

GOSCHY, Bela, dr.; ORI, Sandor

Examination of the prefabricated reinforced concrete hall frames during the various periods of construction. Magy ep ipar 11 no.10:480-482 '62.

ORI, ZS.

"Trouble and Distortion in the Radio Set", p. 266 (RADIOTECHNIKA, Vol. 2, no. 12, Dec. 1953, Budapest, Hungary).

Source: Monthly List of East European Acquisitions, LC, Vol. 2, no. 5, May 1954/Uncl.

ORIAN, Ion

Active support of Rumanian workers in order to increase their professional qualifications. Munca sindic 6 no.11:12-15 N '62.

1. Presedinte al comitetului sindicatului de la uzina "Independenta", Sibiu.

5(2),5(4)

507/74-28 1-3/5

AUTHOR:

Oriani, R. A.

TITLE:

A Survey of Theoretical Models for Primary Solid Metallic  
Solutions (Rassuzhneniye teoreticheskikh modeley dlya  
pervichnykh tverdykh metallicheskhkh rastvorov)

PERIODICAL:

Uspekhi khimii, 1959, Vol 28, Nr 1, pp 44-62 (USSR)

ABSTRACT:

This is a translation from the English of the article mentioned  
in the title, published in the periodical Phys. and Chem.  
Solids, Nr 2, pp 327 (1957). (Translator A. A. Vecher, Editor  
Ya. I. Gerasimov). Translators' Supplement  
Thermodynamic properties of binary metallic systems (bibliography)  
The enclosed bibliography lists the papers published  
approximately until the end of the first half of 1958. These  
papers contain the following methods applied in the study of  
thermodynamic properties of alloys: electromotive force,  
steam pressure, equilibrium constants and coefficients of  
distribution. Good descriptions of these methods can be found  
in the following books translated into Russian:  
O. Kubashevskiy, E. Evans, Termokhimiya v metallurgii,  
IL, Moscow, 1954; K. Vagner, Termodinamika splavov,  
Metallurgizdat, 1957. According to the opinion of the

Card 1/2

A Survey of Theoretical Models for  
Primary Solid Metallic Solutions

SOV/74-28-1-3/5

translator the electromotive force method is more comfortable and simpler in execution than the others even though it seems a little extensive. In the supplementary bibliography the systems are listed in alphabetical order. A total of 190 studies are being dealt with, 22 of which are in Russian. There are 1 figure, 10 tables, and 49 references.

Card 2/2

STEPANOV, B.I.; CRIBKOVSKIY, V.P.

Use of the luminescent spectroscopic characteristics of a substance  
in determining the possibility for the inversion population of levels.  
Izv. AN SSSR. Ser. fiz. 29 no.8:1335-1339 '65.

(MIRA 18:8)

KORCHEV, F.A., RIDNEV, V.I.

Radio-optical multibeam interferometer with diffraction mirrors  
on thin dielectric films. Radiotekhnika i elektronika no. 4-757.  
768 Ap '65. (MIRA 18:5)

ORIENT, O.J.

Average energy, average velocity and mean free path of slow electrons in helium and argon. Acta phys Hung 17 no.3:387-393 '64.

1. Department of Atomic Physics, Polytechnical University, Budapest.



ORIENT, OTT.

Distr:  $^{40}\text{K} / ^{40}\text{K}$

Study of the counting characteristics of Geiger-Müller counters. *Ott. Orient. Magyar Tudományi Akad. Közlem. Fiz. Kulcs Tiszteletos Közleményei 3, 98-110(1955).*

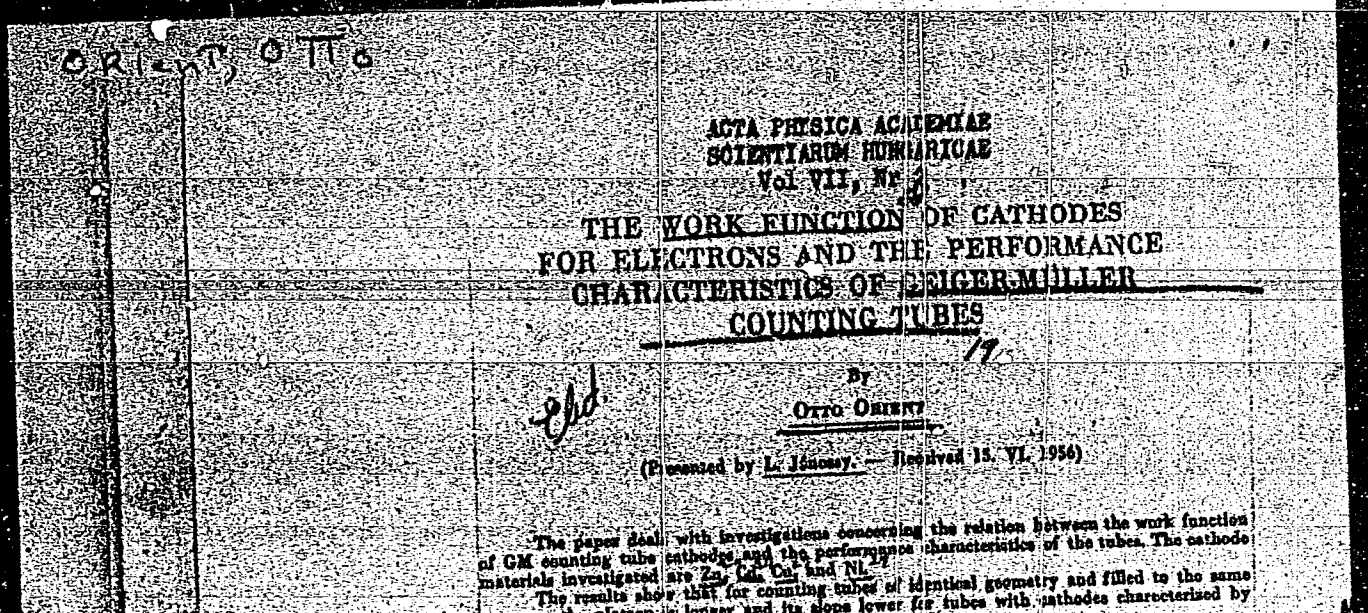
The influence of filling and quenching gas and anode thickness upon the characteristics of the counters was studied. The pressure of the filling gas, Ar, was varied from 50 to 700 mm. Hg; with const. pressure of the quenching gas, EtBr, of 5 mm. The thickness of the anode, a filament of W, was varied from 0.03 to 0.18 mm. Up to a pressure of 800 mm. the best plateau is obtained for a filament diam. of 0.12 mm. With increased pressure the length of the plateau increases for decreasing filament diam. At a pressure higher than 500 mm. of Ar, the plateau is the longest for the anode of the smallest diam., but even for this condition it is short and not too flat.

E. Rona

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HUNGARY/Nuclear Physics - Installations and Instruments. Methods of Measurement and Research C-2

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 226

Author : Orient Otto

Inst : -

Title : Work Function of Electrons and Properties of Geiger-Mueller Counters

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato int. kozl., 1957, 5, No 3, 379-389

Abstract : An investigation was made of the work function of the material used in the cathodes of self-quenching Geiger-Mueller counters on their action. Cathodes of zinc, cadmium, copper, and nickel were investigated. It turns out that in tubes using cathodes of materials with greater work functions (for identical geometry and identical pressure) the length

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238  
the case of tubes with cathodes made of materials with a smaller work function. The number of ions in the tube

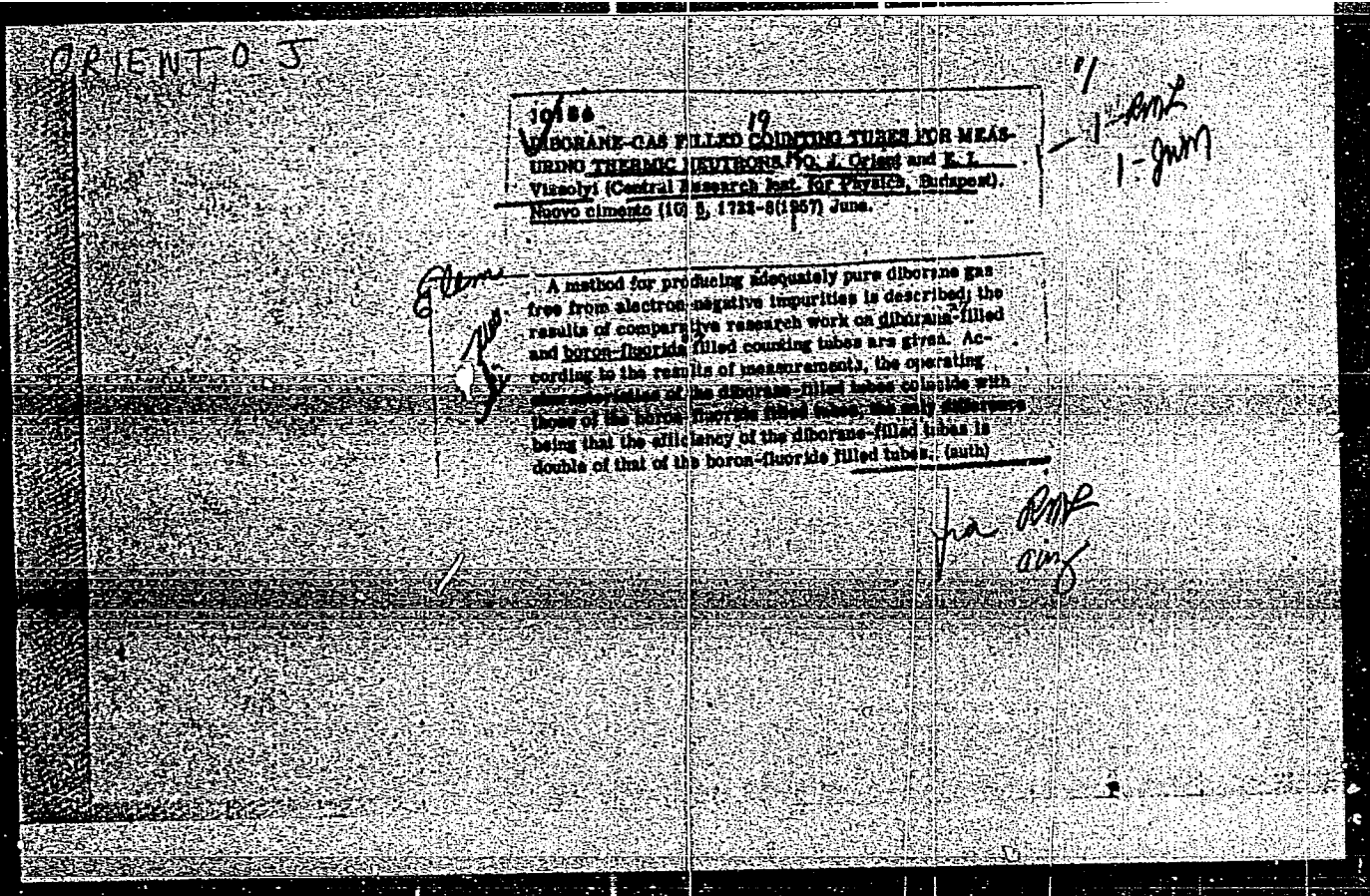
Card : 1/2

ORIENT, O.

71

Phenomenon of fatigue on the cathode of self-quenching  
 Geiger tubes. <sup>4</sup> Ostó Orient. Magyar Tudományos Akad.  
 Közlöni Fiz. ~~Értesítő~~ Közleményei 5, 577-81  
 (1957).—Work function and operational data (plateau  
 length, plateau slope) of Cu and Ni cathode counting  
 tubes have been studied after prolonged operation (fatigue).  
 The phenomenon of fatigue occurs in self-quenching coun-  
 ters in prolonged operations not only in the gas mixture but  
 on the cathode too. The work function of the counting  
 tube increases at first rapidly with the no. of counts, sub-  
 sequently the rate of increase is reduced. The counting  
 tube characteristics (plateau length and slope) are affected  
 by the change in work function. John R. ~~Reber~~

JK



HUNGARY/Nuclear Physics - Installations and Instruments. Methods of Measurement and Research C-2

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 17353

Author : Orient Otto  
Inst : Kozponti Fizikai Kutató Intézet, Budapest  
Title : Work Function of Electrons and Properties of Geiger-Mueller Counters

Orig Pub : Magyar fiz. folyóirat, 1957, 5, No 5, 395-403

Abstract : An investigation was made of the influence of the work function of electrons from the material of the cathode of self-quenching Geiger-Mueller counters on their parameters. Cathodes of zinc, cadmium, copper, and nickel were investigated. If the filler and the geometry are the same, counters with cathodes having a larger work function have a longer plateau and a smaller slope than counters with cathodes having a smaller work function. In counters with different cathodes, for identical overvoltages, the quantity of electricity per discharge are approximately the same. This indicates that the number of formed ions is independent of the material of the cathode.

Card : 1/1

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HUNGARY/Nuclear Physics - Installations and Instruments. Methods of Measurement and Research 3-2

Abs Jour : Raf Zhur - Fizika, No 2, 1959, No 2622

Author : Orient Otto

Inst :

Title : Fatigue of Cathodes of Self-Quenching Geiger-Mueller Counter:

Orig Pub : Magyar tud. akad. Közp. fiz. kutató, int. közl., 1959, 5, No 6, 577-581, IV-V

Abstract : An investigation was made of the work function and of the operational data (length and slope of the plateau) with copper and nickel cathode after prolonged operation (fatigue). The results of the investigations have shown that both the gas mixture and the cathode exhibit fatigue in prolonged operation. The work function of the tube increases first strongly with increasing of fatigue, and then more weakly. As a result of the fatigue, the work function influences the parameters of the counter such as the length and slope of the plateau. V.I. Lend'yei

Card : 1/1

ORIENT, OTTO

✓ Investigation of multiple discharge mechanism of self-  
 quenching counter tubes. Otto Orient. *Mayer* *Inde-*  
*stry* *Abstr. Kolloid. Chem. 1938, 12, 100-101 (1938)*  
 6, 556-54(1938).—The cathode of the Geiger tube in-  
 vestigated was a highly polished and purified Ni cylinder  
 20 mm. in diam., and the anode was a 0.1-mm. W fila-  
 ment, of 80-mm. effective length. The impulses were ob-  
 served on an oscillograph. The tube was either filled with a  
 self-quenching vapor, EtOH, or a mixt. of 15 mm. Hg EtOH  
 and 100-300 mm. Ar. The pulses were analyzed before  
 and after regeneration. The large pulses generate at the  
 cathode and the small multiple pulses are produced in the  
 gas phase, and are probably due to the decompos. of the  
 metastable Ar atoms, which remain after the dead time.  
 E. Rose

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HUNGARY/Nuclear Physics - Installation and Instruments -  
Methods of Measurement and Research

Abs Jour : Rel' Zhur Fizika, No 4, 1961, 1011

Author : Orient, O.

Inst : Central Research Institute of Physics, Budapest, Hungary

Title : Fatigue Effects on the Cathode of Self-Quenching GM  
Counters

Orig Pub : Acta phys. Acad. Scient. Hung., 1959, 9, No 3, 343-349

Abstract : A study was made of the variation of the operating charac-  
teristic of self-quenching GM counters with cathodes made  
of nickel and copper, as a result of prolonged operation.  
Two pairs of identical counters were prepared with catho-  
des of nickel and copper. To obtain identical filling,  
all the counters were sealed to a distributing tube,  
which was connected to a large glass vessel, and formed

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HUNGARY/Nuclear Physics - Installation and Instruments -  
Methods of Measurement and Research.

Abs Jour : Ref Zh Fizika, No 4, 1966, 246

then diminished slowly. The slope of the plateau diminishes sharply during the start of the irradiation, and then increases somewhat. During the same time, the characteristics of the control counters remained almost constant. Only a slight reduction in the length and an increase in the slope of the plateau were observed, due to the aging of the gas mixture as a result of the irradiation. The results for counters with nickel and copper cathodes are identical. The increase in the work function for the nickel cathode material is apparently explained by structural changes in the cathode surface, due to the bombardment by positive ions and protons. --  
L.I. Sokolov

Card 3/3

ORIENT, O.

Measurement of <sup>14</sup>C with a gas counter. Ferenc Dutka, Otto Orient, and Dersó Gál (Izotóp Lab., Budapest, Hung.). *Magyar Kém. Folyóirat* 65, 328-9 (1959).—A method is described for the measurement of

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radioactive C<sup>14</sup> in a Geiger counter. The C<sup>14</sup> is introduced into the counter in the form of CO<sub>2</sub> after liberation from BaCO<sub>3</sub>. The discharge is quenched by addn. of EtOH and by use of an external quenching circuit (Neher-Harper). The plateau obtained is 240 v. long and the slope is less than 0.5%. The background of the unprotected counting tube is of the order of 50 counts/min. and the memory effect is negligible. Ernest J. Breda

Am

DEZSI, Istvan; ERDELYSZKY, Zsigmond; NAGY, Lajos; ORIENT, Otto

Danys type spectrometer with semicircular focusing. Koz fiz kozl MTA  
8 no.2/3:173-179 '60. (EEAI 10:4)

1. A Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezete (for Dezsi).
2. Muszaki Egyetem Atomfizikai Tanszek (for Erdelyszky)
3. Muszaki Egyetem, Fizikai Intezet (for Nagy).
4. Kozponti Elelmszeripari Kutato Intezet (for Orient)  
(Spectrometer)

KAFFKA, Karoly; ORIENT, Otto

Application of radioactive absorption methods in measurement and control tasks in the food industry. Elelm ipar no.10: 289-293 0 '60.

1. Kozponti Elelmiszeripari Kutato Intezet.

DUTKA, Ferenc; ORIENT, Otto; GAL, Dezso

Measuring radioactive carbon ( $C^{14}$ ) by gas counter. Magyar kem  
folyoir 65 no. 8:328-329 Ag '59.

1. Magyar Tudomanyos Akademia Talatani es Agrochemiai  
Kutato Intezete Izotop Laboratoriuma, Budapest.

RUSAKOV, G.K., kand. sel'khoz. nauk; MILYAVSKIY, I.O., kand. sel'khoz. nauk; SHILKO, V.P., kand. sel'khoz. nauk; MARTINENAS, A.N.; BELINSKIY, A.I., agr.-ekonom.; KARPUSHENKO, A.I., agr.-ekon. [deceased]; POSMITNYY, V.M., ekonom.; PANCHENKO, Ya.I., agr.-ekonom.; KVACHEV, V.M., agr.-ekonom.; SOBOLENKO, V.S.; KRAVTSOV, D.S., agronom.; LYSOV, V.F., ekonom.; SHLYAKHTIN, V.I., kand. ekon. nauk; TSYBUL'KO, F.Ye.; ORIKHOVSKIY, I.G., agr.-ekonom.; TATUR'EVICH, N.M., agr.-ekonom.; GARMASH, I.I.; NOSACHENKO, V.F., inzh.-ekonom.; MUKHMISULLIN, Sh.M., agr.-ekonom.; KOZENTSVAYG, A.L., agr.-ekonom.; BERLIN, M.Z., dots.; IVANOV, K.I., agr.-ekonom.; SILIN, A.G., ekonom.; LIKHOT, I.K.; CHANOV, G.I., kand. ekon. nauk; MIKHAYLOV, M.V., kand. ekon. nauk; GORELIK, L.Ya., red.

[Planning and economical operation on collective farms]  
Planirovaniye i rezhim ekonomii v kolkhozakh. Moskva,  
Ekonomika, 1965. 258 p. (MIRA 18:5)

1. Zaveduyushchiy otdelom ekonomiki i organizatsii kolkhoznogo proizvodstva Nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva Litovskoy SSR (for Martinenas). 2. Zaveduyushchiy otdelom Stavropol'skogo krayevogo komiteta KPSS (for Likhhot).

TEACH, A.I., glavnyy sanitarnyy vrach.; ORIMOVICH, G.I., kand. med. nauk.

Importance of the sanitary and epidemiological council in the general operation of a sanitary and epidemiological station, Gig. i san. Zh. no. 12:54-56 D '58. (MIRA 12:1)

1. Iz Moskovskoy rayonnoy sanitarno-epidemiologicheskoy stantsii Lenin-grad.

(SANITATION

in Russia, sanit. epidemiol. stations (Rus))

(EPIDEMIOLOGY

same)



ORINICH, N. Ya.

Tree Planting

Progressive workers of the Kamyshin shelterbelt station; Les i step' 4 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May <sup>1952</sup>~~1953~~, Uncl.

1. ORINICH, N. Ya.
2. USSR (600)
4. Pine
7. Chalk pine (*Pinus sylvestris* var. *cretacea*) and its role in shelterbelt forestry. Les.khoz. 6, No. 3, 1953.

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

BREUS, O.M., inzh.; TILLES, S.A., kand.tekhn.nauk; ORINICHEV, K.P., inzh.

"Economic control of the operation of a machinery plant" by A.P. Aleksandrovskii. Reviewed by O.M.Breus, S.A.Tilles. *Vest.mash.* 41 no.7:89-90 J1 '61. (MIRA 14:6)  
(Industrial management) (Aleksandrovskii, A.P.)



ACC NR: AP6035654 (A) SOURCE CODE: UR/0133/66/000/011/1028/1029

AUTHOR: Kazarnovskiy, D. S. (Professor, Doctor of technical sciences);  
 Gunin, I. V. (Candidate of technical sciences); Krivonozov, Yu. I.  
 (Candidate of technical sciences); Kravtsova I. P. (Candidate of technical sciences); Saprygin, Kh. M. (Candidate of technical sciences);  
 Arshavskiy, V. Z. (Candidate of technical sciences); Chetverikov, A. V.  
 (Engineer); Mogilevskiy, I. I. (Engineer); Orinichev, S. I. (Engineer)

ORG: none

TITLE: Production technology for high-strength rails

SOURCE: Stal', no. 11, 1966, 1028-1029

TOPIC TAGS: high strength steel, metal cladding, railway track, bimetal, hot rolling/M75X steel, G13 steel, Rk5 steel, St.5 steel

ABSTRACT: An investigation had been made to develop a process for producing bimetallic rails, i.e. rails with a high-strength steel head. St.5 steel billets clad with M75X, G13, or Rk5 alloy steels were hot-rolled into 100 x 150 mm bars which, after reheating, were rolled into R-18 type rails. Rails with arc-deposited cladding had the highest bond strength and the most satisfactory surface quality. With M75X or Rk5-steel cladding, satisfactory results were obtained with cast composite

Card 1/2 UDC: 621.771.26

ACC NR: AP6035654

or pack-rolled billets. Rails with G13 steel cladding as unsatisfactory properties. Orig. art. has: 3 figures.

SUB CODE: 13/      SUBM DATE: none

Card 2/2

ORINICHEV, V.I.

Experimental investigation of the process of carbon steel wire  
drawing on a high-speed direct flow machine. Stal' 23 no.6:  
567-568 Je '63. (MIRA 16:10)

1. Khartsyzskiy staleprovolochno-kanatnyy zavod.

ORININSKIY, N.V.

12  
1-4E2C  
1-12

~~Portland cement clinker from switched molten blast  
furnace slag. N. V. Orininskiy, V. N. Stepanov, I. M.  
Ben'yaminovich, P. A. Khutavich, I. B. Buzhik, A. S.  
Naumenko, L. N. Sadikov, N. N. Bervain, P. M. Zubkov  
and E. K. Masgar, U.S.S.R. 106,149; July 26, 1957.  
Limestone is added to molten slag. To insure thorough  
disintegration of the limestone particles and its mixing with  
the melt, the melt is treated with ultrasonic waves.  
M. Hosh~~



GENERAL KEY, R.7.2, Index  
Y.1.2.1, Index

Technology of the United States  
Gen. Univ. of the United States  
1.3.

ORINOVSKIY, B.M., klinicheskiy ordinator

Use of electrophoretic method in studying protein groups of blood serum in the surgical clinic. Uch. zap. GMI no.8:66-70 '59.  
(MIRA 14:9)

1. Iz kafedry fakul'tetskoy khirurgii (ispolnyayushchiy obyazannosti zaveduyushchego kafedroy - doktor med.nauk S.A.Zarubin).  
(ELECTROPHORESIS) (BLOOD PROTEINS)

CHERVINSKIY, K.A.; ORINYANSKIY, A.M.

Oxidation of cetane at high temperatures. *Khim.i tekhn.topl.i masel* 6  
no.6:15-16 Je '61. (MIRA 14:7)

1. Dnepropetrovskiy khimiko-tekhnologicheskii institut.  
(Hexadecane) (Oxidation)

ORIONOV, A.A.

Processing wastes from hot galvanizing. TSvet.met. 28 no.5:43-50  
S-0 '55. (MIRA 10:10)

1.Gintsvetmet. (Zinc--Metallurgy)

LEYZEROVICH, G. Ya.; ORIONOV, A.A.

Preparation of uniform dry granules from moist concentrates.  
Sbor. nauch. trud. GINTSVETMET no.15:310-318 '59. (MIRA 14:4)  
(Sintering)

S/137/63/000/001/003/019  
AC06/A101

AUTHORS: Pyzhov, V. S., Orionov, A. A.

TITLE: The effect of individual parameters upon the rounding-off process and the granulometric composition of rounded-off lumps

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1963, 7, abstract 1048 ("Sb. nauchn. tr. Gos. n.-i. in-t tsvetn. met.", 1961, no. 18, 307 - 315)

TEXT: To establish the effect of various factors (the inclination angle of the bowl, the rim height, the rotation speed of the bowl, etc) upon the rounding-off process, experiments were made on a large-scale continuous laboratory unit of 1,000 kg/day efficiency. The tests were made with a CYM3 (SUMZ) Cu-Zn concentrate sample, containing in %: Cu 8.86, Zn 7.19, Fe 26.69, S<sub>total</sub> 36.10, S<sub>SO<sub>4</sub></sub> 0.6, SiO<sub>2</sub> 4.10, CaO 1.0, MgO 1.30, Al<sub>2</sub>O<sub>3</sub> 1.17, CO<sub>2</sub> 0.9. The optimum parameters for the process of rounding-off the Cu-Zn concentrate were established: peripheral speed at the bowl rim of any diameter: 0.9 - 1.1 m/sec;

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S/137/63/000/001/003/019  
A006/A101

The effect of individual parameters upon the...

height of the bowl rim  $H = 0.115 D$ , where  $H$  is the rim height in meters,  $D$  is the bowl diameter in meters; the inclination angle of the bowl is  $40 - 42^\circ$ ; the moisture of the material prior to granulation is  $9.5 - 10.5\%$ . Changes in the inclination angle or the rim height of the bowl entail changes in the granulometric composition and density of the rounded-off lumps. Optimum duration of rounding-off Cu-Zn-concentrate is  $10 - 12$  min. It was established by calculations that the material weight on the bowl in operational condition will be  $2,600$  kg for a granulator of  $4.2$  m in diameter.

A. Shmeleva

[Abstracter's note: Complete translation]

Card 2/2

ORIONOV, A.A.; PYZHOV, V.S.

Granulation of copper-zinc concentrates and charge mixtures  
at the Central-Ural Copper Smeltery. Sbor. nauch. trud.  
Gintsvetmeta no.18:316-320 '61. (MIRA 16:7)

(Ural Mountains- Copper-Metallurgy)  
(Ore processing)



BERKMAN, N.S.; ORIONOV, A.A.; SEREBRENNIKOVA, Ye.Ya.; Prinsipali uchastiye:  
SYRISOVA, V.N.; KUZNETSOVA, Ye.S.

Granulation and fluidized bed roasting of copper charge mixtures  
at the Alaverdi Combine. Sboe. nauch. trud. Gintsvetmeta no.18:  
321-327 '61. (MIRA 16:7)

(Alaverdi—Copper industry)  
(Ore dressing)

ZABEREZHNYI, I.I.; ORIONOV, A.A.; PYZHOV, V.S.

Drying granulated copper charge mixture in a fluidized bed.

Sbor. nauch. trud. Gintsvetmeta no.19:475-483 '62. (MIRA 16:7)

(Copper—Metallurgy)  
(Fluidization)

ORIONOV, A.A.

Developing a flow sheet for granulation and drying in  
a fluidized bed for the electric smelting of Izhezkazgan  
concentrates. Sbor. nauch. trud. Chtsvetmeta no.23:  
87-95 '65. (MIFA 18:12)

ORIONOV, M.

Medals for participants in the All-Union Agricultural Exhibition.  
Prom.koop. no.4:37 Ap'55. (MIRA 8:11)  
(Rewards (Prizes, etc.))

ORINOVSKIY, B.M.

State of clinical development following surgery for disease  
of the stomach and duodenum. Frunzita 30 no. 85-87 on 1974.

1. Is it fairly likely that a ...  
Gorka ...

ORIOS, H.

Endangering young poplar plantations by parastic fungi. p. 6.

LAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland, Vol. 32, no. 13/14, July 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.

ОРИОВ, Н.

Methodological aid for specialists engaged in teaching. Prof.-tekh.  
obr. 15 no.3:11-13 Mr '58. (MIRA 11:3)

1. Zaveduyushchiy Khar'kovskim oblastnym uchebno-metodicheskim  
kabinetom.

(Technical education)

SULYOK, Sarolta, dr.; ORIOVICS, Jozsef, dr.; ERDOSI, Ferenc, dr.;  
CZCIZEL, Endre, dr.

Our experiences with the immunological pregnancy test. Orv.  
hetil. 104 no.51:2428-2429 22 D '63.

1. Orszagos Kozegeszegugyi Intezet, Korelettani Osztaly es  
Orvostovabbkepzo Intezet, I Szuleszet-Nogyogyaszati Tanszek.  
(PREGNANCY TESTS)  
(HEMAGGLUTINATION INHIBITION TESTS)  
(URINE) (GONADOTROPINS, CHORIONIC)



SERGEYEV, N.; RIDER, V.A.; CRIPOV, Kh.; BRUNNER, Yu.N.; MANGUSH, Kh.;  
ORLOVA, A.S.; SHCHERBAKOVSKIY, N.N.; LESHCHINSKIY, N.S.;  
VOYAKOVSKAYA, Ye.S.; DERYABIN, V.I.

Letters to the editor. Zashch. rast. ot vred. i bol. 6 no.5:44-45  
My '61. (MIRA 15:6)

1. Inspektor po karantimu rasteniy g.Labinsk, Krasnodarskogo kraya (for Sergeyev).
  2. Zaveduyushchiy Primorskim gosudarstvennym sortoispytatel'skim uchastkom Stalinskoy oblasti (for Mangush).
  3. Agronom po zashchite rasteniy Shchelkovskogo rayona, Moskovskoy obl. (for Orlova).
  4. Zaveduyushchiy Aleksandrovskim nablyudatel'nyim punktom, Kirovogradskaya obl. (for Shcherbakovskiy).
  5. Inspektor po karantimu rasteniy, g. Pyatigorsk, Stavropol'skogo kraya (for Leshchinskiy).
  6. Agronom po zashchite rasteniy g. Kamenets-Podol'skiy, Khmel'nitskoy oblasti (for Voyakovskaya).
- (Plants, Protection of)

ORIPOV, M.

Aerosol generator mounted on a tractor. Zashch. rast. ot vred.  
1 bol. 8 no.4:31-32 Ap '63. (MIRA 16:10)

1. Starshiy inzh. Leniabadskoy stantsii zashchity rasteniy.  
(Spraying and dusting equipment)

ORIPOV, M.

Centralized preparation of the lime-sulfur spraying liquid.  
Zashch. rast. ot vred. i bol. 10 no.12:34 '65.

(MIRA 19:1)

1. Nachal'nik Leninabadskogo otryada zashchity rasteniy.

ORISHCHENKO, A.D.

Recent developments in the control of the ground beetle *Zabrus  
tenebrioides*. Zashch. rast. ot vred. i bol. 3 no.1:34-35 Ja-P '58.  
(MIRA 11:3)

1. Nachal'nik Dagestanskoy ekspeditsii.  
(Grain-Diseases and pests) (Ground beetles)

ORISHCHENKO, A.D., agronom po zashchite rasteniy

The ground beetle *Zabrus tenebrioides* in the Northern  
Caucasus. Zashch. rast. ot vred. i bol. 6 no.8:23  
Ag '61. (MIRA 15:12)

1. Ekspeditsiya po bor'be s massovymi vreditelyami  
Dagestanskoy ASSR, g. Khasav'yurt.  
(Caucasus, Northern—Ground beetles—Extermination)

GOLIK, A.Z.; RAVIKOVICH, S.D.; CRISHCHENKO, A.V.

Viscosity and molecular structure of solutions. Ukr.khim.zhur.17  
no.5:627-657 '51. (MLRA 9:9)

1. Institut fizicheskoy khimii AN USSR.  
(Solution (Chemistry)) (Viscosity)

ORISHCHENKO, H.V.

USSR/Physical Chemistry - Solutions. Theory of Acids and Bases. B-11

Abs Jour : Referat Zhur - Khimiya, No 6, 25 March 1957, 18673

Author : Orishchenko A.V.  
Title : Structure and Properties of Some Non-Aqueous Solutions of Electrolytes.

Orig Pub : In sb.: Structure and Physical Properties of Substances in Liquid state. Kiev. Izd-vo un-ta, 1954, 109-116

Abstract : Critical temperature, density and viscosity of solutions of LiCl and its solubility in methyl, ethyl, n-propyl and n-butyl alcohols are examined. It is shown that in critical state can be solutions of solid salts critical temperature of which exceeds many times critical temperature of the solvent. And the higher is critical temperature of solvent the narrower is the concentration region of non-saturated solutions existing in critical state. Density was determined in the whole concentration region of the existence of non-saturated solutions in the

Card 1/2

- 295 -

GOLIK, O.Z.; ORISHCHENKO, A.V.

Physical properties and structure of lithium chloride solutions in alcohols. Dop. AN URSSR no.5:331-335 '54. (MLRA 8:7)

1. Institut fizichnoi khimii im. L.V. Pisarshevs' kogo AN URSSR.  
Predstaviv diysniy chlen AN URSSR O.I. Brod'dkiy.  
(Lithium chloride) (Alcohols)



GOLIK, O.Z.; ORISHCHENKO, A.V.; ARTEMCHENKO, O.G.

"Negative" viscosity effect of nonaqueous solutions of potassium iodide.  
Dep. AN URSS no.6:453-456 '54. (MLBA 9:9)

1. Institut fizichnoi khimii imeni L.V.Pisarzhova AN URSS. Predstaviv  
diysniy chlen AN URSS O.I.Bredskiy.  
(Potassium iodide)

ORISHCHENKO, A. V.

Effect of "negative" viscosity of solution of potassium iodide in binary mixture of alcohols. A. V. Orishchenko and O. O. Artemchenko (State Univ., Kiev, U.S.S.R.). *Dokl. Akad. Nauk Ukr. R.S.S.R.* 1955, No. 4, 186-8 (Russian summary); cf. *ibid.* 453(1954). The  $\eta$  and viscosity of KI solns. in binary mixts. of EtOH, BuOH, glycol, and glycerol were detd. at 25-35°. The curves  $\eta/\eta_0$  vs. % KI for different concns. of BuOH-glycerol at 25, 30, and 50° are discussed. ( $\eta_0$  and  $\eta$  are the kinematic viscosities of the soln. and solvent, resp.). The neg. effect ( $\eta/\eta_0 < 1$ ) increases with the glycerol concn. and is higher with glycerol than with the lower alcohols; it decreases with the temp. It is thus possible to obtain a continuous transition from 0 neg. effect to its max. by changing the concn. of the solvent. Neg. viscosity is ascribed to the reaction of the ions of the solute with the solvent. I. Rencow is

Handwritten mark resembling a stylized 'A' or 'V'.

Handwritten initials 'PM' and a signature.

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ORISHCHENKO, A. V.

USSR/ Chemistry - Physical chemistry

Doc 1/1 Pub. 116 - 5/24

Authors : Golik, A. Z.; Ravikovich, S. D.; and Orishchenko, A. V.

Title : Viscosity and molecular structure of normal alcohols and their solutions

Periodical : Ukr. khim. zhur. 21/2, 167-175, 1955

Abstract : Data are presented on the density, viscosity and critical temperatures of normal alcohols and their solutions in connection with the molecular structure. It is shown that the activation energy of the viscous flow and the pre-exponential multiple factor are the functions of concentration; the activation energy increases and the pre-exponential multiple factor decreases with the increase in concentration of the component which possesses a higher critical temperature. Data regarding the critical temperatures and viscosity of binary and ternary alcohol solutions are included. Eight USSR references (1937-1952). Tables; graphs; drawing.

Institution : Acad. of Sc., Ukr. SSR, The L. V. Pisarshevskiy Inst. of Phys. Chem.

Submitted : January 29, 1954

Orishchenko, A. V.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 116 - 7/30

Authors : Golik, A. Z.; Orishchenko, A. V.; Ravikovich, S. D.; Solomko, V. P.;  
Rooshina, G. P. and Shizanskiy, Yu. I.

Title : Viscosity, density and critical temperatures of alcohol solutions in  
monocarboxylic acids

Periodical : Ukr. khim. zhur. 21/3, 318-326, June 1955

Abstract : The viscosity, density and critical temperatures of alcohol solutions were investigated in monocarboxylic acids in which the chemical esterification reaction usually takes place. The general laws governing the concentration and thermal dependence of the characteristics mentioned and the laws governing the activation energy of the viscous flow and specific volumes were established. It is shown that in the case of solutions, the components of which react intensively between themselves, and that the concentration and thermal dependences are also subject to other more complicated laws. Nine Russian and USSR references (1877-1955). Graphs.

Institution : Acad. of Sc., Ukr. SSR., The L. V. Pisarzhevskiy Inst. of Phys. Chem. and  
the T. G. Shevchenko State Univ., Kiev

Submitted : December 16, 1954

Orishchenko, A. V.

✓ Viscosities and critical temperatures of aqueous solutions of alcohols and monocarboxylic acids. A. Z. Golik, A. V. Orishchenko, S. D. Kovalyuk, G. P. Kosachina, V. F. Kuznetsov, and Yu. I. Shimanukh (T. G. Shevchenko State Univ., Kiev). *Ukrain. Khim. Zh.* 24(7): 21, 190-5 (1968) (in Russian); *J. C.A.S.* 41, 4911s. Crit. temp. varies linearly with percentage of H<sub>2</sub>O for EtOH, PrOH, and HOAc solns. For PrCO<sub>2</sub>H solns, there is a min. at 25% H<sub>2</sub>O. Viscosity-concn. curves show max. that decrease with rising temps. as H-bonded structures are broken down. Graphs are given. Graphs are also given for A and B/R in the equation  $\text{viscosity} = A \exp(B/RT)$  against percentage H<sub>2</sub>O. B/R has a max. and A a min. John H. Scott.

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ORISHCHENKO, A. V.

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~~Viscosity and critical temperature determinations of the  
 solutions of organic acids: A. V. Orishchenko, S. D. Pavlov, V. P. Polozko, and  
 V. P. Polozko, State Univ., Kiev  
 Ukrain. Khim. Zbir. 21, 876-82 (1966) (Russian); C.A. 60, 4592c. The viscosity and crit. temps. of water, EtOH, PrOH, AcOH, and butyric acid were studied. The viscosity isotherms in each system intersect in such a way that up to one concn. one isotherm lies above the other two, and at higher concn. is located below. At a given temp., different masses of the same components have the same viscosities. The no. of such isotherms reaches 5 for the water-butyric acid-propylal system. W. M. Starobina~~

*Orishchenko*

*PM*

ARTEMCHENKO, A.I.; ORISHCHENKO, A.V.

Density and structure of n-butanol solutions in glycerol. (MIRA 16:5)  
Ukr.khim.zhur. 29 no.1:52-54 '63.

1. Belotserkovskiy sel'skokhozyaystvennyy institut i Kiyevskiy  
uchebno-konsul'tatsionnyy punkt Leningradskogo instituta vodnogo  
transporta.

(Butyl alcohol) (Glycerol)

ORISHCHENKO, Ya. P., Cand of Agric Sci — (diss) "Chemical Control of Pests in Seeding  
Panic Grass in the Black Soil-Steppe Belt of the South East," Orenburg, 1959,  
15 pp (Saratov Agricultural Institute) (KL, 4-60, 121)



AYZENMAN, B.Ye. [Aizenman, B.IU.]; SHVAYGER, M.C.; MANDRIK, T.P.;  
BREDIKHINA, A.N. [Bredikhina, A.M.]; ORISHCHUK, L.F. [Oryshchuk, L.F.];  
KOLESOVA, E.A. [Kolesova G.A.]; MISHENKOVA, Ye.L. [Mishenkova, Ye.L.];  
GALKINA, T.A. [Halkina, T.G.]; ZAKHAROVA, E.Ya.; RASHBA, Ye.Ya.  
[Rashba, G.IA.]; LAUSHNIK, G.M. [Laushnyk, H.M.];  
PREOBRAZHENSKAYA, N.Ye. [Preobrazhens'ka, N.IU.]

Effect of substances of bacterial origin on Ehrlich's carcinoma.  
Mikrobiol. zhur. 27 no.6:61-67 '65. (MI) 1965

1. Institut mikrobiologii i virusologii AN UkrSSR.

~~OMISKO, Istvan~~

Utilisation of psychology in the practice of socialist society. Magyar pszichol szemle 17 no.4:435-445 '60.

1. Gyogypedagogiai Tanarkepzo Foiskola.

011540711

CZECHOSLOVAKIA/Human and Animal Physiology - Blood  
Circulation.

V-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4020  
Author : J. Duchon', K. Feriencik, Z. Lejdar, M. Oriskoya  
Inst : -  
Title : The So-Called Juvenile Hypertension.  
Orig Pub : Lekar. obzor, 1957, 6, No 5, 298-305  
Abstract : No abstract.

Card 1/1

ORIGIN, etc.

Anti-matter interference on X-ray spectroscopy. *Can. J. Phys.* 1963, 41, 13-14.

ACCESSION NR: AP1033624

8/0032/64/030/004/0508/0509

AUTHOR: Oriyent, I.

TITLE: Polish exhibition of laboratory apparatus

SOURCE: Zavodskaya laboratoriya, v. 30, no. 4, 1964, 508-509

TOPIC TAGS: gamma thickness gauge, rolled sheet thickness, reflection thickness gauge MJR 1, tubing thickness, thickness measurement

ABSTRACT: A gamma-thickness gauge measures the thickness of cold- or hot-rolled sheet up to 800-10000 at speeds up to 10 m/sec. A variety of sources allows measurements from 0.8 to 15 mm with an accuracy of 0.05 mm. A transistorized reflection thickness gauge MJR-1 measures the thickness of tubing or other products of which only one side is accessible. Gamma rays from a Co-60 source pass through the product being measured. Some of the gamma rays are reflected and produce scintillations in a NaI/Tl crystal. The resulting signal generated by a 12-stage photomultiplier is then amplified and recorded. The measurement ranges are 0-6, 5-18 mm for soft steel with an accuracy of 10%.

Card 1/2

ORNYAN, I.

Problems in analytic geometry discussed at the Twelfth  
International Congress on Theoretical and Applied Mechanics.  
Zuv.lab. no.10:192-193. 1968.

(U.S.A. 1968)

ORIYENT, I.M.

All-Union Conference on Nondestructive Methods of Control. Zav.  
lab. 29 no.10:1277-1278 '63. (MIRA 16:12)

ORIZARSKI, Ivan, inzh.

Particle boards in the making and repair of transportation means.  
. urvomebel prom 5 no.2:28-30 Mr-Ap '62.

1. Nauchnoissledovatel'ski institut po transporta.



TOTH, Geza, a kemiai tudományok doktora; ORKENYI, Janos, dr.

Tensile strength studies in leather fibers by acoustic investigations. Bor cipo 10 no.1:1-4 Ja '60.

1. Pesci Borgyar.

ORKENYI, Janos, dr.; VAMBERI, Gyorgy, dr.

Remarks about Dr. Istvan K... article entitled "Certain questions relating to the calculation of average income." Munka szemle 5 no.2: 27-32 p. '61.

1. Ozdi Kohaszati Uzemek (for Orkenyi). 2. Toker Tuzeloanyagkereskedelmi Vallalat, Budapest (for Vamberi).

DATA 4. Data 4 consists of commonly known data; 1931NYI, 1931NYI, Kromernsk

and data 4 consists of data with vertical scale support. In 1931-  
1932, aluminum electrolyzers. Kohlap 1931: 1931-1932 '68

ERNST, E.; TIGYI, J.; ~~ORKENYI, J.~~

Frequency and time relationships in muscle volume decrease. Acta physiol.  
hung. 2 no.3-4:281-291 1951. (CIBL 22:1)

1. Of the Institute of Biophysics of Pecs University.

ORKENYI, JOZSEF.

A teljesitmeny novelese a teherautofuvarozasban. Budapest,  
Kozlekedesi Kiado, 1953. 48 p. (Korszeru technika) (Increased  
productivity in trucking. bibl.)

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 8, August 1956.

ORKENYI, Jozsef

Workshop news. Koh lap 93 no.11:523 N '60.

GYORI, Jozsef; ORKENYI, Jozsef

Thermochemical treatment of automobile parts by means of diffusion chromium plating. Auto motor 16 no.9:8 6 My '63.

PILISSY, Lajos, dr., okleveles kohászati mérnök; ORKENYI, József, okleveles  
kohászati mérnök

New ways of developing cathode construction and cathode  
coal research. Koh lap 96 no.5:211-215 My '63.

1. Fémipari Kutató Intézet.
2. "Kohászati Lapok" szerkesztő bizottsági tagja (for Pilissy).



PILISSY, Lajos, dr., okleveles kohászati mérnök; ORKÉNYI, József, okleveles kohászati mérnök

Measuring method for compressive forces of cathode coals. Kohlap 96 no.12:552-554 D '63.

1. Fémipari Kutató Intézet. 2. "Kohászati Lapok" szerkesztője (for Pilissy).

L 16569-66 ETC(f)/ENG(m)/T/EMP(t) IJP(c) DS/JD

ACC NR: AP6008902

SOURCE CODE: HU/0014/65/098/001/0009/0013

AUTHOR: Balass, Endre (Doctor; Candidate of technical sciences); Orkenyi, Jozsef  
(Metallurgical engineer)

ORG: none

TITLE: Condition of the anode with vertical spike current input in aluminum-<sup>45</sup>  
electrolysis tanks <sub>B</sub>

SOURCE: Kohászati lapok, v. 98, no. 1, 1965, 9-13

TOPIC TAGS: electrolysis, aluminum, electrode, electrode potential, temperature  
dependance, electric current

ABSTRACT: Laboratory tests were conducted to investigate the spread of voltage drop values in aluminum-electrolysis anodes equipped with vertical spike current input. It was established that the absolute value of the potential drop and also the spread of the individual values is significantly influenced by the temperature and anode quality. Of especial importance are the volatile-matter content of the anode and the temperature at which it was heat-treated during manufacture. The spread of voltage drop could be decreased by decreasing the temperatures employed in manufacture, employing lower currents during electrolysis, and reducing the binder content in the anode mass. Orig. art. has: 4 figures and

Card 1/2

UDC: 669.71:621.3.035/36.6.001.4 <sub>2</sub>

L 16569-66

ACC NR: AP6008902

5 tables. [JPRS]

SUB CODE: 06, 09 / SUBM DATE: none / ORIG REF: 003 / SOV REF: 001

Card 2/2 SM

L 16496-66 EWP(\*) WW/WR

ACC NR: AP6008573

SOURCE CODE: HU/0014/65/09R/006/0257/0259

AUTHOR: Orkenyi, Jozsef (Graduate metallurgical engineer); Pocze, Jozsef  
(Electrical engineer)

ORG: none

TITLE: Measurement of the specific resistivity of carbonaceous materials as a function of temperature

SOURCE: Kohaszati lapok, v. 98, no. 6, 1965, 257-259

TOPIC TAGS: resistivity, carbon product, graphite, test chamber, heat effect

ABSTRACT: A device was described for the determination of specific resistivity in carbonaceous materials at various temperatures eliminating the effects of inflammation of any evolved gases, changes in porosity, and other secondary effects of coking. The principal feature of the device is a test chamber one side of which is equipped with a piston and plunger. The performance and operation of the device was described and results were presented to illustrate the temperature vs. specific resistivity curves of cathode carbon, graphitic compounds, and carbon powders. Generally, the specific resistivities of carbonaceous substances rapidly decreased as the temperature increased. Orig. art. has: 2 figures and 3 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 001  
Card 1/1 SM UDC: 621.3.036:621.3.08

43  
5

Instruments and Equipment

HUNGARY

TOROK, Bela, ~~ORKENYI, Janos~~, PAPP, Istvan, TOTH, Imre; Medical University of Pecs, Institute of Surgical Anatomy and Operation Technique (Pecs: Orvostudományi Egyetem, Sebészeti Anatómiai és Műtéttani Intézet).

"Measurement of the Fibrillational Threshold by Means of a Simple Electronic Installation."

Budapest, Kiserletes Orvostudomány, Vol XIX, No 1, Jan 67, pages 71-73.

Abstract: [Authors' Hungarian summary] A method and instrument was developed by the authors for measurement of the fibrillational threshold. The supplementary electronic unit is attached to the grid of the final stage of a cardotester channel and the R wave appearing there serves as the eliciting stimulus. This in turn is used as the starting stimulus of a conventional stimulator. The fibrillational threshold can be measured with ease by means of this method. All 5 references are Western. [Manuscript received 23 Feb 66.]

1/1

ORKHOV, V.S.; KACHALOV, S.F., red.

[Accounting in medical institutions] Bukhgalterskii uchet v meditsinskikh uchrezhdeniakh. Moskva, M-vo zdravookhraneniia SSSR.  
No.1. 1957. 47 p. (MIRA 11:6)  
(Hospitals--Accounting)

ORKIN, Grigoriy Aleksandrovich; MYAGKOV, M.M., red ; KOROBOVA, N.D.,  
tekh. red

[Control of volunteers over the work of public dining rooms]  
Obshchestvennyi kontrol' za rabotoi stolovykh. Moskva,  
Profizdat, 1963. 77 p. (Bibliotekha profsoiuznogo aktivista,  
no.11(59)) (MIRA 16:10)  
(Trade unions--Officers) (Restaurant management)

SYROV, Venedikt Grigor'yevich; NILOV, Grigoriy Nilovich; ORKIN,  
Grigoriy Aleksandrovich; KUZNETSOVA, N.I., red.; ZAYTSEVA,  
L.A., tekhn. red.

[A volunteer controller's manual; commerce, public dining]  
Spravochnik obshchestvennogo kontrolera; trgovlia, obshche-  
stvennoe pitanie. Moskva, Profizdat, 1963. 238 p.  
(MIRA 16:6)

(Retail trade--Auditing and inspection)  
(Restaurants, lunchrooms, etc.--Auditing and inspection)



L 8772-66 EWT(d) IJP(c)

ACC NR. AR5018115

SOURCE CODE: UR/0271/65/000/007/B005/B005

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 7B48

AUTHOR: <sup>44,55</sup>Orkhovskiy, R. I.

26  
B

TITLE: Solving a linear homogeneous differential equation with periodic coefficients

16, 44, 55

CITED SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 21, 1964, 147-156

TOPIC TAGS: differential equation, solving differential equation

TRANSLATION: This linear homogeneous n-th order equation is considered:

$$a_n(t) \frac{d^n x(t)}{dt^n} + a_{n-1}(t) \frac{d^{n-1} x(t)}{dt^{n-1}} + \dots + a_1(t) \frac{dx(t)}{dt} + a_0(t) x(t) = 0.$$

Its coefficients meet the following conditions: they are periodic functions having the same period T; the functions  $a_0(t)$  are continuous within an open interval  $(0; T)$ ; a limit  $\lim_{t \rightarrow 0^+} a_n(t)$  and a limit  $\lim_{t \rightarrow T^-} a_n(t)$  exist, they can be unequal, i. e., the coefficients at the points  $t = kT$  may have first-kind discontinuities; the function  $a_0(t)$  does not vanish at any point of the closed interval  $(0; T)$ . A general solution of this equation is sought by means of a lattice function of an integer argument; it can be written in the form

$$x(k; \tau) = \sum_{m=1}^n C_m(k) \cdot x_m(\tau), \quad \text{where } C_m(k) \text{ is a}$$

Card 1/2

UDC: 518.5:681.142.32.001

L 8772-66

ACC NR: AR5018115

lattice function of the integer argument  $k$ . It is noted that the above solution for any time moment  $t$  is fully determined by a fundamental system of solutions corresponding to the zero period. Use of the above method is illustrated by two examples. Bib 4.

SUB CODE: 12

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Card 2/2

L 05676-67 EWT(d) IJP(c)

ACC NR: AR6023237

SOURCE CODE: UR/0044/66/000/003/B054/B054

AUTHOR: Orkhovakiy, R. I.

21  
B

REF SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 22, 1964, 190-199

TITLE: On the solution of a linear nonhomogeneous differential equation with periodic coefficients

SOURCE: Ref. zh. Matematika, Abs. 3B298

TOPIC TAGS: ordinary differential equation, linear differential equation

TRANSLATION: A linear nonhomogeneous differential equation having periodic coefficients is studied, where the coefficients and the right side may have discontinuities of the first order at points  $t = kT$ ,  $k = 0, 1, \dots$ . To construct a solution it is proved that the solution of the initial problem for this equation at any moment of time is defined wholly by a fundamental system of solutions on a period of zero for the corresponding homogeneous equation and the partial solution of the nonhomogeneous equation. R. Guseva.

SUB CODE: 12/

SUBM DATE: none

UDC: 517.917

*ms*  
Card 1/1

ACC NR1AR6026483

SOURCE CODE: UR/0274/66/000/004/AC11/A011

AUTHOR: Orkhovskiy, R. I.

TITLE: Forced oscillations in a circuit containing a harmonically variable capacitance

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 4A73

REF SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 26, 1965, 140-154

TOPIC TAGS: forced oscillation, oscillatory circuit, electronically variable capacitor,

ABSTRACT: The forced oscillations are considered in a lossless circuit whose

capacitance varies according to  $C = \frac{C_0}{1 + m \cos \omega t}$  with a sinusoidal emf  $e = E \cos(\Omega t + \varphi)$

applied. A solution of a nonhomogeneous Mathieu equation for the charge is presented.

With  $\frac{\Omega}{\omega} = \frac{N}{M}$  ( $N$  and  $M$  are integers), the solution may be sought in the form of this

series:  $q = - \sum_{k=-\infty}^{\infty} Q_k e^{i \frac{k \Omega}{M} t}$ . Assuming that the series is absolutely converging,

values of  $Q_k$  coefficient are obtained. A. K. [Translation of abstract]

SUB CODE: 12, 09

Card 1/1

UDC: 621.372.061:538.56

L 45502-66

ACC NR: AR6013684

SOURCE CODE: UR/0058/65/000/010/H004/H004

AUTHOR: Orkhovskiy, R. I.

TITLE: On the criterion for convergence of continued fractions used in the calculation of parametric systems

SOURCE: Ref. zh. Fizika, Abs. 10Zh29

REF. SOURCE: Tr. Uchebn. in-tov svyazi, vyp. 25, 1965, 217-224

TOPIC TAGS: continued fraction, parametric equation, circuit theory, approximation convergence, eigenvalue, error

ABSTRACT: The author considers an infinite continued fraction which is used to investigate linear electric circuits with periodically varying parameters. A criterion for convergence is presented for such a fraction, and also an estimate of its value. A formula is derived for determining the error due to replacing the infinite fraction by a finite one. An example of the use of the obtained results to determine the eigenvalues of a Mathieu equation is given. [Translation of abstract]

SUB CODE: 09, 12

Card 1/1

ORKIN, K.G.; GUZ', D., redaktor; BERKOVICH, A.L., tekhredaktor.

[Detachable deep oil well pump NGM-3; construction, operating procedures, and preliminary results of use by the Central Administration of Grozny Oilfields] Vstavnoi glubokii nasos tipa NGM-3; konstruktsiia nasosa, provila eksploatatsii i predvaritel'nye rezul'taty raboty na promyslakh Groznefti. Groznyi, 1947, 32 p. (MIRA 8:4)  
(Oil well pumps)

ORKIN, K. G.

PA 2T72

**USSR/Pumping Machinery**  
**Petroleum - Well drilling**

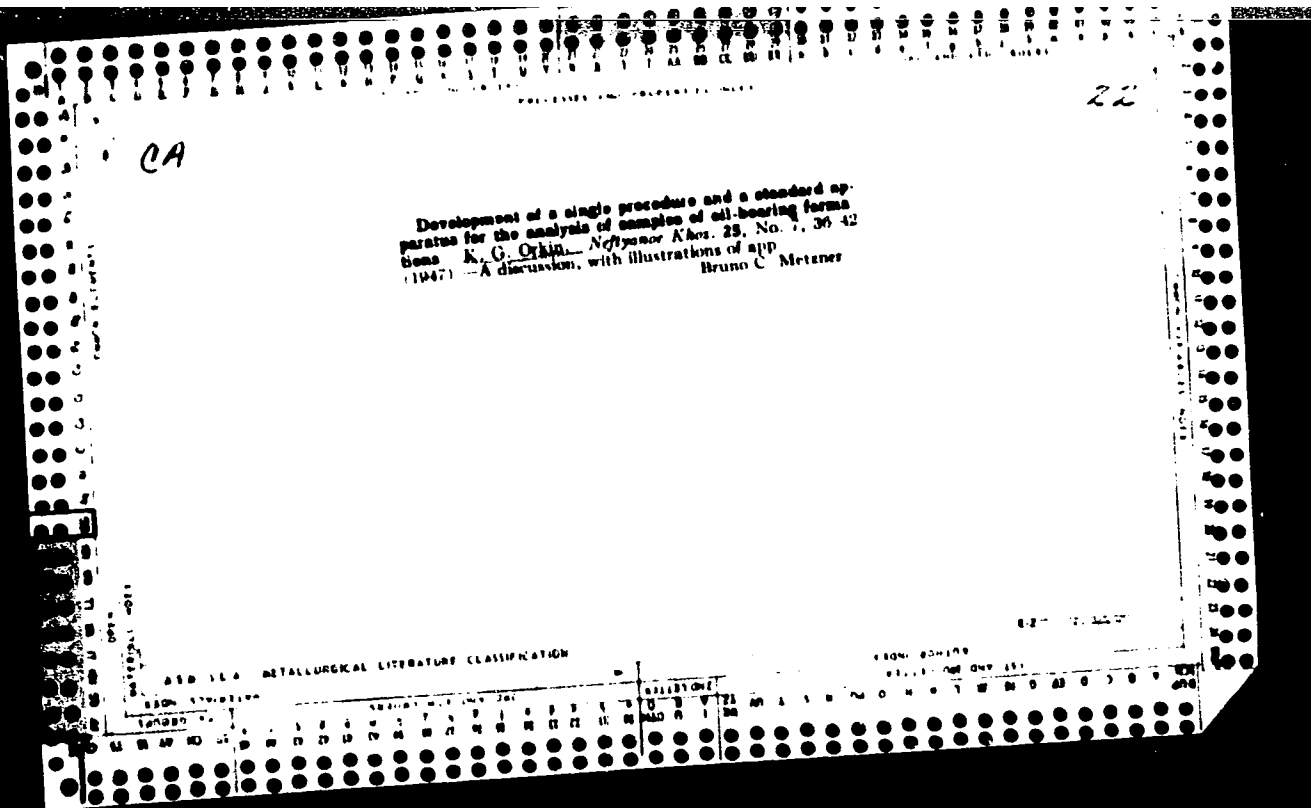
**Apr 1947**

"Preliminary Results of the Operation of Insertion-type Pumps, NGN-3, in the Oil Field Belonging to the Oil Combine," K. G. Orkin (City of Groznin),  
2 pp

"Neftyanoye Khozyaystvo" Vol 25, No 4

Discussion of the working life of pumps inserted in wells compared to standard-type pumps. Reasons for breakdowns.

9T72





ORKIN, K.G.

Orkin, K.G. "An approximate method for determining the effective dynamic porosity of petroliferous rocks," Trudy Grozn. neft. in-ta, symposium 6, 1948, p. 3-18  
- Bibliog: 16 items

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

ORKIN, K. G.

24840. ORKIN, K. G. Priblizhenny Metod Otsredeleniya Ydel'nsy Poverunosti Neftenosnykh Tseskov i Peschanikov, i Otsenka Soderchaniya Pogrebennoy Vody V Niu. Trudy Grozn. Neft. In-ta, Ser. 7, 1949, S. 74-108-Bibliogr: 17 Nazv.

SO: Letopis' No. 33, 1949

ORKIN, K. G.

24841. ORKIN, K. G. Eksperimental' Naya Ustanovka Dlya Oprede<sup>V</sup>l<sup>N</sup>iya Effektivnoy  
Dinamicheskoy Poristosty Uplotnennogo Peska i Metodika Raboty. Trudy Grozn. Vest.  
In-ta, Sb. 7, 1949, S. 109-16.

SO: Letopis' No. 31, 1949

ORKIN, K G

Zadachi i Uprazhneniya Po Kursu Eksploatatsiya Neftyanykh Mestorozhdeniy [Problems  
and Exercises on a Course of Operation of Petroleum Deposits By] K. G. Orkin, P. K.  
Kluchinskiy, I. T. Gladkov. Moskva, Gostoptekhnizdat, 1952.

330 p. Diagr., Tables.

"Literatura": p. [326] -327.

N/5

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