ZORIN O. D. and KHLEBNIKOV, A. Ye.

Tipy kineticheskogo obezuglerozhivaniya i gazosoderzhaniye v metalle.

report submitted for the 5th Physical Chemical Conference on Steel Production Moscow, 30 Jun 1959.

ZORIN, O.D.

Device for a simultaneous withdrawal of specimens of gas and metal
from the steel smelting furnace. Zav.lab. 25 no.3:375-376 '59.
(MIRA 12:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.
(Metallurgical laboratories--Equipment and supplies)

AUTHOR: Zorin, O. D.   SOV/163-58-2-11/46

TITLE: The Effect of the Technological Parameters of the Melt on the
             Oxygen Content in Metals (Vliyaniye tekhnologicheskikh parametrov
             plavki na soderzhaniye kisloroda v metalle)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 2,
             pp. 72-76 (USSR)

ABSTRACT: The author carried out experiments to determine the dependence
             of the oxygen content in the metals on the technological para-
             meters. The oxygen content of the metals is in general dependent
             on the carbon content, however, also the operation conditions
             of the melting process influence it. The dependence of the
             oxygen content in the metals on the temperature was discussed.
             Within the melting period an increase of the oxygen content is
             found with an increase in temperature. Within the period of
             boiling the oxygen concentration in the metals is stabilized at
             1590-1640°C. At higher temperatures the oxygen content in the
             metals decreases. The effect of the concentration of the iron
             oxides in the iron slag also effects the oxygen content of the
             metals. The dependence between the oxygen content of the metals
Card 1/2   and the iron oxide content in the slag was found. The effect of

The Effect of the Technological Parameters of the Melt on the Oxygen Content in Metals

SOV/163-58-2-11/46

an increased blowing of oxygen into the metallic melt leads to an increase of the oxygen content.
There are 3 figures and 11 references, 7 of which are Soviet.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

SUBMITTED: November 13, 1957

Card 2/2

ZORIN, O.D.

Using methods of mathematical statistics for research and automatic control of the process of decarburizing an open-hearth furnace bath. Met. i gornorud. prom. no.3:20-24 My-Je '64.

(MIRA 17:10)

ZORIN, P. (Novosibirsk)

More on stimuli and quality. Sov. torg. 36 no.3:36-37 Mr '63.
(MIRA 16:3)

(Novosibirsk—Commercial products—Quality control)

ZORIN, P.

How efficient are the orders? Sov.torg. 35 no.4:30-31 Ap '62.

(MIRA 15:4)

1. Rukovoditel' promtovarnoy gruppy obshchestvennogo otdela
torgovli, Novosibirsk.
        (Novosibirsk--Clothing industry)

ZORIN, P. (Yaroslavl')

Some problems in fire prevention in industrial enterprises.
Pozh.delo 5 no.12:13-14 D '59.   (MIRA 13:4)
(Yaroslavl—Chemical plants—Fires and fire prevention)

ZORIN, P.

What if the matter had been treated in a way other than formal?
Pozh.delo 9 no.5:7-8 My '63.   (MIRA 16:5)

1. Nachal'nik Upravleniya pozharnoy okhrany Yaroslavskoy oblasti.
        (Yaroslavl Province--Fires and fire prevention)

ZORIN, Petr Alekseyevich, inzh.; KRYLOV, Nikolay Vital'yevich, inzh.-
        arkhitektor; MARTYNOV, Pavel Timofeyevich, inzh.; RAZINKOV, P.,
        red.; LIL'YE, A., tekhn.red.

[Handbook for rural builders; building materials, details, and
construction elements] V pomoshch' sel'skomu stroiteliu; stroi-
tel'nye materialy, detali i konstruktsii. Moskva, Mosk.rabochii,
1959. 438 p.   (MIRA 13:5)
                        (Building)

ZORIN, P.A.; MARTYNOV, P.T.; SOBOLEV, M.A., nauchnyy redaktor; GRINBERG,
S.M., redaktor; GLADKIKH, N.N., tekhnicheskiy redaktor.

[Local unfired building materials] Mestnye bezobzhigonye stroi-
tel'nye materialy. Moskva, Gos.izd-vo lit-ry po stroit.materialam,
1956. 122 p.   (MLRA 10:6)
            (Building materials)

GLAGOLEV, Aleksey Fedorovich, inzh.; ZORIN, P.A., inzh., nauchnyy red.;
    GORDEYEV, P.A., red.izd-va; MEDVEDEV, L.Ya., tekhn.red.

[Simplest methods of building on collective farms; a handbook for
leaders of collective farm construction crews] Stroitel'stvo v
kolkhozakh prosteishimi sposobami; posobie dlia brigadirov
stroitel'nykh brigad kolkhozov. Moskva, Gos.izd-vo lit-ry po
stroit., arkhit. i stroit.materialam, 1958. 287 p. (MIRA 12:3)
        (Farm buildings)   (Building)

RAKIN, L.A.; ZORIN, P.A., starshiy inzhener

Mechanization of repairs of metallurgical furnaces in
the "Serp i Molot" Plant. Metallurg 6 no.9:34 S '61.(MIRA 14:9)

1. Zam stitel' nachal'nika tsekha remonta metallurgicheskikh
pechey zavoda "Serp i molot" (for Rakin). 2. Zavod "Serp i
molot" (for Zorin).
      (Metallurgical furnaces—Maintenance and repair)

ZORIN, Petr Alekseyevich; RAZINKOV, P., red.; YEGOROVA, I., tekhn.red.

[Making bricks in collective-farm enterprises] Proizvodstvo
kirpicha na kolkhosnykh predpriiatiiakh. Moskva, Mosk.rabochii,
1959. 169 p. (MIRA 12:12)

(Brickmaking)

ZORIN, Petr Alekseyevich, inzh.; KRILOV, Nikolay Vital'yevich,
inzh.-arkhitektor [deceased]; MARTYNOV, Pavel Timofdyevich,
inzh.; RAZIMKOV, P., red.; PAVLOVA, S., tekhn.red.

[Helping rural builders] V pomoshch' sel'skomu stroiteliu.
Izd.2., perer. i dop. Moskva, Mosk.rabochii, 1960. 494 p.
(MIRA 14:4)

(Construction industry)

SHMARGANER,Yeva Markovna; ZORIN, P.D., nauchnyy red.; GRACHEVA, A.V.,
       red.; SHAPENKOVA, T.A., tekhn. red.

   [Maintenance of lace machines] Obsluzhivanie kruzhevnoi ma-
   shiny. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1961. 156 p.
                                             (MIRA 15:3)
   1. Zamestitel' nachal'nika kruzhevnogo tsekha Moskovskoy kru-
   zhevnoy i gardinno-tyulevoy fabriki imeni Tel'mana (for Zorin).
     (Knitting machines)   (Lace and lace making)

ZORIN, P.M.

Akhtyrskaya Hospital for medicinal baths. Vop. kur. fizioter. i lech.
fiz. kul't. 25 no. 3:268-269 My-Je '60.   (MIRA 14:4)

1. Iz kozhno-venerologicheskogo kabineta Akhtyrskoy medikosanitarnoy
chasti tresta "Abinneft'".
   (ABINSKII DISTRICT (KRASNODAR TERRITORY)—MINERAL WATERS)

ZORIN, P.M. (Poselok Akhtyrskiy)

Fixed erythema following use of phthivazid. Vest.derm. i ven. 32
no.1:77 Ja-F '58.   (MIRA 11:4)
          (SKIN--DISEASES) (ISONICOTINIC ACID)

ABAKUMOVSKIY, D.D., inzh.; VIKHMAN, Yu.L., inzh.; VODOVOZOV,A.I.,inzh.;
ZORIN,R.P.,inzh.; IGNATCHENKO,Ye.A.,inzh.; LITINSKIY,M.E.,inzh.;
SAZONOV,A.I.,inzh.; PRITULA,V.A., inzh.,; POMAZKOV,S.A.,inzh.;
FRUKHTBEYN,L.I.,inzh.; SAPOZHNIKOV,N.M.,inzh.; MASYUK, A.I., inzh.;
YANKELEV,L.F.,inzh.; BASHILOV,M.V.,otv. red.; LATINSKIY,M.E., red.;
POLOSINA, A.S., tekhn. red.

[Handbook for buidlers and assemblers of the petroleum industry]
Spravochnik stroitelia-montazhnika neftianoi promyshlennosti. Mo-
skva, Gostoptekhizdat, 1946. 250 p.   (MIRA 15:4)

1. Russia(1923- U.S.S.R.)Narodnyy komissariat neftyanoy promysh-
lennosti. Glavnoye upravleniye. 2. Narodnyy komissariat neftyanoy
promyshlennosti SSSR (for all except Bashilov, Latinskiy, Polosina).
                      (Petroleum industry)

ZORIN, S. (Leningrad)

"Self-service grocery stores" by I.A.Ivanov. Reviewed by S. Zorin.
Sov. torg. 35 no.9:52-53 S '62.   (MIRA 16:2)
          (Grocery trade)   (Ivanov, I.A.)

ZORIN, S. (Leningrad)

Methods for determining the need of storage space. Sov. torg 33
no.10:18-21 O '59.   (MIRA 13:1)
                    (Warehouses)

KUST, V., kand.ekonom.nauk (Leningrad); ZORIN, S., kand.ekonom.nauk (Leningrad);
  ZHDANOVA, S., kand.ekonom.nauk (Loningrad)

  Textbook on the organization and technology of trade. Sov. torg.
  37 no.11:47-48 N '63.   (MIRA 16:12)

MOROL, S.; PERFILOVA, G.

Manufactured goods stores should work in new way. Sov. torg.
35 no.11:26-27 N '61.   (MIRA 14:10)
          (Leningrad—Retail trade)

TEKUCHEV, N.F., gornyy inzh. (g. Stalino); ZORIN, S.I. gornyy inzh.,
(g.Stalino)

Use of the longwall retreating to the rise system and of the
pillar and stall method in the "Nikanor" mine. Ugol' 35 no.5:25-
27 My '60.   (MIRA 13:7)
              (Donets Basin--Coal mines and mining)

S/263/62/000/022/001/002
E073/E435

AUTHOR: Zorin, S.M.

TITLE: Measurement of the torques of micromotors under
            transient conditions of operation

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk.
            Izmeritel'naya tekhnika, no.22, 1962, 18,
            abstract 32.22.114. (Tr. Kazansk. aviats. in-ta,
            no.59, 1960, 69-73)

TEXT: In this arrangement a motor under test is fitted on a
rocking frame to which a moving contact is attached and is
continuously rocked at a frequency set by an audiofrequency
oscillator.   The amplitude of the oscillations is limited by
fixed contacts connected into the metering circuit.   If there is
no torque on the motor shaft both operating contacts are closed for
the same time.   Torque developed on the shaft is transmitted to
the stator and causes changes in this time, so that under steady-
state conditions, the difference between the average values of
the currents in the circuits of the two contacts can be measured
on a differential milliammeter.   Under transient conditions the
Card 1/2

Measurement of the torques ...   S/263/62/000/022/001/002
                                                  E073/E435

time for which one of the operating contacts remains closed is
recorded by a loop connected via an amplifier to an indicator
unit ("passive attachment").   A mathematical analysis and
formulae are given which enable unequivocal determination of the
shaft torque from the measured closed times of the contacts.
4 figures, 3 references.

[Abstracter's note: Complete translation.]

Card 2/2

ZORIN, V.

      Attention, students at work. Okhr.truda i sots.strakh. no.9:
33-36 S '59.   (MIRA 13:1)
        (Vocational education—Safety measures)

Zorin, V-M

ZORIN, V.M.

Epidemiological significance of different age groups of A.maculipennis
in Vitebsk Province. Med.paraz. i paraz.bol. supplement to no.1:13
'57.   (MIRA 11:1)

1. Iz byvshey Vitebskoy oblastnoy protivomalyariynoy stantsii.
     (VITEBSK PROVINCE--MOSQUITOES AS CARRIERS OF DISEASE)

ZORIN, Petr Alekseyevich; RAZINKOV, P., redaktor; YEGOROVA, I., tekhnicheskiy
        redaktor

[Manufacturing roofing tiles on collective farms] Proizvodstvo
cherepitsy v kolkhozakh. [Moskva] Mosk.rabochii, 1957. 94 p.
        (Tiles, Roofing)   (MIRA 10:8)

ZORIN, P. A.

building of dwellings from unburned materials; adobe, raw bricks, earthen blocks, and clay
with twigs Moskva, 1942. 7, o. (Stakhanovskaia Biblioteka, 1942. no 7) (54-5346?)

TH1421.Z6

ZORIN P.P.

    Koefitsiyent Neravnomernosti Pri Razrabotke Slantsevykh Mestorozhdeniy,

    Goryuchiye Slantsy, 1933, No. 3, 5.

SO; Goryuchiye Slantes #1934-35 TN. 871 G74

ZORIN, R.

"Ekonomika i organizacja pracy" (Economics and the organization
of labor), a journal of the Polish Institute of Economics and
Industrial Organization. Sots.trud no.4:115-119 Ap '56. (MLRA 9:11)

(Poland--Labor and laboring classes--Periodicals)

ZORIN, R.

"Handel Zagraniczny," the foreign trade journal published by the
Polish Chamber of Commerce. Vnesh.torg.26 no.12:25-26 D '56.
   (Poland--Commerce--Periodicals)   (MLRA 10:2)

ZORIN, R.

"SUCCESSES IN THE DEVELOPMENT OF THE NATIONAL ECONOMY OF POLAND"

Vneshnyaya Totgovlya, No 4, Moscow 1956, pp 5-10.

Translation M-1282, 8 Nov 56.

ZORIN, B.

Successes in the development of Poland's national economy. Vnesh.
torg. 26 no.4:5-10 Ap '56.   (MLRA 9:8)
          (Poland--Economic conditions)

ZORIN, S.

Initiative and amateur performances are the pledge of success. Kryl.rod.
4 no.6:6-7 Je '53.   (MLRA 6:6)
(Aeronautics—Study and teaching)

ZORIN, S., kand. ekon. nauk; KONOVALOV, K.

Overall mechanization of a store. Sov. torg. no. 7:30-35 Jl '58.

(MIRA 11:7)

(Materials handling)

ZORIN, S., kandidat ekonomicheskikh nauk.

Centralized delivery of goods in Leningrad Province. Sov. torg. no.9:
25-28 S '56.   (MLRA 9:11)
          (Leningrad Province--Delivery of goods)

ABATUROV, A.I.; VIHOGRADOV, M.A.; DUBROVA, G.B.; LOTOREV, L.M.; ZORIN, S.M.;
    VASIL'YEV, A.A.; VOLOKITIN, A.S.; BUKOVETSKIY, A.I.; PEKAZKOV, N.B.;
    MEZENTSEV, P.V.; YEGORKIN, N.I.; DANILOV, M.M.; LUKASHEV, M.Ya.;
    MEYEROVICH, I.L.; KLYUCHEV, A.Ye.; SARYCHEV, V.G.; ZAVILOVICH, M.A.;
    NOVOSEL'SKIY, N.M.; GITLITS, S.A.; REZNICHENKO, M.S.; MOROZ, L.P.;
    KHETAGUROVA, F.V.; CHOGOVADZE, Sh.K.; RYBCHINSKO, A.A.; BOCHAROVA, N.P.;
    GAGLOYEVA, N.A.; KRYUKOVA, T.B.

    Rubinshtein, Grigorii Leonidovich; 1891-1959. Sov. torg. 33 no.12:56
    D '59.   (MIRA 13:2)
                (Rubinshtein, Grigorii Leonidovich, 1891-1959)

ZORIN, S.P.

CA

Gypsum and anhydrites of Bashkiria. S. P. Zorin.
Keramika 1930, No. 8, 37-41. — Characteristics are given
of several kinds of gypsum and anhydrite and of anhy-
drite cement and slag blocks made from it.   E. R. S.

ZORIN S.P.

Stilpan content from the Kushkinya marls. H. P.
Maffin Metron'sc. Khm. Beiskivid 1940, No. 7-4, 10 s;
Khim Refesum. Zhur. 6, No. 7-8, 96(1941). Chromate
from these marls exceed in quality the Soviet standards,
and are considerably stronger than are lime cements.
W. R. Brown

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZORIN, S.P.

6575

ZORIN, S. P.

ZORIN, S. P.   ANGIDRITOVYI TSEMENT I MSTCEY YEGO
ISPOL'ZOVANIYA V STROITEL'STVE.   V POMOSHEH'
PROIZVODSTVU.   UFA, BASHKIR. KN. IZD., 1954   68 S.
S ILL 20 SM (ADAD. NAUK SSSR BASHKIR. FILIAL ADAD.
NAUK SSSR. GORN-GEOL. IN-T) 1,000EKZ 1 R   35 K.
BIBLIOGR. e 65-66. -(55-2946) P 691.54 plus 693. 5 plus
(016.3)

SO: KNIZHANYA LETOPIS' NO. 6, 1955

ZORIN, Sergey Petrovich, prof., doktor tekhn.nauk; KRAUZE, Sergey Niko-
layevich, kand.geologo-mineralog.nauk; BUDNIKOV, P.P.; red.;
VAKHRUSHEV, O.V., doktor geologo-mineralog.nauk, prof., zaslu-
zhennyy deyatel' nauki Bashkirskoy ASSR, red.; OSTASHEVSKAYA,
O.A., red.; ZAYNULLINA, O.Z., tekhn.red.

[Gypsum from Bashkiria and its use in construction] Gipsy
Bashkirii i ikh ispol'zovanie v stroitel'stve. Pod red. P.P.
Budnikova i O.V.Vakhrusheva. Ufa, Bashkirskoe knizhnoe izd-vo,
1959.   229 p.
                                                (MIRA 13:3)

1. Chlen-korrespondent Akademii nauk SSSR; deystvitel'nyy chlen
Akademii nauk USSR (for Budnikov).
                  (Bashkiria--Gypsum)

GAKHEMSON, Boris Semenovich, dotsent; ZORIN, Stanislav Pavlovich, inzh.;
    VORONIN, M.I., inzh., red.; MIKHAYLOVA, L.G., red. izd-va;
    SHIBKOVA, R.Ye., tekhn. red.

[The TDT-75 timber skidding tractor) Trelevochnyi traktor
TDT-75. Pod obshchei red. M.I.Voronina, Moskva, Goslesbumizdat,
1962. 292 p.   (MIRA 16:6)
        (Tractors) (Lumber—Transportation)

IL'INSKIY, B.D.; PETRENKO, L.I.; ZORIN, S.V., red.; PIMEGIN, I.I.,
    red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

    [Safety regulations in pipe rolling and pipe welding
    industries] Pravila bezopasnosti v truboprokatnom i
    trubosvarochnom proizvodstvakh. Moskva, Metallurgizdat,
    1962. 119 p.   (MIRA 16:4)

    1. Professional'nyy soyuz rabochikh metallurgicheskoy
    promyshlennosti. TSentral'nyy komitet.
            (Pipe mills--Safety measures)
            (Welding--Safety measures)

KOSTIN, L.G., inzh.; ZABRODSKIY, D.A., inzh.; ZORIN, S.V., inzh.;BUCHEK,
L.T., inzh. SANZHAREVSKIY, O.G., inzh.

Rolling of fastening parts. Mashinostroenie no.6:67-68 N-D '64
(MIRA 18:2)

ZORIN, S.V., red.; EVENSON, I.M., tekhn. red.

[Safety regulations in the coke by-product industry] Pravila bezd-
pasnosti v koksokhimicheskom proizvodstve. Moskva, Metallurgizdat,
1960. 39 p.
                                              (MIRA 14:11)

1. Professional'nyy soyuz rabochikh metallurgicheskoy promyshlen-
nosti. TSentral'nyy komitet.
            (Coke industry—Safety measures)

ZORIN, S.V., red.; EVENSON, I.M., tekhn.red.

[Safety regulations in the production of ferroalloys] Pravila bezopasnosti v ferrosplavnom proizvodstve. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 34 p.

(MIRA 13:7)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR. TSentral'nyy komitet.
        (Iron alloys--Metallurgy)
    (Metallurgical plants--Safety measures)

ZORIN, S.V., red.; KLEYNMAN, M.R., tekhn.red.

[Industrial safety and sanitation regulations in the wire and nail industries] Pravila bezopasnosti i promyshlennoi sanitarii v provolochnom i gvozdil'nom proizvodstvakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 43 p.
(MIRA 13:11)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti. TSentral'nyy komitet.
(Wire industry--Safety measures)   (Factory sanitation)

DUNAYEVSKIY, M.M.; IL'INSKIY, B.D.; SINEBRYUKHOV, N.V.; ZORIN, S.V.,
        red.; MIKHAYLOVA, V.V., tekhn.red.

[Safety regulations in sintering plants] Pravila bezopasnosti
v aglomeratsionnom proizvodstve. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 44 p.
                                              (MIRA 13:11)
1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR.
TSentral'nyy komitet. 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut organizatsii proizvodstva i truda chernoy metallurgii
(VNIIOCHERMET) (for Dunayevskiy, Il'inskiy, Sinebryukhov).
        (Sintering--Safety measures)
    (Metallurgical plants--Safety measures)

IL'INSKIY, B.D.; PETRENKO, L.I.; SINEBRYUKHOV, N.V.; DUNAYEVSKIY, M.M.;
    ZORIN, S.V., red.; MIKHAYLOVA, V.V., tekhn.red.

[Safety regulations in the electric steel smelting industry]
Pravila bezopasnosti v elektrostaleplavil'nom proizvodstve.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1960. 94 p.   (MIRA 13:11)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR.
TSentral'nyy komitet. 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut organizatsii proizvodstva i truda chernoy metallurgii
(VNIIOCHERMET) (for Il'inskiy, Petrenko, Sinebryukhov, Dunayevskiy).
            (Steel---Electrometallurgy)
        (Metallurgical plants---Safety measures)

ZORIN, S.V., red.; KLEYMAN, M.R., tekhn.red.

[Safety rules in the refractories industry] Pravila bezopasnosti
v ogneupornom proizvodstve. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1960. 50 p.   (MIRA 13:7)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR. TSentral'-
nyy komitet. 2. Technicheskiy inspektor TSentral'nogo komiteta
profsoyuza (for Zorin).
        (Refractories industry--Safety measures)

IL'INSKIY, B.Yu.; DUNAYEVSKIY, M.M.; SINEBRYUKHOV, N.V.; ZORIN, S.V., red.; KLEYMAN, M.B., tekhn.red.

[Safety regulations in the blast-furnace process] Pravila bezopasnosti v domennom proizvodstve. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 87 p. (MIRA 13:7)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR. TSentral'nyy komitet.
        (Blast furnaces--Safety measures)

IL'INSKIY B.D.; GUR'YEV, V.S.; MARADUDIN, G.I.; ZORIN, S.V., red.;
      PINEGIN, I.I., red.izd-va; GINZBURG, R.Ya., tekhn. red.

      [Safety regulations in the bessemer steel production process]
      Pravila bezopasnosti v konvertnom proizvodstve stali. Mo-
      skva, Metallurgizdat, 1963. 79 p.   (MIRA 17:3)

      1. Professional'nyy soyuz rabochikh metallurgicheskoy pro-
      myshlennosti. TSentral'nyy komitet.

DUNAYEVSKIY, M.M.; IL'INSKIY, B.D.; SINEBRYUKHOV, N.V.; VORKEL', M.M.;
ZORIN, S.V., red.; DOBUZHINSKAYA, L.V., tekhn.red.

[Safety regulations in rolling-mill practice] Pravila bez-
opasnosti v prokatnom proizvodstve. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 112 p.
(MIRA 13:7)
1. Soyuz rabochikh metallurgicheskoy promyshlennosti. TSentral'-
nyy komitet. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut
organizatsii proizvodstva i truda chernoy metallurgii (for Du-
nayevskiy, Il'inskiy, Sinebryukhov, Vorkel').
(Rolling mills--Safety measures)

IL'INSKIY, B.D.; DUBAYEVSKIY, M.M.; SINEBRYUKHOV, N.V.; PETRENKO, L.I.;
        ZORIN, S.V., red.; DOBUZHINSKAYA, L.V., tekhn.red.

        [Safety regulation in the open-hearth process] Pravila bez-
        opasnosti v martenovskom proizvodstve. Moskva, Gos.nauchno-tekhn.
        izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960, 127 p.
                                                        (MIRA 13:7)
        1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR.
        TSentral'nyy komitet.
              (Open-hearth furnaces--Safety measures)

ZORIN, V.

    Advice to young drivers. Za rul. no.6:13 Je '57.   (MIRA 10:7)
                    (Juvenile automobile drivers)

ZORIN, V.

Extinct animals. Vokrug sveta no.7:26-28 Jl '54. (MLRA 7:8)

(Extinct animals)

ZORIN. V

The corrosion processes taking place under a drop of solution. V. Zorin. *J. Phys. Chem.* (U. S. S. R.) 11, 834-43 (1938).—The character and the degree of corrosion of Fe under drops of salt solns. depend on the nature of the salt, and especially on its cation. Solns. (0.1 N) of Li, K, Na, NH₄, Mg, Ba, Mn, Co, Zn, Hg, Cu, Al, Fe, Sn and Pt on two samples of Fe contg., resp., Si 0.018 and 0.18%, P 0.010 and 0.05%, Mn 0.00006 and 0.62%, C 0.015 and 0.30% and S none and 0.07% were studied. Drops of the solns. of the salts of alkali metals formed during corrosion of Fe an alk. zone on the periphery of the drop, and a free acid in its center. Drops of solns. of other salts do not spread out. No free base and free acid are formed in them. The spreading of the drops depends on the properties of the cation of the salt, and on the corroding metal, but does not depend on the anion of the salt. Under the drops of solns. of basic metals the corrosion starts immediately below the edges where the first rust is formed. The oxidation Fe⁺⁺ → Fe⁺⁺⁺ does take place not on the surface of the metal, but on the surface layer of the drop on the air-soln. border. Under the drop edges the corrosion takes place not because of the presence of a free base, but because of the oxidation of Fe by the dissolved O. The presence of O affects the corrosion velocity of the metal. The corrosion of Fe under the drops of salt solns. of even basic metals does not take place in accordance with the principles of differential aeration. 11 references. W. R. Henn

A.S.M. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

ZABALUYEV, V.; ZORIN, V.

      Guarantee of success lies in team work. Sov.profsoiuzy 7 no.4:19-22
Mr '59.
                                                (MIRA 12:4)

      1. Predsedatel' Novosibirskogo sovnarkhoza (for Zabaluyev). 2. Predse-
datel' Novosibirskogo oblsovprofa (for Zorin).
                  (Novosibirsk Province--Labor productivity)

ZORIN, V.

"Answer to Zaretskiy on his Criticism of My Article, 'The Process of Corrosion under Dripping'".   Zhur. Fiz. Khim. 13. No. 7, 1939.

Report U-1615, 3 Jan. 1939.

ZORIN, V.

Electric current! Danger! Politekh. obuch. no.10:46-51 O '57.
        (Electric engineering--Safety measures)   (MLRA 10:9)

ZONIN, V.

L. P. Pavlov and infant and child nutrition. Pediat. listy, Praha
7 no. 6:354-357 Nov-Dec 1952.   (CLML 24:2)

1. Of the First Pediatric Clinic (Head--Prof. J. Švejcar, M.D.) of
Charles University, Prague.

ZORIN, Vladimir, MUDr

Importance of the Pavlovian theory for pediatrics. Pediat. listy,
Praha 9 no.6:322-329 Dec 54.

1. Detske oddeleni KUNZ Usti n.L., predn. MUDr V.Zorin
        (PHYSIOLOGY
            Pavlovian theory in pediatrics)
        (PEDIATRICS
            Pavlovian theory)

ZORIN, Vladimir

Organization of care of hemolytic disease of newborn. I.
Cesk. pediat. 12 no.5-6:486-493 May-June 57.

1. Detske oddeleni KUNZ v Usti n. L., prednosta prim. MUDr.
V. Zorin.
    (ERYTHROBLASTOSIS, FETAL, ther.
       pre- & postnatal care (Cz))

ZORIN, Vladimir

Experiences of regional center for exchange transfusion for
hemolytic disease of newborn. Cas. lek.cesk, 96 no.24-25:
773-777 21 June 57.

1. Detske oddeleni KUNZ v Usti n. L., prednosta prim. MUDr.
V. Zorin. Vl. Z., Usti n. L., Fucikova tr. 243.
     (ERYTHROBLASTOSIS, FETAL, ther.
          exchange transfusion, statist. (Cz))
     (BLOOD TRANSFUSION, in various dis.
          exchange, in fetal erythroblastosis, statist. (Cz))

ZORIN, V. (g.Kurgan)

Landing on terrain selected from the air. Kryl.rod. 11 no.9:13
S '60.   (MIRA 13:9)
                    (Airplanes--Landing)

ZORIN, V.; DOBROVOL'SKIY, N.

Suggestions prompted by life. Okhr.truda i sots.strakh.
no.10:20-22 O '59.   (MIRA 13:2)

1. Predsedatel' Novosibirskogo oblastnogo soveta profsoyuzov
(for Zorin). 2. Zaveduyushchiy otdelom okhrany truda Novosibir-
skogo oblsovprofa (for Dobrovol'skiy).
        (Novosibirsk Province--Industrial hygiene)
            (Factories--Design and construction)

ZORIN, Vladimir, MUDr.

Experience with the health community system in care of children. Cesk.
zdravot. 6 no.6:290-298 June 58.

1. Detske oddeleni KUNZ Usti nad Labem.
   (CHILD WELFARE,
                     health community serv. in Czech. (Cz))

L 06456-67   EWT(m)/EWP(1)   IJP(c)   GG/RM
ACC NR: AR6024546   (A)   SOURCE CODE: UR/0089/66/021/001/0064/0066

AUTHOR: Berlyant, S. M.; Drozdov, V. Ye.; Finkel', E. E.; Orlenko, P. A.; Suroyegin,
L. M.; Breger, A. Kh.; Karpov, V. L.; Zorin, V. A.

ORG: none

TITLE: Large-scale radiation cross linking of polyethylene insulation of cable products

SOURCE: Atomnaya energiya, v. 21, no. 1, 1966, 64-66

TOPIC TAGS: radiation chemistry, polyethylene, polymer cross linking, insulated wire,
electric cable/ KP gamma ray apparatus

ABSTRACT: In view of the many advantages resulting from the use of irradiated thermal-
ly stabilized polyethylene as insulation in cables, the authors describe apparatus de-
veloped for the irradiation of such insulation, for use in geophysical cables for very
deep well drilling (o.d. 6.5 mm, length ~9 km, weight ~380 kg, volume ~ 400 l),
capable of withstanding temperatures up to 200C and pressures higher than 300 atm.
The entire cable was wound on a drum and exposed to γ radiation from Co^{60} (total
activity 180,000 g-equivalent of radium) from the KP-200 apparatus. Measures taken
to ensure uniformity of the gamma radiation, which is an essential factor in the
success of the operation, are described. The required dose was 140 Mrad ($\pm$10%). At
a dose intensity of 63 r/sec and an irradiation time of 610 hr, the productivity of
the apparatus was 0.7 kg/hr and the efficiency ~15%. The authors thank G. N. Lisov

Card 1/2   UDC: 621.039.55: 541.15

L 06456-67

ACC NK: AP5024546

for participating in the development of the apparatus, and M. Ye. Yeroshov, M. D.
Larionov, L. K. Topil'skiy, Yu. D. Kozlov, and the late N. A. Kuznetsov for help
with the experiments. Orig. art. has: 3 figures.

SUB CODE: 07, 20/   SUBM DATE: 16Oct65/   ORIG REF: 007

Card 2/2

ZORIN, V.F.; TSVETNOY, S.M.

        Apparatus for checking the armatures of miniature machines.
        Sborn. st. RIIZHT no.45:70-76 '64.   (MIRA 19:1)

ZORIN, V. K.

AID P - 980

Subject   : USSR/Engineering

Card 1/1   Pub. 28 - 3/9

Authors   : Tanatar, A. I. and Zorin, V. K.

Title   : Squirrel cage induction motors with screened end rings

Periodical   : Energ. byul., #10, 15-17, 0 1954

Abstract   : A method of improvement of starting torque in the induction
                motor suitable for continuous and interrupted running is
                discussed. This improvement to Stern's double ring system
                and the combination of Iosifov's system with starting rods
                and Shturman's open circuit in squirrel cage was satisfac-
                tory tested. Four drawings, 1 table and 5 Russian refer-
                ences (1951-1952).

Institution : None

Submitted   : No date

ZORIN V.K.

TANATAR, A.I.; ZORIN, V.K.

Short-circuited induction motors with shielded end rings of the squirrel cage. Energ.biul. no.10:15-18 O '54. (MLRA 7:11)
(Electric motors, Induction)

TANATAR, A.I.; ZORIN, V.K.

Increasing the reliability of long-travel brake electromagnets of
the KMT type. Prom.energ. 16 no.6:24 Je '61.   (MIRA 15:1)
     (Hoisting machinery--Brakes) (Electromagnets)

ZORIN, V.K.

Automatic device for facilitating the driving of a car.
Avt.prom. 28 no.1:45-46 Ja '62.   (MIRA 15:2)

1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut.
        (Automobiles—Apparatus and supplies)

ZORIN, V.M.; ZABLOTSKAYA, A.N.

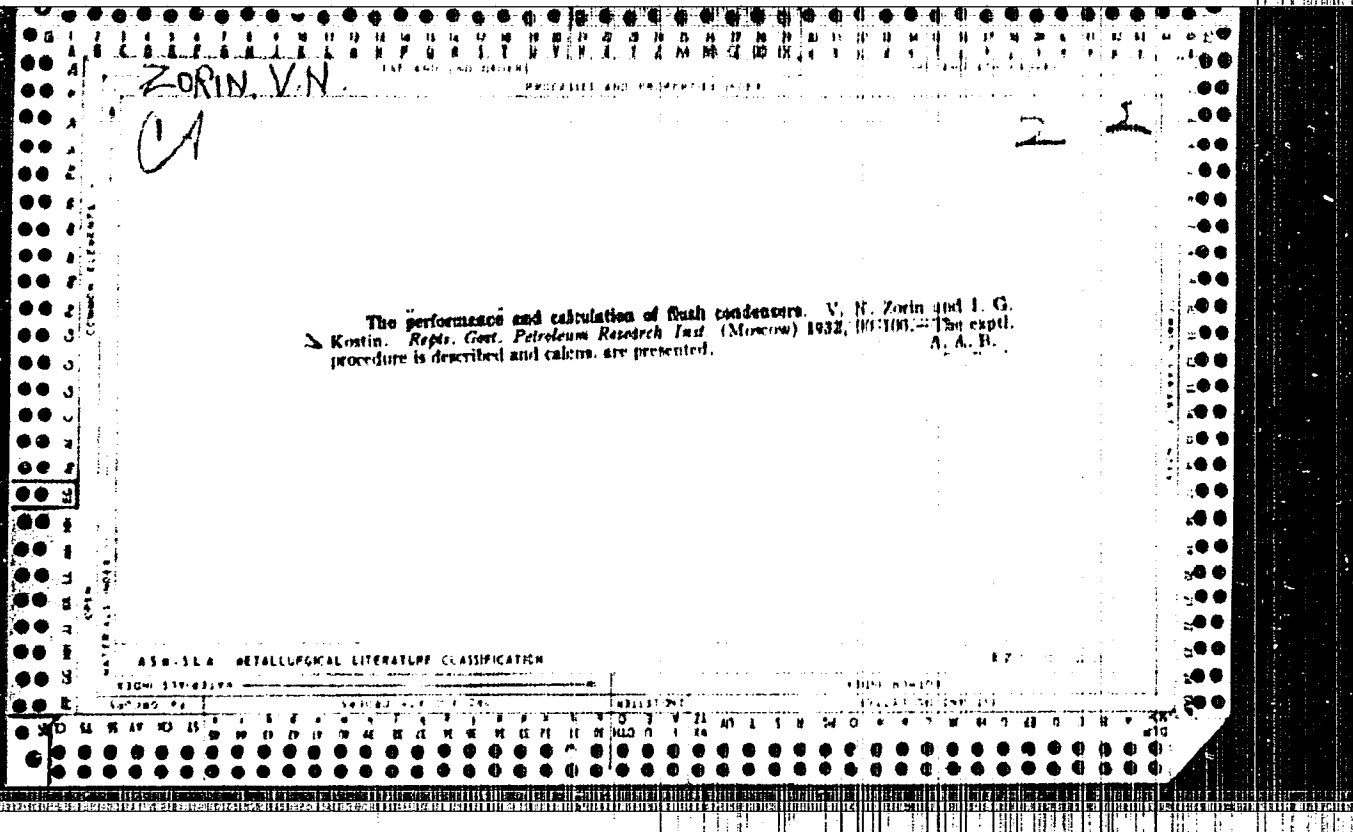Data for the standardization of the indices of bacterial contamina-
tion of boiled sausage products. Vop.pit 21 no.4:85-86 Jl-Ag '62.
(MIRA 15:12)
1. Iz Vitebskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(SAUSAGES—MICROBIOLOGY)

ZORIN, V.N.

Creating reducing turbodrills; a topic for discussion. Neft.khoz.
38 no.8:45-47 Ag '60.   (MIRA 13:8)
        (Turbodrills--Hydraulic drive)

ZORIN, V.N.

The performance and calculation of flash condensers. V. N. Zorin and I. G. Kostin. Repts. Govt. Petroleum Research Inst. (Moscow) 1932, (10:106.—The exptl. procedure is described and calcns. are presented.

A. A. B.

ZORIN, V.N.; KONYUKHOV, I.N.; VINOGRADOV, B.N.; CHERNOBYL'SKIY, A.G.;
ALEKSANDROV, V.S.

Reduction turbodrill for drilling slim and deep wells. Trudy
MINKHiGP 46:27-34 '64.   (MIRA 17:6)

ZCRIN, V. N.

"Methods of Hydrodynamic Calculation of Turbines of a Turbodrill on the Easis of
Potential Flow around the Vanes." Cand Tech Sci, Moscow Order of the Labor Red
Banner Petroleum Inst imeni Academician I. M. Gubkin, 2 Mar 54. Dissertation
(Vechernyaya Moskva Moscow, 22 Feb 54)

SO: SUM 186, 19 Aug 1954

ZORIN, V.N.

Subject   : USSR/Mining

AID P - 1125

Card 1/1   Pub. 78 - 3/25

Author   : Zorin, V. N.

Title   : Determination of consumption of drilling fluid and working
                pressure drop in the turbo-drill by P. P. Shumilov's method

Periodical   : Neft. khoz., v. 32, #11, 10-15, N 1954

Abstract   : Discussion of P. P. Shumilov's and P. A. Ioannsyan's methods
                is presented with an analysis of basic equations for fluid
                consumption and pressure drop. The output of the fluid pump
                is related to the technological conditions of the oil well
                casing, working conditions of the turbo-drill (pressure drop
                momentum and shaft speed), and technical and economic con-
                siderations. One chart, 1 table and 5 Russian references
                (1943-1953).

Institution : None

Submitted   : No date

BC

a-2

Adam. Dian. ation: ore deposits of Kamera. distr.—S. M. Alexeev and V. P. Kazan. Zkhar.. Lash. Sibirian. Geol. Sser. 1988, No. 5, 51-60).—The deposits are described. Analyses are given.

Cur. Anal. (H)

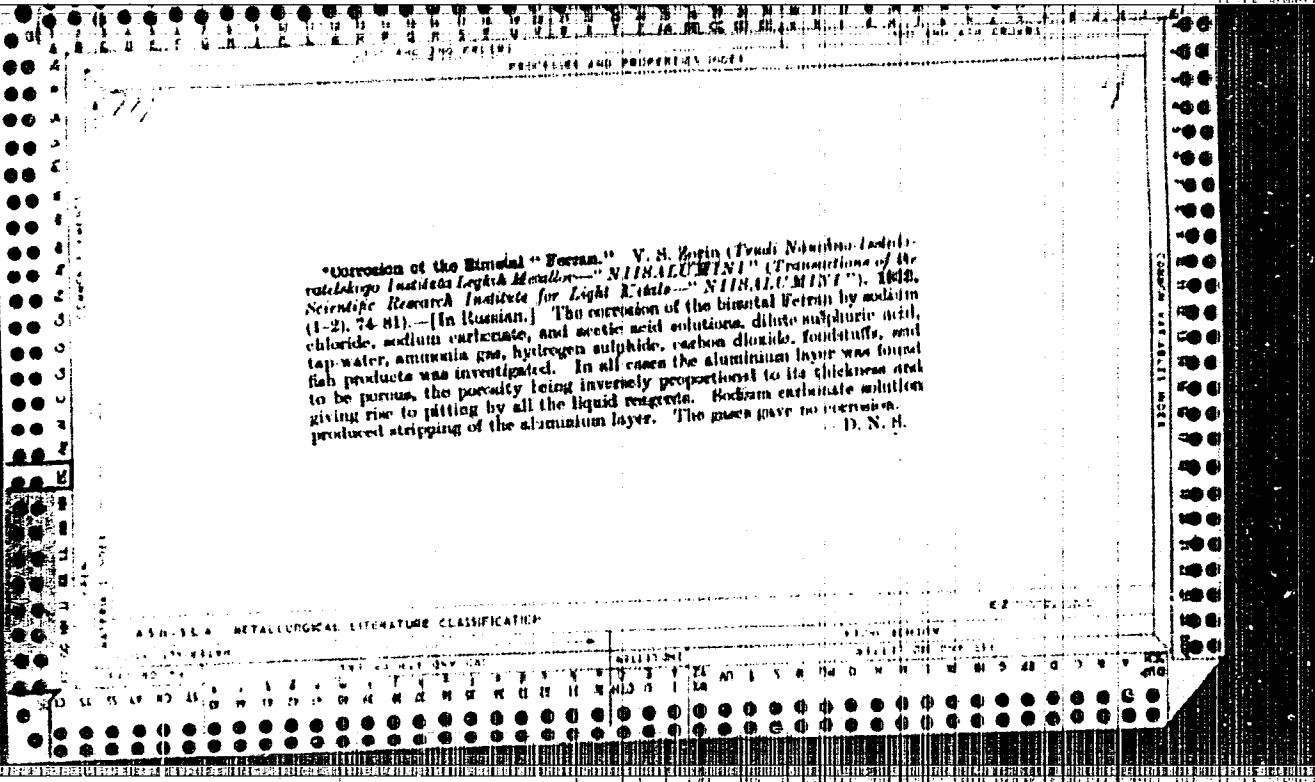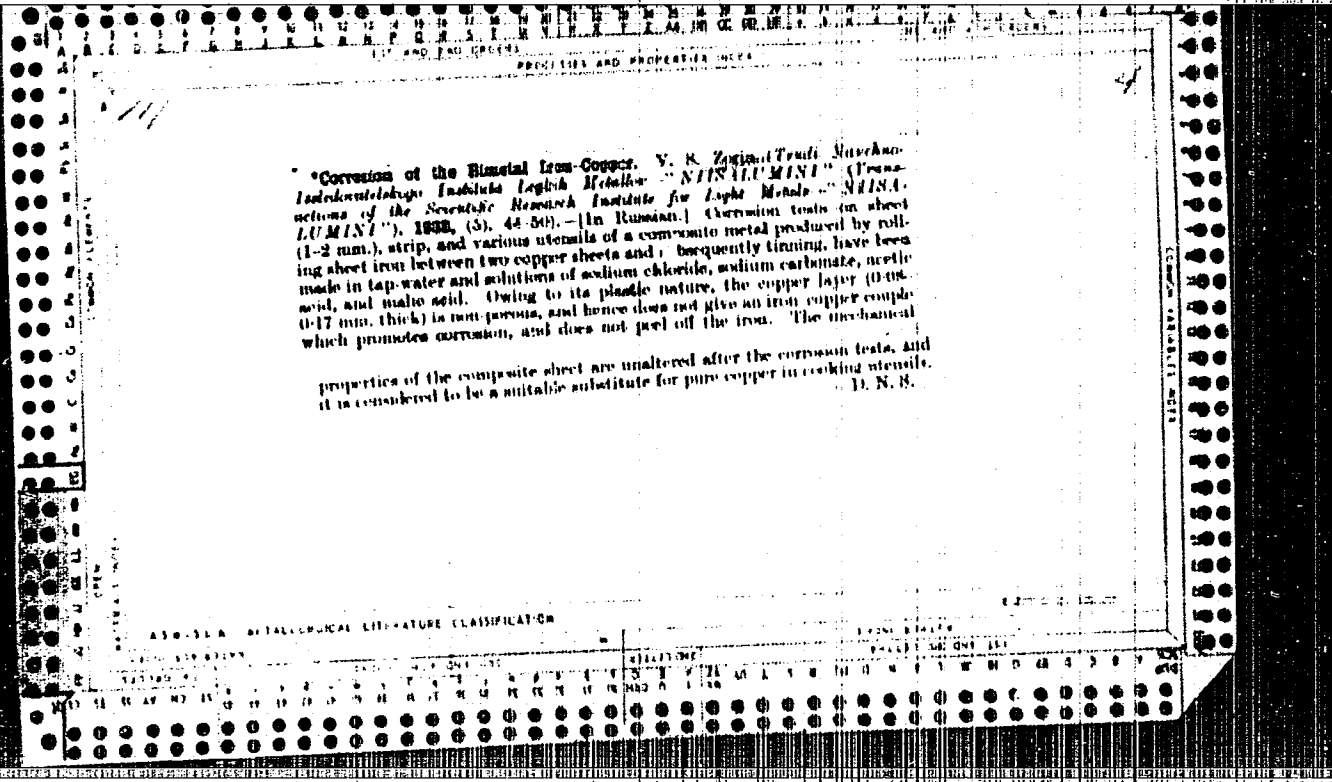ESK-ILE.   METALLURGICAL LABORATORY CLASSIFICATION

ZORIN, V. P.

7630. ZORIN, V. P. -- Kontrol'nyye zadaniya I metodicheskiye ukazaniya po kursu
"tekhnologiya metallov I dereva". dyla zaoch. otd-niy tekhnikumov mekha-
nizatsii sel'skogo khozyzystva. utr 29/kh 1954 g. (M., 1954). 28 s. 20 sm.
(upr. ucheb. zavedeniy glav. upr. podgotovki kadrov M-va sel'skogo khozyaystva
SSSR. vsesoyuz. zaoch. s. -- kh. tekhnikum). 8.000 ekz. b. ts. -- v kontse
teksta avt: V. P. Zorin --bez tit. l. I obl. -- (55-3870)
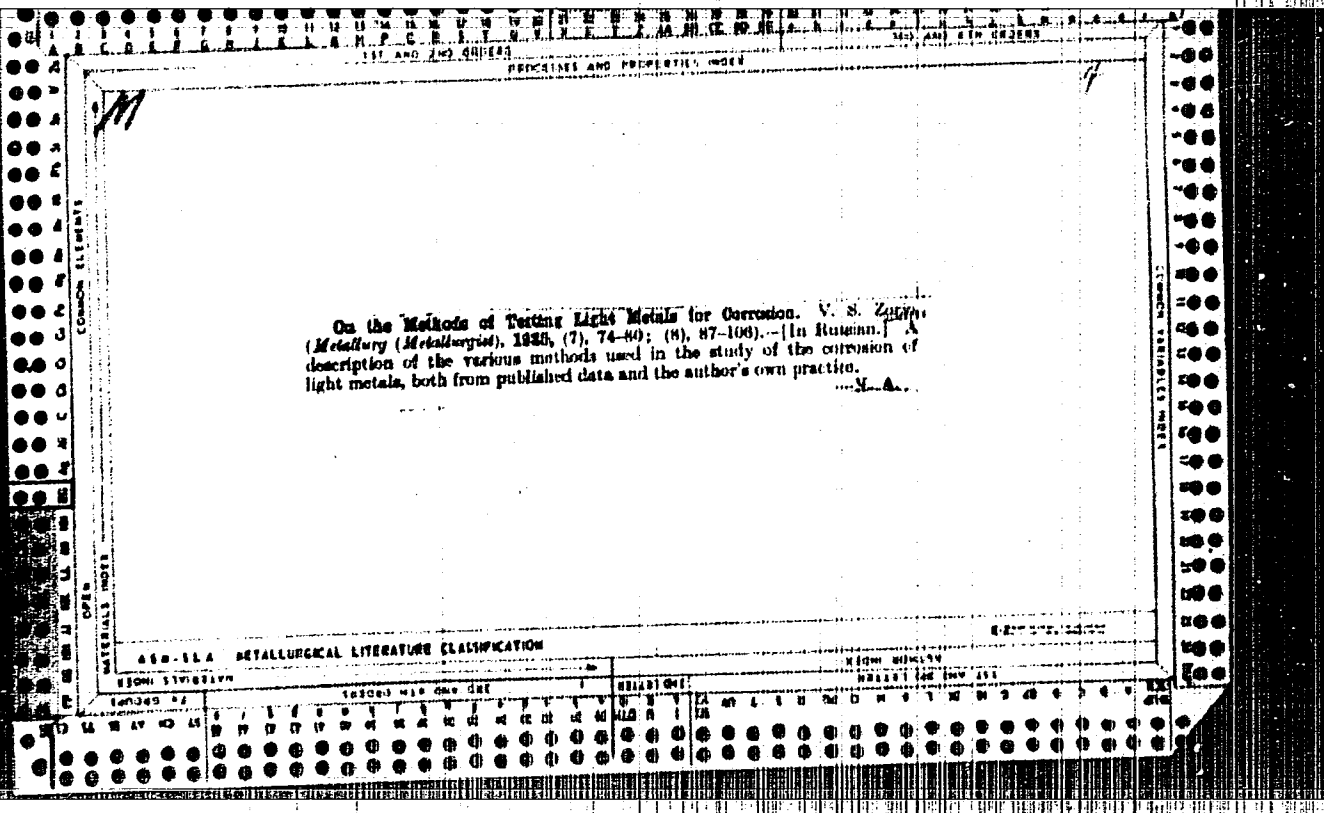621.7/9 & 674.02) (071.4)

SO: Knizhnaya Letopsis', Vol. 7, 1955

ZORIN, Vladimir Petrovich; SOLODUN, G.A., red,

    [Arithmetic in construction] Arifmetika po stroitel'nomu
delu; sbornik pravil, primerov i zadach. Kiev, Gossel'-
khozizdat USSR, 1963. 251 p.   (MIRA 16:5)
                (Arithmetic)

"Corrosion of the Bimetal "Ferran." V. S. Zorin (Tsudi Nauchno-Issled. ratelskogo Instituta Legkikh Metallov—"NIISALUMINI" (Transactions of the Scientific Research Institute for Light Metals—"NIISALUMINI"), 1942. (1-2), 74-81).—[In Russian.] The corrosion of the bimetal Ferran by sodium chloride, sodium carbonate, and acetic acid solutions, dilute sulphuric acid, tap-water, ammonia gas, hydrogen sulphide, carbon dioxide, foodstuffs, and fish products was investigated. In all cases the aluminium layer was found to be porous, the porosity being inversely proportional to its thickness and giving rise to pitting by all the liquid reagents. Sodium carbonate solution produced stripping of the aluminium layer. The gases gave no corrosion.
                                                                                                        — D. N. H.

ASM-SLA   METALLURGICAL LITERATURE CLASSIFICATION

*Corrosion of the Bimetal Iron-Copper. V. K. Zaxin. T'vuli. Navekno-Issledovatelskogo Instituta Legkhik Metallov "NIIS ALUMINI" (Transactions of the Scientific Research Institute for Light Metals "NIISA-LUMINI"), 1938, (3), 44-50).—[In Russian.] Corrosion tests on sheet (1-2 mm.), strip, and various utensils of a composite metal produced by rolling sheet iron between two copper sheets and subsequently tinning, have been made in tap-water and solutions of sodium chloride, sodium carbonate, acetic acid, and malic acid. Owing to its plastic nature, the copper layer (0-08-0-17 mm. thick) is non-porous, and hence does not give an iron-copper couple which promotes corrosion, and does not peel off the iron. The mechanical properties of the composite sheet are unaltered after the corrosion tests, and it is considered to be a suitable substitute for pure copper in cooking utensils.   D. N. B.

On the Methods of Testing Light Metals for Corrosion. V. S. Zaytsev (*Metallurg* (*Metallurgist*), 1935, (7), 74-80; (8), 87-106).--[In Russian.] A description of the various methods used in the study of the corrosion of light metals, both from published data and the author's own practice. ....M.—A..

*Oxidation of Aluminium and Aluminium Alloys by Gases and Liquids.
V. N. Zorin (*Legkie Metally* (*Light Metals*), 1935, (10), 12-21).—[In Russian.]
Aluminium, Duralumin, and Lautal were exposed to moist oxygen at room
temperature for 25 days, and at 97° and 550° C. for 1-24 hrs., then tested for
corrosion-resistance in artificial sea-water. Only specimens treated at 550° C.
became corrosion-resistant; this, however, cannot be ascribed to the action
of oxygen, as similar treatment in a carbon dioxide atmosphere and in a
vacuum produced analogous results. Oxidation with ozone, hydrogen per-
oxide, nitric acid, or phosphoric acid did not produce resistant films.—D. N. S.

Corrosion of light metals and of their alloys by metallic mercury. V. S. Zorin. Korroziya 4, No. 2, 142–7(1938); Khim. Referat. Zhur. 2, No. 2, 137(1939).—The corroding action of metallic Hg was investigated on Al with small admixt. of impurities, on duralumin, on Mg (99.98%), on Mg (tech.), on the AZ "elektron" and on the Z3 "elektron." The rolled metals (except Mg, which was cast) were tested. Drops of Hg were added to the metals and

the corrosion processes were investigated. The largest amt. of corrosion was observed on the metal alloys (especially on the tech. Mg and on the "elektrons"), while pure Mg was almost immune to corrosion. The velocity and the degree of corrosion increased with the increase of the humidity of the atm. and they did not depend on its compn. (the expts. were also performed in H, O, A and CO₂). The protective films on the metals preserved the metals, but did not ensure abs. protection from Hg corrosion.

W. R. Henn

SOV/76-33-8-31/39

5(4)

AUTHORS: Palatnik, L. S., Zorin, V. S.

TITLE: On the Theory of Transformation of Metastable Phases

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 8, pp 1859-1865 (USSR)

ABSTRACT: An approximation expression for the difference in the free energies of two phases is derived. The transformation kinetics of metastable phases is basically determined by the difference of the spatial free energies of the "old" and "new" phases, $\Delta \varphi$ of the spatial free energies of the "old" and "new" phases, as well as by the values of the surface tension α at the interphase borders. These two values must be known for investigations of the temperature function of the rate of formation of crystallization centers (RFCC), the linear crystallization growth, for the so-called step rule (SR), etc. Reference 1 used an approximation formula (1) for the determination of $\Delta \varphi$. It had the form of a Taylor polynomial. Since, however, (1) holds only for the vicinity of the transformation temperature T_{12}, a Taylor polynomial of second order (2) must be used for more precise calculations. By means of (2), the (SR) is explained in the present case. Whether the (SR) is complied with or not depends, above all, on the (RFCC) and the separation of the stable and metastable phases.

Card 1/2

On the Theory of Transformation of Metastable Phases   SOV/76-33-8-31/39

and is therefore also dependent upon the ratio of specific
heat, value α, the transformation heat, and the equilibrium
temperatures of the respective phases. The limiting tempera-
ture is determined for the range in which the (SR) is ful-
filled or not fulfilled, and this is explained by way of the
example of saturated water vapor chilled to a below-zero tem-
perature (centigrade), since both ranges are to be found with
it. From the results obtained, the surface tension of ice
was calculated $\alpha_{ice} = (0.97 \pm 0.02)\ \alpha_{water}$. By means of the
polynomial (2), the position of the maximum of (RFCC) was
determined (Equation 23). The value obtained is closer to the
experimental value than the one obtained in reference 1 by
means of polynomial (1). There are 7 references, 4 of which
are Soviet.

ASSOCIATION: Politekhnicheskiy institut im. V. I. Lenina (Polytechnic
Institute imeni V. I. Lenin), Gosudarstvennyy universitet
im. A. M. Gor'kogo, Khar'kov (State University imeni A. M.
Gor'kiy, Khar'kov)

SUBMITTED: February 14, 1958

Card 2/2

24 (2)
AUTHORS: Palatnik, L. S., Zorin, V. S.   SOT/20-126-6-30/67

TITLE: On the Theory of the Formation of a New Phase on the Decomposi-
            tion of Solid Solutions (K teorii zarozhdeniya novoy fazy pri
            raspade tverdykh rastvorov)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 6, pp 1254 - 1257
            (USSR)

ABSTRACT: Formula (1) gives the critical number of atoms in the nucleus
            of a crystal on the decomposition of a solid solution. Next,
            equation (10) is expanded with an assumption of probability,
            to compute the number of centers originating with the forma-
            tion of the new phase. The two-phase decomposition is then the
            object of further investigation, and the regulation of the en-
            riched zones is assumed to proceed from the zones in the initi-
            al stage. The mean size of the regulating zones is then com-
            puted with the method of successive approximation. The authors
            confine themselves to the second approximation and give equa-
            tion (17). There are 1 figure and 5 references, 1 of which is
            Soviet.

Card 1/2

On the Theory of the Formation of a New Phase on   SOV/20-126-6-30/67
the Decomposition of Solid Solutions

ASSOCIATION: Khar'kovskiy politekhnicheskiy institut im. V. I. Lenina
               (Khar'kov Polytechnic Institute imeni V. I. Lenin). Khar'kov-
               skiy gosudarstvennyy universitet im. A. M. Gor'kogo (Khar'kov
               State University imeni A. M. Gor'kiy)

PRESENTED: March 23, 1959, by S. A. Vekshinsky, Academician

SUBMITTED: March 23, 1959

Card 2/2

PALATNIK, L.S.; ZORIN, V.S.

Investigation of thermodynamic systems with a nonzero defect the concentration matrix. Zhur. tekh. fiz. 28 no.11:2635-2642 N '58.   (MIRA 12:1)
                    (Matrix mechanics) (Phase rule and equilibrium)

AUTHORS: Palatnik, L. S.,   Landau, A. I.,   76-32-3-17/43
            Zorin, V. S.

TITLE: Phase Diagrams of Thermodynamic Systems With a Non-maximum
            Rank of the Concentration Matrix (Diagrammy sostoyaniy
            termodinamicheskikh sistem s nemaksimal'nym rangom
            matritsy kontsentratsiy)   .

ABSTRACT: In studying equilibrium diagrams, the basic method of topology
            is used, whereby geometrical figures are divided into their
            simplest elements - simplexes. Hyperconnodes are such elements.

                                              By this method,
                 it is possible to facilitate the analytical
            investigations of the phase-equilibrium conditions. The
            present paper investigates diagrams of equilibrium systems
            in which a non-zero effect of the matrix of
            concentration σ is possible. Equations for systems with
            a certain number of phases are given, and then considerations
Card 1/3   of the problems of diagram topology for equilibrium of

Phase Diagrams of Thermodynamic Systems With a Non-Maximum   76-32-3-17/43
Rank   of the Concentration Matrix

these systems, with the use of a given position matrix
that is denoted as an expanded position matrix, are
explained. From the derivation of hypercommodic systens
with a non-maximum rank of the concentration matrix it follows
that by the degeneration of the hypercommodes, a contract
boundary of the separating domains is attained, where this
region of boundary contacts is considered as a
characteristic domain. Some examples of characteristic
domains for equilibrium diagrams of three-component and
four-component systems are given, where the concentration
matrices and the diagrams of isobars are given. The
hyperconnodes on the diagram P, T, X_1 represent simplexes
with the magnitude $1 = r-1-\mathcal{H}-\sigma$, where for the case
$\mathcal{H} + \sigma > 0$ (the characteristic domain) the simplexes
appear degenerate. In the conclusion, it is emphasized that
the study of the hyperconnodes may facilitate further
investigations of the systems with $\sigma > 0$ and of the
processes occurring in them, where systems of a non-maximum
rank   can also be investigated.

Card 2/3

Phase Diagrams of Thermodynamic Systems With a Non-   76-32-3-17/43
Maximum Rank of the Concentration Matrix

There are 4 figures and 7 references, 7 of which are
Soviet

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo,
Khar'kovskiy politekhnicheskiy institut im. V. I. Lenina
(Khar'kov State University imeni A. M. Gor'kiy,
Khar'kov Polytechnic Institute imeni V. I. Lenin)

SUBMITTED: November 12, 1956

Card 3/3

ZORIN, V.

      On the air routes of English. Grazhd. av. 22 no.6:24 Je '65.

                                   (MIRA 18:6)

ZORIN, V.S., red.; PLETNEV, E.P., red.; YUDANOV, Yu.I., red.;
        YEROKHOVA, Ye.A., tekhn. red.

["Common Market" is a tool of monopolies] "Obshchii rynok" -
orudie monopolii. Pod red. V.S.Zorina i E.P.Pletneva. Mo-
skva, Izd-vo IMO, 1963. 387 p.   (MIRA 16:6)

1. Moscow. Institut mezhdunarodnykh otnoshenir.
        (European Economic Community)
        (Europe, Western--Trusts, Industrial)