

OGLOBLIN, D.M., prof.; ZORYA, N.M., inzh.

Investigating fault processes in rocks and earth surfaces on
flat models of similar materials. Nauch. dokl. vys. shkoly; gor.
dolo no.1:77-88 '58. (MIRA 11:6)

1. Predstavlena kafedroy marsheyderskogo dela Donetskogo
industrial'nogo instituta.
(Geological modeling) (Faults (Geology))

ZORYA, N.M., kand. tekhn. nauk; MUZAFAROV, F.I., inzh.

Using the method of equivalent materials in volumetric modeling.
Izv. vys. ucheb. zav.; gor. zhur. 6 no.6:64-70 '63. (MIRA 16:8)

1. Donetskoy ordena Trudovogo Krasnogo Znameni politekhnicheskoy
institut. Rekomendovana kafedrami marksheyderskogo dela i
geodezii.

(Rocks--Testing)

(Geological models)

ZORYA, N.M., kand.tekhn.nauk; PROKOF'YEV, V.P., inzh.

Study of the manifestation of rock pressure with a change in the
depth of mining. Izv.vys.ucheb.zav.;gor.zhur. 6 no.11:54-58
'63. (MIRA 17:4)

1. Donetskii ordena Trudovogo Krasnogo Znameni politekhnicheskii
institut. Rekomendovana kafedroy marksheyderskogo dela.

ZORYA, N.M., kand.tekhn.nauk; MUZAFAROV, F.I., inzh.

Measuring points of displacement in three dimensional models.
Izv.vys.ucheb.zav.; gor.zhur. 7 no.2:58-63 '64. (MIRA 17:3)

1. Donetskii politekhnicheskii institut. Rekomendovana kafedroy
marksheyderskogo dela.

ZORYA, N.M., inzh.

Modeling the process of rock and earth surface faulting by means of
equivalent materials. Izv. vys. ucheb. zav.: gor. zhur. no.1:71-81
'58. (MIRA 11:5)

1. Donetskii industrial'nyy institut.
(Faults (Geology)) (Geological modeling)

ZORYA, N. M., kand. tekhn. nauk; PROKOP'YEV, V. P., inzh.

Relation between the length of a longwall and the manifestation of rock pressure in a rock formation. Ugol' Ukr: 7 no.4: 3-5 Ap '63. (MIRA 16:4)

1. Donetskiy politekhnicheskiy institut.

(Coal mines and mining)
(Rock pressure)

OGLOBLIN, D.N., prof.; ZORYA, N.N., kand.tekhn.nauk; KHENEV, N.I., inzh.

Pattern of rock shifting during the working of a single steeply dipping seam. Izv.vys.ucheb.zav.; gor.zhur. no.2:45-48 '60. (MIRA 14:5)

1. Donetskii industrial'nyy instytut.
(Mining geology)

ZORYA, V.G., kand.med.nauk (Vinnitsa)

"Injuries to the semilunar cartilages and their treatment" by
A.D. Litvinenko. Reviewed by V.G. Zoria. Ortop.travn. i protez.
20 no.2:65-66 F '59. (MIRA 12:12)
(KNEE--WOUNDS AND INJURIES) (LITVINENKO, A.D.)

ZORYA, V. G. Cand Med Sci -- (diss) "On the changes in blood gases occurring during the post-operative period following certain intra-abdominal operations." Odessa, 1958. 15 pp (Odessa State Med Inst in N. I. Pirogov), 100 copies (KL, 14-58, 117)

-107-

ZORYA, V.G. (Vinnitsa, ul.B. Lyuksenburg, d.18, kv.110)

Shifts in the body's oxygen supply immediately following certain abdominal operations; data from a study of blood gases. (MIRA 1116)
Nov.khir.srkh. no.2:53-57 Nr-Ap '58

1. Kafedra gospiatal'noy khirurgii (zav. - prof. I.A. Shrayer)
Vinnitskogo meditsinskogo instituta.
(ABDOMEN--SURGERY)
(BLOOD--OXYGEN CONTENT)

ZORYAN, V.G.

Study of the mechanism of the effect of reserpine on the function
of the adrenal cortex. Farm. i toks. 28 no.5:547-550 9-0 '65.
(MIRA 18:12)

1. Kafedra farmakologii (zav. - prof. M.F. Markulov) II Mos-
kovskogo meditsinskogo instituta imeni N.I. Pirogova. Submitted
April 17, 1965.

ZORYA, V.G.

ZORYA, V.G.

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Blood gases in peptic ulcer and gastric cancer. Vrach, delo no.10:
1097 0 '57. (MIRA 10:12)

1. Kafedra gospiatal'noy khirurgii (zav. - prof. I.A.Shrayer)
Vinnitskogo meditsinskogo instituta.
(BLOOD, GASES IN) (PEPTIC ULCER) (STOMACH--CANCER)

ZORYA, V. G.

ZORYA, V.G.

Rational method of arterial puncture. Klin. med. 32 no. 5:63
Ky '54. (MLHA 7:7)

1. Iz kafedry gosptal'noy khirurgii (sav. prof. I.A. Sharayer)
Vinnitskogo meditsinskogo instituta.

(ARTERIES,

*puncture, technic)

(PUNCTURES,

*arteries, technic)

ZORYA, V.G.

Penicillin therapy in hematogenic osteomyelitis of the spine. Sov.
med. 21 no.4:121-122 Ap '57. (MIRA 10:7)

1. Iz kafedry gosital'noy khirurgii (zav. - prof. I.A.Shrayer)
Vinnitskogo meditsinskogo instituta (dir. - dotsent S.I.Korkhov)

(OSTEOMYELITIS, ther.

penicillin in hematogenic osteomyelitis of spine)

(SPINE, dis.

hematogenic osteomyelitis, penicillin ther.)

(PENICILLIN, ther. use

hematogenic osteomyelitis of spine)

SHRAYER, I.A., prof.; ZORYA, V.G., kand.med.nauk (Vinnitsa, ul.R.Lyuksemburg,
d.2/21, kv.91)

Potentiation in local and general anesthesia. Nov. khir. arkh. no.1:
95-98 Ja-F '60. (MIRA 15:2)

1. Kafedra gospi'tal'noy khirurgii (zav. - prof. I.A.Shrayer) Vinnitskogo
meditsinskogo instituta.
(ANESTHESIA)

ZORYA, V.G., kand.med.nauk (Vinnitsa, ul. Rozy Lyuksenburg, d.2/21, kv.91);
DROZDOVSKAYA, T.H.

Prosthesis in cicatricial obstruction of extrahepatic biliary
ducts. Klin.khir. no.9872-74 S '62. (MIRA 16:5)

1. Kafedra obshchey khirurgii (zav. -- prof. A.P. Yurikhin) Vinnitskogo
meditsinskogo instituta.
(PROSTHESIS) (BILE DUCTS)

CHALYY, V.P.; ZORYA, V.T.

Effect of the precipitation conditions on the dispersity of
metal hydroxide precipitates. Zhur. neorg. khim. 9 no.11s
2536-2539 N '64 (MIRA 18:1)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

CHALYY, V.P.; MAKAROVA, Z.Ya.; ZORYA, V.T.

Determination of the heat of wetting of metal hydroxides by water.
Koll.zhur. 26 no.2:263-266 Mr-Apr '64. (MIRA 17:4)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR, Kiyev.

CHALYY, V.P.; ZORYA, V.T.; MAKAROVA, Z.Ya.

Effect of the precipitation conditions on the water content
and the apparent volume of the precipitates of metal hydroxides.
Zhur. neorg. khim. 10 no.1:265-267 Ja '65. (MIRA 18:11)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

ZORYAN, Z.A.

Short-term forecasting of the atmospheric pressure field based on a two-level scheme with implicit derivatives, Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 17 no.2:105-113 '64.

(MIRA 17:9)

SOV/124-59-1-427

Translation from: Referativnyy zhurnal. Mekhanika, 1959, Nr 1, p 61 (USSR)

AUTHOR: Zoryan, Z.A.

TITLE: The Physical Modelling of Hydraulic Shock

PERIODICAL: V sb.: Mezhvuz. konferentsiya po primeneniyu fiz. modelirovaniya v elektrotekhn. zadachakh i matem. modelirovaniya. Moscow, 1957, pp 55-56

ABSTRACT: The theses of the lecture are given which contain: 1) the conditions of similarity of a shock established by I.V. Yegiazarov, 2) the recommendation for controlling the magnitude of the propagation speed of shock waves in the model by means of placing inside the air-duct an air-inflated rubber hose, 3) the formula for the determination of the velocity of the shock wave in said case. The latter differs from the results of the theoretical solution. (cfr. ref. 426).

N.A. Kartvelishvili

Card 1/1

ZORYAN, Z.A.

Physical modeling of hydraulic impacts. Nauch. dokl. vys. shkoly;
energ. no.1:231-234 '58. (MIRA 11:10)

1. Vodno-energeticheskiy institut AN Armyanskoy SSR.
(Hydraulic models)

ZORYAN, Z.A.

Local circulation over a mountain lake. Izv. AN Arm. SSR. Ser.
fiz.-mat. nauk 18 no.3:118-128 '65. (MKRA 18:8)

1. Institut vodnykh problem i gidrotekhniki Ministerstva vod-
nogo khozyaystva ArmSSR.

MKHITARYAN, A.M.; DAGESTANYAN, M.G.; ZORYAN, Z.A.; PETHOSYAN, N.A.

Experimental study of the transformation of air flow over a mountain lake. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 18 no. 4: 80-93 '65.

(MIRA 18:9)

1. Institut vodnykh problem i gidrotekhniki Ministerstva vodnogo khozyaystva Armyanskoy SSR.

ZORYAN, Z.A.

Study on the problem of adaptation at a mean level with a view to short-term forecasting of meteorological elements. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 18 no.6:42-49 '65.

(MIRA 19:1)

1. Institut vodnykh problem i gidromekhaniki Armyanskoy SSR.

ZORYN, V.

ZORYK, V.

The best way to establish one's authority. Bab. 1 sial. 33
no. 9:6-7 S '57. (MLEA 10:9)
(Timkovichi (Minsk Province)--Teachers)

MEHLI, S.; ZORZI, C. De

Determination of ethyl ether in the blood using gas chromatography.
Arch. hig. rada 15 no. 2:189-191 1967.

YUGOSLAVIA/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82559

Author : Zorzic Milorad, R.

Inst : -

Title : Application of Synthetic Growth Regulators for Raising Grape Planting Material.

Orig Pub : Poljopr. Vojvod., 1957, 5, No 1, 46-50

Abstract : Treatment of grape grafts of Starkamanta on Berlandiyeri and Ripariya with -naphthylacetic acid in concentration of 0.02% increased the root taking to 56.2%, with -indolylbutyric acid in the form of 1% powder - to 59% and in the form of 0.02% solution - to 53.8%. Treatment with the bromthymol blue solution in the concentration of 0.1% increased the root taking by 6.1% with the rooting of the control at 46.5% of the planted grafts. -- Ye.A. Parshina

Card 1/1

ZOSEL, Teofil

Impetigo herpetiformis helvae in pregnancy and puerperium.
Ginek. pol. 34 no.1:149-152 '63.

1. Z Kliniki Położnictwa i Chorob Kobietych AM w Szczecinie
Kierownik: prof. dr T. Zwolinski.
(PREGNANCY, COMPLICATIONS) (IMPETIGO)
(PUERPERAL DISORDERS)

ZOSEL, Teofil

Analysis of forceps deliveries conducted in 1949-1958 in the Obstetric
Clinic of the Pomeranian Academy of Medicine in Szczecin. Ginek. pol.
33 no.5:697-707 '62.

1. Z Kliniki Położnictwa i Chorob Kobięcych PAM w Szczecinie. Kierownik:
prof. dr med. T. Zwolinski.
(OBSTETRICAL FORCEPS) (DELIVERY)

ZOSHCHUK, N.

Production of heat-resistant air-entrained concrete has been
mastered. Stroitel' 9 no.10:8 0 '63. (MIRA 16:11)

ZOSHCHUK, N.I., inzh.; DENISENKO, A.P., inzh.

Refractory concrete in the construction of the Karaganda Metallurgical Plant. Prom. stroi. 42 no.3:24-25 '65. (MIRA 18:7)

ZOSHCHUK, O.N., nauchnyy sotrudnik

Succession of morphological changes in the tissues of the parodontium during the orthodontic transposition of the teeth using a constantly acting force; Report No.1. Trudy Nauch.-issl.inst.stom. no.10:170-182 '62.

(MIRA 15:10)

(PERIODONTIA) (ORTHODONTIA)

ZOSHCHUK, O.N.

Clinical aspects and treatment of upper canine teeth erupting -
through the palate. Stomatologiya 42 no.2:65-69 Mr-Apr'63
(MIRA 17:3)

1. Iz otdela ortodontii (zaveduyushchiy - starshiy nauchnyy
sotrudnik E. Ya. Vares) Odesskogo nauchno-issledovatel'skogo
instituta stomatologii (direktor - dotsent A.I.Marchenko).

VARES, E.Ya., starshiy nauchnyy sotrudnik; ZOSHCHUK, O.N., nauchnyy
sotrudnik

Change in the mucopolysaccharides in the tissues of the parodontium
during the early days of the orthodontic transposition of the teeth;
Report No.2. Trudy Nauch.-issl.inst.stom. no.10:183-186 '62.

(MIRA 15:10)

(ORTHODONTIA)

(POLYSACCHARIDES)

(PERIODONTIA)

ZOSHCHUK, O.N., nauchnyy sotrudnik
Frequency and the clinical variability in the anomalous positioning
of the canine teeth. Trudy Nauch.-issl.inst.stom. no.10:187-193
'62. (MIRA 15:10)
(TEETH--ABNORMITIES AND DEFORMITIES)

ZOSICH, L., red.; LUCHKIV, M., tekhnred.

[The Communist Youth League Mine built by Transcarpathian youth] Zakarpats'ka-Komsomol's'ka. Uzhhorod, Zakarpats'ke obl.vyd-vo, 1958. 69 p.

(MIRA 14:1)

(Donets Basin--Coal mines and mining)

NAD', Kalman, zvenevoy; ZOSICH, L., red.; LUCHKIV, M., tekhn. red.

[For over-all mechanization] Za kompleksnu mekhanizatsiu.
Uzhhorod, Zakarpats'ke oblasne knyzhkovo-gazetne vyd-vo,
'961. 16 p. (MIRA 14:11)

1. Mekhanizirovannoye zvено po virareshchivaniyu kukurytzy kolkhoza
"Chervoniy prapor," Beregovskogo rayona (for Nad').
(Farm mechanization)

KERECHANIN, V.M.; ZOSICH, L., red.; LUCHKIV, M., tekhn.red.

[We should carry out our seven-year plan in five years;
an economic conference on the "Za Nove Zhyttia" Collective
Farm in Irshava District] Semyrichku - za p'iat' rokiv;
ekonomichna konferentsiia v kolhospi "Za nove zhyttia,"
Irshava'koho raionu. Uzhhorod, Zakarpats'ka obl.vyd-vo.
1959. 42 p. (MIRA 13:1)
(Irshava District--Agriculture)

BURMA, Dmitriy Ivanovich; GORSHKOV, Aleksandr Nikolayevich; ZOSTCH,
L.F., red.; LUCHKIV, M.R., tekhn. red.

[Mukachevo; guidebook]Mukachevo; putevoditel'. Uzhgorod, Za-
karpatskoe obl. knizhno-gazetnoe izd-vo, 1962. 69 p.
(MIRA 15:11)

(Mukachevo--Guidebooks)

ZOSIN B.

Aeronautic snapshots. p. 32.
AEROFILM PATRIE, Bucuresti, Vol. 1, no. 3, Mar. 1955.

SO: Monthly List of East European Accessions, (SML), IC, Vol. 4, no. 10, Oct. 1955,
Encl.

ZORETC, K.

Some experiences in the selection of grapevine plants.

p. 48 (Poljoprivreda. Vol. 4, no. 6, June 1956. Beograd, Yugoslavia)

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

ROMANKO, Oksana Ivanovna, ptichnitsa; ZOSICH, L., red.; LUCHKIV, M.,
tekh. red.

[More poultry] Bil'she ptytsi. Uzhhorod, Zakarpats'ke oblasne
knyzhkovo-gazetne vyd-vo, 1961. 16 p. (MIRA 15:3)

1. Kolkhoz imeni Frunze, Uzhgorodskogo rayona (for Romanko).
(Ukraine--Poultry)

S/091/60/000/04/11/023

AUTHORS: Kashchenets, P.Ye., and Zozim, Ye.N., Engineers

TITLE: Application of Germanium Diodes in Quenching Circuit Diagrams

PERIODICAL: Energetik, 1960, No. 4, pp. 26 - 27

TEXT: Having stated that the selenium rectifiers and copper-oxide rectifiers, suggested by Engineer A.S. Legler (this periodical, 1959, No. 2) for quenching circuits, are inferior to germanium diodes, suggested by the authors for the solenoid control over air breakers at a power plant of the Belorussenergo, the authors describe their advantages and ways of adaptation. A diagram of their quenching circuit, including DG-Ta₂₄ germanium diodes, is shown in Figure 1. Its superiority to the rectifiers suggested by Legler are said to be: low direct and reverse resistances (respectively 2-3 ohm, 100-500 kohm); a greater ability to withstand transient current overloads; a greater reverse voltage in single element (50 v for DG-Ta-21, up to 400 v for DG-Ta-27); smaller overall dimension, and a greater durability in storage. This quenching diagram was developed in connection with the necessity to improve the operational reliability of the contacts in RP-23 relays within the solenoid circuits for the connection and disconnection of WVM-110 air breakers. Oscillogram (Figure 2) shows the current

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3/091/EO/000/G4/11/023

Application of Germanium Diodes in Quenching Circuit Diagram

variation in the diodes, the excess voltage, and solenoid currents depending on an additional resistance. The maximum quenching effect corresponds to a case where such resistance (R_{add}) is equal to zero. Diagrams of this type can be used in inductive load diagrams, for improving the reliability in the functioning of contacts, and for cutting down the excess voltage values. There are 1 diagram, 1 set of oscillograms and 1 Soviet reference.



Card 2/2

KASHCHENETS, P.Ye., inzh.; ZOSIM, Ye.H., inzh.

Using germanium diodes in quenching circuits. Energetik 8 no.4:26-
27 Ap '60. (MIRA 13:8)
(Germanium diodes) (Electric circuit breakers)

ZOSIM, Z.L., kand.khim.nauk; BUNIN, G.Ya., inzh.; KOVAL'CHUK, I.M.,
inzh.

Synthetic latexes in the manufacture of chalk overlay paper.
Bum.prom. 35 no.3:18-20 Mr '60. (MIRA 13:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy
i bumazhnoy promyshlennosti.
(Rubber, Synthetic) (Paper)

ZOSIM, Z.L., kand.khim.nauk; SMIKUN, T.Ya.

Mastering the production of paper coated with polyethylene on a flat-slotted extruder. Bum. i der. prom. no.3:16-20 JI-S '63. (MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut bumazhnoy promyshlennosti.

BEL'KHER, V.A. [Belcher, V.A.]; BINGEM, R.T. [Bingham, R.T.]; BRUKS, A.M. [Brooks, A.M.]; KHEYVUD, Dzh. [Haywood, J.]; LAYONS, S.Ch. [Lyons, S.C.]; SUTERMEYSTER, E. [Sutermester, E.]; UILLETS, U.R. [Willets, William R.]; SAF'YAN, A.Yu., inzh. [translator]; ZOSIM, Z.I., kand. khim.nauk, red.; POTBYEV, S.P., red.; BEL'CHENKO, N.I., red. izd-va; PROKOP'YEVA, L.N., tekhn.red.

[White pigments for paper coating] Pigmenty dlia melovania bumagi.
Moskva, Goslesbunizdat, 1959. 107 p. (MIRA 13:4)
(Paper) (Pigments)

ZOSIM, Z.I. kand.khim.nauk

Effect of the thermal destruction of woodpulp on the removal of
mineral impurities from it. Bum.prom. 34 no.7:9 J1 '59.
(MIRA 12:10)

(Woodpulp)

Zosim, Z.I.
VOLKOVA, T.P.; ZOSIM, Z.L.

New type of paper for multicolor printing. Dum.prom. 32 no.9:16-19
S '57. (MIRA 10:12)

1. Ukrainskiy nauchno-issledovatel'sky institut bumagi.
(Paper) (Color printing)

ZOSIM, Z. L.

Zosim, Z. L. -- "Investigation in the field of Viscometry of Caprammonium
Solutions of Cotton Fiber Cellulose." Cand Chem Sci, Belorussian State
U Minsk 1953. (REFERATIVNIYI ZHURNAL --KHIMIYA) No 1, Jan 54)

Source: SUM 168, July 54

ZOSIM, Z. L.; YERMOLENKO, I. N.; GAVRILOV, M. Z.

Spectroscopic methods of investigating the thermal degradation
of woodpulp materials. Ukr. khim. zhur. 28 no.6:729-731 '62.
(MIRA 15:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyuloznoy i
bumazhnoy promyshlennosti i Institut obshchey i neorganicheskoy
khimii AN BSSR.

(Paper--Spectra)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065430005-6

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065430005-6"

ZOSIM, Z. L., kand. kham. nauk; SMIRNOV, T. Ya.

Working out the technology of the manufacture of wrapping paper
coated with polyethylene. Bum. 1. Ser. prom. no. 2, 1962. Ap. 16. 164.
(MIRA 17:9)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065430005-6

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065430005-6"

DMITRIYEV, A.V., inzh.; ZOSIMOV, A.S., tekhn.; OSIFOV, W.F., inzh.

Complete mechanization of the unloading of fuel from railroad
freight cars. Elek.sta. 30 no.2:24-25 F '59. (MERA 12:3)
(Fuel) (Loading and unloading)

PEREYEDCHIKOV, Vasilii Mikhailovich; ZOSIMOV, Dmitriy Mikhailovich.
glavnyy zootekhnik; GLIMAN, N., red.; ISUPOVA, N., tsKhM. red.

[Our experience in the loose housing of cows] Nash opyt besprivyazanogo
soderzhaniiia korov. Simferopol', Krymizdat, 1960. 21 p.
(MIRA 14:12)

1. Direktor sovkhoza im. Timiryazeva, Krasnogvardeyskogo rayona (for
Pereydzchikov).
(Dairy barns)

ZOSIKOV, I.V.

An important index of efficient freight haulage. Zhel.dor.transp.
37 no.11:52-55 H '55. (MLBA 9:2)

1.Nachal'nik otдела khosrascheta Finansovogo upravleniya Minister-
stva putey soobshcheniya.
(Railroads--Freight)

KOSAREV, O., shturman; GVIL'DIS, B., bortmekhanik (Irkutsk); KORNEV;
LOZOVSKIY; KUZ'MIN, starshiy inzhener-ekonomist; MESHLOV, Yu.,
aviatekhnik; FROLENKO, N. (Novosibirsk); KHALIULLIN, R.
(Verkhniye Kigi, Bashkirskoy ASSR); ZOSIMOV, V. (g. Klintsey,
Bryanskoy oblasti)

Public inspection is in action. Grazhd. av. 20 no. 6:28
Je '63. (MIRA 16:8)

1. Obshchestvennyy inspektor po bezopasnosti poletov,
Novosibirsk (for Kosarev).
(Aeronautics, Commercial)

ZOSIMOV, V. A.

Drying and sorting seeds by machinery Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953.
93 p. (54-42228)

SBI39.26

ZOSIMOV, V.A.

Mekhanizatsiia sushki i sortirovaniia
semian (Drying and sorting seeds by machinery). Moskva,
Sel'khozgiz, 1953. 96 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

ZOSIMOV, V.V.

47-58-3-7/27

AUTHOR: Zosimov, V.V. (Novgorod)

TITLE: On the Contents of Physics Textbooks in Connection With Questions of Polytechnical Instruction (O sodержanii kursa fiziki v svyazi s voprosami politekhnicheskogo obucheniya)

PERIODICAL: Fizika v Shkole, 1958, Nr 3, pp 38-40 (USSR)

ABSTRACT: The knowledge of physics is the core of polytechnical education, and therefore textbooks on physics should be the main element of polytechnical training. A textbook of general physics should contain: 1) the basic principles of physics necessary to form the foundation of dialectical materialism and to attain the understanding of the present phase of development and application of physics; 2) the experimental technique of modern physics; 3) those elements which simultaneously appear in experimental physics and allow the students to understand the principles of physics and the correlation between physical progress and technique, such as: the principles of power engineering; heat and electric engines, generators; the methods of obtaining low temperatures; the basic devices and instruments of the measuring technique;

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On the Contents of Physics Textbooks in Connection With Questions of Polytechnical Instruction

photography; the principles of radio engineering; electronics; the principles of automation, of automatic control and telemechanics; and the elements of the nuclear technique. Every textbook on physics should be strictly divided into 2 parts: 1) General Physics and 2) Applied Physics. Present textbooks on physics do not appreciate the importance of practical experiments and they are lagging behind the present development phase of experimental physics, engineering and productional practices.

ASSOCIATION: Pedagogicheskiy institut (The Pedagogical Institute)

AVAILABLE: Library of Congress

Card 2/2

1. Physics-Study and teaching 2. Textbooks-Physics-USSR

ZOSIMOV, V. V.

ZOSIMOV, V. V. -- "The Development of Atomic Theory From Democritus to Lomonosov."
Cand Phys-Math Sci, Moscow State U, Moscow 1953. (Referativnyi Zhurnal--Fizika,
Jan 54)

SO: SUM: 198, 22 July 1954

GUMENYUK, Nikolay Denisovich; ZOSIMOV, Ye.A., retsenzent; ORLOV, V.M.,
inzh., retsenzent; TSARENKO, A.P., inzh., red.; KHITROVA, N.A.,
tekhn. red.

[Work organization in ticket offices] Organizatsiia raboty bilet-
nykh kass. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va
putei soobshchenia, 1961. 67 p. (MIRA 14:10)

1. Zaveduyushchiy Byuro zakazov na vokzale stantsii Moskva-Pass.-
Kurskaya (for Gumenyuk).
(Railroads---Tickets)

PERESLENI, Ye.M.; SHEYNKER, Yu.N.; ZOSIMOVA, N.P.; POMERANTSEV, Yu.I.

Tautomerism of some derivatives of heterocyclic compounds. Part 5.
Zhur. fiz. khim. 37 no.12:2713-2720 D '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze.

SOV/76-33-9-33/37

5(4)
AUTHORS:

Sheynker, Yu. N., Peresleni, Ye. M., Zosimova, N. P.,
Pomerantsev, Yu. I.

TITLE:

On the Tautomerism of Some Derivatives of Heterocyclic Compounds.
X. The Tautomerism of Acylated Heterocyclic Amines

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 53, Nr 9,
pp 2096 - 2109 (USSR)

ABSTRACT:

The simplest method of changing the amino-form (I) into the imino-form (II) of heterocyclic amines is based on the substitution of an electronegative group (an acid residue, for example) for the hydrogen atom of the amino group. Supposing that the introduction of such acidifying groups of various electronegativity will produce also a proportional variation in the equilibrium between (I) and (II) of the resultant compounds, the acylated amines of the following heterocycles were investigated: pyridine, thiazole, thindiazole, quinoline, pyrimidine, benzothiazole, and acridine. The residues of the following acids were introduced: acetic, benzoic, monochloroacetic, dichloroacetic, trichloroacetic, trifluoroacetic, methane sulphonic, sulphanilic, benzoyl sulpho, and nitric acid.

Card 1/3

On the Tautomerism of Some Derivatives of Heterocyclic
Compounds. X. The Tautomerism of Acylated Heterocyclic Amines

SOV/76-33-9-33/37

The authors determined the structure of the resultant compounds as well as their tautomeric form in solutions (water, ethanol, dioxane, n-heptane) from the infrared absorption spectra (spectrometer of the IKS-11 type) in crystalline state and from the ultraviolet absorption spectra (spectrophotometer of the SF-4 type) in solution. The spectra of the amides obtained were compared with their methyl derivatives (with fixed amino- or imino structure), and the characteristic bands in the infrared spectrum of the pure substance were then examined. The compounds under investigation and their melting points are listed. The infrared spectra (Figs 1-3, 7) indicate that all compounds with substituents of strongly acidifying properties exhibit (II) as may be found even better in the ultraviolet spectra (Figs 4-6). The amount of (II) increases with the solvent polarity and depends on the nature of the heterocycle. Acyl amines may assume (I), (II), or may be composed of both. The equilibrium content of (I) and (II) was determined from the ultraviolet spectra, and herefrom the authors calculated the constant of the tautomeric equilibrium (Table 1). The presence of a linear dependence between the tautomeric equilibria

Card 2/3

On the Tautomerism of Some Derivatives of Heterocyclic
Compounds. X. The Tautomerism of Acylated Heterocyclic Amines. 307/76-33-9-33/37

of two different solvents (as has already been shown by
M. I. Kabachnik (Ref 6) confirms that the tautomeric systems
under discussion obey the Broensted-Izmaylov rule, i.e. the
laws of equilibrium between acid and base. There are 8 figures,
1 table, and 9 references, 8 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevtiches-
kiy institut im. S. Ordzhonikidze (All-Union Scientific Che-
mico-pharmaceutical Research Institute imeni S. Ordzhonikidze)

SUBMITTED: November 21, 1958

Card 3/3

PERESLENI, Ye.M.; SHEYNKER, Yu. N.; ZOSIMOVA, N.P.; POMERANTSEV, Yu.I.
(Moskva)

Tautomerism of some derivatives of heterocyclic compounds.
Report 17. Zhur. fiz. khim. 39 no. 1:92-99 Jan '65
(MIRA 1961)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut. Submitted February 27, 1964.

PERESLENI, Ye.M.; SHEYNKER, Yu.N.; ZOSIMOVA, N.P.

Tautomerism of some derivatives of heterocyclic compounds.
Part 17. Zhur. fiz. khim. 39 no.4:926-931 Ap '65.

(MIRA 19:1)
1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevti-
cheskiy institut. Submitted Nov. 30, 1963.

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Autoradiographic determination of the time of lymphocyteleisis in mice. TSitologiya 6 no.1:98-101 Ja-F '64. (MIRA 17:9)

1. Laboratoriya eksperimental'noy tsitologii i tsitokhimi Instituta radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moskva.

ZOSIMOVICH, D.I.
BARMASHENKO, I.B.; ZOSIMOVICH, D.I.

Nikolai Nikolaevich Voronin; obituary. Ukr. khim. zhur. 22 no.5:697-
699 '56. (MIRA 10:6)

(Voronin, Nikolai Nikolaevich, 1892-1956)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

117 AND 120 (REV. 1-1-57)

PROCESSES AND PROPERTIES INDEX

CR

The electrolytic formation of alloys. V. A. Plekhov and D. P. Zolotarev. *Moscow, Inst. Chem. Ak. Nauk SSSR, Ser. F, 1971* (Russ. German 192 0110844); *J. Gen. Chem. (U. S. S. R.)* 5, 327-33 (1971). When Zn is electrolytically deposited from ZnSO₄ soln. on copper at 18°, the formation of brass as shown by change of the e. m. f. of the cell is very slow. At 20-100° alloy formation is rapid. The cell Zn|solution ZnCl₂|Cu at 300° gives very rapid β -brass formation. The depth of penetration of the Zn atoms into the Cu plate is up to 0.02 mm. For the ZnCl₂ melt the data agree with those of Sizemahl (C. A. 16, 2069), but in solns. the e. m. f. values obtained by P. and Z. are somewhat lower. The direct electrodeposition of brass on a Pt cathode from a mixed CuSO₄-ZnSO₄ soln. with a Zn anode is possible only at very low e. m. f. and low CuSO₄ concns. and even then gives only irregular yellow deposits. An attempt similarly to deposit a Cd-Pb-Bi alloy from a nitrate soln. gave only a Pb-Bi alloy. F. H. Rathmann

121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

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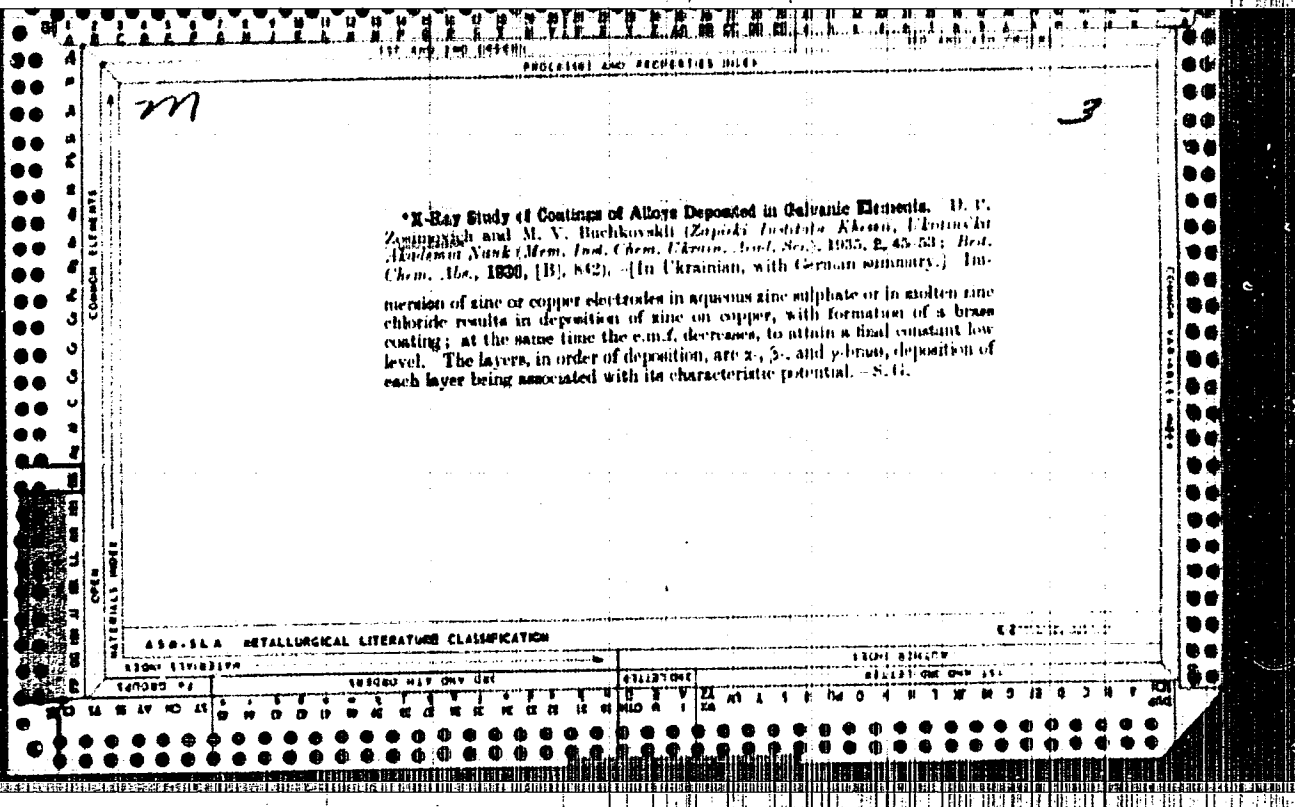
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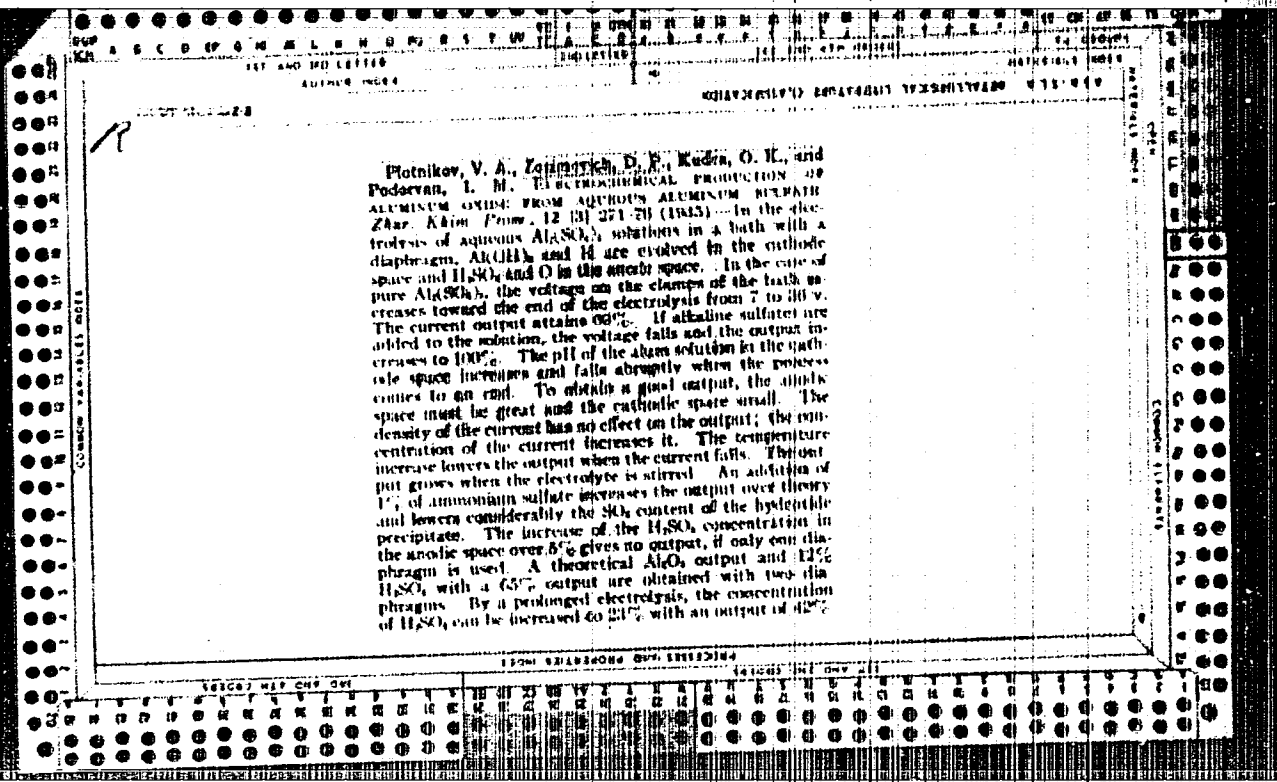
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PROCESSING AND REPRODUCTION NOTES

3

*X-Ray Study of Surface Aluminum-Copper Alloys Formed in a Binary Cell. D. P. Zosimovich, M. V. Buchkovskii, and O. M. Ruteniren (Bajuzki Institutu Khrskit' "Fizika in Akademii Nauk (Mem. Inst. Chem. Ukrain. Acad. Sci.), 1936, 2, 237-247; *Brit. Chem. Ab.*, 1937, [A1], 31).--In Ukrainian.] The amount of aluminum which combines with copper in the action of the fused electrolyte cell Al(AK)₂-NaCl/Cu increases with the temperature from 200° to 350° C. α-Cu-Al is formed at 200°-300° C., and transition to the γ alloy takes place at 300°-350° C. β-Cu-Al was not formed. --S. G.

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

E-27-211.1.2.272

LITHO DIVISION

LITHO DIVISION

ca

4

Formation of aluminum-copper and zinc-iron alloys in primary batteries. V. A. Pionatkov and D. P. Zharovskii. *Kov. Inst. Chem. Uzb. Acad. Sci. B*, 8(8): 17 (1966).—The e. m. f. of the cell $Al|AlCl_3-NaCl|Cu$, at 200–400°, falls with time, as a result of formation of a layer of Al-Cu alloy at the cathode. Substitution of a Pb or Cd for the Cu electrode results in a similar fall in e. m. f., but the initial value is almost immediately established on breaking the circuit; this points to the formation of unstable Al-Pb or -Cd alloys. Very little diminution in e. m. f. is shown by the cell $Zn|ZnSO_4|Fe$ (11–110°), but Fe electrodes thus treated exhibit augmented resistance to corrosion. The layer of mass formed in the cell $Cu|ZnCl_2|Zn$ is more resistant to corrosion than the original Cu surface. B. C. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM: 1708814

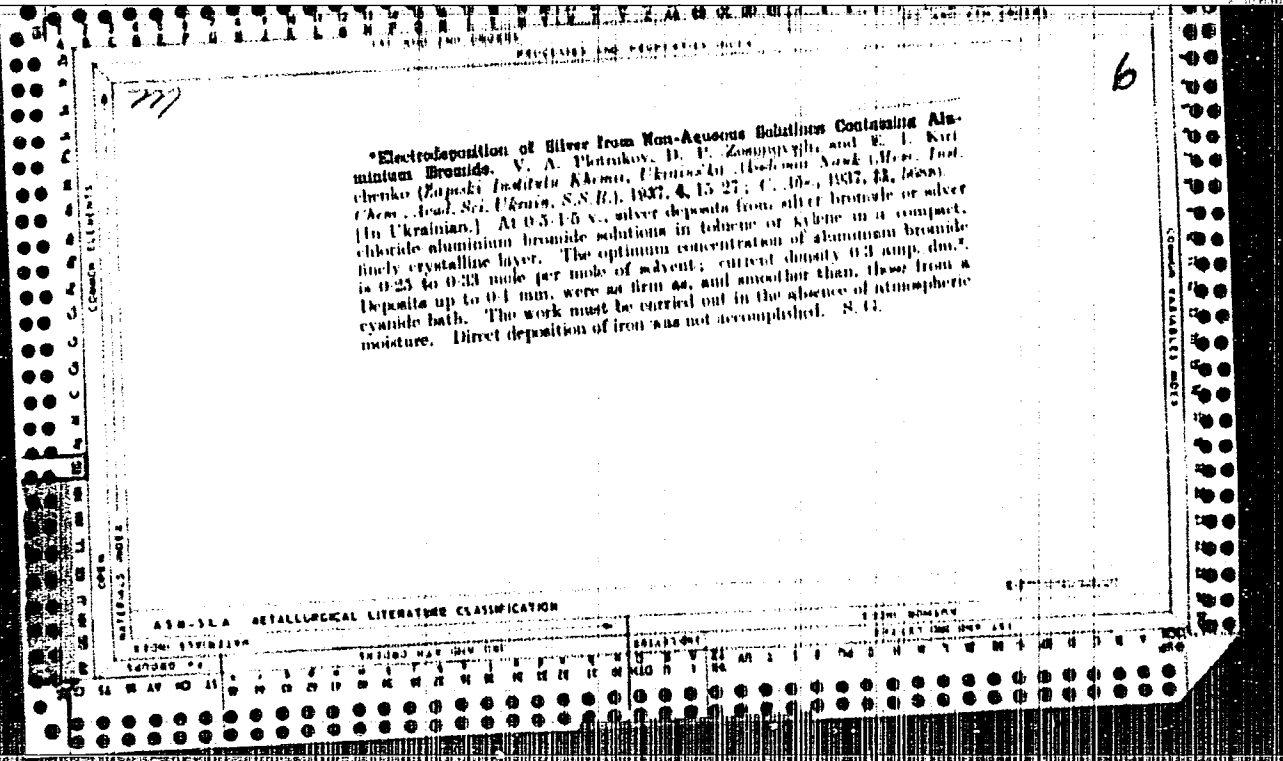
SUPPLEMENT

SECTION: 417 ONY LINE

REVISIONS

SECTION: 80414

MAILED IN: 100 211



1ST AND 2ND SECTIONS
ABSTRACTS AND PROPERTIES INDEX

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6

***Change in Potential of a Copper Electrode in a Cell, Due to Alloy Formation.**
 V. A. Motnikov and D. P. Zaitsevich (*Zapiski Instytutu Khimii, Ukrainiska Akademiia Nauk (Mem. Inst. CHEM. Ukrain. Acad. Sci.)*, 1937, 4, (2), 125-135).—[In Ukrainian, with Russian summary, p. 134, and German summary, p. 135.] The potential changes of each electrode were determined in the cells:

Zn|ZnSO₄|Cu, and Ni|NiSO₄|Cu. Measurements were carried out by the Pogendorf compensation method. The zinc and nickel potentials did not change. The zinc potential remained at -- 0.700 v. during the experiment, but the copper potential changed from + 0.22 v. to -- 0.700 v., and approached that of the zinc potential. This was due to the formation of an alloy between copper and zinc.—S. G.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

RECORD #4

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PROCEEDINGS AND PROPERTIES INDEX

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*Chromium Plating with Baths Containing Fluorides. D. P. Zimnitskii and E. I. Kirichenko (*Zapiski Instituta Khimii, Ussr. Akad. Nauk (Mem. Inst. Chem. Acad. Sci. Ussr.)*, 1937, 4 (3), 277-292; *C. Abstr.*, 1938, 32, 3309).... [In Russian, with German summary, pp. 291-292.] The baths contained 250 and 350 gm. chromic acid per litre. Additions were made in the form of ammonium, sodium, or potassium fluorides, in amounts of 0.2-1.8 gm./litre. Current densities were 2, 4, 6, and 10 amp./dm.², and the voltages were 2.8-3.0, 3.0-3.1, 3.1-3.3, and 3.3-3.6 v., respectively. The temperature was 20° and 25° C. Addition of ammonium, sodium, and potassium fluorides had the same effect. A change in chromic acid from 250 to 350 gm./litre did not affect the quality of the deposits. At current densities of 2-4 amp./dm.² and a concentration of 0.8-1.6 gm. hydrogen fluoride per litre, and at 6 amp./dm.² and 1.4-1.6 gm. hydrogen fluoride per litre, good plating was obtained. Addition of 0.5, 1.0, and 2.0% sulphuric acid limited the production of good deposits to a hydrogen fluoride concentration of 1.3 gm./litre, and a current density of 4 amp./dm.² only. Chromium plating of copper, nickel, and brass proceeded well at 1.0-1.4 gm. of hydrogen fluoride per litre, and a current density of 2-4 amp./dm.². The deposits resisted moist air and 1% sodium chloride much better than those from a chromic acid-sulphuric acid bath.

-8. (1)

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
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PROCEDURES AND PROPERTIES INDEX

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*Galvanic Cells with Formation of Alloys. V. A. Plechikov and D. P. Zaimovich (*Dokl. Akad. Nauk S.S.S.R. (Compt. rend. Acad. Sci. U.R.S.S.)*, 1938, **20**, (1), 31-34 (in Russian); and *Compt. rend. (Doklady) Acad. Sci. U.R.S.S.*, 1938, [N.S.], **20**, (1), 31-34 (in English)). *Ch. Met. Abn.*, 1938, **8**, 299. The e.m.f. of the cells Zn|ZnSO₄ (saturated solution)|Cu at 18° and 70° C.; Zn|fused ZnCl₂|Cu at 390 ± 5° C., and Al|fused AlCl₃|Na₂FeCl₄ at various temperatures was measured. The e.m.f. changes as deposition occurs, the potential of the nobler electrode approaching that of the less noble, which remains constant. X-ray and microscopic observations show that in all cases an alloy is formed on the more noble met., which accounts for the reduction in e.m.f. of the cell.—N. A.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

REGIONAL CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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ANVEL'T, M.Yu.
ANVEL'T, M.Yu., kand.tekhn.nauk; ZOSIMOV, V.V.

A bad book ("Manual for practical work in electric engineering"
by A.F. Memruk and L.S. Shliapintokh. Reviewed by M. IU. Anvel't,
V.V. Zosimov). Politekh. obuch. no.2:84-86 F '58. (MIRA 11:1)

1.Zaveduyushchiy kafedroy fiziki Novgorodskogo pedinstituta.
(Electric engineering--Study and teaching)
(Memruk, A.F.) (Shliapintokh, L.S.)

ZOSIMOVICH, D. I.

USSR/General Questions

A

Abs Jour: Ref Zhur-Khimiya No. 7, 1957, 21842

Author : Barmashenko, I. B., Zosimovich, D. I.

Inst : None

Title : Nikolay Nikolayevich Voronin

Orig Pub: Ukr. Khim. Zh. 1956, 22, No. 5, 697-700

Abstract: A macrologue of N. N. Voronin (1892-1956), chairman of department of technology of chemical manufacturing of the Kiev Polytechnic Institute. Bibliography of his works is included.

Card 1/1

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CIA-RDP86-00513R002065430005-6

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CIA-RDP86-00513R002065430005-6"

ZOSIMOVICH, D.P.

42075. ZOSIMOVICH, D.P.-Vtoraya Vsesoyuznaya konferentsiya po teoreticheskoy i prikladnoy elektrokhemii. (Kiyev. Iyun' 1948 g.) Uspekhi khimii, 1948, v.p. 6, s. 744-50

So: Setopis' Zhurnalnykh Statey, Vol 47, 1948

CA

7

Polarographic determination of zinc in cadmium, based on the selective solution of the alloys. D. P. Zolotarev, V. A. Tsimmergukh, and R. S. Khutirovich. *Zhurnal Anal. Khim.* 14, 140-53 (1948). -- To 1 g. of the Cd alloy add 0.5 ml. of pure Hg, 5 ml. 10 N KOH, and about 0.1 g. HgCl₂. Heat on a water bath to dissolve the alloy, stir, and continue heating for about 1 hr. Filter, wash, add 0.5 g. NH₄Cl, and dil. with water to 50 ml. The soln. contains all the Zn and very little Cd and, after removal of H₂ by creating a vacuum up to the boiling of the liquid, it is suitable for polarographic detns. This method was better than the use of H₂ or Na₂SO₃ to prevent the action of O₂ on polarograms. From a 5-g. sample the Zn can be detd. in amts. up to 0.1 mg. in 1.5-2 hrs. H. Z. Kamich

ASB 104 METALLURGICAL LITERATURE CLASSIFICATION

TSINMARGAL, V. A., ZOSIMOVICH, D. P.

Sodium Hydroxide

Potentials of decomposition of metallic oxides in fused sodium hydroxide. Ukr. khim. zhur. 15, No. 3, 1949.

Monthly List of Russian Accessions, Library of Congress, September 1952, UNCLASSIFIED.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065430005-6

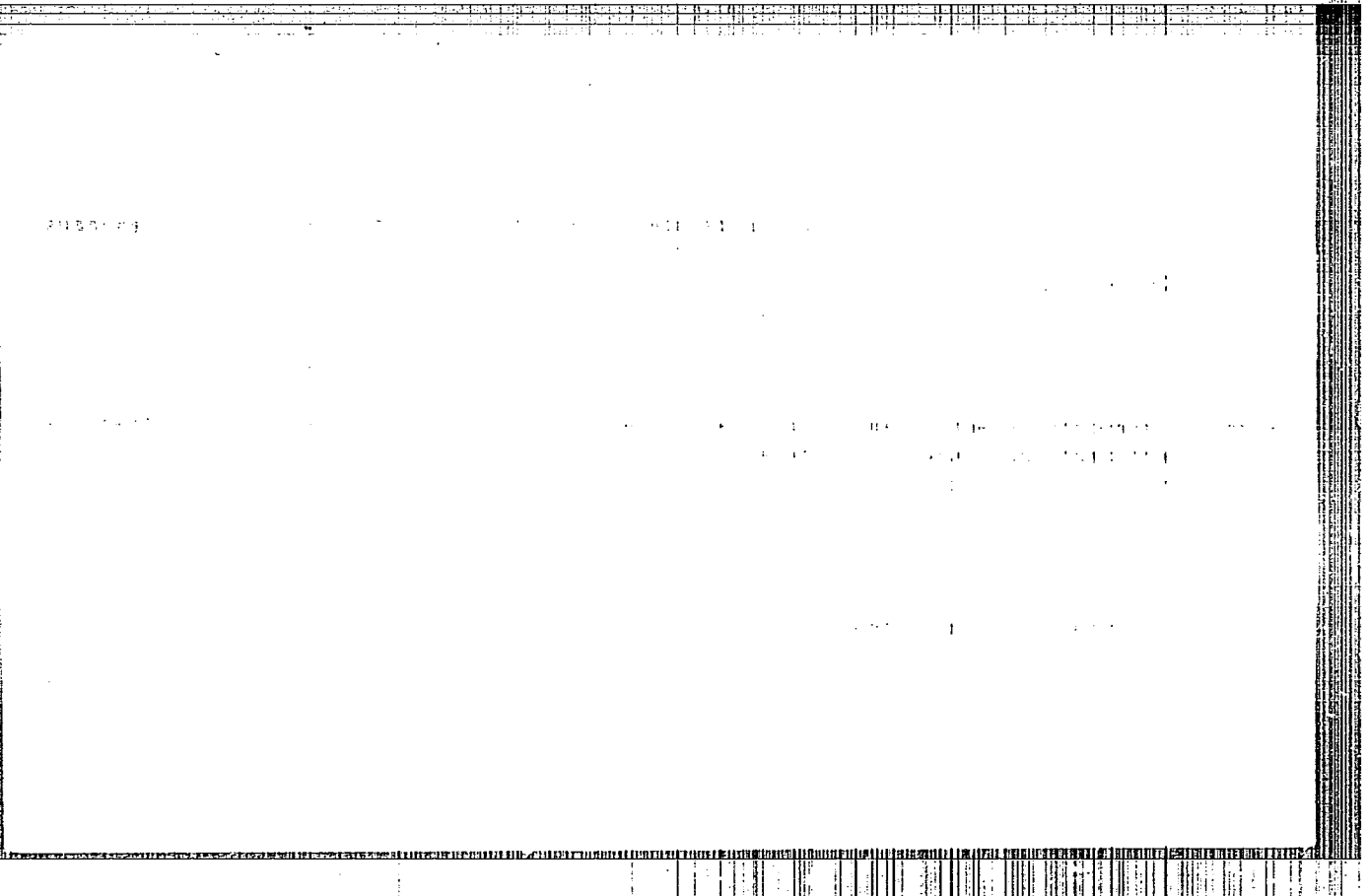
APPROVED FOR RELEASE: 03/15/2001

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CA

Investigation of potentials of alloys formed in galvanic cells as a method of physicochemical analysis. D. L. Zosimovich (Acad. Sci. Ukr. S.S.R., Kiev). *Izv. Sibirsk. Fiz.-Khim. Anal. Inst. Obshch. Neorg. Khim. Akad. Nauk S.S.S.R.* 19, 241-8 (1949).—Closing the circuit between 2 metal electrodes immersed in a soln. of a salt of the more electroneg. of the metals causes the electropos. metal to soln. to plate out on the electropos. one and alloy with it. As the alloy forms, it goes through all the phases of which the particular binary system is capable and the formation of the phases is reflected in the e.m.f. of the electrodes studied. In a specially designed cell were studied Zn-Ag, Cu-Au, Ni-Cu, and Zn-Cd. The results were

plotted as current vs. e.m.f. On the abscissa (current) were laid off the contents of the alloy. The breaks in the curves corresponded well with the formation of phases. This method also enables one to det. certain crit. points which are hard to det. otherwise. The method is therefore considered as a suitable procedure in physicochem. analysis.
M. Hinch



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APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065430005-6"

Zosimovich, I. P.

137-58-5-9357

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 79 (USSR)

AUTHOR: Zosimovich, D. P.

TITLE: The Bonding of Zinc to Aluminum During Electrolytic Deposition of Zinc (Stsepleniye tsinka s alyuminiyem pri elektroliticheskom vydelenii tsinka)

PERIODICAL: Tr. soveshchaniya po metallurgii tsinka, 1954. Moscow, Metallurgizdat, 1956, pp 195-199

ABSTRACT: Reasons for difficulties encountered in stripping Zn from Al cathodes employed in electrolytic production of Zn are explained. It was found experimentally that the Zn-Al bonding is attributable to the F ions only. If this condition is to be avoided, the solutions must not contain any F ions, or the Al must be covered with an oxide film of such thickness that it does not dissolve entirely in the presence of F. It is established that the bonding between Zn and Al can be avoided by introducing Fe or boric acid into the solution; either of these agents will tie up the F into a very stable complex.

N. P.

1. Zinc--Electrodeposition 2. Zinc--Production 3. Metals--Bonding
4. Aluminum electrodes--Properties 5. Electrolysis--Applications

Card 1/1

ZOSIMOVICH, D.P.

USSR/ Physical Chemistry - Electrochemistry

B-12

Abs Jour : Referat Zhur - Electrochemistry No 4, 1957, 11348

Author : Zosimovich D.P., Nechayeva N.Ye.

Inst : Academy of Sciences USSR

Title : Separation of Zinc and Hydrogen from Acid Electrolytes at Nickel and Cobalt Cathodes

Orig Pub : Dokl. AN SSSR, 1956, 109, No 3, 569-572

Abstract : Study of concurrent separation of H_2 and Zn from solutions of 1.85 N $ZnSO_4 + H_2SO_4$ (0.1 - 2 N) at Ni and Co cathodes. It is shown that (i, E) curves are of complex nature with break and maximum of the curves corresponding to changes in process taking place at cathode. With Ni-cathode the maximum is at 0.67 v for all concentrations of H_2SO_4 . The basic factor determining the cathodic process on change in E is the gradual alteration of the condition of cathode surface due to deposition of Zn. Properties of resulting surface alloys and magnitude of H_2 overvoltage at them determine magnitude of maximum on (i, E) curves.

1/1

584

AUTHORS: Zosimovich, D.P. and Kladnitskaya, K.B.

TITLE: CoPrecipitation of Nickel with Aluminium Hydroxide in Cadmium-Sulphate Solutions. I. Study of Conditions for CoPrecipitation. (Soosazhdenie Nikelya s Gidrookis'yu Alyuminiya v Rastvorakh Sernokislovo Kadmiya).

PERIODICAL: "Zhurnal Neorganicheskoy Khimii" (Journal of Inorganic Chemistry) Vol.II, No.2, pp.452-455. (U.S.S.R.).-1957

ABSTRACT: Experiments have been carried out to explore the possibility of separating nickel from cadmium-sulphate solutions containing NiSO_4 as impurity. Precipitation was carried out at 80°C , the precipitate was filtered off after standing at the same temperature for 1 hour and the concentration of unprecipitated nickel in the filtrate was determined photocolometrically. The filtrate had a pH value of 6.25. Precipitation was carried out by adding the calculated quantity of aluminium sulphate and cadmium hydroxide (as a suspension).

It was found that nickel could easily be separated by coprecipitation with aluminium hydroxide from cadmium-sulphate solutions containing 100 grams per litre cadmium and 50, 250 and 500 mg. per litre nickel. The amount of nickel coprecipitated depends on its concentration in the CdSO_4 solution and also on the quantity of aluminium sulphate and cadmium hydroxide introduced into this solution. The most complete removal of nickel

Card 1/2

584
CoPrecipitation of Nickel with Aluminium Hydroxide in Cadmium-
Sulphate Solutions. I. Study of Conditions for CoPrecipitation.
(Cont.)

(98.4%) is obtained under the following conditions: nickel con-
centration 500 mg. per litre, nickel: Al ratio equals 1 : 4,
1.5-fold quantity of $\text{Cd}(\text{OH})_2$, duration of precipitation 30 mins.
and temperature of solution 28°C .

There are three references, two of them Russian.

There are eight tables.

The work was carried out at the Institute of General and
Inorganic Chemistry of the Academy of Sciences of the Ukrainian
SSR.

Received 23 July, 1956.

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