine, Wroclaw.
(TREPONEMA IMMOBILIZATION TEST)
(MURAMIDASE) (OILS)

SLOPEK, Stefan; SIEDLECKA, Maria; KUCZKOWSKA, Janina

Sensitivity of Shigella & alkalescens-dispar strains to sulfonamides (sulfathiazole, sulfaguanidine) & antibiotics (aureomycin, chloromycetin, streptomycin). Arch. immun. ter. dosw. 5:271-285 1957.

(SHIGELLA, eff. of drugs on
antibiotics & sulfonamides, sensitivity of Shigella
& alkalescens-dispar strains (Pol))
(ANTIBIOTICS, eff.
on Shigella & alkalescens-dispar strains, sensitivity (Pol))
(SULFONAMIDES, eff.
same)

KIERSNICKA, Irena; RUCZKOWSKA, Janina

Nelson-Mayer reaction as a modern criterion of the curability of syphilis in the light of our observations on a group of patients with a past history of syphilis. Przegl. derm. 49:319-320 '62.

1. Z Kliniki Dermatologicznej AM we Wroclawiu Kierownik: prof. dr H. Mierzocki.

(TREPONEMA IMMOBILIZATION TEST) (SYPHILIS)

POLAND

RUCZAJ, Danuta, mgr.

Research Laboratory, Tarchomin Pharmaceutical Works (Laboratorium Interwencyjno-Badawcze Tarchominskich Zakladow Farmaceutycznych), Warsaw.

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1317-1320.

"The thin-layer chromatography of erythromycin and of its decomposition products."

PASZKIEWICZ, Alina; RUCZAJ, Zbigniew; KOWSZYK-GINDIFER, Zuzanna; WOZNICKA, Wanda; PLOCIENNIK, Zofia; NIEMCZYK, Hanna; KURYLOWICZ, Wlodzimierz

Studies on gramicidin I, a polypeptide antibiotic. I. Production and properties. Med.dosw.mikrob. 13 no.4:377-390 '61.

1. Z Instytutu Antybiotykow w Warszawie.

(ANTIBIOTICS pharmacol)

KOTIUSZKO, Danuta; LUBINSKI, Olgierd; RUCZAJ, Zbigniew; RUSZCZYNSKI, Jan; SOBIECZEWSKI, Wojciech

Preparation of tetracycline (achromycis) by sub-surface fermentation of Streptomyces aureofaciens. Med. dosw. mikrob. 10 no.2:153-164 1958.

1. Z Zakladu Mikrobiologii i Zakladu Technologii Instytutu Antybiotykow w Warszawie.

(TETRACYCLINE, prep. of
sub-surface fermentation of Streptomyces aureofacians (Pol))
(STREPTOMYCES,
aureofacians, sub-surface fermentation in tetracycline prod. (Pol))

KOWSZYK-GINDEFER, Zuzanna; PASZKIEWICZ, Alina. PLOCIENNIK, Zofia;
NIEMCZYK, Hanna; RUCZAJ, Zbigniew; WOZNICKA, Wanda

Oncostation B(X) produced by Streptomyces sp., strain INA 16/58.
Med.dosw.mikrob. 12 no.3:281-300 '60.

1. Z Instytutu Antibiotykow w Warszawie
(ANTIBIOTICS)
(STREPTOMYCES)

PLOCIENNIK, Zofia; RUCZAJ, Zbigniew; KOWSZYK-GINDIFER, Zuzanna; WOZNICKA, Wanda; NIEMCZYK, Hanna; PASZKIEWICZ, Alina

Oncostatin C. II. Chemical part. Med.dosw.mikrob. 13 no.1:52-62 '61.

1. Z Instytutu Antybiotykow w Warszawie.

(ANTIBIOTICS chem)

KIERSNICKA, Irena; RUCZKOWSKA, Janina

Clinical value of the Nelson-Mayer reaction in some forms of syphilis. Przegl. derm. 49 no.2:109-119 '62.

1. Z Kliniki Dermatologicznej AM we Wroclawiu Kierownik: prof. dr H. Mierzecki Z Osrodka Badawczo-Diagnostycznego dla Chorob Wenerycznych przy Zakladzie Mikrobiologii AM we Wroclawiu Kierownik: doc. dr M. Metzger Z Wojewodzkiej Przychodni Skorno-Wenerologicznej we Wroclawiu Dyrektor: dr I Golebiowska.

(TREPONEMA IMMOBILIZATION TEST)

COUNTRY Poland
CATEGORY Microbiology

ABS. JOUR. Ref Zhur-Biologiya, No.4, 1959, No. 14783

AUTHOR Michalski, Tadeusz; Ruczkowska, Janina;
INST. Mordarski, Marian

TITLE Antibacterial Action of Actinomycetes. I. Isolation of Actinomycetes.

ORIG. PUB. Arch. immunol. i terap. doswiadcz., 1957, 5, 225-230

ABSTRACT : No abstract

CARD: 1/1

RUCHKIN, B.F.

Cervical ganglioneuroma. Vop.neirokhir. 22 no.6:48-49 N-D '58.
(MIRA 12:2)

1. Kafedra fakul'tetskoy khirurgii Kalininskogo meditsinskogo instituta.

(GANGLIONEUROMA, case reports,
neck (Rus))
(NECK, neoplasms,
ganglioneuroma (Rus))

MIETKIEWSKI, Kazimierz; CYMERYS, Zbigniew; RUCKI, Tadeusz; WALCZAK, Mieczyslaw

Contributions to histochemical studies on the embryonic testis.
Acta med. pol. 3 no.4:293-305 '62.

1. Department of Normal Histology and Embryology, Medical Academy, Poznan. Director: Prof. Dr. Mietkiewski I Obstetrical and Gynecological Clinic, Medical Academy, Poznan. Director: Prof. Dr W. Michalkiewicz.
(TESTIS) (ASCORBIC ACID) (FETUS) (LIPIDS)
(RIBONUCLEIC ACID) (GLYCOGEN) (PHOSPHATASES)

RUCHKIN, V. A.

Conveyor with an apron type marine chain. Spirt. prom. 29 no.3:40-41 '63. (MIRA 16:4)

1. Yaroslavskiy spirto-vodochnyy kombinat.

(Conveying machinery)

CZECHOSLOVAKIA

RUCKL, V., MD, KUZELOVA, M., MD, and VLASAK, R., Engr [affiliation not given].

"Esters of Acetic Acid (Acetates)"

Prague, Pracovni Lekarstvi, Vol XV, No 6, August 1963, Prehledy [a supplement], pp 11-13].

Abstract: General information on the properties, permissible concentration, uses, hygiene, estimation, toxicology, biological tests, and inspection. Fourteen references, including 8 Czech and 1 Slovak.

1/1
2050

P/532/62/000/017/004/004
D237/D308

AUTHOR: Rucz, Andrzej, Engineer

TITLE: A capacity fuel gage

SOURCE: Warsaw. Instytut Lotnictwa. Prace, no. 17, 1962, 35-42

TEXT: The author describes the principle of operation and constructional details of capacity fuel gages. These are superior to 'floating level' gages as they contain no moving parts and are therefore insensitive to vibrations. A cylindrical or plane air condenser is placed vertically in the fuel tank and connected so as to form one arm of an R-C bridge. Any alteration of the fuel level changes its capacity and throws the bridge out of balance. The resulting emf is amplified and fed into a servomotor, which balances the bridge by the null-method. When used as an aircraft fuel gage, the system should be compatible with the existing electricity supply, have a low current consumption and be stable and accurate under the existing conditions. These considerations govern the author's choice

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P/532/62/000/017/004/004
D237/D308

A capacity fuel gage

of parameters and the actual design of the bridge. Capacity of the measuring condenser should be as large as possible, and the value K ≃ 1.5 - 15 pF/liter is recommended. Short specifications of two prototypes constructed during the research are given, one of them with and the other without an amplifier. There are 15 figures.

SUBMITTED: July, 1962

Card 2/2

METZGER, Mieczyslaw; RUCZKOWSKA, Janina

Influence of lysozyme upon the reactivity of Treponema pallidum in the fluorescent antibody reaction. Arch. immun. ther. exp. 12 no.6:702-708 '64

1. Department of Protozoology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw, and Department of Medical Microbiology, School of Medicine, Wroclaw.

NIKIFOROV, I.; MAKAROV, A.; SMOLYAKOV, N.; SIPER, E.; MOGILA, V.; LARIN, M.; FILIPPOV, K.; TOKMAKOV, V.; BARANOVSKIY, V.; CHETVERIKOV, K.; POZNANSKIY, A.; SHUTOV, M.; ROZENFEL'D, L.; RUD', A.

Mechanization of waterproofing operations. Stroitel' 8 no.11: 15-20 N '62. (MIRA 16:1)

(Waterproofing--Equipment and supplies)

AVROSIMENKO, V.I.; SHCHEDRINSKAYA, Z.M.; GAVRYA, N.A.; Prinimali uchastiye:
AYRAPETYAN, M.T.; ABDULAYEVA, G.A.; TIMOKHINA, M.S.; RUD', A.A.

Catalysts for oxidation processes of natural gas to form formaldehyde and methanol. Zhur.prikl.khim. 38 no.3:643-649 Mr '65. (MIRA 18:11)

1. Submitted Febr. 27, 1963.

RUD', A.G.

Penetrometer with continuous application of load for testing soils. Osn., fund. i mekh. grun. 7 no.4:12-13 '65.
(MIRA 18:8)

YUDIN, D.L., kand.tekhn.nauk, dotsent; ROGOV, A.Ya., kand.tekhn.nauk, dotsent; PORKHACHEV, M.A., inzh.; RUD', A.N., inzh.

Hardening of traction gears for diesel locomotives by means of the plastic deformation of the surface tooth layer on a special stand. Trudy MIIT no.200:21-46 '64. (MIRA 18:8)

PORKHACHEV, M.A., inzh.; RUD', A.N., inzh.

Determining the configuration of gear wheel teeth after hardening along the total profile. Trudy MIIT no.200:102-104 '64

(MIRA 18:8)

L 15159-65 EWP(e)/EWT(m)/EPF(n)-2/EPR/EWP(t)/EWP(b) Ps-4/Pu-4 IJP(c)/ESD(gs)/SSD/AFWL/ASD(f)-2/ASD(m)-3/AS(mp)-2/ASD(p)-3/AFMDC AT/WH/WW/JD/JG

ACCESSION NR: AP4047377 S/0294/64/002/005/0730/0735

AUTHORS: Samsonov, G. V.; Fomenko, V. S.; Paderno, V. N.; Rud', B. M.

TITLE: Thermoemission characteristics of isomorphous carbide alloys

SOURCE: Teplofizika vy*sokikh temperatur, v. 2, no. 5, 1964, 730-735

TOPIC TAGS: heat emission, carbide, alloy, porous material, titanium, niobium, hafnium, zirconium, work function, electron shell,/ OMP 19A micropyrometer

ABSTRACT: A method for the preparation of homogeneous alloys of different composition and for obtaining compact tablets of isomorphous alloys of TaC-ZrC, TaC-HfC and HfC-NbC has been developed. The thermoemission characteristics of these alloys and their dependence on the concentration were studied in the temperature range of 1100-2500C. The tablets were pressed at 2500-2700C over a period of 5 minutes under a pressure of 300 kg/cm^2, and were ground and polished to 6 mm in diameter and 0.6-0.7 mm in height. Their residual porosity did not exceed 5-9%. The thermoemission experiment was conducted following the method of V. I. Marchenko, G. V. Samsonov, and V. S. Fomenko (Radiotekhnika i elektronika, 8, 1076, 1963). Temperatures were measured with a micropyrometer OMP-19A. It was found that the thermoemission characteristics of these alloys depended on the

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L 15159-65
ACCESSION NR: AP4047377

electron shell structure of the constituent metal atoms. The work functions of these alloys were shown to be higher than the work functions of the individual carbides because of the strong interactions between the metal atoms. The nature of variation of the thermoemission characteristics of carbide solid solutions was determined from the relationship between the acceptor capacity of the metal atoms and the probability of having a d^5 type electron configuration. Orig. art. has: 6 figures and 1 table.

ASSOCIATION: Institut problem materialovedeniya, Akademii nauk SSSR (Institute of Material Research Problems, Academy of Sciences SSSR)

SUBMITTED: 21Feb64 ENCL: 00

SUB CODE: MM NO REF SOV: 011 OTHER: 006

Card 2/2

OGANESYAN, V.Kh.; RUD', B.M.

Electric properties of certain transition metal sulfides.
Porosh.met. 5 no.12:54-55 D '65.

(MIRA 19:1)

1. Institut problem materialovedeniya AN UkrSSR. Submitted March 26, 1965.

(A) L 13269-66 EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG

ACC NR: AP6001474 SOURCE CODE: UR/0225/65/000/012/0054/0055

AUTHOR: Oganesyan, V. Kh; Rud', B. M.

ORG: Institute of Materials Research, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: Electric properties of certain sulfides of transition metals

SOURCE: Poroshkovaya metallurgiya, no. 12, 1965, 54-55

TOPIC TAGS: sulfide, transition element, Hall effect, resistivity, electric property, semiconductor research

ABSTRACT: The article deals with the investigation of the Hall effect for some sulfides of transition metals and the determination, on this basis as well as on the basis of the values of the resistivity of these sulfides, of the concentrations and mobilities of current carriers. The specimens for measurements were obtained by the procedure described by G. N. Dubrovskaya and V. Kh. Oganesyan (Izv. AN Arm. SSR, ser. khimicheskaya, 17, no. 4, 1964). The Hall coefficient was measured for direct current by the compensation method in a magnetic field of 22,000-oe intensity. Tabulation of the findings (Table 1) indicates that, aside from α-TiS, all the other sulfides investigated (Ti_2S_3, Nb_2S_3, α-TaS_2, Cr_2S_3, MoS_2, FeS) are extrinsic semiconductors. Apparently the type of conduction is conditioned by the excess or deficiency of S atoms

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L 13269-66
ACC NR: AP6001474

Table 1. Electric Properties of Sulfides

Sulfide	Resistivity ρ, ohm-cm	Thermo-e.m.f. μv/deg	Hall's Constant $R \cdot 10^{-4}$, cm^3/coulomb	Concentration of current carriers, cm^{-3}	Mobility u of current carriers, cm^2/v-sec
α-TlS	$4 \cdot 10^{-4}$	+3,4	+0,44	$1,4 \cdot 10^{23}$	0,11
Ti_2S_3	$1,6 \cdot 10^{-3}$	+10	+6,9	$9 \cdot 10^{21}$	0,43
Nb_2S_3	$5 \cdot 10^{-3}$	+5,1	+12,6	$5,95 \cdot 10^{21}$	0,2
α-TaS_3	$8 \cdot 10^{-3}$	−10	+4,2	$1,5 \cdot 10^{22}$	0,07
Cr_2S_3	10	+350	−36 000	—	—
MoS_2	$6,2 \cdot 10^{-2}$	+120	−170	$3,7 \cdot 10^{20}$	0,28
FeS	$1,3 \cdot 10^{-3}$	−14	+116	—	—

Card 2/3

L 13269-66

ACC NR: AP6001474

in the lattices of these compounds and by the presence of other impurities. Orig. art. has: 2 tables.

SUB CODE: 11, 20/ SUBM DATE: 26Mar65/ ORIG REF: 004/ OTH REF: 001

Card 3/3

SAMSONOV, G.V.; FOMENKO, V.S.; PADERNO, V.N.; RUD', B.M.

Thermionic emission characteristics of alloys of isomorphous carbides. Teplofiz. vys. temp. 2 no.5:730-735 S-O '64. (MIRA 17:11)

1. Institut problem materialovedeniya AN UkrSSR.

L 32676-66 EWT(l)/EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) JD/WW/GD

ACC NR: AT6013566 (A) SOURCE CODE: UR/0000/65/000/000/0278/0285

AUTHOR: Samsonov, G. V.; Fomenko, V. S.; Paderno, V. N.; Rud', B. M.

ORG: Institute of Material Science Problems, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: Thermal emission characteristics of alloys of isomorphic carbides

SOURCE: AN UkrSSR. Institut problem materialovedeniya. Vysokotemperaturnyye neorganicheskiye soyedineniya (High temperature inorganic compounds). Kiev, Naukova dumka, 1965, 278-285

TOPIC TAGS: heat radiation, zirconium carbide, tantalum compound, hafnium compound, niobium compound, work function, CARBIDE

ABSTRACT: The concentration dependence of the thermal emission properties of the TaC-ZrC-, TaC-HfC-, and HfC-NbC carbide system was studied in the 1100°-2500°C range. The carbide samples were prepared by fusing suitable mixtures of oxides with carbon at 2500°-2700°C. At the fusion temperature, the carbide samples were pressed into tablets and machined into bars 6 mm in diameter and 0.6-0.7 mm in length. The measurements were taken at $3\text{-}5\cdot10^{-6}$ mm Hg pressure. It was found that the work function of the isomorphic carbide mixtures is generally greater than the work function of the corresponding individual carbides. This is due to the stronger interaction among the

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metal atoms within the isomorphic mixed carbides. It was also found that the thermal emission properties of the solid solutions are a function of electron receptivity of the metal atoms and of the stability of the d^5-shell configuration of the mixed carbide systems. The dependence of the work function upon temperature for the mixed carbides is shown in figure 1. The dependence of the effective work function at 2000°K upon mixed carbide composition is shown in figure 2. Orig. art. has: 4 figures, 1 table.

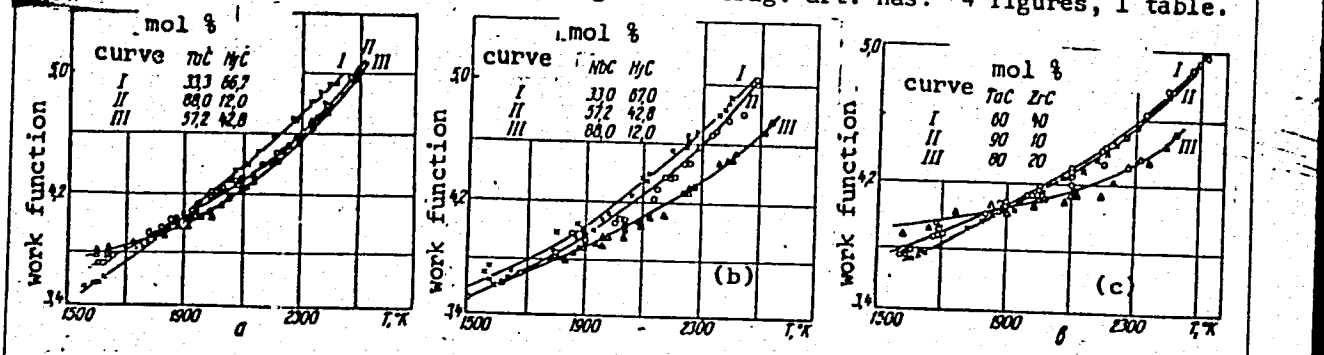

Fig. 1. The dependence of the work function upon temperature for TaC-HfC (a); NbC-HfC (b), and TaC-ZrC (c).

L 32676-66

ACC NR: AT6013566

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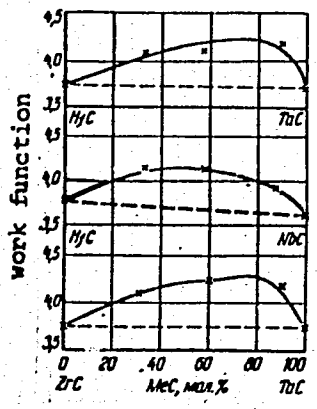


Fig. 2. The dependence of the effective work function at 2000°K upon composition of the TaC-HfC, NbC-HfC, and TaC-ZrC systems.

SUB CODE: 07/ SUBM DATE: 03Jul65/ ORIG REF: 012/ OTH REF: 005

Card 3/3 BLG

L 32053-66 EWP(e)/EWT(m)/EWP(t)/ETI IJP(c) JD/JG/AT/WH

ACC NR: AP6013341 (A) SOURCE CODE: UR/0363/66/002/004/0626/0629

48
B

AUTHOR: Paderno, Yu. B.; Yupko, V. L.; Rud', B. M.; Makarenko, G. N.

ORG: Institute of Materials Science Problems, Academy of Sciences UkrSSR (Institut problem materialovedeniya Akademii nauk Ukr SSR)

TITLE: Physical properties of certain rare earth dicarbides

SOURCE: AN SSSR. Izvestiya. Neorganicheskiy materialy, v. 2, no. 4, 1966, 626-629

TOPIC TAGS: rare earth metal, carbide, electric property, Hall constant, thermoelectromotive force

ABSTRACT: The temperature dependence of the electrical resistance in the 20 — 1300C temperature range, the coefficient of absolute thermoemf, the Hall coefficient at room temperature, and the melting point were measured on the same samples of Y, La, Ce, Pr, and Nd dicarbides. From these measurements, the charge carrier concentrations and mobilities were calculated. An anomalous temperature dependence of the electrical resistance was observed around 1000C. The high effective carrier concentration in CeC_2 as compared to the other dicarbides studied is explained on the basis of the electronic

Card 1/2 UDC: 546.65'261

L 32053-66

ACC NR: AP6013341

structure of the rare earth atoms and the magnetic susceptibility of the dicarbides. The low effective carrier concentration in the case of YC_2 is due to a change in bond character in the C_2 complex, this being supported by data on the hydrolysis of YC_2. Orig. art. has: 1 figure and 2 tables.

SUB CODE: 11 / SUBM DATE: 28May65 / ORIG REF: 012 / OTH REF: 008

Card 2/2

L 7929-66 EWP(e)/EWT(m)/EWP(i)/ETC/EWG(m)/EWP(t)/EWP(b) IJP(c) JD/JG/AT/WH

ACC NR: AP5027935 SOURCE CODE: UR/0363/65/001/010/1787/1790

62
63

AUTHOR: Makarenko, G. N.; Pustovoyt, L. T.; Yupko, V. L.; Rud', B. M.

ORG: Institute of Materials Science Problems, Academy of Sciences, UkrSSR, Kiev (Institut problem materialovedeniya Akademii nauk UkrSSR)

TITLE: Nature of chemical bonding in rare earth dicarbides

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 10, 1965, 1787-1790

TOPIC TAGS: yttrium compound, lanthanum compound, cerium compound, praseodymium compound, neodymium compound, gadolinium compound, chemical bonding

ABSTRACT: In order to study the chemical bonding in rare earth carbides, the composition of gaseous hydrolysis products of yttrium, lanthanum, cerium, praseodymium, neodymium, and gadolinium dicarbides is investigated chromatographically. The evolution of acetylene as the main hydrolysis product indicates that in the dicarbides the carbon-carbon bonds are much stronger than the carbon-metal bonds, which are broken during hydrolysis. The amount of acetylene increases from La to Ge and then to Pr and Nd; this is explained in terms of the electronic structure of the rare earths. Physical properties (melting points, Hall effect, electrical resistivity, thermoemf, and thermal expansion coefficient) of the

Card 1/2 UDC: 546.65'261+541.57

L 7929-66

ACC NR: AP5027935

dicarbides were measured and plotted against the elements and temperature. A structural model is proposed for LaC_2, PrC_2, NdC_2, and CeC_2: in a tetragonal face-centered cell containing four metal atoms and four C_2 groups, ten of the twelve valence electrons of the four metal atoms participate in the C-C bond, and the remaining two (0.5 electron per metal atom) are free and participate in the conduction. It is concluded that the covalent bond is the strongest one in rare earth dicarbides, and that it is combined with an ionic-metallic bond. Orig. art. has: 2 figures and 2 tables.

SUB CODE: IC, GC / SUBM DATE: 05Jul65 / ORIG REF: 007 / OTH REF: 006

Card 2/2

ACC NR: AT7004402 SOURCE CODE: UR/0226/67/000/001/0081/0084

AUTHOR: Rud', B. M.; Paderno, Yu. B.

ORG: Institute of Problems in Science of Materials, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: Physical properties of lanthanum disilicide in the region of homogeneity

SOURCE: Poroshkovaya metallurgiya, no. 1, 1967, 81-84

TOPIC TAGS: physical property, lanthanum disilicide, homogeneity, solid solution

ABSTRACT: The existence of a continuous transition between structures of α-$ThSi_2$ and α-$GdSi_2$ in the region of homogeneity of lanthanum disilicide, detected by the x-ray structural analysis method, has been confirmed. A decrease in the statistical weight of sp^3-hybridization of Si electrons causes rhombic distortion of the structure. With an increase in the deficit of Si atoms in lanthanum disilicides, there is an increase in the specific electric resistivity and Hall's coefficient due to filling of the 3p-band of silicon. The authors express their gratitude to G. V. Samsonov and Ye. I. Gladyshevskiy for valuable comments. Orig. art. has: 3 figures. [Authors' abstract] [AM]

SUB CODE: 11/SUBM DATE: 10Aug66/ORIG REF: 008/OTH REF: 001/

Card 1/1

ACC NR: AP7000531 SOURCE CODE: UR/0363/67/003/002/0395/0397

AUTHOR: Paderno, Yu. B.; Yupko, V. L.; Rud', B. M.; Kvas, O. F.; Makarenko, G. N.

ORG: Institute of Material Science Problems, AN UkrSSR (Institute problem materialovedeniye AN UkrSSR)

TITLE: Electrophysical properties of Gd, Tb, Dy, Er, Tu dicarbides

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 3, no. 2, 1967, 395-397

TOPIC TAGS: gadolinium [redacted], terbium [redacted], dysprosium [redacted], erbium [redacted], thulium [redacted], dicarbide [redacted], carbide, resistivity, Hall effect, carrier density

ABSTRACT: The results are presented of an experimental determination of the electrophysical properties of Gd, Tb, Dy, Er, and Tu dicarbides. Initial powder carbides were obtained by the reduction of metal oxides with carbon in vacuum at 1800°C for 25-60 min. The carbide powders were compacted and sintered in argon at 1700—1800°C for 15 min under a pressure of 100 kg/cm^2; the porosity of sintered compacts was 5—13%; finished specimens were annealed at 1650°C for 8 hr. It was found that carbide resistivity changed from 30 μohm.c. for GdC_2 to 515 μohm.cm for

UDC: 546.65'261:541.12.03

Card 1/2

ACC NR: AF7008531

TuC_2; the coefficient of emf from -5.95 μv/°C for ErC_2 to -7.75 μ v/°C for TbC_2; Hall effect from -2.55 cm^3/coul for TbC_2 to +136 cm^3/coul for TuC_2; effective carrier concentration from 0.018 el/atom M for TuC_2 to 1.04 el/atom M for TbC_2; and mobility from 6.75 cm^2/v. sec for ErC_2 to 19.6 cm^2/ v. sec for TuC_2. Melting points ranged from 2180°C for TuC_2 to 2280°C for ErC_2. Orig. art. has: 1 figure and 2 tables. [TD]

SUB CODE: 11/ SUBM DATE: 13Jan66/ ORIG REF: 009/ OTH REF: 008

Card 2/2

TRUBETSKOV, L.V., dotsent; RUD', B.N., assistent

Shaft remote signaling system. Sbor. nauch. trud. KGRI no.13: 127-128 '62. (MIRA 16:8)

(Remote control) (Mine hoisting)

RUD', Dm.

On the V.I. Lenin Collective Farm. Nauka i pered. op. v sel'khoz.
8 no.4:8-11 Ap '58. (MIRA 11:5)
(Collective farms)
(Repair and supply stations)

RUD', Dmitriy; ANTIPINA, L., red.; KURLYKOVA, L., tekhn. red.

[At the forefront] Na perednem krae. Moskva, Izd-vo "Molodaia gvardiia," 1961. 16 p. (MIRA 14:9)
(Agriculture)

RUD', I.M.

Look at the results of the first spring! Nauka i pered. op. v sel'khoz. 8 no. 7:5-9 Jl '58. (MIRA 11:8)
(Collective farms)
(Machine-tractor stations)

RUD',D.
25693

Iz Derevendkikh zapisey. O Kolkhoze Krasnyy Aksay . Stanitsa Staro-Mikhailovskaya Krasnodarsk. Kraya. Zhivyye Fakty. Ill. P. Goluo'. Ogonek, 1498, No. 30, s. 1 7-18.

SO: LETOPIS NO. 30, 1948

RUD', Dm.

Let that be our norm! Nauka i pered. op. v sel'khoz. 8 no.3:74-76 Mr '58. (MIRA 11:3)

(Agriculture)

SKOCHILOVA, S.Ya.; RUD', E. Kh.

Use of Fischer reagent to check the manufacture of synthetic rubber.
Zav. lab. 24 no. 7:816-817 '58. (MIRA 11:7)

1. Krasnoyarskiy zavod sinteticheskogo kauchuka.
(Rubber, Synthetic)

S/032/60/026/009/015/018
B015/B058

AUTHORS: Rud', E. Kh., Head, Frolova, G. S., Manager

TITLE: Improvement of the Analytical Control at the Krasnoyarskiy zavod sinteticheskogo kauchuka (Krasnoyarsk Synthetic Rubber Plant)

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 9, pp. 1152 - 1153

TEXT: The two authors give a survey of the new analytical control methods conducted at the plant mentioned in the title. It was observed that the greatest effect of the automation of chemical processes is obtained when control and regulation is done according to the quality of the products. Thus, the automation of the steam condensate transport was carried out according to the salt content and a substantial increase of the amount of condensate transported was achieved thereby. The automation of the combination of the alcohol-aldehyde mixture according to its density improved the quality. The composition of the divinyl-α-methyl styrene copolymer is determined from the refractive indices of the

Card 1/2

Improvement of the Analytical Control at the Krasnoyarskiy zavod sinteticheskogo kauchuka (Krasnoyarsk Synthetic Rubber Plant)

S/032/60/026/009/015/018
B015/B058

purified sample. Isopropyl benzene in α-methyl styrene and dimethyl-phenyl carbinol, as well as α-methyl styrene in the raw material are also determined refractometrically. A colorimetric control method was introduced for the determination of methanol, as well as a gasometric high-speed method. Phenol in hydrocarbons is also determined colori-metrically as well as the oxygen content in industrial gases. Divinyl and divinyl butylene mixtures are determined chromatographically and small amounts of divinyl in gases photocolorimetrically. Some substances are determined polarographically, while Fischer's reagent is used for the determination of water. The authors point out that shortage of ap-paratus and instruments complicates automation plans. Special attention must be given to serial production of various analyzers which can be used as control instruments.

ASSOCIATION: Tsentral'naya nauchno-issledovatel'skaya laboratoriya (Central Scientific Research Laboratory) E. Kh. Rud'. Head, G. S. Frolova, Manager of the Analytical Section

Card 2/2

AUTHORS: Kochilova, [illegible] Ya., Rui', [illegible] Kh. SOV/[illegible]-24-7-14/65

TITLE: The Use of Fischer's Reagent in the Control of the Production of Synthetic Rubber (Primeneniye reaktiva Fishera v kontrole proizvodstva sinteticheskogo kauchuka)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 7, pp. 816-817 (USSR)

ABSTRACT: For the purpose of determining the humidity in products of the synthetic rubber industry the so-called Fischer's reagent is used. It consists of a solution of iodine, pyridine and sulfur dioxide in methanol. A. I. B[illegible]zenova took part in the work. The reagent was produced from gaseous SO_2, which was cooled down to 15°. It was placed in a damp-proof container. With it the sample (esters, higher alcohols and benzoic acid) which was dissolved in dry methanol, was titrated, until a red coloring appeared. A control experiment was conducted in which methanol alone was titrated. In order to determine the content of dimethylphenyl carbinole the sample was boiled under the addition of dehydrated sodium bisulfite and dried benzene (or of one of its homologues). Then it was received by dry methanol and the mixture was titrated with

Card 1/2

SOV/[illegible]-24-7-1[illegible]/65

The Use of Fischer's Reagent in the Control of the Production of Synthetic Rubber

the reagent. The determinations last 2[illegible] minutes each. The results of the analysis of artificial and industrial mixtures are given in a table. There are 2 tables.

ASSOCIATION: [illegible] zavod sinteticheskogo kauchuka ([illegible] Plant for Synthetic Rubber)

Card [illegible]

RUD', E.Kh.; SKACHILOVA, S.Ya.; KOPYLOVA, K.V.

Polarographic analysis of commercial zinc benzoate. Zav. lab. 27 no. 12:1454 '61. (MIRA 15:1)

1. Krasnoyarskiy zavod sinteticheskogo kauchuka.
(Zinc benzoate) (Polarography)

RUD', E. Kh.

985. Determination of small amounts of phenol in hydrocarbons. E. Kh. Rud' and S. Ya. Skoblikova (Krasnoyarsk Synthetic Rubber Works). *Zavod. Lab.*, 1956, 22 (8), 919.—In the production of α-methylstyrene by oxidation of cumene followed by decomposition of the hydroperoxide and dehydration of the dimethylphenylcarbinol, a side reaction of decomposition of the hydroperoxide can yield phenol, which acts as an inhibitor of the oxidation of cumene and interferes when α-methylstyrene and butadiene are copolymerised. A method of determining phenol in α-methylstyrene is described. *Procedure* —The sample (100 to 120 g) is thrice extracted by vigorous shaking with 10 ml of 1% NaOH soln., and the combined extracts are diluted to 100 ml in a calibrated flask. An aliquot portion (50 ml) is mixed with 1 ml of a freshly prepared soln. of a diazonium salt, prepared by mixing in the cold equal vol. of 0·1% *p*-nitroaniline hydrochloride and 0·05% $NaNO_2$ soln. The colour intensity is measured against a standard in a Duboscq colorimeter. The method was tested over the range 0·001 to 0·01% with satisfactory results.

G. S. SMITH

RUD', E.Kh.; FROLOVA, G.S.

Improvement of analytical control at the Krasnoyarsk Synthetic Rubber Plant. Zav.lab. 26 no.9:1152-1153 '60. (MIRA 13:9)

1. Nachal'nik TSentral'noy nauchno-issledovatel'skoy laboratorii (for Rud'). 2. Rukovoditel' analiticheskoy gruppy TSentral'noy nauchno-issledovatel'skoy laboratorii (for Frolova).
(Krasnoyarsk--Rubber, Synthetic)

RUD', G. [Rud', H.]

Forest springs. Znan. ta pratsia no. 1:10 Ja '61. (MIRA 14:4)
(Wood distillation)

RUD', G.G.

Influence of excluding respiratory phosphorylation in a neuromuscular specimen on the function of the terminal motor laminae of the skeletal muscles. Zdravookhranenie 2 no.4:45-47 Jl-Ag '59. (MIRA 14:6)

1. Iz kafedry normal'noy fiziologii (zav. - prof. A.A.Zubkov) Kishinevskogo meditsinskogo instituta.
(MUSCLES)

ZUBKOV, A.A.; RUD', G.G.

Interchangability of cortical representation of the right and left eye during work requiring great stress of the visual analyzor. Zdravookhraneniye 6 no.2:38-41 Mr-Ap'63. (MIRA 16:10)

1. Iz kafedry normal'noy fiziologii (zav. - prof. A.A.Zubkov) i gigiyeny (zav. - prof. B.Ya. Reznik) Kishinevskogo meditsinskogo instituta.

RUD', G.G.

Effect of the frequency of voluntary pauses on the efficient planning of the work day under strenous work loads. Zdravookhranenie 4 no.5: 43-45 S-O '61. (MIRA 14:11)

1. Iz kafedry normal'noy fiziologii (zav. prof. A.A.Zubkov) Kishinevskogo meditsinskogo instituta.
(EFFICIENCY, INDUSTRIAL) (INDUSTRIAL HYGIENE)

RUD', G.G.

Operating rate and function of analyzers in work requiring great precision in visual, tactile, and proprioceptive control. Zdravookhranenie 3 no. 5:47-54 S-O '60. (MIRA 13:10)

1. Iz kafedry normal'noy fiziologii (zav. - prof. A.A. Zubkov) Kishinevskogo meditsinskogo instituta.
(SENSES AND SENSATION) (WORK, METHOD OF) (INDUSTRIAL HYGIENE)

GRIMAL'SKIY, V.L., prof.; CHETYRKIN, V.S., prof., red.toma; RUD', G.Ya., kand.sel'skokhoz.nauk, red.; SUBBOTOVICH, A.S., kand.sel'skokhoz. nauk, red.; KOLESNIK, L.V., doktor sel'skokhoz.nauk, red.; SEMENOV, A.N., doktor tekhn.nauk, red.; KOVARSKIY, A.Ye., doktor sel'skokhoz.nauk, red.; FROLOV, N.P., doktor ekonom.nauk, red.; MATSYUK, L.S., kand.sel'skokhoz.nauk, red.; GUSAK, I.V., kand.tekhn.nauk, red.; URSUL, D.T., kand.filos.nauk, red.; LEGAS', I.Ye., kand. istor.nauk, red.; SHEVCHUK, I.P., kand.ekonom.nauk, red.; KACHANOVA, N., red.; TIMOSHENKO, A.G., kand.sel'skokhoz.nauk, zamestitel' red.; SHPANER, V., tekhn.red.

[Bodies of water of the Reut Basin, their hydrobiological conditions and the outlook for their utilization in commercial fishing.] Vodoemy basseina reki Reuta, ikh gidrobiologicheskii rezhim i perspektivy rybokhoziaistvennogo ispol'zovaniia. Kishinev, Izd-vo sel'skokhoz. lit-ry, 1962. 191 p. (Kishinev.Sel'skokhoziaistvennyi institut im. M.V.Frunze. Trudy, vol.29). (MIRA 17:2)

RUD', G.Ya.; MALTABAR, V.M., kand.sel'skokhoz.nauk; UL'YANKIN, M.G.; ANDREYEV, V.V.; FROLOVA, Zh.N.; REVENOK, I.D.

Mechanized continuous V-KS-100 production line for the processing of grapes to brandy alcohol. Trudy MNIIP 4:3-12 '64.

(MIRA 18:1)

L 41164-65 EWT(m)/EPF(c)/EWA(d)/EWP(j)/T/EWP(t)/EWP(b) Pc-4/Pr-4
ACCESSION NR: AP5007167 JD/WB/RM S/0286/65/000/003/0038/0038

AUTHOR: Zobov, Ye. V.; Rud', G. Ya.; Shchelkunova, M. S.; Dyul'ger, T. B.

TITLE: A method for protection of metal and concrete surfaces. Class 22, No. 167924

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 3, 1965, 38

TOPIC TAGS: resin/ ED-5 resin, ED-6 resin

ABSTRACT: This Author's Certificate introduces a method for protecting metal and concrete surfaces by the application of a primer based on ED-5 resin, a hardener and filler followed by the application of a finish coat based on ED-6 resin with a hardener and filler. The coating surface is then toughened by heating to 140°C. In order to prevent extraction of the hardener from the lacquer surface by nutritive atmospheres [sic], a three-step process is used in hardening: first 20°C for 12 hours, then 60°C for 3 hours and finally 140°C for 3 hours.

ASSOCIATION: none

Card 1/1 Submitted: 27 Nov 61

RUD', G. Ya.

Manufacture of grape juice in Moldavia. Trudy MNIIPP 1:3-8 '61. (MIRA 16:1)

(Moldavia—Grape juice)

1. RUD', I.
2. USSR (600)
4. Telecommunication
7. Let's share our experience, Sov. sviaz., 3, No. 4, 1953.

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

RUD', DM.

"Note about [illegible] Production in Automobile Plant in Molotov, Gor' Kiy, Gor'kovskaya O.,
[illegible].

Source: M: Trud #38, Moscow 15 Feb 45. Abstracted in U.S.F "Treasure Island," on file in Library of Congress, Air Information Division, Report No. 87910. Unclassified.

NELYUBIN, V.P., nauchnyy sotrudnik; RUD', I.A., veterinarnyy vrach

Ditilin in the castration of swine. Veterinariia 40 no.10:46 O'63. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Nelyubin).

LOGINOV, A., kand.pedagog.nauk; KOVACH, S.K. (g.Satanov, Khmel'nitskoy obl.); BAYEV, S.Ya., uchitel'; POPOVA, A.N., uchitel'nitsa; ZAMULIN, G.T.; YEMEL'YANOVA, T.I.; PYATNITSKIY, M.P.; YAROSHCHUK, N.A., uchitel'; CHISTYAKOV, V.M., uchitel'; LENSHIN, A.S. (g. Novosibirsk); NOSKOV, V.I., (g.Feodosiya); RUD', K.A., uchitel'nitsa; VASIK, G.Ye., uchitel'; GAPONENKO, I.M.

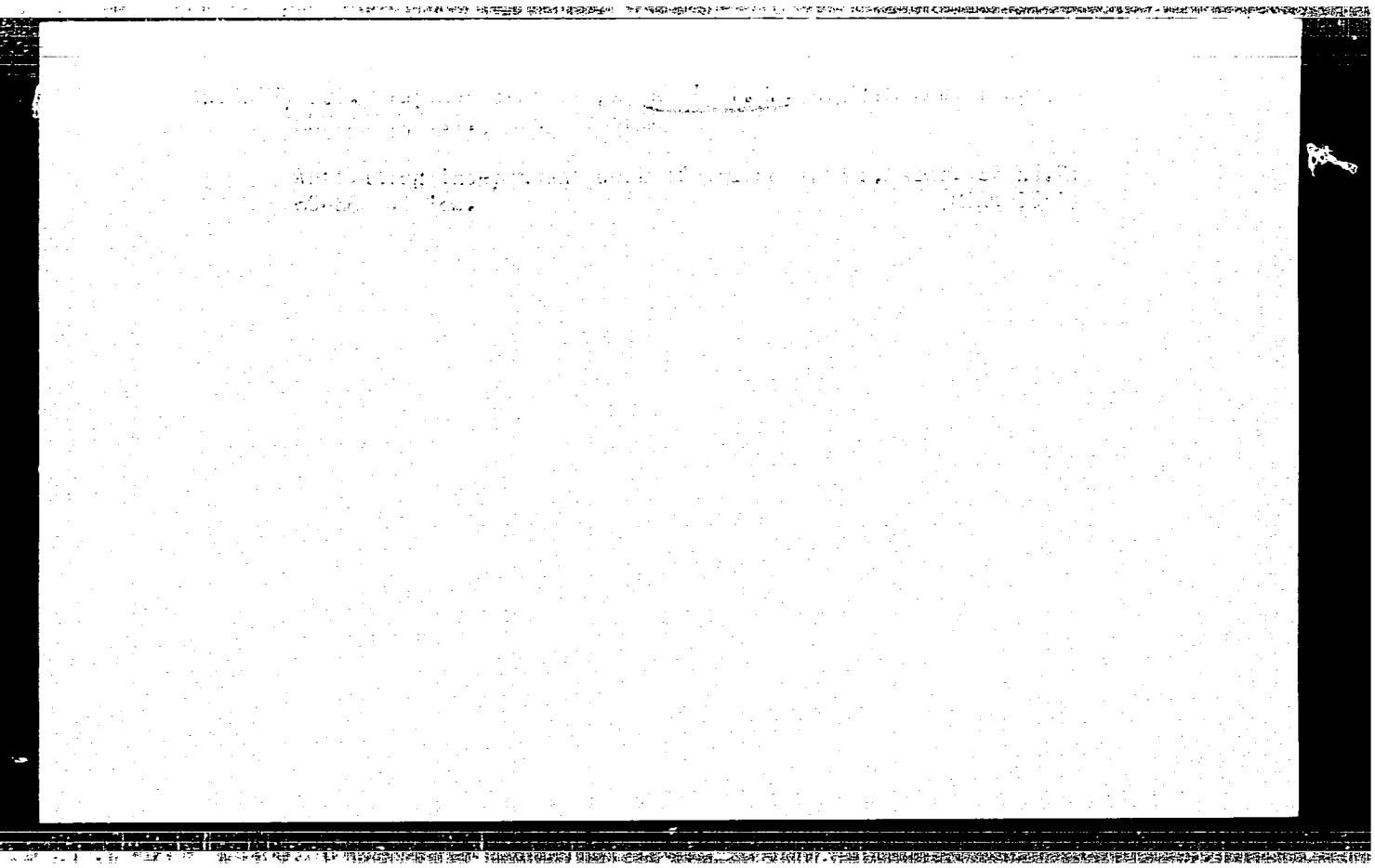
Editor's mail. Khim. v shkole 15 no.3:73-78 My-Je '60. (MIRA 14:7)

1. Pedinstitut, g. Ulan-Bator (for Loginov). 2. Ordzhonikidzevskaya srednyaya shkola No.5, Stavropol'skiy kray (for Bayev). 3. Nikiforovskaya shkola sel'skoy molodezhi, Tambovskoy oblasti (for Popova). 4. Pedagogicheskiy institut g. Krasnodara (for Zamulin, Yemel'yanova, Pyatnitskiy). 5. Srednyaya shkola No.8, g. Vinnitsy (for Yaroshchuk). 6. Srednyaya shkola sovkhoza "Spartak" Saratovskoy obl. (for Chistyakov). 7. Srednyaya shkola No.14 g. Stalina (for Rud'). 8. Shkola No.569 g. Moskvy (for Vasik). 9. Pedagogicheskiy institut, g. Novozybkov (for Gaponenko).

(Chemistry—Study and teaching)

[illegible], V.I.; [illegible], I.L.; PUKSOVA, V.V.; RUD', L.A.

Yield of furfural and other wood chemical products in the pyrolysis of beechwood impregnated with sulfuric acid. Gidroliz. i lesokhim. prom. 12 no.4:16-17 '59. (MIRA 17:10)



APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001445910007-0"

GOLOVKO, A.F.; ZUD', L.V., BUKHOVTSEV, P.P.; DUMATSENKO, A.A. (L'vov)

Early hospitalization of patients with acute disorders of cerebral circulation. Vrach. delo no.3:68-71 Mr '64. (MIRA 17:4)

1. Kafedra nervnykh bolezney L'vovskogo meditsinskogo instituta i nefrologicheskoye otdeleniye L'vovskoy oblastnoy klinicheskoy bol'nitsy.

RUD', L. V.

Clinical aspects and diagnosis of carcinomatosis of the meninges. Vrach. delo no.6:37-40 Je '62. (MIRA 15:7)

1. L'vovskaya oblastnaya klinicheskaya bol'nitsa.

(MENINGES--CANCER)

PODDUBNYY, I.; YANIKOV, I.; FABRIKOV, G., zhivotnovod; TARASYUK, A.; TSAPLIN, V.; BAKLITSKAYA, Ye., zven'yevaya; GRIDINA, A., doyarka; KRAVTSOVA, Z., telyatnitsa; KOMYAGINA, R., svinarka; SAVEL'YEV, I., chaban; SLADKOMEDOVA, N., ptichnitsa; RUD, M., mekhanizator; GOGIN, S., mekhanizator.

Our collective farm in seven years. Nauka i pered.op.v sel'khoz. 9 no.1:5-9 Ja '59. (MIRA 13:3)

1. Kolkhoz "Ukraina," Kirovskogo rayona Krymskoy oblasti. 2. Predsedatel' kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Poddubnyy). 3. Glavnyy agronom kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Yanikov). 4. Glavnyy mekhanik kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Tarasyuk). 5. Sekretar' partorganizatsii kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for TSaplin).
(Kirovskoye District--Agriculture)

L 18250-63 EWT(1)/EWT(m)/BDS/ES(w)-2 AFFTC/ASD/IJP(C)/SSD Pab-4

ACCESSION NR: AP3002118 S/0185/63/008/006/0645/0656 62

AUTHOR: Rud', M. A. 21

TITLE: On a kinetic equation of a system of charged particles 19

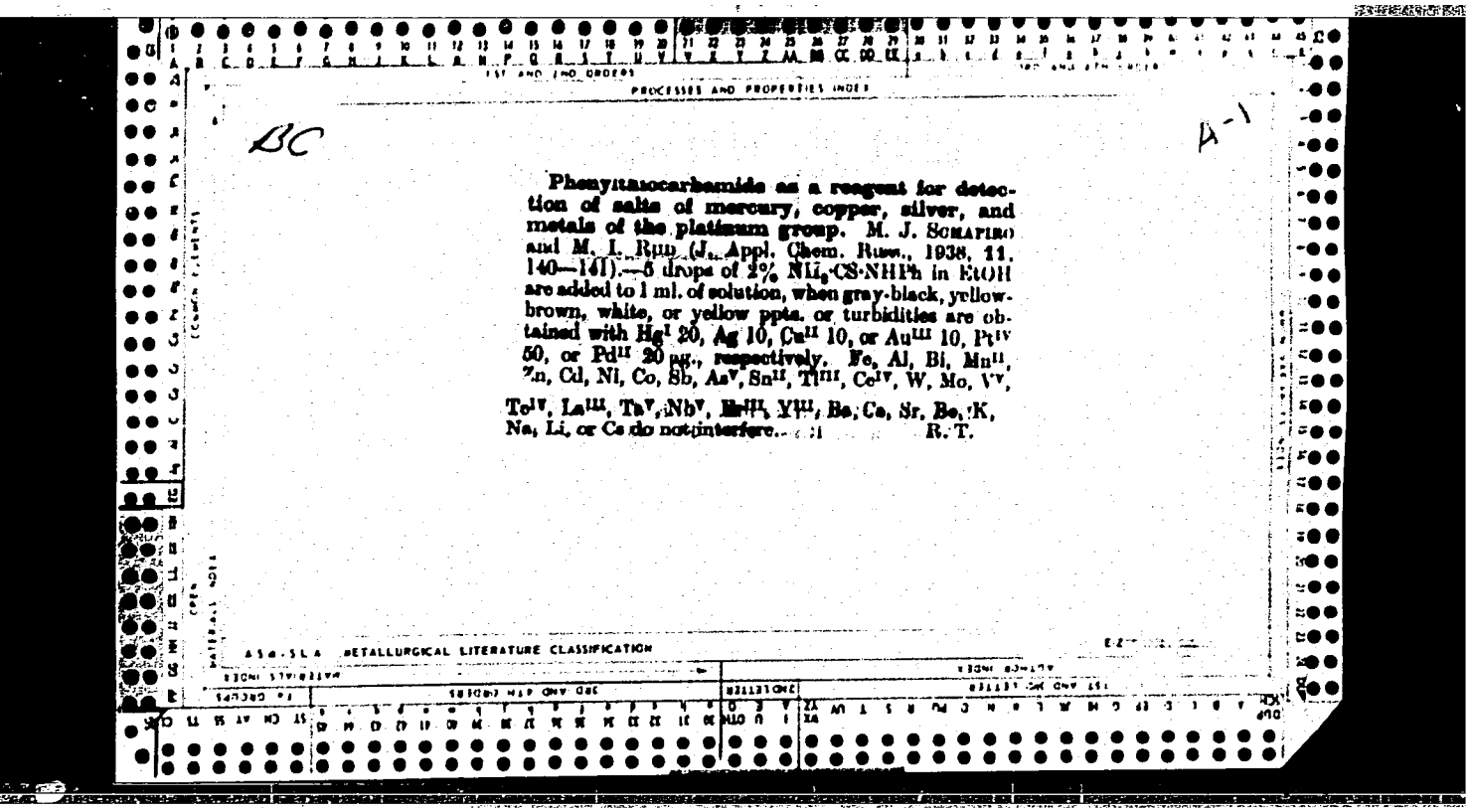
SOURCE: Ukrains'kyy fizychunyy zhurnal, V. 8, no. 6, 1963, 645-656

TOPIC TAGS: kinetic distribution, correlation function multiparticle correlation, many-body problem

ABSTRACT: In this paper the author develops a method of obtaining a kinetic distribution function of a group of s arbitrarily charged particles. It is shown that this function depends on the correlation kinetic distribution functions of 2, 3, ..., s particles. An expression has been developed for any approximation of this function. Certain conclusions arrived at coincide with those obtained by M. M. Bogolyubov, in reference 1. Equations are derived for correlation kinetic distribution functions as well as equations for any of their approximations. Orig. art. has: 25 numbered equations, many of which take up ½ page.

ASSOCIATION: L'vivs'ky*y Derzhuniversy*tet im. Iv. Franka
(Lvov State University im. I. Frank)

Card 1/2



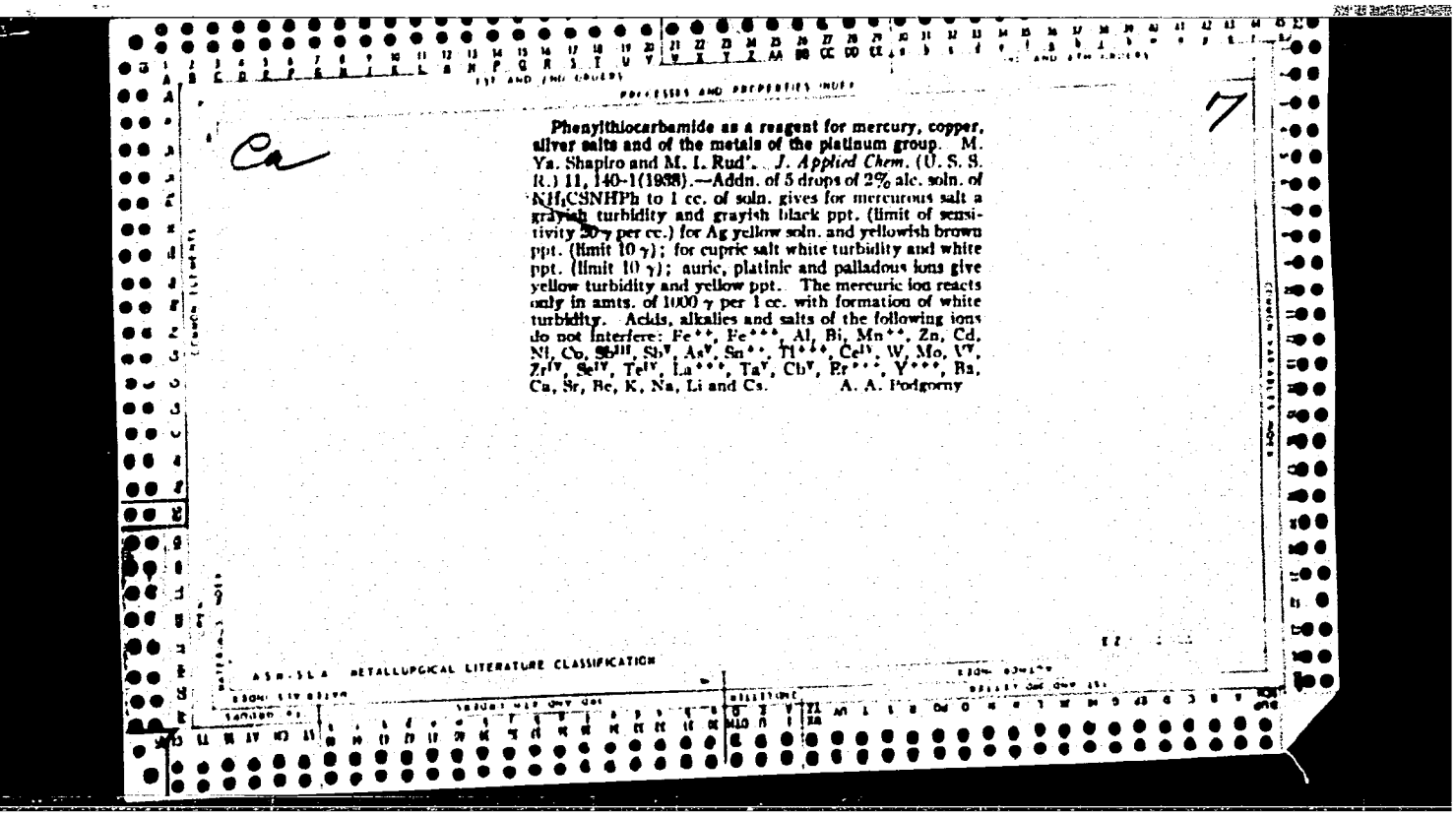
PROCESSES AND PROPERTIES INDEX

BC

A-1

Phenylthiosemicarbamide as a reagent for detection of salts of mercury, copper, silver, and metals of the platinum group. M. J. SCHAPIRO and M. I. RUD (J. Appl. Chem. Russ., 1938, 11, 140—141).—5 drops of 2% $NH_2{\cdot}CS{\cdot}NHPh$ in EtOH are added to 1 ml. of solution, when gray-black, yellow-brown, white, or yellow ppts. or turbidities are obtained with Hg^{I} 20, Ag 10, Cu^{II} 10, or Au^{III} 10, Pt^{IV} 50, or Pd^{II} 20 µg., respectively. Fe, Al, Bi, Mn^{II}, Zn, Cd, Ni, Co, Sb, As^{V}, Sn^{II}, Ti^{III}, Ce^{IV}, W, Mo, V^{V}, Te^{IV}, La^{III}, Ta^{V}, Nb^{V}, In^{III}, Y^{III}, Be, Ca, Sr, Ba, K, Na, Li, or Cs do not interfere. R. T.

A5a-5L A METALLURGICAL LITERATURE CLASSIFICATION

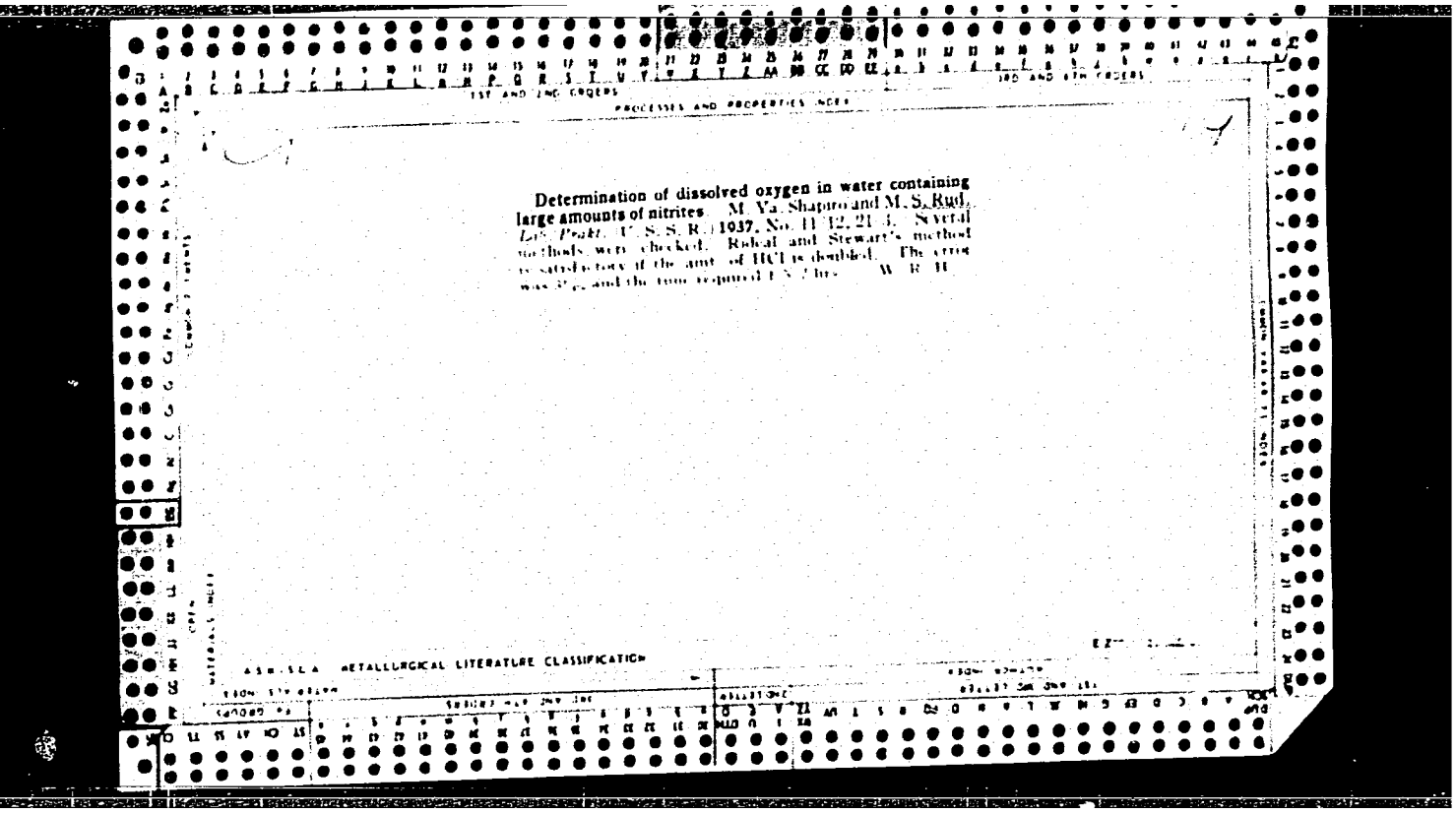


Ca

7

Phenylthiocarbamide as a reagent for mercury, copper, silver salts and of the metals of the platinum group. M. Ya. Shapiro and M. I. Rud'. *J. Applied Chem.* (U. S. S. R.) 11, 140-1(1938).—Addn. of 5 drops of 2% alc. soln. of $NH_2CSNHPh$ to 1 cc. of soln. gives for mercurous salt a grayish turbidity and grayish black ppt. (limit of sensitivity 20 γ per cc.) for Ag yellow soln. and yellowish brown ppt. (limit 10 γ); for cupric salt white turbidity and white ppt. (limit 10 γ); auric, platinic and palladous ions give yellow turbidity and yellow ppt. The mercuric ion reacts only in amts. of 1000 γ per 1 cc. with formation of white turbidity. Acids, alkalies and salts of the following ions do not interfere: Fe^{++}, Fe^{+++}, Al, Bi, Mn^{++}, Zn, Cd, Ni, Co, Sb^{III}, Sb^{V}, As^{V}, Sn^{++}, Tl^{+++}, Ce^{IV}, W, Mo, V^{V}, Zr^{IV}, Se^{IV}, Te^{IV}, La^{+++}, Ta^{V}, Cb^{V}, Pr^{+++}, Y^{+++}, Ba, Ca, Sr, Be, K, Na, Li and Cs. A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Determination of dissolved oxygen in water containing large amounts of nitrites. M. Ya. Shapiro and M. S. Rud. *Zavodskaya Lab.* U. S. S. R. 1937, No. 11, 12, 21-3. Several methods were checked. Rideal and Stewart's method is satisfactory if the amt. of HCl is doubled. The error was 3% and the time required 1½ hrs. W. R. H.

A.S.M.E.A. METALLURGICAL LITERATURE CLASSIFICATION

RUD', N.A. [Rud', M.A.]

Kinetic equation of a system of charged particles. Ukr. fiz. zhur. 8 no.6:645-656 Je '63. (MIRA 16:7)

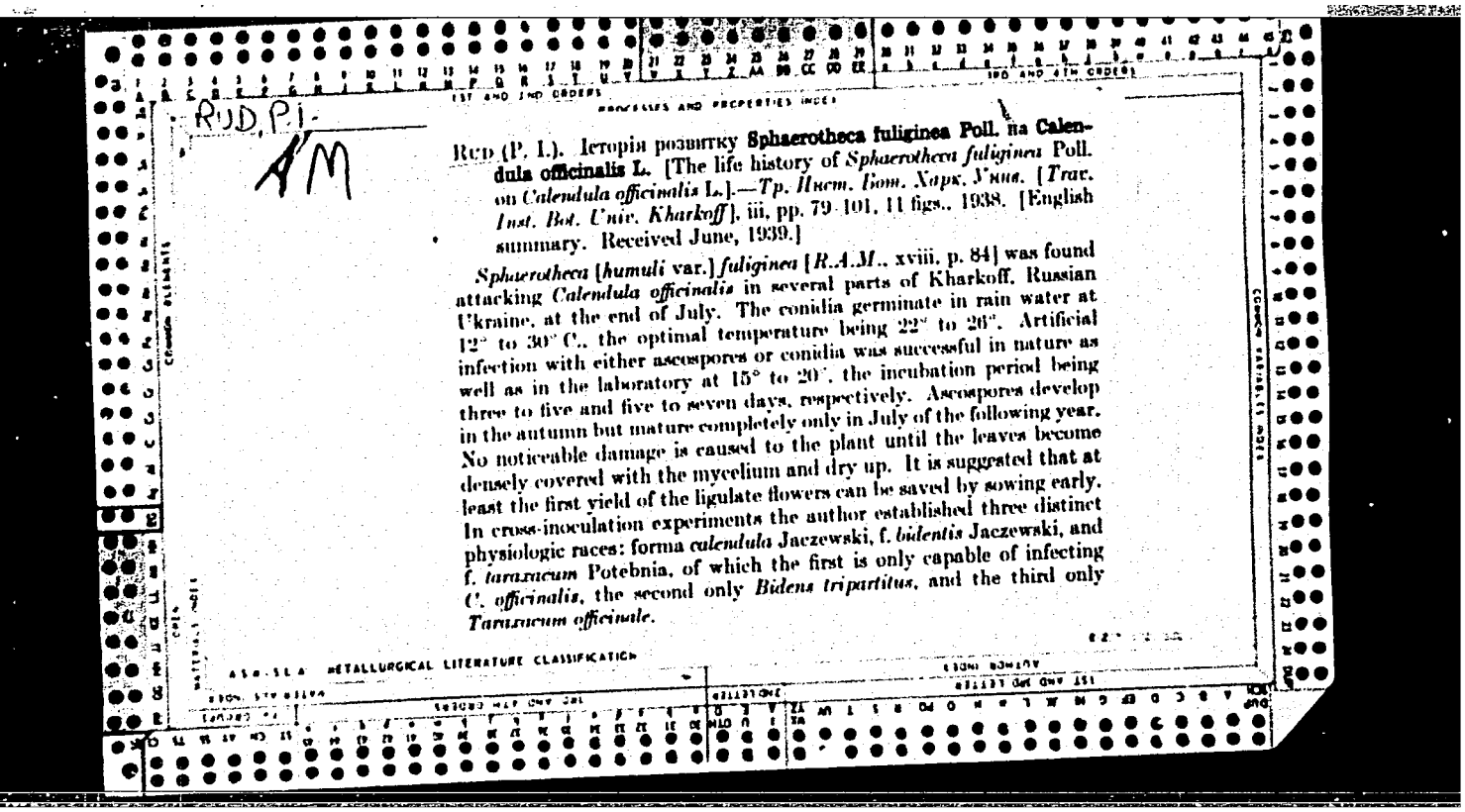
1. L'vovskiy gosudarstvennyy universitet im. Iv.Franko.
(Particles (Nuclear physics))

RUD', V.N.

Differential geometry of spaces with projective metric.
Uch. zap. MGPI no. 243:325-344 '65 (MIRA 19:1)

RUD', O.; KOSTIN, M.

Machine tool for molding "woodstone" slabs. Bud. mat. i konstr. 4 no.2:59-60 Mr-Ap '62. (MIRA 15:9)
(Floors)



RUD, P. I.

AM

Rud (P. I.). Історія розвитку **Sphaerotheca fuliginea Poll. на Calendula officinalis L.** [The life history of *Sphaerotheca fuliginea* Poll. on *Calendula officinalis* L.].—*Тр. Инст. Бот. Харк. Унив.* [*Trav. Inst. Bot. Univ. Kharkoff*], iii, pp. 79-101, 11 figs., 1938. [English summary. Received June, 1939.]

Sphaerotheca [*humuli* var.] *fuliginea* [*R.A.M.*, xviii, p. 84] was found attacking *Calendula officinalis* in several parts of Kharkoff, Russian Ukraine, at the end of July. The conidia germinate in rain water at 12° to 30° C., the optimal temperature being 22° to 26°. Artificial infection with either ascospores or conidia was successful in nature as well as in the laboratory at 15° to 20°, the incubation period being three to five and five to seven days, respectively. Ascospores develop in the autumn but mature completely only in July of the following year. No noticeable damage is caused to the plant until the leaves become densely covered with the mycelium and dry up. It is suggested that at least the first yield of the ligulate flowers can be saved by sowing early. In cross-inoculation experiments the author established three distinct physiologic races: forma *calendula* Jaczewski, f. *bidentis* Jaczewski, and f. *taraxacum* Potebnia, of which the first is only capable of infecting *C. officinalis*, the second only *Bidens tripartitus*, and the third only *Taraxacum officinale*.

KUCHER, R.V.; RUD', R.N.

Separation of nono-, di-, and hydroperoxide of p-diisopropyl-benzene by chromatography on silica gel. Zav.lab. 29 no.1: 19-22 '63. (MIRA 16:2)

1. L'vovskiy gosudarstvennyy universitet imeni Ivana Franko.
(Cumene) (Hydroperoxide) (Chromatographic analysis)

SHAMSHTEYN, M.G.; VALUYSKIY, B.V.; FEYST, A.K.; PODLESNYKH, S.N.; RUD', R.U.

Printer for additive printing of color films. Tekh. kino i telev. 4 no.8:12-20 Ag '60. (MIRA 13:8)

1. Nauchno-issledovatel'skiy kinofotoinstitut, i Moskovskaya fabrika massovoy pechati tsvetnykh fil'mov.
(Color photography--Printing processes)
(Motion-picture photography--Equipment and supplies)

RUD, U. Kh.

(2)

Fuel Abstracts
May 1954
Natural Solid
Fuels: Winning

3341. PK-2M SHAFT-SINKING MACHINE. / Rud, U. Kh. and Samoteeva, K.I. (Mekhan. Trud. tyazhel. Rabot (Mech. arduous WK), Aug. 1953, 24-27).

HUD', U.Kh., gornyy inzhener; SAMOTEYEVA, K.I., gornyy inzhener.

Remarkable experience of machinists of PK-2m coal cutting combines. Mekh. trud.rab. 7 no.8:24-28 Ag '53. (MLRA 6:8)
(Coal-mining machinery)

RUD', V.A.

Contactless control of the main drive of the 900 rail and structural mill stand. Met. i gornorud. prom. no. 2:69 Mr-Ap '64. (MIRA 17:9)

[illegible] [illegible], kand. tekhn. nauk; RUD', V.I., [illegible] [illegible], kand. tekhn. nauk

[illegible] types of mine battery chargers with semiconductor rectifiers. [illegible] vys. ucheb. zav.; gor. zhur. 8 no.7:161-166 '65. (MIRA 18:9)

[illegible] ordena Trudovogo Krasnogo Znameni gornyy [illegible] [illegible]. [illegible] kafedroy elektrifikatsii [illegible] promyshlennykh predpriyatiy.

VOLOTKOVSKIY, S.A., doktor tekh.nauk; FURSOV, V.D., inzh.; KOVAL', I.K. inzh.; RUD', V.I., inzh.

Operating characteristics of electric charging devices with semiconductor rectifiers for use in mines. Vest. elektroprom. 34 no.8: 62-64 Ag '63. (MIRA 16:9)
(Electric current rectifiers) (Electricity in mining)

L 17597-66

ACC NR: AP6000571 SOURCE CODE: UR/0109/65/010/012/2266/2267

AUTHOR: Akchurin, E. A.; Rud', V. V.

ORG: none

33
B

TITLE: Tunnel-diode oscillator

SOURCE: Radiotekhnika i elektronika, v. 10, no. 12, 1965, 2266-2267

TOPIC TAGS: tunnel diode, oscillator

ABSTRACT: As only partial analyses of the tunnel-diode oscillator have been published in the literature, the authors offer a more complete analysis based on a quasi-linear method. Average conductance G and average d-c current component I of the tunnel diode are determined depending on the oscillator operating conditions. The principal oscillator characteristics, such as excitation regions, stationary amplitude of oscillations, output power, etc., can be determined from the equation: $|G| R_e = 1$, which describes the stationary operating conditions; here, R_e is the equivalent resonant resistance of the oscillatory circuit. Also, the characteristics of an oscillator with automatic grid bias can be determined from the curves presented in this short article. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 09 / SUBM DATE: 22Jul64 / ORIG REF: 003 / OTH REF: 003

Card 1/1 nst UDC: 621.373.52

L 8097-66 EWT(1)/EWA(h)

ACC NR: AP5028143 SOURCE CODE: UR/0106/65/000/011/0072/0075

AUTHOR: Rud', V. V.

ORG: none

TITLE: Output power of tunnel-diode oscillators

SOURCE: Elektrosvyaz', no. 11, 1965, 72-75

TOPIC TAGS: electronic oscillator, tunnel diode oscillator

ABSTRACT: Some interesting features of the tunnel-diode oscillator left out in the Tarney analysis (Proc. IRE, 1962, no. 10) are dealt with. These conclusions are reported: (1) The oscillator develops its maximum output under hard excitation conditions; (2) For each value of the bias voltage, an optimal value of the load conductance can be determined; (3) Under soft excitation conditions, the oscillator is less critical to load variation than under hard excitation conditions; (4)Under hard excitation conditions, the maximum output can be obtained near the point of collapse of oscillations; (5) In the space P, G, E_0, the output is represented by a bounded surface which can be explained by the restricted falling segment of the tunnel-diode I-V characteristic (here, P is power, G — load conductance,

Card 1/2 UDC: 621.372.1.061

L 8097-66
ACC NR: AP5028143

0

E_o -- bias voltage). Orig. art. has: 8 figures and 1 formula.

SUB CODE: 09 / SUBM DATE: 27Jan65 / ORIG REF: 001 / OTH REF: 000

Card 2/2 gw

AKCHURIN, E.A.; HUD', V.V.

Self-oscillator using a tunnel diode. Radiotekh. i elektron. 10 no.12:2266-2267 D '65. (MIRA 19:1)

1. Submitted July 22, 1964.