

IZRAILEV, G.M.

Reviewing in the 10th class. Fiz.v shkole 16 no.5:19-22 S-0  
'56.  
(MLBA 9:11)

1. Kurskaya oblast', 2-ya rozhdestvenskaya srednaya shkola.  
(Physics--Study and teaching)

IZRAILEV, G.M.

Device for hanging wall charts. Fiz. v shkole 17 no.1:  
70 Ja-F '57.

(MLRA 102)

1. 2-ya Rozhdestvenskaya shkola, Kurskoy oblasti.  
(Teaching--Aids and devices)  
(Picture frames and framing)

IZRAILEV, G.M.

Model of a step-by-step switch. Politekh. obuch. no.1:77-79  
Ja '59. (MIRA 12:2)

1. Srednyaya shkola No.2, g.Kursk.  
(Electric switch/gear)

IZRAILEV, G.M.

Experiments pertaining to relay protection. Fiz. v shkole 20  
no.6:71-72 N-D '60. (MIRA 14:2)

1. 2-ya Rozhdestvenskaya srednyaya shkola, Kurskaya oblast'.  
(Electric relays)

85729

S/057/60/030/009/022/023/XX  
B019/B077

112221

AUTHORS: Ganeyev, A. S. and Izrailev, I. M.

TITLE: Interaction Cross Sections of Soft X-Rays With Lithium

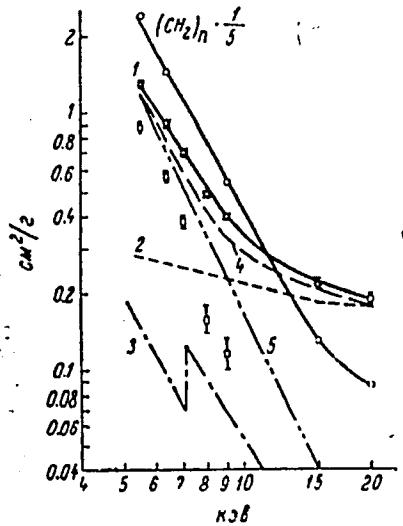
PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1960, Vol. 30, No. 9,  
pp. 1085-1086

TEXT: The authors carried out measurements of  $\mu/q$  for lithium in the X-ray energy range 5.5-20 kev. The necessary energy ranges were separated by reflecting the X-ray beam from a quartz crystal. According to the specifications of the supplier, the lithium specimen with a thickness of 0.553 g/cm<sup>2</sup> has the following impurities given in percents:  
C - 0.05, N - 0.0059, Na - 0.025, Mg - 0.0027, Al - 0.0029, Si - 0.014,  
Cl - 0.0019, Ca - 0.011, Fe - 0.0087, Zn - 0.0022, Ba - 0.0036, and  
Pb - 0.0015. In the diagram, curve 1 shows the measured values of the attenuation factor. Curve 4 represents the values for  $\mu/q$  of pure lithium obtained by subtracting the absorption due to the impurities. Curve 3 shows the absorption of the impurities as calculated by using data of other authors (Refs. 4 and 5). The X-ray scattering factor and the photo-

Card 1/3

85729

S/057/60/030/009/022/023/xx  
B019/B077



Card 3/3

S/120/61/000/002/026/042  
E032/E114

Production of high-intensity ultra-soft X-rays

2400 °C. With high current densities the electron beam tends to defocus because of space-charge effects. This was eliminated by special design on the anode and cathode (Fig.1). The form of the electrodes was designed in accordance with the recommendations given by B.Ya. Pines (Ref.1) and V.D. Bezverkhin and B.Ya. Pines (Ref.2). This was supplemented by electrolytic tank studies. With continuous operation, the power dissipation at the anode is about 3 kw, so that the anode must be specially cooled. In the final form, the anode was water-cooled as described by V.I. Rakov in Ref.3. A schematic drawing of the tube is shown in Fig.1. The copper anode was earthed and the dimensions of the anode reflector (tungsten) were 40 x 6 x 3 mm<sup>3</sup>. The cathode was in the form of a tungsten ribbon 40 x 5 x 0.1 mm<sup>3</sup> attached to holders by spot-welding. The cathode supply current was 75 amp. The focussing part of the cathode is made of copper and the angle between the focussing plates is 135°. The screw head 10 can be used to displace the focussing part of the cathode relative to the filament. Moreover, the cathode as a whole can be adjusted to lie

Card 2/ 5

S/057/61/031/003/017/019  
B125/B209

AUTHORS: Ganeyev, A. S., Izrailev, I. M.

TITLE: Photoelectron yield of soft X-rays

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 3, 1961, 376-382

TEXT: The present paper describes the measurement of the total yield coefficient of photoelectrons from thick Al, Ag, Ta, W photocathodes through X-rays of 4-9 kev, as well as the determination of the dependence of these yield coefficients on energy and angle of incidence of the X-rays. In the present paper, the ratio (number of electrons emerging from the photocathode/number of incident X-ray quanta) is used as a yield coefficient. Methods of measurement: The required energies of X-rays from an X-ray tube were separated by selective metal filters (Ti, Cr, Fe, Cu with 20.5, 25, 30.8, and 38 mg/cm<sup>2</sup>). The theoretical mean energies of X-rays passing through the filter had the following values: Ti - 4.4, Cr - 5.2, Fe - 6.1, Cu - 7.8 kev. For the mean energy, the expression

$$K_y(\bar{E}_y) = \int_E K_y(E) N_y(E) / \int_E N_y(E) \text{ holds, where } N_y(E) \text{ denotes the spectrum}$$

Card 1/9

Photoelectron yield of soft X-rays

S/057/61/031/C03/017/019  
B125/B209

of X-rays passing through the filter, and  $K_y$  the yield coefficient of photoelectrons.  $E_y$  depends only slightly on the shape of the spectrum  $n_y(E)$ . Fig. 1 shows the transmission curves of the filters, Fig. 2 the experimental setup, and Fig. 3 the ionization chamber. The photoelectrons were collected in a copper cylinder, and the photocathode was connected to a d-c amplifier. The following effects occur in the experimental arrangement used here: 1) The range of electrons with maximum energy and the range of nitrogen and oxygen fluorescence quanta are considerably shorter than half the distance between the electrodes of the ionization chamber. Therefore, the chamber is an instrument for the absolute measurement of the X-ray quanta flux. 2) The error arising from additional recording of the electrons liberated from mica and from the characteristic X-radiation of the elements contained in mica is not great. 3) The contribution of Auger electrons from mica is less than 0.5%. These three effects altogether increase the X-ray flux by 3-3.5% at most. 4) In the case of an Al photocathode, the contribution of secondary electrons from the cathode due to the electrons emitted from mica amounts to 10%

Card 2/9

Photoelectron yield of soft X-rays

S/057/61/051/003/017/019  
B125/B209

commercial foils and were not thoroughly cleaned. Note in proof: According to new measurements with a pure tungsten specimen,  $K_y(W) \sim E_y^{-1.5}$  and the absolute values of  $K_y(W)$  are higher by a factor of 12 compared with tantalum. The coefficients of photoelectric emission have lately been determined by Rumsh, Lukirskiy and other authors ( Opt. i spektr., IX, 653, 1960; DAN SSSR, 135, 55, 1960) by means of a secondary electron multiplier. For the coefficients of photoelectric emission, they found values that were 6 to 10 times lower than those determined by the authors of the present paper. Apparently, the electrons are liberated from the photocathode in the form of "packs" which in the work of Lukirskiy and Rumsh were recorded as a single electron. The difference in the dependence of the coefficient  $K_y$  on  $E_y$  (in the present paper  $K_y \sim E_y^{-1}$ , in the paper of Lukirskiy et al.  $K_y \sim E_y^{-2}$ ) may be explained by the same effect, too. The authors thank V. S. Imshennik for a discussion of the results, and B. S. D'yachkov for having designed the d-c amplifier and for his assistance in using it. There are 5 figures, 1 table, and 7 references: 3 Soviet-bloc and 4 non-Soviet-bloc

Card 4/9

S/057/62/052/011/009/014  
B104/B102

AUTHOR: Izrailev, I. M.

TITLE: The yield of electron emission induced by soft X-rays

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 32, no. 11, 1962, 1382-1385

TEXT: The photoelectron yield was determined over a wider range of X-ray energies than that covered by a previous paper (A. S. Ganoyev, I. M. Izrailev, ZhTF, 31, 376, 1961). The measurements in the range 0.7-3 kev were made in vacuum and those in the range 4.5-30 kev at atmospheric pressure. All measurements were carried out with the X-ray beam forming an angle of 30° with the plane of the photocathode. The results shown in Fig. 1 have an error of 10-15%. Measurements were made using not only thick photo-plates but also a platinum foil ( $7.65 \text{ mg/cm}^2$ ) transparent to the X-rays. The yield factors were calculated by the formula (5) of T. M. Lifshits (Radiotekhnika i elektronika, 1, 1272, 1956). The experimental differ from the theoretical data by factors of between 1.5 and 2. These large deviations are attributed to wrong assumptions in the derivation of the formula, low accuracy of the range-energy curves for electrons and

Card 1/3

$$f = RA + L \cup L.G$$

2020/6/25-7-4/25

Sokolova, O. I. Results of the Competition for the Best Improvement (Most konkursa na luchshye rufitsional'nye resheniya)

предложены)

**PERIODICAL:** *Geodisiva i kartografsya*, 1957, No. 7, pp. 17-21 (332).

and FACH. sec. part. A total of 50 topographic-geodetic, and 25 cartographic suggestions were submitted. The 1st prize of 10,000 rubles was awarded to V. A. Morozov and V. V. Drusov (Nizhny Novgorod) for their "Topographic Map of the Karpinskaya Gora." The 2nd prize of 5,000 rubles was awarded to the Nizhny Novgorod Cartographic Fabrik (Nizhny Novgorod) for their "Topographic Map of the Karpinskaya Gora."

"Plant" for the "Nameless Fortress" of Atlas Block".  
The 2nd prizes of 750 rubles were awarded to: 1) V. N. Beliaev,  
Bogaturov, V. M. Vartugay, Yu. B. Galitskiy, O. N. Shelekhov,  
and T. P. Stepanov (TEICN) for "Technology of the Use of Stone

Cert 1/6  
Bases (lavoro unico) - 2) 1) V. Barreiro, F. M. Tarragona,  
N. Rodolfi, J. Salas, G. D. Miller, L. J. Casarosa for  
"Centromero de la Manufactura de Combinaciones Dispositivas"  
(Barcelona). 2) H. A. Letra (Montevideo AIC ("Oceca AIC")) for  
"Centromero de la Manufactura de Combinaciones Dispositivas"  
(Montevideo).

Reduction of work in Evaluating the accuracy of  
Geodetic Data Purposed by Pictures of Geological Shape. 4) E. V.  
Suzerber (Geodolitische AG (Geodolitik AG)) for Light  
Capable Leader of Panel for Prospecting. - The 3rd Prize

of micrographs of the same specimen taken at different times, and the results of the measurements made on them. The first series of photographs was taken on Aug. 22, 1907, and the second on Sept. 10, 1907. The third series was taken on Sept. 12, 1907, and the fourth on Sept. 13, 1907. The fifth series was taken on Sept. 14, 1907, and the sixth on Sept. 15, 1907. The seventh series was taken on Sept. 16, 1907, and the eighth on Sept. 17, 1907. The ninth series was taken on Sept. 18, 1907, and the tenth on Sept. 19, 1907. The eleventh series was taken on Sept. 20, 1907, and the twelfth on Sept. 21, 1907. The thirteenth series was taken on Sept. 22, 1907, and the fourteenth on Sept. 23, 1907. The fifteenth series was taken on Sept. 24, 1907, and the sixteenth on Sept. 25, 1907. The seventeenth series was taken on Sept. 26, 1907, and the eighteenth on Sept. 27, 1907. The nineteenth series was taken on Sept. 28, 1907, and the twentieth on Sept. 29, 1907. The twenty-first series was taken on Sept. 30, 1907, and the twenty-second on Oct. 1, 1907. The twenty-third series was taken on Oct. 2, 1907, and the twenty-fourth on Oct. 3, 1907. The twenty-fifth series was taken on Oct. 4, 1907, and the twenty-sixth on Oct. 5, 1907. The twenty-seventh series was taken on Oct. 6, 1907, and the twenty-eighth on Oct. 7, 1907. The twenty-ninth series was taken on Oct. 8, 1907, and the thirtieth on Oct. 9, 1907. The thirty-first series was taken on Oct. 10, 1907, and the thirty-second on Oct. 11, 1907. The thirty-third series was taken on Oct. 12, 1907, and the thirty-fourth on Oct. 13, 1907. The thirty-fifth series was taken on Oct. 14, 1907, and the thirty-sixth on Oct. 15, 1907. The thirty-seventh series was taken on Oct. 16, 1907, and the thirty-eighth on Oct. 17, 1907. The thirty-ninth series was taken on Oct. 18, 1907, and the forty-first on Oct. 19, 1907. The forty-second series was taken on Oct. 20, 1907, and the forty-third on Oct. 21, 1907. The forty-fourth series was taken on Oct. 22, 1907, and the forty-fifth on Oct. 23, 1907. The forty-sixth series was taken on Oct. 24, 1907, and the forty-seventh on Oct. 25, 1907. The forty-eighth series was taken on Oct. 26, 1907, and the forty-ninth on Oct. 27, 1907. The fifty-first series was taken on Oct. 28, 1907, and the fifty-second on Oct. 29, 1907. The fifty-third series was taken on Oct. 30, 1907, and the fifty-fourth on Oct. 31, 1907. The fifty-fifth series was taken on Nov. 1, 1907, and the fifty-sixth on Nov. 2, 1907. The fifty-seventh series was taken on Nov. 3, 1907, and the fifty-eighth on Nov. 4, 1907. The fifty-ninth series was taken on Nov. 5, 1907, and the sixty-first on Nov. 6, 1907. The sixty-second series was taken on Nov. 7, 1907, and the sixty-third on Nov. 8, 1907. The sixty-fourth series was taken on Nov. 9, 1907, and the sixty-fifth on Nov. 10, 1907. The sixty-sixth series was taken on Nov. 11, 1907, and the sixty-seventh on Nov. 12, 1907. The sixty-eighth series was taken on Nov. 13, 1907, and the sixty-ninth on Nov. 14, 1907. The seventy-first series was taken on Nov. 15, 1907, and the seventy-second on Nov. 16, 1907. The seventy-third series was taken on Nov. 17, 1907, and the seventy-fourth on Nov. 18, 1907. The seventy-fifth series was taken on Nov. 19, 1907, and the seventy-sixth on Nov. 20, 1907. The seventy-seventh series was taken on Nov. 21, 1907, and the seventy-eighth on Nov. 22, 1907. The seventy-ninth series was taken on Nov. 23, 1907, and the eighty-first on Nov. 24, 1907. The eighty-second series was taken on Nov. 25, 1907, and the eighty-third on Nov. 26, 1907. The eighty-fourth series was taken on Nov. 27, 1907, and the eighty-fifth on Nov. 28, 1907. The eighty-sixth series was taken on Nov. 29, 1907, and the eighty-seventh on Nov. 30, 1907. The eighty-eighth series was taken on Dec. 1, 1907, and the eighty-ninth on Dec. 2, 1907. The ninety-first series was taken on Dec. 3, 1907, and the ninety-second on Dec. 4, 1907. The ninety-third series was taken on Dec. 5, 1907, and the ninety-fourth on Dec. 6, 1907. The ninety-fifth series was taken on Dec. 7, 1907, and the ninety-sixth on Dec. 8, 1907. The ninety-seventh series was taken on Dec. 9, 1907, and the ninety-eighth on Dec. 10, 1907. The ninety-ninth series was taken on Dec. 11, 1907, and the one hundredth on Dec. 12, 1907.

J. M. Jernigan, L. A. Lavelle and C. G. Shirkow (Eds.)  
For "Technology and Politics of Telecommunications"  
Edited by the Photorelief Committee, of E. P. Crossley (Editor-in-Chief)  
Kodak Laboratories of America (East Carriageway Institute)

Case 2/6 - for "Vertical Piling Machine for Brochures". 1) *January* (Festivalkorttayksla Karttayksla Fabrikas (Festivals Cardboard Publishing Institute) for "Mechanics for the Landing of Trusses into Paper Boxes". 2) *February* (Festivalkorttayksla Karttayksla Fabrikas (Festivals Cardboard Publishing Institute) for "Mechanics for the Landing of Trusses into Paper Boxes". 3) *March*

(see Section III) for Replacement of the DC Unit for the DC Unit  
grapho-printer Machine DP-1 by an Illustration Device DC-1  
Luminous Lamp DC-40. 1 See Section IV for Illustration Device  
DC-1 (see Section III) for Illustration Device in the Prepara-  
tion of the DC Unit.

11. Miller (Dover-Slapdash Art) (Part 1, page 277) (See "Con-  
ference of the Content Makers in the Environment," 27  
Feb. 1st.) Dr. W. B. Purvis (Industrialf Art) (Academy Art)  
San Francisco, Calif., for a San Francisco Competition of

Sepulchre from the Trigemantic Læstadius. [12] Trigemantic Læstadius (Guardianship Act) for "the Sepulchre and Relating of Læstadius". [13] Guardianship Act (Guardianship Act) for "the Sepulchre and Relating of Læstadius". [14] Guardianship Act (Guardianship Act) for "Portables and Table for Læstadius". [15] Guardianship Act (Guardianship Act) for "Portables and Table for Læstadius". [16]

**Extreme Divergences Between the Free Forms of Polar and Non-Polar Constituents Observed in a Series and on a Basis of the Following Suggestions were Offered by the Jury:** 1) Lanthanide (Rare-Earth) ACP (Lanthanide ACP); 2) Moderate for

Card 3/6 Observations from the people tested, 2) 3. 1. 1947

卷之三

THE JOURNAL OF CLIMATE

卷之三

卷之三

APPROVED FOR RELEASE: 08/10/2001

**CIA-RDP86-00513R000619410011-8"**

DASHKEVICH, L.B.; IZRAILEV, L.G.

Carbon suboxide and some of its reactions. Part 7: Carbon suboxide  
in the Friedel-Crafts reaction. Zhur. ob. khim. 30 no.9:3060-3062  
S '60. (MIRA 13:9)

1. Leningradskiy khimiko-farmatsevticheskiy institut.  
(Carbon oxide)

GOGINA, N.I.; IZRAILEV, L.M.; LEONOV, B.N.

New data on the nature of boundary between Middle and Upper Cambrian sediments in the northeastern part of the Siberian Platform.  
Trudy VAGT no.8:16-20 '62. (MIRA 15:11)  
(Siberian Platform--Geology, Stratigraphic)

PROKOPCHUK, B. I.; IZRAILEV, L. M.

First finds of diamonds in the Lower Jurassic basal com-  
glomerates of the western slope of the Verkhoyansk foredeep.  
Dokl. AN SSSR 147 no.4:906-907 D '62.  
(MIRA 16:1)

1. Vsesoyuznyy aerogeologicheskiy trest. Predstavлено академиком  
D. N. Sheerbakovym.

(Verkhoyansk Range region—Diamonds)

PROKOPCHUK, B.I.; IZRAILEV, L.M.; IL'IN, P.A.; LEONOV, B.N.; SUSOV, M.V.;  
KOSTRYUKOV, M.S.

Diamond potential of the Lena Valley; new diamond-bearing area  
in the northeastern part of the Siberian Platform. Trudy IAFAN  
AN SSSR Ser. geol. no.9:115-122 '63. (MIRA 16:12)

PROKOPCHUK, B.I.; IZRAILEV, L.M.

Diamonds of the northeastern part of the Siberian Platform related  
to interformational Lower Jurassic pebbles. Sov.geol. 7 no.2:146--  
149 F '64. (MIRA 17:3)

1. Vsesoyuznyy aerologicheskiy trest.

PROKOPCHUK, B.I.; EZRAILEV, L.M.

Basic trends in the ablation of rudaceous material and diamonds in the northeastern part of the Siberian Platform in the Lower Jurassic. Izv. vys. uchob. zav., geol. i razv. 6 no.5:19-28 My '65. (NIP A 18:10)

1. Vsesoyuznyy aerogeologicheskiy trast.

TIMOSHIN, D.S.; KHROMOV, M.N.; TIKHONOV, P.P.; IZHAIKOV, M.A.

The object and problems of economic geography. Inv. Vses. geog. ob-va  
86 no.5:435-438 S-O '54.  
(Geography, Economic)

(MLRA 7:10)

BREGADZE, I.L., professor; IZRAILEV, M.I.; TELKOV, V.A.

Plastic surgery in defects of the thoracic wall. Sov.med. 19 no.4:  
26-29 Ap '55. (MIRA 8:6)

1. Iz kafedry gospital'noy khirurgii (zav.-prof. I.S.Bregadze) Nove-  
sibirskogo meditsinskogo instituta (dir.-prof. G.D.Zaleskiy).  
(THORAX, surg.,  
plastic, in defects of thoracic wall)

BREGADZE, I.L.; DEMIN, A.A.; VITSYN, B.A.; IZRAILEV, M.I.; KHURGIN, M.I.; CHUDOVA, L.A.

Ligation of external iliac veins in chronic circulatory insufficiency [with summary in English]. Khirurgia 33 no.8:87-89 Ag '57.  
(MIRA 11:4)

1. Iz gosпитальной хирургической клиники (зав.-проф. И.Л. Брегадзе)  
и госпитальной терапевтической клиники (зав.-проф. А.А. Демин)  
Новосибирского медико-хирургического института (дир.-проф. Г.Д. Залесский)  
(VASCULAR DISEASES, PERIPHERAL, surg.)

ligation of anterior iliac veins in chronic circ. insuff.  
(VEINS, ILIAC, surg.  
same)

BREGADZE, I.L., IZRAILEV, M.I.

Radical treatment of cancer of the pancreas, Vater's ampulla  
and extrahepatic bile ducts. [with summary in English]. Vop.  
onk. 4 no.4:458-464 '58  
(MIRA 11:9)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. prof. I.L.  
Bregadze) Novosibirskogo gosudarstvennogo meditsinskogo instituta  
(dir. - prof. G.D. Zalesskiy). Adres avtorov, Novosibirsk,  
Krasnyy prospekt, d. 3, Gospital'naya khirurgicheskaya klinika.

(PANCREAS, neoplasms

surg. radical, in cancer of pancreas, Vater's ampulla  
& extrahepatic bile ducts (Rus))

(BILE DUCTS, neoplasms

surg., radical, in cancer of extrahepatic bile ducts,  
Vater's ampulla & pancreas (Rus))

IZRAILEV, M.I. (Novosibirsk, ul.Kamenskaya, d.8)

Method for pancreatoduodenal resections. Nov. khir. arkh. no.1:  
107-108 Ja-F '60. (MIRA 15:2)

1. Kafedra gospital'noy khirurgii (zav. - prof. I.L.Bregadze)  
Novosibirskogo meditsinskogo instituta.  
(PANCREAS...SURGERY) (DUODENUM...SURGERY)

IZRAILEV, M.I.

Retrograde invagination of the small intestine into the  
stomach. Kaz.med., zhur. no.1:26-28 Ja-F'61 (MIRA 16:11)

1. Kafedra gospital'noy khirurgii (zav. - prof. I.L.Bregadze)  
Novosibirskogo meditsinskogo instituta.

\*

IZRAILEV, M.I., kand.med.nauk (Novosibirsk,ul.Kamenetskaya,d.8,kv.1);  
DONICH, N.P.

Obturbation of the extrahepatic bile ducts and the large  
duodenal papilla by polypi. Klin.khir. no.5:78-80 My '62.  
(MIRA 16:4)

1. Kafeira gospital'noy khirurgii (zav. - prof. I.L.Bregadze)  
Novosibirskogo meditsinskogo instituta.  
(BILE DUCTS--TUMORS) (DUODENUM--TUMORS)

VEPRIK, D.I., inzh.; IZRAILEV, M.S., inzh.; RISS, L.O., inzh.; SAL'KOV,  
B.L., inzh.

Features of relay protection of traction substation feeding lines.  
Elektrichestvo no.1:15-22 Ja '61. (MIRA 14,4)

1. Leningradskoye otdeleniye Teploelektroprojekta.  
(Electric railroads—Current supply)  
(Electric protection)

ACC NR: AP6021496

SOURCE CODE: UR/0413/66/000/011/0146/0146

INVENTORS: Samoylov, G. S.; Izrailov, P. G.

ORG: none

TITLE: A device for grinding and polishing a nonspherical surface. Class 67, No. 162549

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 146

TOPIC TAGS: grinding, metal polishing, grinding machine, abrasive

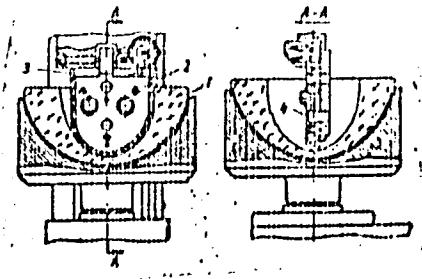
ABSTRACT: This Author Certificate presents a device for grinding and polishing a nonspherical surface. The abrasive material is fed into the clearance between the surface being worked on and a template on which a calibrated wire or a capron thread is stretched (see Fig. 1). The latter moves progressively along the template in the course of work. To regulate the process of working especially deep nonspherical surfaces of revolution, the template is nonsymmetrical and is provided with an axle perpendicular to its plane. The axle serves for adjusting and positioning movements.

Card 1/2

UDC: 621.923.1.02:621.924.57

ACC NR: AP6021496

Fig. 1. 1 - detail with a nonspherical surface;  
2 - template; 3 - capron thread or a  
wire; 4 - axle



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 17Jun64

Card 2/2

16.9500 (1031,1132)

9.8300

S/103/61/B22/C02/014/015  
B019/B060

AUTHORS: Bykhovskiy, Ya. L., Izreilev, R. A., Mikutskiy, G. V.,  
Skital'tsev, V. S., Sokolov, V. B. (Moscow)

TITLE: New studies on high-frequency channels in telemechanics

PERIODICAL: Avtomatika i telemekhanika, No. 22, no. 2, 1961, 263-270

TEXT: A report is made here on studies conducted at the VNIIIE on high-frequency channels in telemechanics. The first part describes an acoustic device of the type TMT-7 (TMT-P). This apparatus makes use of semiconductors and is intended for the multiplexing of conductor circuits of high-frequency channels of various transmission systems. The relation  $f_n = 450 + 180(n-1)$  ( $n = 1, \dots, 16$ ) holds for the 16 transmission frequencies. A narrow-band frequency modulation has been made use of to obtain a good noise-proof feature. The type described here differs from its predecessor by the use of semiconductors and in that emitter and receiver each have their own current feed. Figs. 1 and 2 show circuit diagrams of emitter and receiver. ✓  
The second part of the present paper is devoted to high-frequency tele-

Card 1/4

89183

New studies on high-frequency ...

S/103/61/022/002/014/015  
B019/B060

phone systems. The high-frequency systems for telephone and telemechanical communications are made of new elements and intended for information transmission over high- or medium voltage lines. They are also suited for relay protection and automation systems. The units are made of semiconductors and miniature resistors, capacitors, and inductors, and require the use of output power tubes. The third part of the paper deals with remote switch systems. The purpose of such remote switch systems in power transmission systems is first explained, and it is stated that the transmission lines themselves can in most cases be used for the transmission of the switching signal. A two-frequency signal, a control frequency, and a signal frequency are regarded as the best suited. A diagram of the system concerned is discussed and shown to feature a filter for the suppression of noises having the frequency of the remote switch system. A power generating and transmission system is most conveniently controlled by controlling the phase in a central point of the whole system. The final part of the paper is devoted to the discussion of channels for the transmission of the phase relations within such a system, to the control unit. The system discussed is operated with a separate high-frequency

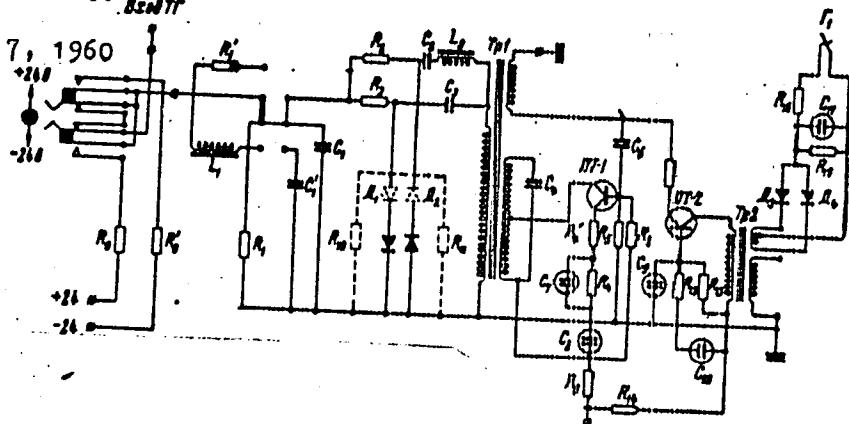
Card 2/4

New studies on high-frequency ...

S/103/61/022/002/014/015  
B019/B060

channel over the transmission lines. The emitter consists of a crystal-controlled generator, a two-stage amplifier, a power amplifier, and an output filter. The receiver consists of an input amplifier with a high-frequency filter, a frequency converter, an intermediate filter, a discriminator, and a low-power amplifier for industrial frequency. There are 9 figures and 1 Soviet-bloc reference.

SUBMITTED: May 7, 1960



Card 3/4

Fig. 1

30

IZRAILEV, R.A., inzh.

VP-60 communication and remote control equipment. Trudy VNIIE no.12:  
93-96 '61.  
(MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektroenergetiki.

IZRAILEV, R.A., inzh.; NIKIFOROV, Ye.P., inzh.; IGLOTSYN, I.L., red.;  
PAVLOVA, T.I., tekhn. red.

[Distance-type device for signaling ice crust formation on  
overhead power transmission lines.] Distantsiionnyi signaliza-  
tor gololeda na liniakh elektroperedachi Moskva, Gosenergoiz-  
dat, 1960. 26 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'-  
skii institut elektroenergetiki. Informatsionnye materialy,  
no.48) (MIRA 16:8)

VELIKOVSKAYA, Ye.M.; IZRAILEV, V.M.

Structure and origin of the North-Jurassic depression between  
the valleys of the Kuban-Bolshaya Laba Rivers. Trudy VAGT  
no.6:128-139 '60. (MIR. 14:3)  
(Kuban Valley--Geology)

IZRAILEV, V.M.; SPIRIDONOV, A.I.; TSESEL'CHUK, Yu.N.

Classification of gully, ravine and valley forms of the central  
regions of the European U.S.S.R. Vest. Mosk. un. Ser. 5: Geog.  
18 no.1:16-22 Ja-F '63. (MIRA 16:5)

1. Kafedra geomorfologii Moskovskogo universiteta.  
(Russia, Northern—Landforms)  
(Russia, Northern—Erosion)

ACC NR: A06333-75

SOURCE CODE: UR/6413/86/000/015/0051/rnb1

INVENTOR: Novoderezhkin, V. V.; Kolobova, V. I.; Manoim, G. I.; Porshnyakova, Z. S.; Pucheglasova, E. I.; Izraileva, E. S.

ORG: none

TITLE: Method of producing positive electrodes of dry-charged lead-acid storage batteries. Class 21, No. 185989

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 61

TOPIC TAGS: storage battery, battery component, positive electrode, lead oxide, electrode design

ABSTRACT: An Author Certificate has been issued for a method of producing positive electrodes by pasting, drying, forming, neutralizing the acid, and hot-air drying them in multizone continuous-motion dryers. To simplify production technology, the acid is neutralized during the drying process by lead oxide contained in the active material. Drying takes place at a temperature up to 200C, with relative air humidity not over 30%, and with 5—6 m/sec air velocity for 15 to 20 min. Air temperature is then reduced to 100C—120C, and the process is maintained at this temperature for 5 to 7 minutes.

SUB CODE: 10/ SUBM DATE: 08May65/

Cord 1/1

UDC: 621.3.035.23:66.047.3

FUKS, D.A., inzh.; NOVODEGZHIN, V.V., inzh.; SHETVINA, F.B., inzh.;  
IZRAILEVA, E.S.; DUROV, V.P., inzh.

New method for using storage batteries in electric power stations  
and substations. Energetik 12 no.7:27-29 J1 '64.  
(MIRA 17:9)

BYKADOROV, V.S., red. toma; PEKARETS, P.A., red. toma; BUDCHENKO,  
G.P., red. toma; RYABOKON', N.F., red. toma; TKALICH,  
S.M., red. toma; IZRAILEVA, G.A., ved. red.

[Geology of coal and oil shale deposits in the U.S.S.R.]  
Geologija mestorozhdenii uglia i goriuchikh slantsev SSSR.  
Vol.8. 1964. 790 p. (MIRA 17:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy  
komitet.

IZRAILEVA, G. I., BOL'SHANTINA, YE. A., SARIONAKI, A. F., AND TSELISHCHEVA, A. M.

"On the Complex diagnosis of Brucellosis," a report given at an interoblast scientific-practical conference on problems of laboratory diagnosis of infectious diseases which was held at the Tomsk Scientific Research Institute of Vaccines and SERs, 12-16 March 1956.

SUM: 1360 p 238

LITVINOV, N.N.; IZRAILLEVA, G.I., red.; DOMIN, N.S., red.; IVANOVA,  
A.G., tekhn.red.

[New prospecting equipment] Novoe gornorazvedochnoe oborudova-  
nie. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i  
okhrane nedr, 1959. 29 p. (MIRA 13:6)  
(Prospecting--Equipment and supplies)

MASTENITSA, M.A.; KOROLENKO, G.A.; YELABUGINA, L.V.; GUMENAYA, G.R.  
IZRAILEVA, G.I.; KORZева, V.S.

Epidemiological and virological characteristics of the 1959  
influenza outbreak in Prokop'yevsk. Trudy Tom NIIVS 12:  
106-110 '60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i sy-  
vorotok, Kemerovskaya oblastnaya sanitarno-epidemiolog-  
cheskaya stantsiya i Prokop'yevskaya gorodskaya sanitarno-  
epidemiologicheskaya stantsiya.

\*

С.Л.Б.И.П.Р. № 112

TEMKINA, R.Z.; MIKHAILOV,A.N.; IZRAILLEVA, I.R.; YACHINA, T.V.

Adhesive carbamide resins with fillers. Der.prom. 5 no.11:9-12  
(MIRA 10:1)  
N '56.

1. TSentral'nyy nauchno-issledovatel'skiy institut sanery i mebeli.  
(Urea) (Fillers (In paper, paint, etc.)  
(Glue)

IZRAILEVA, I.R., inzh.

Resistance of plywood of the FK brand to the action of various  
temperatures and moisture conditions. Trudy TNIIFM 1:90-99 '60.  
(MIRA 16:5)

(Plywood--Testing)

IZRAILEVA, L.K.

Asymmetry of the  $K_{1}$  and  $K_{2}$  - lines of atoms of the iron group.  
Izv. AN SSSR. Ser. fiz. 25 no.8:954-956 Ag '61.  
(MIRA 14:8)

1. Institut fiziki Sibirsogo otdeleniya AN SSSR.  
(X rays—Spectra)

5/048/63/027/003/008/029  
B117/B234

AUTHORS: Narbutt, K. I., and Israileva, L. N.

TITLE: Structure of the K-absorption spectrum of the  $Zn^{2+}$  ion

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 27, no. 3, 1963, 348-350

TEXT: The influence which the field of an octahedron of 6  $H_2O$  exerts on the structure of the first section of the K-absorption spectrum of the  $Zn^{2+}$  ion was examined. The structure of this section was assumed to be determined by the transition of the K-electron from its bound state into the periphery of the  $Zn^{2+}$  and the wave functions of these states were assumed to contain admixtures of p-states. It was shown that the energy of these bound states can be determined by calculating the nondiagonal matrix elements  $V_{ik}$  of the field of the octahedral symmetry in the states i and k, and by solving the secular equation. Estimates resting upon certain postulates, and carried out in this way, lead to

Card 1/2

ACC NR: AP6019526

IJ(c) JD/LMB

SOURCE CODE: UR/0020/66/168/004/0777/0780

AUTHOR: Izraileva, L. K.

ORG: Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry  
(Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii)

TITLE: Contribution to the theory of the short-wave region of x-ray K-absorption spectra of single-crystal and polycrystalline specimens

SOURCE: AN SSSR. Doklady, v. 168, no. 4, 1966, 777-780

TOPIC TAGS: x ray absorption, absorption edge, absorption coefficient, fine structure, photon

ABSTRACT: In view of the fact that earlier studies of the fine structure of K spectra neglected the effect of the phase on the dependence of the absorption coefficient on the photon energy, the author derives an expression for the absorption coefficient of a single crystal in the short wave region in the case of radiation that is polarized or oriented, with due allowance for the phase. The expression is suitable for any crystalline field. It is also shown that for a polycrystalline specimen with arbitrary crystallite orientation the absorption coefficient depends only on the mean value of the potential of the crystal on the surface of a sphere with center at the chosen atom. Data on the mean value of the potential and on the first term of its series expansion in spherical function (the term that differentiates between the single-crystal and polycrystal expressions for the absorption coefficient)

Card 1/2

UDC: 537: 535.3

ACC NR: AP6019526

can be obtained from the K-absorption spectrum of the crystal by determining experimentally the dependence of the spectrum on the polarization or on the orientation of the incident beam. This report was presented by Academician N. V. Belov 10 September 1965. Orig. art. has: 20 formulas.

SUB CODE: 07/ SUBM DATE: 07Sep65/ ORIG REF: 004/ OTH REF: 003

Card 2/2 Jo

L 04204-67 EWT(1)/I IJP(c) GG  
ACC NR: AP6030011

SOURCE CODE: UR/0020/66/169/005/1049/1051  
APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8<sup>40</sup>  
<sup>B.</sup>  
AUTHOR: Izraileva, L. K.

ORG: Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry  
(Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii)

TITLE: The absorption coefficient of 1s-zone single crystals and its dependence upon the polarization and the propagation direction of the radiation

SOURCE: AN SSSR. Doklady, v. 169, no. 5, 1966, 1049-1051

TOPIC TAGS: absorption coefficient, crystal symmetry, electric polarization

ABSTRACT: The dependence of the absorption coefficient on the direction of polarization (i. e., the direction of the electric vector  $E^0$ ) of the incident radiation, and its dependence on the direction of propagation,  $k$ , is examined. The author makes several simplifications by observing the translational symmetries of the crystal potential for the most common and important types of crystal lattices. The absorption coefficients thus obtained for the various types of single crystals are then compared with those derived on the basis of the "polycrystalline model". For triclinic systems, the symmetry does not help to simplify the expression for the absorption coefficient  $\tau_k$ . For monoclinic systems, the cross terms in  $\tau_k$  which contain  $E_x^0 E_z^0$  or  $E_y^0 E_z^0$  vanish. The

L 04204-67  
ACC NR: AP6030011

$z$ -axis is taken to be perpendicular to the base of the crystal. For rhombic systems, it is found that the absorption coefficient equals that of the polycrystalline model, if the polarization is such that

$$(E_x^u)^2 = (E_y^u)^2 = \gamma_3$$

For tetragonal and hexagonal crystals, that the absorption coefficient  $\tau_k$  is completely independent of the direction of  $E^u$ , the projection of  $E^u$  upon the plane which is normal to the symmetry axis of the crystal. Thus when the radiation is directed parallel to the symmetry axis, the absorption  $\tau_k$  is independent of the polarization direction, whether or not the radiation is polarized.  $\tau_k$  does depend on the propagation direction  $k$ , however. The absorption is independent of changes in  $k_x$  or  $k_y$ , but changing  $k_z$  alters the value of  $\tau_k$ . For cubic crystals, the absorption coefficient is the same as for the polycrystalline model (at least in the short-wavelength limit); this is in agreement with previous results. This is true regardless of the polarization direction  $E^u$ . Presented by Academician N. V. Belov on 10 September 1965. Orig. art. has: 17 formulas.

SUB CODE: 20/ SUBM DATE: 07Sep65/ ORIG REF: 002/ OTH REF: 002

Card 2/2 LC

ZINOV'YEVA, I.S.; SHERSHACHEVA, L.I.; IZRAILEVA, L.M.; SHPAGINA, M.K.

Drug resistance of dysentery bacilli. Antibiotiki & no.6:88-92  
N-D '59.  
(MIRA 13:3)

1. Kuybyshevskiy institut epidemiologii, mikrobiologii i gigiyeny.  
(SHIGELLA pharmacol.)  
(ANTIBIOTICS pharmacol.)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410011-8

14  
The following report was prepared by the Bureau of Intelligence and Research, U.S. Department of State.

ABSTRACT. This bulletin contains information on military equipment imports into Libya.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410011-8"

**"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8"**

**APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8"**

**"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8**

**APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8"**

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8"

DOL'DINOV, A.L.; ZVEREV, B.P.; IZRAILEVA, S.B.; LUKHOVITSKIV, V.I.;  
SHABALIN, A.A.

Purification of mercury-containing waste waters. Khim.prom.  
no.9:610-612 Ag '62. (MIRA 15:9)  
(Sewage--Purification)  
(Mercury)

IZRAILEVA, Ye.M.; NOSYREV, I.V.

Formation of Paleozoic dikes in northern Kirghizia as revealed  
by the studies in the Dzhungar-Tau and Lesser Kemin Basin. Mat.  
po geol.Tian'-Shania no.2:111-129 '62. (MIRA 15:11)  
(Dzhungar-Tau--Dikes (Geology))  
(Kichikemin--Dikes (Geology))

EXCERPTA MEDICA Sac.17 Vol.4/4 Public Health,etc.Apr 58

1089. BACTERIOLOGICAL DIAGNOSIS OF EARLY STAGES AND BLURRED  
FORMS OF PERTUSSIS (Russian text) - Izrailevich E. Ya. - NAUCH.  
TRUD. MOSK. INST. VAKT. SYVOROT. 1956, 6 (261-264)

The author used the posterior pharyngeal wall tampon method (advocated by him earlier as giving rather better results than the cough plate method) to check the value of bacteriological diagnosis of pertussis in the early catarrhal stage, and also for detection of atypical, blurred forms of pertussis. The experiments showed that the pertussis organism was successfully grown in 77% (48 of 59 children) of patients examined in the catarrhal stage. In 38 patients the bacteria were detected 1-15 days before the onset of whooping cough. The method also proved useful for the diagnosis of blurred forms of pertussis in children's homes and schools where there was not a single clinically obvious case of the disease. (S)

MAMEDZADE, S.A., prof.; IZRAILEVICH, E.Ya., laborant

Acid-base equilibrium in hepatocholycystitis. Azarb. med. zhur.  
no.6:3-8 Je '60. (MIRA 14:1)

1. Iz l-y kafedry gospital'noy terapii (zav. -- prof. S.A.Mamedzade)  
Azgosmedinstituta im. N.Narimanova (direktor -zashchennyy deyatel'  
nauki, prof. B.A. Eyyazov.

(GALL BLADDER-DISEASES)  
(ACID-BASE EQUILIBRIUM)

25 (1) SOF/155-59-4-16/16

Alekseev, P. K., Scientific Secretary, Fel'dman, S. Z.,  
Chief Engineer of the Technical DepartmentTITLE: The Rostov Sverdlovskeldorozhnoye Building Industry  
Development. (Razrabotki Sverdlovskeldorozhnoye Protsedura  
Obshchestrui voprosy ravnitya avtovozchnogo proizvodstva.)

PERIODICAL: Sovetskoye Proizvodstvo, 1959, Br. 4, pp. 44 - 45

ABSTRACT: Information is presented on welding conferences in the  
Rostov oblast since the formation of the Soviet organization  
of industry after the XII Communist Party Conference.  
There was a conference at the plant "Tosolsal'zam" in  
September 1958 on general prospective development, with  
reports by Engraver Kochin. On further introduction of  
welding into production practice, Engineer Sirogov on  
mechanization of assembly welding work, Engineer Sirogov on  
the Plastic's Equipment, Engineer Sirogov on "High-  
frequency Welding" and other prospective day at the  
plant. A conference was organized at the plant "Trotschak"  
on the problem of using natural gas for cutting metals.

With a demonstration of the processes which is extensively  
used at other plants of the Rostov Jovnerkhos system,  
conferences at the Taganrog plant "Krasnyy Vozdukh" dis-  
cussed the problems of electric olive welding and contact  
welding. It is mentioned that nearly all existing welding  
processes are extensively used at all existing welding  
plants in the Rostov oblast. Welded work makes up  
90% of the production of the machine welding plants. It  
is emphasized that maximum automation and mechanization of  
welding and the possibility of welding in the tank of the  
centrifuge and practical welding and the welders innovators.  
More detailed information is given on the conference of  
December 1958, concerning technical development of welding  
plants during 1959-1965, with 96 practical welding specific-  
ations and scientific papers participating. At this  
conference, Engineer S. Z. Fel'dman (Technical Director  
of the Sverdlovskeldorozhnoye Building Industry) spoke of the success achieved at the  
Sverdlovsk and the Terekhovsky factory served  
(Taganrog Combustion Sawmill Plant). There, the Production

of the self-propelled "M-1" combine has been mastered, the  
auxiliary equipment has been developed, and the  
combine is taking market leadership. The plant "Trotschak"  
existing has mastered 50% of the day welding work and is  
using oxygen jets in the butt welding of pipes by the con-  
tact-flame method (to intensify the welding process and re-  
duce the heat load). The plant "Krasnyy Vozdukh" has  
also begun to produce oxygen hydride systems for electric welding  
pipes. The entire welding production is to be doubled  
by 1965. The average production capacity is to be increased  
by 1.5 times. The production of the "Trotschak" plant  
is to increase by 1.5 times (the basis of the new production  
plan), and the second of the "Trotschak" plant by 1.5 times. The  
use of contact welding will have to be increased by 2/3.

Card 1/6

Card 2/6

Card 3/6

The Soviet Sovnarkhoz Welders Discuss Welding Industry Development  
Sov/135-59-4-16/16

Engineer I. D. Berzendo, Candidate of Technical Sciences and Stalin Prize Laureate (Plant "Frantsy Metal'icheskiy") read a report "On the Application of New Steel Grades in Welding of Boiler, and on the Technology of Welding These Steels". The plant is studying the use of the electric arc welding process for steel. The use of allusion. Engineer V. M. Kremnov (plans "Voronezhskiy Avesta and Shekhter") and Engineer V. N. Tschchik ("Batast' Sazan") told of their plants experience in the report. "The Ways of Mechanizing and Automating Welding", Engineer Sarfisov (Plant "Batast' Sazan") and Engineer Sorkin, "Zagorskii Sarfisov" read reports on "General Experience with Welding in Present-Diploma at the Sovnarkhoz". Planta's Candidate of Technical Sciences A. I. Zaluzhny, "Zaluzhny" (Candidate of Technical Sciences) Shchelankov, "Shchelankov" (Institute of Railroad Transport), and Engineer P. M. Sapon, "Sapon" (Chief of the Moscow Central Plant) presented reports on "Increasing the Volume of Casting Work, made, Introducing Modern Methods of Restoring Parts and Tools".

Card 4/6

The Soviet Sovnarkhoz Welders Discuss Welding Industry Development  
Sov/135-59-4-16/16

Engineers V. I. Strel'tsov and I. I. Denis delivered reports on "Development and Use of Slipped-Jointed Seams to Replace the Cast and Forged Joints in the Repair of Boilers and Machines". Chief Engineer of "Restavremproekt" I. I. Kravtsoff, "Kravtsoff" told the conference of the experience of the repair and modernization of the electric power plant, and of its work in repairing existing and the creation of new equipment for inspecting welded joints in cast steel structures. Engineer V. I. Kholodov of Novosibirsk Electric Locomotive Plant reported (Novosibirsk Electric Locomotive Plant) on the automation of welding processes in the production example of the Novosibirsk plant. The conference followed the state of the factory plant to fulfill their practical obligations in the mechanization of welding and the automation of welding processes in mass production.

Card 5/6

The Soviet Sovnarkhoz Welders Discuss Welding Industry Development  
Sov/135-59-4-16/16

ASSOCIATION: Rukosobsprom Robot, Jaromarcho.

Card 6/6

IZRAILEVICH, I.S.; NOVIKOV, S.N.

Experimental study of gas flow through finely porous media in the  
region of transient pressures. Dokl. AN SSSR 164 no.6:1263-1266  
0 '65.

(MIRA 18:10)

1. Submitted February 24, 1965.

RECORDED BY: [REDACTED] , .

Method for determining the size of the particles in a powder by comparing the fine particles present under the same conditions of gas flow in a certain reaction. R. H. K. 61, 1965  
no. 13774-86 N.Y.5.

(MIRA 28;10)

1. Submitted March 16, 1965.

S/020/62/147/004/011/027  
B117/B186

AUTHORS: Goshchitskiy, B. N., Izrailevich, I. S.

TITLE: Problem of the existence of a "negative" enrichment effect in thermodiffusion of gases in porous media

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 4, 1962, 817-818

TEXT: The separation of binary H<sub>2</sub>-Ar, H<sub>2</sub>-Kr, and He-Kr mixtures (concentration 50%) in porous media (BaO·6Fe<sub>2</sub>O<sub>3</sub>) was studied. The test unit adopted differed from that described by H. D. Beckey and W. E. Groth (Zs. Naturforsch., 7a, 474 (1952)) by a precise temperature adjustment of the two work chambers and of the neighboring surface of the porous medium. Measurements were conducted along the sample in the presence of both temperature and pressure gradients, and with the temperature gradient alone. For the latter, the pressure gradient was eliminated by a special tube with high diffusion resistance and low hydraulic resistance. Results: In the first experiment ( $T_1 = 473^\circ\text{K}$ ,  $T_2 = 298^\circ\text{K}$ ), a "positive" enrichment effect

Card 1/2

Problem of the existence of a...

S/020/62/147/004/011/027  
B117/B186

vanishing at  $P_0 = 0$ , was observed in the whole pressure range. In the second experiment ( $T_1 = 477^\circ\text{K}$ ,  $T_2 = 295^\circ\text{K}$ ), the effect reached a maximum at  $P_0 = 0$  and decreased monotonically as the pressure increased. Even at comparatively high pressures it was higher than in the case of thermo-diffusion in free space. No enrichment of the light component at the cold end as observed by Beckey, Grothe and H. Baum (Vakuum-Technik, H. 7 (1957)) was found. The above-mentioned "negative" enrichment effect is assumed to be due to "neglected" negative temperature gradients in the test unit or by the motion of gases in long capillaries. There are 3 figures.

PRESENTED: July 25, 1962, by I. K. Kikoin, Academician  
SUBMITTED: March 9, 1962

Card 2/2

DATA: EWP(a)/EWT(a)/EWA(d)/EWP(j)/T/FCS(e)/ETC(n)-S/EWA(j)  
ACC NR: AP502722; WW/JW/RM SOURCE CODE: UR/0020/05/114/006/1263/1266

AUTHOR: Izrailevich, I. S.; Novikov, S. N.

ORG: none

TITLE: Experimental study of gas flow through finely-porous media in the intermediate pressure range  
*1, 55*

SOURCE: AN SSSR. Doklady, v. 164, no. 6, 1965, 1263-1266

TOPIC TAGS: gas flow, porosity, porous gas flow

ABSTRACT: The authors studied at  $Kn \approx 1$  the pressure and temperature dependence of specific gas flow through samples made of compressed highly dispersed powders covering a wide range of porosities. Some of the results are shown in Figures 1 and 2.

Card 1/3

UIC: 508,601,1:539,217.5

L 15397-66

ACC NR: AP5027222

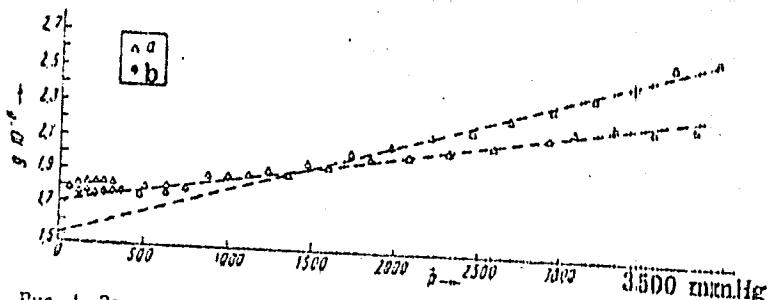


Рис. 1. Зависимость проницаемости образца от среднего различия температурах.

Образец № 7. Аргон. а —  $t_1 = 20^\circ\text{C}$ ; б —  $t_1 = -73.5^\circ\text{C}$ .

Fig. 1 Sample permeability as a function of average temperature at different temperatures. Sample was made of iron #III, 0.45 cm long, with a porosity  $\delta' = 0.40$ , characteristic geometric diameter  $d = 0.055\mu$ ; and the total specific area (determined by a low temperature nitrogen absorption)  $S = 16.3$ . Gas - argon. a -  $t_1 = 20^\circ\text{C}$ ; b -  $t_1 = -73.5^\circ\text{C}$ .

Card 2/3

ACC NR: AP5027222

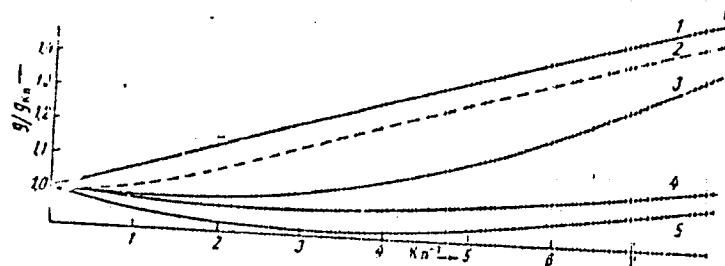


Fig. 2 A comparison of experimental and theoretical relationships  $g/g_{Kn}$  on  $Kn^{-1}$  ( $g_{Kn}$  is the magnitude of permeability for  $Kn^{-1} \rightarrow 0$ ). 1 -  $G = G_V + G_D$  ( $G_V$  - viscous flow,  $G_D$  - diffusion for  $\delta = 0.8$ ; 2 - experiment; 3 - according to B. V. Deryagin and S. P. Bakunov (DAN, 115, 267, 1957) for  $\delta = 0.8$ ; 4 - according to J. P. Breton and D. Massignon (J. Chim. Phys. et phys-chim. Biol., 60, no. 1-2, 294, 1963) for  $\delta = 0.8$ ; 5 - according to Breton and Massignon for  $\delta = 0.5$ .

The paper was presented by Academician I. K. Kikoin, 24 Feb. 65. Orig. art. has: 1 formula, 3 figures, and 1 table.

SUB CODE: 20 / SUBM DATE: 13Oct65 / ORIG REF: 002 / OTH REF: 014

PC  
Card 3/3

ABIYEV, M.B., prof.; IZRAILEVICH, I.Z.

Unusually large calculus of the kidney and ureter. Urologija  
28 no.5:52-53 S-0'63 (MIRA 17:4)

1. Iz urologicheskoy kliniki (zav. - prof. M.B. Abiyev) Azer-  
baydzhanskogo instituta usovershenstvovaniya vrachey.

BILENKO, S.A.; IZRAILEVICH, L.A.; MEDNIKOV, G.V.

Indexes of the degree of mechanization in breweries, Spirit.  
prom. 28 no.7:29-32 '62. (MIRA 17:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut pivo-bezalkogol'noy i vinnoy promyshlennosti.

GOSHCHITSKIY, B.N.; IZRAILEVICH, I.S.; NOVIKOV, S.N.

Effect of the structure of porous bodies on the specific  
surface value determined by the gas permeability method. Dokl.  
AN SSSR 155 no. 3:640-643 Mr '64. (MIRA 17:5)

1. Predstavлено академиком И.К.Кикоином.

IZRAILEVICH, L.P.

Technique of peridural anesthesia. Khirurgia Supplement:61 '57.  
(MIRA 11:4)

1. Iz kliniki obshchey khirurgii lechebного fakul'teta Tashkentskogo  
meditsinskogo instituta imeni V.M. Murotova.  
(ANESTHESIA)

IZRAIL'VICH, I. S.

33222. Nasos Dlya Maliva Patoki V Zheleznodorozhnyye Tsisterny. Caxap.  
Prom-St', 1949, No. 10, c . 32-33

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

IZRAILEVICH, L.S. inzhener.

An efficient copying technique. Standartizatsiya no.1:76 Ja-Ye '56.  
(MLRA 9:2)

1.Glavnyy konstruktor-mekhanik Gosudarstvennogo instituta po proyektirovaniyu novogo stroitel'stva i rekonstruktsii predpriyatiy zakharnoy promyshlennosti.

(Blueprinting)

IZRAILEVICH, L.S.

Combined washer unit for extremely dirty sugar beets.  
Sakh.prom. 33 no.10:35-38 0 '59. (MIRA 13:3)

1. Gosudarstvennyy institut po proyektirovaniyu novogo  
stroitel'stva i rekonstruktsii predpriyatii sakharnoy promy-  
shlennosti.  
(Sugar beets)

IZRAILEVICH, L.Yu., inzh.

Features of the electrical sections of atomic power plants in the  
U.S.A. Energokhoz. za rub. no.6:21-29 '60. (MIRA 14:3)  
(United States---Atomic power plants)

IZRAILEVICH, M.L.; GINDIN, B.Ya.; LAZDAN, E.Ye.

Soot conveyors for rubber tire plants. Biul. tekhn.-ekon.  
inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 17 no.2:  
14-17 '64. (MIRA 17:6)

32309  
S/020/61/141/004/011/019  
B101/B110

54600

AUTHORS: Bagdasar yan, Kh. S., Izrailevich, N. S., and Krongauz, V. A.

TITLE: Intramolecular transfer of energy by radiclysis of alkyl benzenes

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 141, no. 4, 1961, 887 - 890

TEXT: The authors tried (1) to check the data by R. Schuler et al. (Ref. 5, see below) on the protective action of the phenyl ring in radiolysis; (2) to obtain additional data on this protective action. The yields of primary radicals in the  $\gamma$ -radiolysis of toluene, ethyl benzene, cumene, n-butyl benzene, n-octyl benzene, equimolecular mixtures of octane and benzene, and (for comparison) the radical yields of benzene, n-hexane, and n-octane were measured. The spectrophotometrically measured iodine concentration was  $5 \cdot 10^{-4} - 5 \cdot 10^{-3}$  M. It did not affect the radical yield. By repeatedly freezing up the substances in the vacuum, air was removed.  $\text{Co}^{60}$  served as irradiation source. The dose measured by an  $\text{FeSO}_4$  dosimeter was  $1.9 \cdot 10^{18}$  ev/liter·sec. The data are given in Table 1 and compared with R. Schuler's.

Card 1/54

32305  
S/020/61/141/004/011/019  
B101/B110

Intramolecular transfer of energy...

[Ph] is the concentration of the phenyl rings;  $k_M$  the constant of velocity of intramolecular energy transfer from the aliphatic chain to the phenyl ring;  $a_A$ ,  $a_{Ph}$  are the factors of proportionality, i. e., the yields of excited molecules per unit of absorbed energy.  $G_{add} - G$  was found to be a linear function of  $\epsilon_A$ . The straight line passes through the origin of coordinates. Therefrom, it follows that  $\theta/(1 + \theta)$  is approximately constant. An evaluation of the ratio  $a_A/a_{Ph}$  confirms that the intra-

molecular transfer of energy in octyl benzene takes place more probably than the intermolecular energy transfer from aliphatic chains to phenyl rings. The statements by P. Avivi, A. Weinreb (see below) saying that the energy transfer from polystyrene to 2,5-diphenyl oxazol or anthracene does not depend on whether the luminophore molecule is chemically bound to the polystyrene molecule do not contradict the above-mentioned opinion. The energy absorbed by the aliphatic chain is transferred to the neighboring phenyl ring of polystyrene. Luminescence arises due to the intermolecular energy transfer from the phenyl ring to the luminophore. There are 1 figure, 1 table, and 8 references: 1 Soviet and 7 non-Soviet.

Card 3/5 ✓

S/844/62/000/000/009/129  
D290/D307

AUTHORS: Bagdasar'yan, Kh. S., Izrailevich, N. S. and Krongauz,  
V. A.

TITLE: Intramolecular migration of energy in irradiated alkyl-  
benzenes

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khi-  
mii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962,  
70-73

TEXT: The authors measured the radical yields after the irradia-  
tion of toluene, ethylbenzene, cumene, n-butylbenzene, n-octyl-  
benzene, benzene, n-hexane, n-octane, and an equimolecular mixture  
of benzene and n-octane with Co<sup>60</sup>  $\gamma$  rays; iodine was used as a ra-  
dical acceptor. In general, the radical yields were lower for the  
alkylbenzenes than would be expected if the yields were additive;  
in particular, the radical yield was much lower for octylbenzene  
than for the octane-benzene mixture. From these results the pro-  
babilities of intra- and intermolecular energy transfers are cal-

Card 1/2

IZRAILEVICH, S.M.

Therapy of residual manifestations of cerebral trauma by local application of mud in the region of the cicatrix. Zhur.nevr. i psikh. 55 no.9:672 '55. (MLRA 8:11)

1. Ukrainskiy institut kurortologii (dir.--dotaent A.V.Sokolov)  
(BRAIN, wounds and injuries,  
ther.,mud.ther. in region of cicatrix)  
(WOUNDS AND INJURIES,  
brain, mud.ther. in region of cicatrix)  
(MUD THERAPY, in various diseases,  
brain inj.,application to region of cicatrix)

ROMANOVA, N.P., kand. biol. nauk; IZRAILEVICH, V.I.

Treating ascariasis in anthropoid apes. Sbor. st. Mosk. zoop.  
no.2:120-121 '58. (MIRA 11:12)  
(Parasites--Orangutans) (Ascarids and ascariasis)  
(Santonin)

S/276/63/000/004/004/007  
A052/A126

AUTHORS: Fel'dshteyn, E.I., Molochkov, A.V., Izmailovich, Ya.S.,  
Korzhenevskiy, Z.I.

TITLE: New method of tool cooling on gear-cutters

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 4,  
1963, 183 - 184, abstract 4B1021. (Prom-st' Belorussii, no. 7  
(50), 1962, 35 - 39)

TEXT: The atomizing of liquids in the form of a spray by means of compressed air has found its application in turning and milling operations. It prolongs considerably the service life of the tool whereas the liquid consumption decreases and makes up 100 - 700 g/hour for emulsion and 0.5 - 2 g/hour for oil. The results are reported of the introduction of tool cooling with atomized liquids on gear-milling and gear-shaping machines at the Minsk spare part plant. The investigation has established that the introduction of this method prolongs the service life of the tool and cuts the sulfofraesel consumption. This secures a yearly saving of 500 roubles per gear-milling machine and 150 roubles per gear-shaping machine.. A compara-

Card 1/2

9/27/65/000/004/004/007

A052/A126

New method of tool cooling on gear-cutters

tive testing of three installations was carried out. The design of the Ivanovo textile institute was approved as the best installation securing a stable and easily controlled air mixture "torch". Seven sorts of lubricating-cooling liquid were tested in gear-milling. The best results with respect to the service life of the tool (an 1.5 increase) gives atomized anticorrosion water (0.3% sodium nitrite, 0.3% calcined soda, the balance water) at 2 kg/cm<sup>2</sup> air pressure and 600 - 700 g/hour liquid consumption. In gear-shaping the application of atomized anticorrosion water also prolongs the service life of the tool by a factor of 1.5 compared with sulfophthalocool cooling (dropping jet). The installation for atomizing cooling liquids and the mixture design are described. There are 5 figures and 2 tables.

[Abstracter's note: Complete translation.]

Card 2/2

S/121/63/000/c02/007/010  
DO40/D112

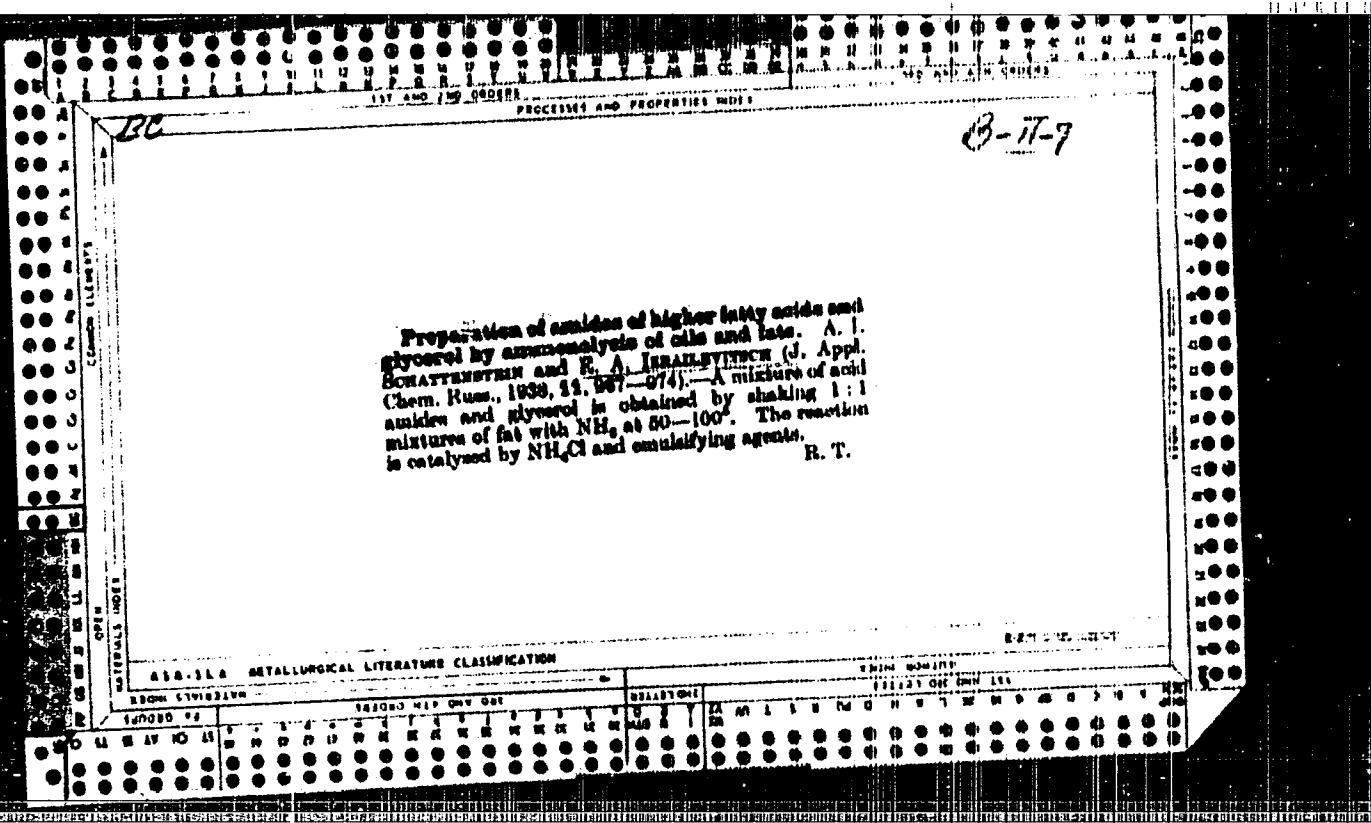
AUTHORS: Fel'dshteyn, E.I., Molochkov, A.V., Israilevich, Ya.S., and Korzhenevskiy, Z.I.

TITLE: Cooling gear cutting tools by sprayed fluid

PERIODICAL: Stanki i instrument, no. 2, 1963, 31-33

TEXT: Experiments conducted jointly by the Beloruskiy politekhnicheskiy institut (Belorussian Polytechnic Institute) and the bazovaya zuborezhdai laboratoriya (Basic Gearcutting Laboratory) of the SNKh BSSR at the Minskij zavod zapasnykh chastej (Minsk Spare Parts Plant) have shown that a water spray with 0.3% of sodium nitrite and 0.3% of soda ash was the best cutting fluid. The life of cutters cooled by this spray was 1.5 times longer than those cooled by sulfosazol, which in turn gives a considerably longer tool life than oil spray or emulsions. This effect is explained by the intensive cooling of the worn surfaces of the tool, and by the peculiar dissociation effect of the aqueous electrolyte solutions. Use of the water spray also eliminates gear washing after cutting, facilitates machine cleaning, and generally improves working conditions for the operators. The new method is now being used on dozens of gear generators at the above-

Card 1/2



IZRAILEVICH4YE8A8

1. SHATENSHTEYN, A. I.; IZRAILEVICH, Ye. A.

2. USSR (600)

"The Physico-Chemical Properties of Solutions in Liquefied Gases--25. Methods of Spectrophotometry of Solutions in Liquefied Gases," Zhur. Fiz. Khim., 19, No. 12, 1939.  
Physico-Chemical Inst. imeni Karpov, Lab. of Liquefied Gases. Received 22 July 1939.

9. [REDACTED] Report U-1615, 3 Jan. 1952.

Method of spectrophotometry for solutions in liquefied gases.  
Absorption spectra (in the visible region) of solutions of nitro-  
and nitro-oximes in liquid ammonia, liquid liquid sulphur  
dioxide). A. I. Schel'tschenko and V. A. Lur'e (Vestn. Akad. Nauk SSSR, No. 10, 1959). Apparatus for  
the investigation of absorption spectra of solutions in liquefied  
gases at -196° C described. Absorption spectra in the  
visible are measured for solutions in liquid carbon dioxide  $NH_3$ ,  
and liquid  $NH_3$ , containing 50% of a basic red indicator,  
and also of red indicator in liquid  $SO_2$ . The results confirm  
that the acid-base equilibrium in a solution depends on the  
nature of the solvent, and that  $SO_2$  is an acidic solvent.  
V. I. G.

IZRAILEVICH, Ye. A.

"Aromatic Nitro Compounds, such as Acids and Acid-Like Substances in Lipid Aromatic", Shir.  
Fiz. Khim., 16, Nos. 3-4, 1942. Moscow  
Physico-Chemical Institute imeni L. Ya. Karpov,  
Laboratory of Non-Aqueous Solutions.  
Received 26 April 1941.

Report U-1523, 24 Oct. 1951

Physico-chemical investigations of solutions in liquid ammonia.  
XXXIX. Catalysis activity of nitro-indicators in liquid ammonia.  
Salt effect in the ammonolysis of pilocarpine. E. A. Iradzevitsh  
and A. I. Schattenecker (*J. Phys. Chem. Russ.*, 1943, 17, 24-31).  
The rate of ammonolysis of santonin in liquid NH<sub>3</sub> at 20-35° is  
almost unaffected by NEt<sub>3</sub>, Cl, o-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>, p-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NHAc,  
o-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NHMe, m-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> or 2:4:1-(NO<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>,  
and raised in the order o-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> (I) < o-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NHAc <  
m-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NHAc < 2:4:1-(NO<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> < phenolphthalein  
< CH<sub>3</sub>Ac < m-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>OH, 2:4:6:1-(NO<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> <  
p-NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>OH (II); m-(I) raises the rate 4 times, and m-(III) 700  
times. The catalytic activity increases with the acid strength of the  
catalyst. The rate of ammonolysis of pilocarpine in liquid NH<sub>3</sub> +  
0.09n-NH<sub>4</sub>NO<sub>3</sub> at 20° is raised by NaNO<sub>3</sub> (1.3 times) < LiNO<sub>3</sub> <  
Ba(NO<sub>3</sub>)<sub>2</sub> < Sr(NO<sub>3</sub>)<sub>2</sub> < Ca(NO<sub>3</sub>)<sub>2</sub> (18.5 times for a n. solution). The  
salt effect of cations is the stronger the more "acid" is the cation.

J. J. B.

IZRAILEVICH, YE. A.

57/49T106

USSR/Physics  
Gases, Liquefied  
Viscosity

Apr 49

"Methods for Measuring the Viscosity of  
Liquefied Gases," A. I. Shatenshteyn, Ye. A.  
Izrailevich, N. I. Ladyzhnikova, Physicochem  
Inst imeni L. Ya. Karpov, 2 $\frac{1}{2}$  pp

"Zhur Fiz Khim" Vol XXIII, No 4

Describes a capillary viscometer for measuring  
viscosity of compressed gases. Measured viscosity  
of liquid NH<sub>3</sub> at 15, 20, and 25°C. Submitted  
2 Jul 48.

57/49T106

IZRAILEVICH, Ya, A.

USSR/Chemistry - Aromatic Compounds; Isotopes 21 Jul 51

"Mobility of Hydrogen in Aromatic Compounds," A. I. Shatenshteyn, N. M. Dykhno,  
Ye. A. Izrailevich, L. N. Vasil'yeva, M. Fayvush, Sci Res Phys Chem Inst imeni  
L. Ya. Karpov

"Dok Ak Nauk SSSR" Vol LXXIX, No 3, pp 479-482

Using liquid deutoero-ammonia in the presence of potassium amide, found that rate of isotope exchange increases with the number of rings from benzene to phenanthrene. All hydrogen atoms in toluene, m-xylene, mesitylene, methylnaphthalene, anisole, methoxynaphthalene, dimethylaniline, triphenylmethane, and fluorene are exchanged. In completely hydrogenated aromatics the rate of exchange is greatly impeded. Electroneg substituents increase the rate of exchange while electropos substituents reduce it. In toluene, the rate of exchange of methyl hydrogen atoms is 100 times greater than that of nuclear hydrogen atoms.

PA 211T24

IZRAILEVICH, Ye A.

USSR/Chemistry - Nitro Compounds

Mar 52

"Absorption Spectra of Solutions of Complexes of Nitro and Azo Compounds With Potassium Amide in Liquid Ammonia," A. I. Shatenshteyn, Ye. A. Izrailevich,  
Phys Chem Inst imeni L. Ya Karpov, Moscow

"Zhur Fiz Khim" Vol XXVI, No 3, pp 377-387

Shows that the reason for changes in the longwave region of spectra of aromatic nitro compds brought about by liquid NH<sub>3</sub> is formation of acidbase complexes under participation of NH<sub>2</sub><sup>-</sup> ions. Azo and azoxy compds existing in the form of anions form colored complexes with NH<sub>2</sub><sup>-</sup> ions just as nitro compds do. Suggests comparative investigation of azo compds in the form of anions, neutral mol's, and cations.

PA 213T33

USSR Chemistry - hydrocarbons,  
Isotopes

Ye. A. I. Israilevich

11 July 52

"The Mobility of Hydrogen in Certain Hydrocarbons," A. I. Shatenshteyn, L. N. Vasil'yeva,  
N. M. Dykmo, and Ye. A. Israilevich

DAN SSSR, Vol 85, No 2, pp 381-384

The mobility of H in various hydrocarbons was measured using heavy ammonia and potassium  
amide. Presented by Acad A. N. Frumkin 7 May 52.

256T10

USSR/Physics - Spectral analysis

Card 1/1 Pub. 43 - 12/62

Authors : Landsberg, G. S.; Shatenshteyn, A. I.; Peregudov, G. V.; Izrailevich,  
Ye, A.; and Novikova, L. A.  
Title : Oscillation spectra of diphenyl and deca-deuterated phenyl molecules

Periodical : Izv. AN SSSR. Ser. fiz. 18/6, 669-671, Nov-Dec 1954

Abstract : The oscillation spectra of  $C_{12}H_{10}$  and  $C_{12}D_{10}$  and the dipolarization of combined diffusion spectra were investigated and the importance of such studies for theoretical interpretation and calculation of spectra is explained. New possibilities for the derivation of deuterated arom. hydrocarbons discovered during the study of isotopic exchange reaction in liquid deutero-ammonia in the presence of potassium amide are briefly discussed. The number and possible types of oscillations of the hydrocarbon molecules are tabulated. Five USSR references (1950-1954). Tables

Institution : Acad. of Sc., USSR, The P. N. Lebedev Physics Inst. and the L. Ya. Karpov Phys.-Chem. Inst.

Submitted : .....

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619410011-8"

CLASS

(2)

10922\* Interactions of Atoms in Molecules of Certain  
Aromatic Hydrocarbons According to the Experiments of  
Isotopic Hydrogen Exchange. (Russian.) A. I. Shatalov  
and L. V. Zhdanovich. *Vestn. Akademii Nauk SSSR*, v. 11, no.  
5, Feb. 11, 1954, p. 923-926.

Investigates toluene, ethyl, isopropyl-*n*-, and *tert*-butylbenzenes.  
Tables. 5 ref.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410011-8

*TERAIL'EVICH*

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410011-8"

SHATENSHTEYN, A.I.; IZRAILEVICH, Ye.A.

Influence of  $\pi$ -electrons in hydrocarbon molecules upon the isotopic exchange of hydrogen in these molecules in the case of catalysis by potassium amide. Dokl.AN SSSR 108 no.2:294-297 My '56. (MIRA 9:9)

1. Laboratoriya izotopnykh reaktsiy nauchno-issledovatel'skogo fiziko-khimicheskogo instituta imeni L.Ya.Karpova. Predstavлено академиком V.A.Karginym.  
(Hydrocarbons) (Hydrogen--Isotopes)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410011-8

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410011-8"

FRIGHOT AG, A F

24(7) b 3 PHASE I BOOK EXPLOITATION 809/1555  
L'vov, Universitet

Materialy X Vsesoyuznogo soveshchaniya po spektroskopii. t. 1:  
Molekul'arnaya spektroskopiya (Papers of the 10th All-Union  
Conference on Spectroscopy. Vol. 1: Molecular Spectroscopy)  
(L'vov) Izd-vo L'vovskogo universita, 1957. 499 p. 4,000 copies  
printed. (Series: Itai: Pis'mennyj zhurnal, vyp. 3/8/)

Additional Sponsoring Agency: Akademiya nauk SSSR. Knizhschaya po  
spektroskopii. Ed.: Jazcer, S.L.; Tech. Ed.: Saranyuk, T.V.;  
Editorial Board: Lavisterg, O.S., Academician (Resp. Ed., Banned),  
Neport, B.S., Doctor of Physical and Mathematical Sciences,  
Fabelinskij, I.L., Doctor of Physical and Mathematical Sciences,  
Fabrikant, V.A., Doctor of Physical and Mathematical Sciences,  
Kornitavis, V.O., Candidate of Technical Sciences, Mayakki, N.M.,  
Candidate of Physical and Mathematical Sciences, Timovskij, L.K.,  
Candidate of Physical and Mathematical Sciences, Miliyanchuk, V.S.,  
A. Ye., Candidate of Physical and Mathematical Sciences, and Glauberman,  
Candidate of Physical and Mathematical Sciences.

Card 1/30

Mazarov, I.W., L.A. Kazitsyna, and I.I. Zaretskaya. Determination of the Structure of Carbonyl Compounds From Absorption Spectra of Their 2,4-dinitrophenyl- hydrazones	185
Jarailovich, Ye. A., D.N. Shigorin, et al. Absorption Spectra of Carbanions	186
Popov, Ye. M. Infrared Spectra of Some Thiophosphoric Organic Compounds	188
Bagratishvili, O.D., And D.N. Shigorin. Infrared Spectra and the Structure of Certain Azo Dyes and Their Hydrochlorides	189
Vasenko, Ye. M. Effect of the Solvent on the Position of Absorption Bands in the Infrared Spectrum of Amides	190
Card 13/30	192

CHATTERJEE, A. L., INVENTOR; IN. D.

"Preparation of Deuterated Organic Compounds."

Invention, Attached hereto and made a part hereof, is described in the accompanying Interim Patent Application, Serial No. 1,350,000.

Based on the research results obtained by the inventors, it is believed that the deuterium labeled organic compounds will be useful in the field of organic chemistry.