

PISAREV, St.; YIPROV, D.

Functional (EKG) and morphological (histopathological) experimental studies on the pathogenesis of acute rheumatic fever. Suvrem med., Sofia no.6: 51-56 '60.

1. Iz Katedrata po patofiziologija pri VMI, Sofia (Rukov. na katedrata: prof. St.Pisarev)
(RHEUMATIC FEVER exper.)
(ELECTROCARDIOGRAPHY exper.)

PISAREV, St.; KEMILEVA, Z.

The role of disorders of the nervous system on the course and treatment of experimental arthritis and myocarditis. Suvrem med., Sofia no.1:83-90 '61.

1. Katedra po patofiziologija pri Visshia meditsinski institut, Sofiia. (Rukov. na katedrata prof. St. Pisarev.)

(MYOCARDITIS exper) (ARTHRITIS exper)
(CENTRAL NERVOUS SYSTEM physiol)

Infectious Diseases

BULGARIA

ZHEKOV, S., RAYKOV, A., MARKOV, M., and PISAROV, S.; Chair of Pathophysiology (Head Prof St. Pisarov) and Chair of Microbiology (Head Prof Sv. Burdakov), Higher Medical Institute, Sofia

"Effect of the Endotoxin of Salmonella Typhimurium on Streptococcal Myocarditis in Rats"

Sofia, Suvremenna Medicina, Vol 17, No 11, 1966, pp 926-930

Abstract: S. Zhakov (Suvremenna Medicina, Vol 5, No 6, 21-24, 1954) established that alimentary toxicoinfection caused by *S. typhimurium* improved considerably the condition of persons with chronic rheumatic fever. In experiments that were conducted, it was found that intraperitoneal injections of *S. typhimurium* endotoxin had a therapeutic effect in experimental myocarditis of rats produced by infection with beta-hemolytic streptococci. The rate of survival of experimental animals was higher than that of controls. There were considerable differences between experimental and control animals as far as the erythrocyte sedimentation rate and the histomorphological state of various organs were concerned. Tables, 4 references (all Bulgarian). Russian and English summaries. Manuscript received Jul 66.

1/1

PISAREV, S., k.m.n.; KEMILEVA, Z., k.m.n.; NEDEVA, V.; DIMITROV, L., k.m.n.;
KIPROV, D., k.m.n.; DOSKOV, Iv.

Role of higher nervous activity in the development and recovery from
experimental arthritis and myocarditis. Nauch. tr. vissh. med. inst.
Sofia 39 no.2:57-82 '60.

1. Predstavena ot prof. Pisarev, zav. Katedrata po patofiziologija.

(ARTHRITIS RHEUMATOID exper)
(MYOCARDITIS exper)
(CENTRAL NERVOUS SYSTEM physiol)

PISAREV, S.; KEMILEVA, Z.; KIPROV, D.; DIMITROV, L.; NEDEVA, V.; DOSKOV, I.

Effect of neuroses on the course and therapy of experimental arthritis and myocarditis. Suvrem.med., Sofia 2 no.1:8-15 '60.

1. Iz Katedrata po patologichna fiziologija pri VMI - Sofia. Zav. Katedrata prof. St.Pisarev.

(ARTHRITIS exper.)

(MYOCARDITIS exper.)

(NEUROSES exper.)

PISAREV, S.

"Experimental myocarditis in dogs, and its relation to human pathology according to electrocardiogram and histopathological indexes."

IZVESTIYA. SERIYA EKSPERIMENTALNA BIOLOGIYA I MEDITSINA, Sofia, Bulgaria, No. 2, 1957.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

PISAREV, St.; MILANOV, St.; MARINOV, Khr.; ZHEREV, St.

Experimental studies on the etiology and pathogenesis of rheumatic diseases. *Suvr. med. (Sofia)* 16 no.7:400-405 '65.

1. Katedra po patologichna fiziologiya (rukovoditel - prof. St. Pisarev), Vlash meditsinski institut, Sofia.

PISAREV, St.

Some trends and results obtained in experimental studies of
rheumatic diseases. Na.ch. tr. visst. med. inst. Sofia 41 no. 3
15-21 '62.

1. Predstavena ot prof. St. Pisarev.
(RHEUMATISM)

PISAREV, St.; KEMILEVA, Z.

Role of certain therapeutic remedies in the recurrence of experimental arthritis and myocarditis. Suvrem. med., Sofia 11 no. 2-3: 133-137 '60.

1. Iz Katedrata po patologicchna fiziologija pri VMI - Sofia, Rukov. na Katedrata: prof. St. Pisarev.
(RHEUMATIC HEART DISEASE exper.)

PIDAREV, S.

"Role of the Central Nervous System in the Pathogenesis of Experimental Arthritis and Myocarditis." p. 2,
(ZDRAVAVN FRONT, No. 4, Nov. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

PISAREV, S. G.

Gorodskoi Transport (City Transport), Moscow-Leningrad, 1948.

PISAREV, S.; MEDEV, V.; LINDEN, B.; DIMITROV, I.; GORANOV, I.; KALINOV, Z.

Certain data on the effect of cortisone on dopaminergic system. *Sovrem.med.*
vol.10, no.11:11-15, 1956.

1. Iz kateirata po ontofiziologija pri W. - 1956. (Sovrem.med.)
prof. St. Pisarev.

(Sovrem.med.)

FISAREV, S. G.

Elektrifikatsiia prigorodnogo dvizheniia v SSSR. / Electrification of suburban traffic
in the U. S. S. R. /. (Elektrifikatsiia zhel-dor. transporta, 1933, no. 7,
DLC: TF701.E27

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

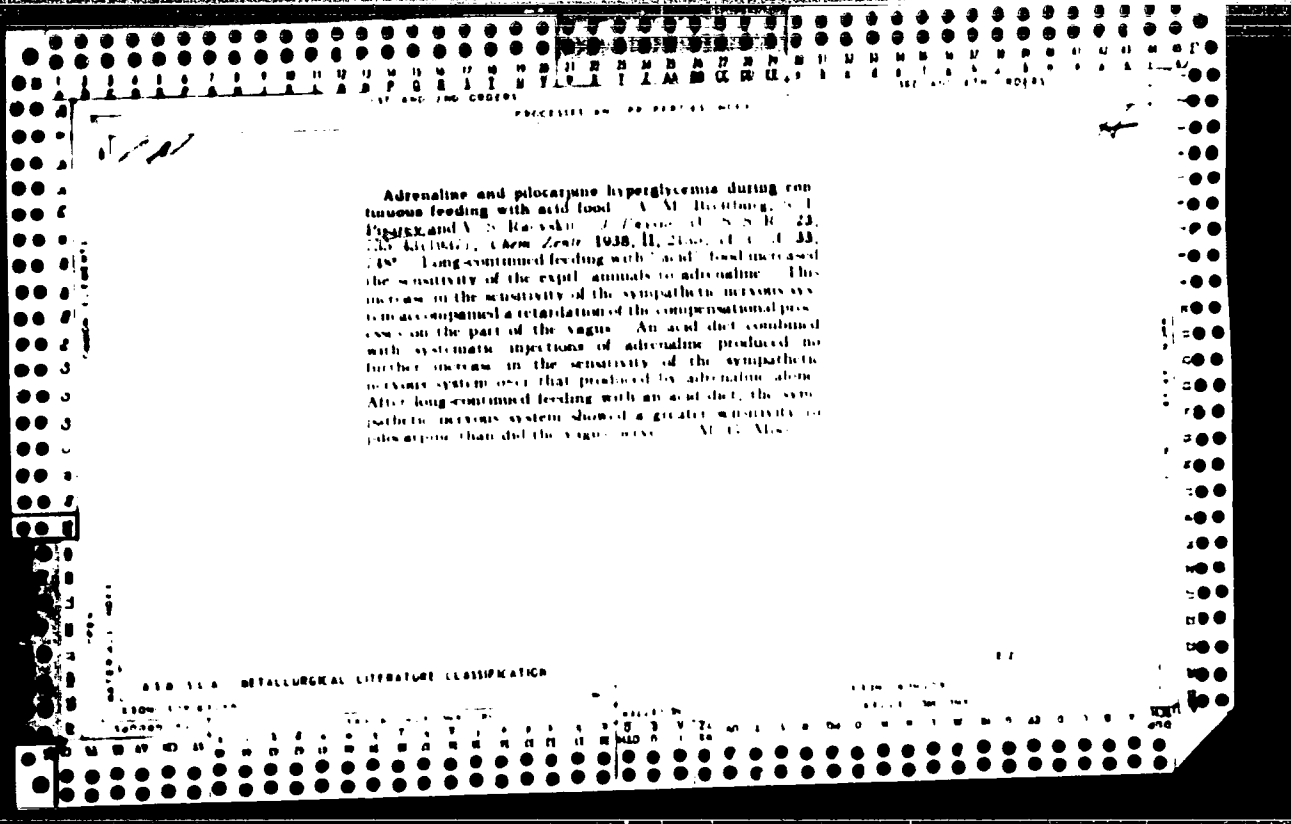
PISAREV, S. G.

Gorodskol transport. [City transportation] Moskva, Ministerstvo Kommunal nogo
khoz-va RSFSR, 1948. 503 p.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress
Reference Department, Washington 1952, Unclassified

PISAREV, S.G., professor, doktor tekhnicheskikh nauk; BUTVAGIN, V.A.,
redaktor; ZISEL'SON, N.A., tekhnicheskiiy redaktor.

[City transportation] Gorodskoi transport. Moskva, Izd-vo
Ministerstva kommunal'nogo khoziaistva RSFSR, 1948. 502 p.
[Microfilm] (MLRA 8:9)
(Traffic engineering)



Adrenaline and pilocarpine hyperglycemia during continuous feeding with acid food. V. M. Il'inskiy, V. I. Pys'kix, and V. S. Raevskiy. *J. Exper. Biol. USSR*, 23, 235-243 (1947), *Chem. Zvest.* 1938, 11, 2100, 2101, 2102, 2103. Long-continued feeding with acid food increased the sensitivity of the experimental animals to adrenaline. This increase in the sensitivity of the sympathetic nervous system accompanied a retardation of the compensational processes on the part of the vagus. An acid diet combined with systematic injections of adrenaline produced no further increase in the sensitivity of the sympathetic nervous system over that produced by adrenaline alone. After long-continued feeding with an acid diet, the sympathetic nervous system showed a greater sensitivity to pilocarpine than did the vagus nerve. M. G. Alex.

659.15.0 - METALLURGICAL LITERATURE CLASSIFICATION

BULGARIA / Microbiology. Microbes Pathogenic for Man and Animals. General Problems. F

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24042
Author : Pisarev, S. I.; Yefremova, A.; Kiprova, D. I.
Inst : Medical Institute of Bulgaria
Title : Serological and Bacteriological Investigations
in Experimental Myocarditis in a Dog
Orig Pub : Izv. Med. in-ti. Bulg. Ak. 1957, kn. 14,
187-207
Abstract : No abstract given

Card 1/1

PISAREV, S.I.; EPREMOVA, A.; KIPROV, D.I.

Serological & bacteriological research on experimental myocarditis in dogs. Izv. Mikrob. inst., Sofia no.8:187-203 1957.

1. Katedra po patologichna fiziologija (zav. prof. S. I. Pisarev) i katedra po epidemiologija s infektsionni bolesti (zav.: prof. P. Verbev pri visshia meditsinski institut v Sofia.

(MYOCARDITIS, exper.

serol. & bacteriol. in dogs (Bul))

PISAREV, S.P.

Theory of vibration mills. Nauch. trudy MGI no. 32:47-60
'60. (Crushing machinery) (Vibrators) (MIRA 14:2)

PISAREV, S.P.

Vibration mill with rectilinear vertical trajectory of crusher chamber motions. Nauch. trudy MGI no. 32:61-71 '60.

(Crushing machinery)

(Vibrators)

(MIRA 14:2)

PISAREV, S. P., Cand Tech Sci -- (diss) "Study of the crushing process in vibration mills and an analysis of the performance of vibration mills with straight-line vertical trajectories of motion of the milling chambers." Moscow, 1960. 12 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Mining Inst in I. V. Stalin; 150 copies; free; (KL, 18-60, 152)

The drying of steel pouring ladles with the waste products of combustion. S. S. Dzhakar, R. I. Popov, I. B. Antrimov, G. S. Pavlov and A. M. Ostromov. *Journal of Iron and Steel Inst.* No. 11, 42 (1964). Expts. conducted at the open hearth department of the Leningr. metallurgical plant made it possible to dry the steel pouring ladles with the combustion waste gases instead of burning the more expensive mazut. The withdrawal of combustion gases did not affect the operation of the furnace. R. Z. Kamsh

PISAREV, St. I., Prof. d-r.; DOSKOV, Iv. D-r.; KIPROV, D., D-r.

ECG changes in dogs with experimental myocarditis with respect to pathomorphological parallels. Izv. Mikrob. inst., Sofia no.8:205-232 1957.

1. Katedra po propedevtika na butreshnite bolesti (zav.: prof. Iv. Ionkov) i katedra po patologichna fiziologija (zav.: prof. S. I. Pisarev) pri visshia meditsinski institut v Sofia.

(MYOCARDITIS, exper.

eff. on ECG in dogs (Bul))

(ELECTROCARDIOGRAPHY, in various dis.
myocarditis in dogs (Bul))

4;

PROCESSES AND PROCEDURES

25

The use of glucose for the reduction of vat dyes. F. H. Nannov and T. H. Pinnery. *Akhopchatskaya. From 10, No. 11-12, 31-3(1940); Chem. Zvest. 1941, II, 2197*

—Printing experiments were carried out with a glucose which contained 88-90% of reducing agents and therefore had about the same reducing power as hyposulfite, although its manner of action was different. Hyposulfite decomposes readily with the liberation of active H. Glucose, on the other hand, is itself reduced to alcoh. by H. The aldehyde H of glucose readily combines with O, with conversion of the carbonyl group into an acid group. Printing experiments with vat dyes of Russian manufacture are described in detail. The results indicate that Bromo Indigo, Thio Indigo S, Thio Indigo Scarlet OO, Malindau Orange M, and Vat Red KH can be printed with glucose without essential change in shade. Indanthrene Yellow G, Indanthrene Golden-Yellow GK, Indanthrene Brilliant Green B, Indanthrene Brilliant Violet RR, Indanthrene Dark Blue BO and Helion Yellow all give satisfactory prints when the hyposulfite-glucose process is used. M. G. Moore.

METALLURGICAL LITERATURE CLASSIFICATION

SECTION OF	INDUSTRY	CLASSIFICATION	INDUSTRY

FIGAREVA, I.N. (Leningrad)

Metabolism of esters of caffeine and the role of ... in ...
the body. Arkh.fat. ... 7:3-... 195.

... Voenno-meditsinskaya shkola imeni Iakima akademika ... M. ...
(nauchnyy rukovoditel' - prof. ... I. ... sov).

FIGAROV, Vasiliv [phon], [phon] [phon], [phon] [phon], [phon] [phon],
[phon] [phon], red

[The Mongolian People's Republic on the path to the comple-
tion of the building of socialism, MNr na puti k zaversheniu
stroitel'stva setsializma. Moscow, Izd-vo "Nauka," 1974. 168 p.]

PISAREV, V., prof.

Recent studies on the physiology of corn ("Physiology of corn",
by S.S.Andreenko and F.M.Kuperman. Reviewed by V.Pisarev).
Nauka i pered.op.v sel'khoz. 9 no.12:74 D '59. (MIRA 13:4)
(Corn (Maize)) (Andreenko, S.S.) (Kuperman, F.M.)

KUPZMAN, F., doktor biolog. nauk; PISAREV, V., doktor sel'skokhoz. nauk

A good monograph ("Siberian millet" by E.T. Varenitsa. Reviewed by F. Kuperman and V. Pisarev). Nauka 1 pered. op. v sel'khoz. 9 no.4:78-79 Ap '59. (MIRA 12:6)
(Millet) (Varenitsa, E.T.)

PISAREV, Viktor Ayerkiyevich; REVUT, D.B., spets. red.; FRISHMAN, Z.S., red.
izd-va; KOTLYAKOVA, O.I., tekhn. red.

[Shipborne radio equipment] Radiooborudovanie morskikh sudov. Lenin-
grad, Izd-vo "Morskoi transport," 1961. 254 p. (MIRA 14:8)
(Radio--Installation on ships)

PISAREV, VIKTOR AVERKIYEVICH

Radiooborudovaniye Morskikh Sudov. Leningrad, Izd-vo "Morskoy Transport",
1961.

254 p. illus., diags., graphs, maps, tables.

Bibliography: p. 253.

PISAREV, V., prof.; ZHILKINA, M., nauchnyy sotrudnik

Krasnozernaia, a new spring wheat variety. Nauka i pered.
op.v sel'khoz. 9 no.11:43-46 N '59. (MIRA 13:3)
(Wheat--Varieties)

PISAREV, V. D.; PANTELEYEV, N. A.

Compact color tape pulse recorder. Vest.Mosk.un Ser.3:Fiz.,
astron.19 no. 2:64-66 Mr-Apr '64. (MIRA 17:5)

1. Kafedra fiziki morya i vod suzhi Moskovskogo universiteta.

KOLESNIKOV, A.G.; PANTELEYEV, N.A.; PISAREV, V.D.; VAKULOV, P.V.

Deepwater autonomous turbulence meter, an instrument for recording the turbulent velocity fluctuation and the temperature of the ocean. *Okeanologia* 3 no.5:911-921 '63. (MIRA 16:11)

KOLESNIKOV, A.G.; PANTELEYEV, N.A.; FISARFV, V.D.

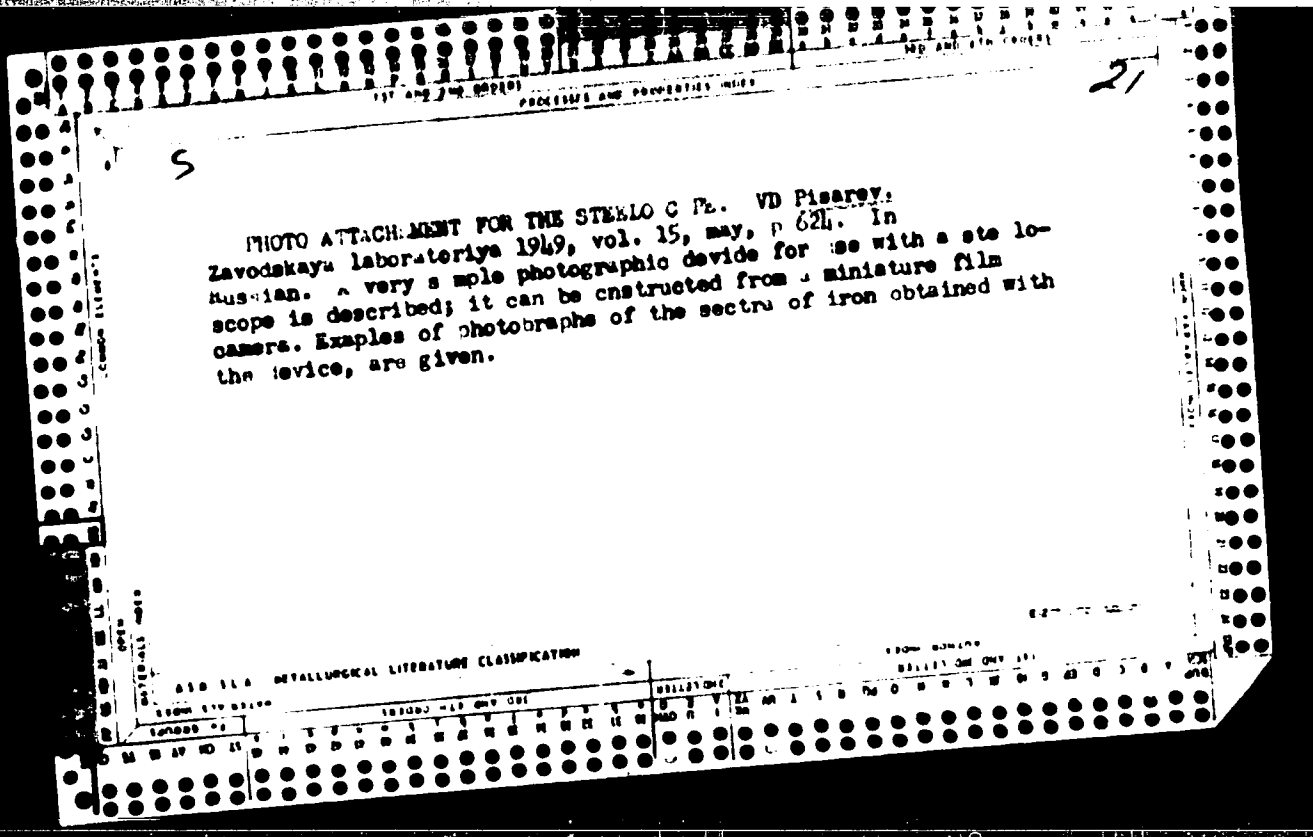
Direct determination of the intensity of turbulent exchange in
the depths of the Atlantic Ocean. Dokl. AN SSSR 155 no. 4:788-
791 Ap '64. (MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom V.V.Shuleykinym.

FISAREV, V. D. KOLESNIKOV, A. G. PANTELEYEV, N. A.

The Results of Direct Definitions of the Intensity of Deep-water Turbulent
Diffusivity in the Atlantic Ocean.

report submitted for the 13th General Assembly IUGG, (Oceanography) Berkeley,
California, 19-31 Aug 63



PISAREV, V. D.

U.S.S.R.

L-Spectrum analysis of soils. V. D. Pisarev. *Trudy Sibirskogo Nauch. Inst., Tomsk*, 1951, No. 33, 53-62. Referat. *Zhur., Khim.* 1954, No. 19099. — A review and some general principles are given. 36 references. M. Hozen.

USSR/ Chemistry - Quantitative analysis

Card 1/1 **Feb. 43 - 67/97**

Authors : Pisarev, V. D.; Kornilov, A. V.; and Kostrova, Z. P.

Title : **Spectral analysis of stannous babbits**

Periodical : **Izv. AN SSSR. Ser. fis. 18/2, 284-285, Mar-Apr 1954**

Abstract : **Brief announcement is made on the development of a method for quantitative spectral analysis of babbits (Sn-Sb-Cu alloys) for their content of elements (Cu, Sb, Pb, Bi, Fe and As). The rapidity and accuracy of the spectral analysis method were found to satisfy the requirements of industry. Table.**

Institution :

Submitted :

PISAREV, V.D.; KORNILOV, A.V.; KOSTROVA, Z.P.

Spectrum analysis of black tin. Izv.AN SSSR.Ser.fiz.19 no.2:210-211
Mr-Apr '55. (MLBA 9:1)

1.Novosibirskiy institut inzhenerov zheleznodorozhnogo transporta.
(Tartu--Spectrum analysis--Congresses)

Category USSR/Optics - Optical methods of analysis Instruments

K-7

Abs Jour : Ref Zhur - Fizika No 1, 1957 No 2520

Author Rivkina, M A , Pliginskii, V D Kornilov, A V , Kostrova Z P , Kotel'nikova L A , Levchenko M F

Inst Novosibirsk Inst of Railroad Transport Engineers and Novosibirsk Tin Plant, USSR

Title Spectral Analysis of Tin

Orig Pub Zavod laboratoriya 1955, 2., No 9, 1081-1083

Abstract Description of a method for the spectral analysis of tin of various grades with impurities of Bi, Pb, As, Sb, Bi, and Fe. Standard samples for the determination of Bi, Pb, Sb, and Cu were obtained by diluting the dual alloys (one of these elements and tin) in pure tin. Standards for As and Fe were prepared separately. A description of the analysis procedure is given. The mean arithmetic error in the determination of the impurities in the tin does not exceed 1.5%. The analysis of a single sample for six elements lasts 50-60 minutes.

Card : 1/1

PISAREV, V. D

7
2
8

V Spectrum analysis of tin slag. V. D. Pisarev, A. V. Kopylov, and Z. P. Kostrov (Institute of Metallurgy, Zarechinsk Lab. 22, 104-10000, cf. C.A. 10, 3897).

The method of spectrum analysis of Sn slag, which proved satisfactory, involved the soln. of the slag after mixing with Na_2CO_3 and borax, and the soln. of the melt in HCl at 70-80°. The soln., dil. to 100 ml. and then taken add. in a portion of 1:1, gave a complex for spectrum analysis. Twelve ml. of a $\text{Ni}(\text{NO}_3)_2$ soln. contg. 5% Ni. was added to the 100 ml. soln. to produce a standard of comparison. The use of standards obtained in different processes than the sample tested may increase an error in the detn. by as much as $\pm 20\%$.

W. M. Sternberg

Prof
M.E.

RBW
all
1/2/54

V. D.

USSR/Optics - Optical Methods of Analysis. Instruments, K-7

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35871

Author: Pisarev, V. D.

Institution: None

Title: Spectral Methods for Analysis of Solutions

Original

Periodical: Zavod. laboratoriya, 1956, 22, No. 4 462-465

Abstract: Survey article

Card 1/1

USSR/Optics - Optical Methods of Analysis. Instruments.

K-7

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 13085

Author : Danilova, V.I., Pisarev, V.D.

Inst : -

Title : Choice of Method for Introducing the Sample Into the Discharge Zone During Spectral Analysis of Slags.

Orig Pub : Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom. un-te, 1956, vyp. 35, 36-44

Abstract : A comparison is made of data, obtained in the development of a procedure for a quantitative spectral analysis of slags when the latter are introduced into the discharge zone in the form of briquettes, on the channel of the electrodes, on a moving electrode, by sprinkling, and from a solution. Comparison of the errors, obtained upon insertion by various methods, makes it possible to conclude that the most suitable for practice is the method of introducing the slags into the discharge zone by solution.

Card 1/2

USSR/ Analytical Chemistry. General Problems. G-1

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27113.

Author : V.D. Pisarev.

Inst : Siberian Institute of Physics and Technology at
Tomsk University.

Title : Methods of Spectral Analysis of Solutions.

Orig Pub: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te.
1956, vyp. 35, 182 - 195.

Abstract: Review of works published in the Soviet Union
since 1934. Bibliography with 38 titles. See
also RZhKhim, 1956, 65215.

Card 1/1

Pisarey, V.D.

Depression of cyanogen bands in spectrum analysis of solutions. V. D. Pisarey and T. A. Ivanova (Inst. Railway Transport Engineers, Moscow, U.S.S.R.). *Zhur. Anal. Khim.* 12, 324-7 (1957).—Addn. of alkali metal salts to soings. depressed (CN)₂ bands in arc and spark spectra. The alkali metals having low ionization potentials lowered the temp. of the discharge and this resulted in weakening the (CN)₂ bands. However, the entire spectrum was weakened thereby. This effect of the alkali metals increased as their ionization potential decreased. Attenuation of the (CN)₂ bands improved the graphs of plotted analytical results. M. Hochmann

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4E3A

115

PISAREV, V.D.; IVANOVA, T.A.

Depression of cyan bands in spectral analysis of solutions (with
summary in English]. Zhurnal khim. 12 no.3:324-327 My-Je '67.
(MIRA 10.7)

1. Institut inzhenerov zheleznodorozhnogo transporta, Novosibirsk.
(Cyanides) (Spectrum analysis) (Solution (Chemistry))

PISAREV, V.D.; IVANOVA, T.A.

Eliminating cyanogen bands in the spectrum analysis of solutions.
Fig.sbor. no.4:524-527 '58. (MIRA 12:5)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo trans-
porta.
(Spectrum analysis)

SOV/58-59-5-11871

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 5, p 280 (USSR)

AUTHORS: Pisarev, V.D., Ivanova, T.L.,

TITLE: Comparison of Methods of Introducing a Solution Into the Discharge Gap During Spectral Analysis

PERIODICAL: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, 1958, Nr 36, pp 273-276

ABSTRACT: The authors investigated the accuracy and sensitivity of the spectral determination of Mg in solution in the case of capillary, rotating, and porous electrodes. They used a spark excitation source. All three methods of introducing a solution into the spark gap are more or less alike as regards their sensitivity, as well as their accuracy. The mean arithmetical error of reproducibility amounts to $\sim 4\%$.

Card 1/1

SCV/58-59-5-11881

Translation from Referativnyy Zhurnal Fizika, 1959, Nr 5, p 281 (USSR)

AUTHORS: Pisarev, V.D., Shipilova, D.P.

TITLE: Spectral Method of Determining the Thickness of Galvanic Platings

PERIODICAL: Tr Sibirsk, fiz.-tekhn. in-ta pri Tomskom un-te, 1958, Nr 36,
pp 277 - 279

ABSTRACT: To determine Ni-base Ag-platings the authors used the method proposed
by K I Taganov (Zav. laboratoriya, 1950, Vol 16, Nr 4, p 457).



Card 1/1


SOV/58-59-5-11878

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 5, p 281 (USSR)

AUTHORS: Pisarev, V.D., Kornilov, A.V., Kostrova, Z.P., Bragina, T.D.

TITLE: Spectral Analysis of Tin Slags

PERIODICAL: Tr Sibirsk. fiz. -tekh. in-ta pri Tomskom un-te, 1958, Nr 36, pp 269-272

ABSTRACT The authors describe a spectrographic method of analyzing tin slags, samples of which have been solubilized. They used an ISP-22 spectrograph and an IT-2 generator as the excitation source. The divergence from the results of chemical analysis is characterized by a mean arithmetical error of 3.2 - 7.5% 

Card 1/1

ACC NR: AP0036168

SOURCE CODE: UR/0188/66/000/005/0121/0123

AUTHOR: Panteleyev, N. A.; Pisarev, V. D.

ORG: Chair of Physics of the Sea and Inland Waters, Moscow University (Kafedra fiziki morya i vod sushi Moskovskogo universiteta)

TITLE: Strength calculation and watertight sealing of deep-sea measuring instruments

SOURCE: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 5, 1966, 121-123

TOPIC TAGS: hermetic seal, sealing device, compressive strength, compressive stress, oceanographic equipment, oceanographic instrument, watertight seal, turbulimeter

ABSTRACT: The Chair of Physics of the Sea and Inland Waters of the Physics Department of Moscow State University has designed, built, and tested a watertight steel container for housing automatic instrumentation for studying deep-sea turbulent exchange (see Fig. 1). The article presents the method for calculating container strength and illustrates the self-sealing watertight seals used for the cover, a plexiglass port, and the electrical leads from externally mounted sensors to the container interior. For a working pressure of 1100 kg/cm^2 and an inside diameter of the container of 26.4 cm, the calculated wall thickness is given as 42 mm, and the cover plate and bottom as 9 cm, with an adequate safety margin. Figure 2 shows the cover-plate seal, where 1 is the container, 2 is the cover bolt, 3 is the cover plate, 4 is a 10-mm-thick rubber gasket, and I and II are the cover-plate and container mating surfaces

Card 1/4

UDC: 551.460.18

L 10012-67
ACC NR: AP6036168

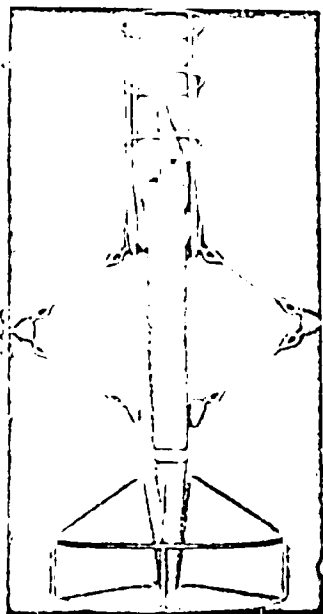


Fig. 1. Deep-sea turbulimeter

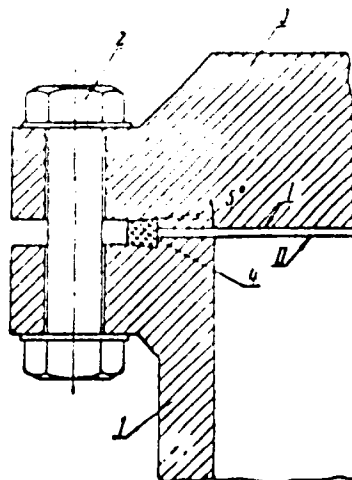


Fig. 2. Container cover-plate seal

7 10012-07
ACC NR: AP6036168

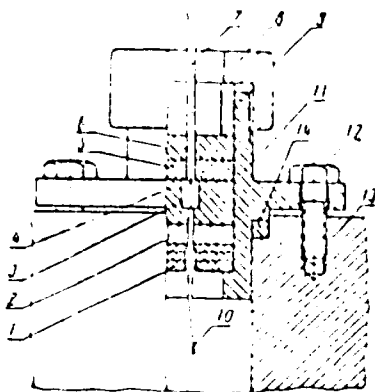


Fig. 3. Electrical-lead seal

1 - Steel support disk; 2 - rubber sea; 3 - flanged brass rod soldered to (7); 4 - textolite interface; 5 - rubber seating; 6 - steel pressure disk; 7 - 6-mm (o.d.) single-strand, rubber-sheathed wire; 8 - end nut; 9 - bushing; 10 - wire soldered to (3); 11 - bushing; 12 - bolt; 13 - cover plate; 14 - round rubber gasket.

Card 3/4

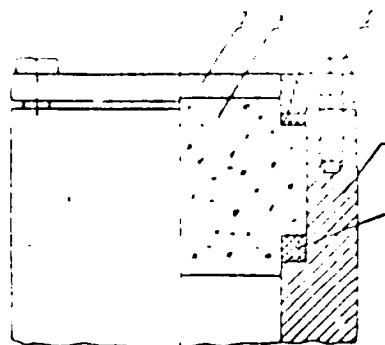


Fig. 4. Plexiglass-port seal

1 and 2 - Rubber sealing gaskets; 3 - clamping ring; 4 - plexiglass port; 5 - bolts; 6 - casing.

L 10012-07

ACC NR: AP6036108

4

(class-7 microroughness). The initial gap between I and II is 3 mm. After tightening, the surfaces are flush, and, as the container descends, water pressure acting on the outer edge of the gasket provides increased sealing efficiency with depth. The sealing arrangement for an electrical lead from an externally mounted sensor is shown in Fig. 3. Up to 15 leads can be accommodated in this arrangement. The sealing arrangement for a plexiglass port 30-mm in diameter and 25-mm thick is given in Fig. 4. All the above sealing arrangements were tested at the Leningrad Branch of the All-Union Scientific Research and Design Institute of Chemical Machinery; in the High-Pressure Laboratory of Moscow State University (to 1200 atm), and aboard the R/V Mikhail Lomonosov to 6500 m in the Atlantic Ocean. The tests demonstrated the absolute reliability of the designs and the simplicity of their use. Orig. art. has: 4 figures.

SUB CODE: 08, 13/ SUBM DATE: 02Dec65/ ORIG REF: 003/ ATD PRESS: 5105

Card ... 677

21.0000

09157
S/139/59/000/06/014/034
E032/E114

AUTHORS: Gagin, Ye.N., Grebenshchikov, S.Ye., Pisarev, V.E.
TITLE: Some Problems Associated with the Design of an Electron
Electrostatic Van de Graaf Generator

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika,
1959, Nr 6, pp 95-101 (USSR)

ABSTRACT: This paper was presented at the Inter-Collegiate
Conference on Accelerators (Tomsk, February 1958). It
describes the Van de Graaf generator at the Physical
Institute imeni P.N. Lebedev of the Academy of Sciences,
USSR. The machine was completed in 1956. The generator
is in a horizontal position and is mounted on three
insulating columns 1.8 m long each. The 60 distributing
rings and the high voltage electrode are made of
duralumin. The high voltage electrode is in the form
of cylinder connected to a hemisphere 38 cm in diameter.
The electrodes in the accelerating tube are in the form
of thin stainless steel discs with apertures 8 cm in
diameter. The accelerating tube is 1.8 m long and is
made up of 180 electrodes separated by porcelain rings.
The width of the belt is 26 cm. The belt moves with a

Card
1/2

69157

S/139/59/000/06/014/034
E032/E114

Some Problems Associated with the Design of an Electron
Electrostatic Van de Graaf Generator

linear velocity of 21 m/sec. The generator works in a nitrogen atmosphere at a pressure of 5.5-7 atm. A mixture of 80% nitrogen and 20% CO₂ gives the best results. It was also useful to use pure nitrogen since the freezing of moisture out of the mixture was found to be difficult. Measures were taken to keep the relative humidity to about 0.05%. The machine produces 1 MeV electrons, the energy spread being 0.05%. The energy spread is controlled by passing the beam through a deflecting analysing magnet and looking at the energy deviations in the focal plane of the magnet. A special beam probe is located in this plane and sends an energy error signal back into the machine. The machine delivers current pulses of 1 mamp, the pulses being of the order of 20 μsec. The angular divergence of the beam is 10⁻³ rad. There are 5 figures and 7 references, of which 1 is French, 1 is English and 5 are Soviet.

Card
2/2

ASSOCIATION: Fizicheskii institut imeni P.N. Lebedeva AN SSSR
(Institute of Physics imeni P.N. Lebedev, Academy of
Sciences, USSR)

SUBMITTED: December 27, 1958

PISAREV, V.G.; YERSHOV, F.F.

Two-compartment trailer for an electric truck. Ogneupory.
26 no.8:382-383 '61. (MIRA 14:9)

1. Borovichskiy kombinat ogneuporov.
(Industrial electric trucks)
(Refractory materials--Transportation)

MADANOV, P.V.; MARTYNOV, D.Ya., otvetstvennyy redaktor; MARKOV, M.V., professor, redaktor; SHAFUGULLIN, A.G., professor, redaktor; ARBUZOV, B.A., akademik, redaktor; DYUKOV, I.A., professor, redaktor; NORDEN, A.P., professor, redaktor; PISARNY, V.I., professor, redaktor; TIKHVINSKAYA, Ye.I., professor, redaktor; ANDRUKHMANOV, M.I., dotsent, redaktor; MOROZOV, D.G., dotsent, redaktor; KHARITONOV, A.P., dotsent, redaktor; KOLOBOV, N.V., redaktor; KOLESNIKOVA, Ye.A., starshiy prepodavatel', redaktor; VINOKUROV, M.A., professor, redaktor.

[Biological accumulation of manganese in soils of the Volga-Kama forest-steppe and its availability to plants] Biologicheskaya akumulatsiya margantsa v pochvakh Volzhsk-Kamskoi lesostepi i ego dostupnost' sel'skokhoziaistvennykh rasteniyam. Kasan', 1953. 202 p. (Kasan, Universitet. Uchenye zapiski, vol.113, no.7) (MIRA 10:3)

1. Rektor universiteta (for Martynov). 2. Prerektor po nauchnoy rabote (for Markov). 3. Prerektor po uchebnoy rabote (for Shafugullin)
4. Sekretar' partbyuro universiteta (for Kolebev).
(Plants, Effect of manganese on)
(Volga Valley--Forest soils)

NEPRIDKEROV, M.N.; SHARAGIN, A.G.; NUZHIN, M.T., prof., otv. red.; MARKOV, M.T., prof., zamestitel' otv. red.; KASHTANOV, S.G., prof., red.; ARBUZOV, B.A., akademik, red.; AL'TSHULER, S.A., prof., red.; LIVANOV, M.A., prof., red.; NORDEN, A.P., prof., red.; PISAROV, V.I., prof., red.; TIKHVINSKAYA, Ye.I., prof., red.; BARYSHNIKOV, V.G., dots., red.; KOLESNIKOVA, Ye.A., dots., red.; KOLOBOV, N.V., dots., red.; MOROZOV, D.G., dots., red.; KHARITONOV, A.P., dots., red.; YUDIN, I.N., red.; SAMITOV, Yu.Yu., red.

[Investigations of wells and development of preventive paraffin control methods] Issledovanie skavashiny i razrabotka preventivnykh metodov bor'by s parafinom, Kazan' 1957. 108 p. (Kazan. Universitet. Uchenye zapiski, vol. 117, no.3). (MIRA 11:5)

1. Rektor Kazanskogo gosudarstvennogo universiteta (for Muzhin).
 2. Prorektor po nauchnoy rabote Kazanskogo gosudarstvennogo universiteta (for Markov).
 3. Prorektor po uchebnoy rabote Kazanskogo gosudarstvennogo universiteta (for Kashtanov).
 4. Sekretar' partkoma Kazanskogo gosudarstvennogo universiteta (for Yudin).
- (Oil wells) (Petroleum engineering)

LAVROV, M.I.; NUZHIN, M.T., prof., otv.red.; MARKOV, M.V., prof., red.; DUBYAGO, A.D., prof., red.; ARBUZOV, A.Ye., akademik, red.; NORDEN, A.P., prof., red.; PISAREV, V.I., prof., red.; TIKHVINSKAYA, Ye.I., prof., red.; YARYSHNIKOV, V.G., dotsent red.; KOLESNIKOVA, Ye. A., dotsent, red.; KOLOBOV, N.V., starshiy prepodavatel', red.; MOROZOV, D.G., dotsent, red.;

[Some statistical regularities of variable stars and their physical interpretation]. Nekotorye statisticheskie zakonomery ti u zatmennykh peremennykh zvezd i ikh fizicheskoe istolkovanie. Kazan', 1955. 63 p. (Kazan. Universitet. Astronomicheskaya observatoriya. Biulleten', no. 31) (MIRA 15:10)

1. Rektor Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V.I.Ul'yanova-Lenina (for Nuzhin). 2. Prorektor po nauchnoy rabote Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V.I.Ul'yanova-Lenina (for Markov).

PISAREV, V. I.

"Estimation of kinetic heating and cooling curves."

Report presented at the 1st All-Union Conference on Heat- and Mass- Exchange,
Minsk, USSR, 5-9 June 1961

MERLIN, V.S.; MARTYNOV, D.Ya., otvetstvennyy redaktor; MARKOV, M.V., professor, redaktor; SHAFUGULLIN, A.G., professor, redaktor; ARBUZOV, B.A., professor, redaktor; DYUKOV, I.A., professor, redaktor; MORIKHIN, A.G., professor, redaktor; PISAREV, V.I., professor, redaktor; TIKHVINSKAYA, Ye. I., professor, redaktor; ~~ABDULKHAMANOV~~ ABDULKHAMANOV, M.I., dotsent, redaktor; MOROZOV, D.G., dotsent, redaktor; KHARITONOV, A.P., dotsent, redaktor; KOLOBOV, N.V., redaktor; KOLESNIKOVA, Ye.A., starshiy prepodavatel', redaktor; ROZHDESTVENSKIY, B.P., dotsent, redaktor.

[Peculiarity of conditioned reactions in the structure of a voluntary act] Svoobrazie uslovykh reaktsii v strukture volevogo akta. Kazan', 1953. 123 p. (Kazan. Universitet. Uchenye zapiski, vol.113, no.3)
(MLRA 10:3)

1. Rector universiteta (for Martynov); 2. Prorektor po nauchnoy rabote (for Markov).
 3. Prorektor po uchebnoy rabote (for Shafugullin).
 4. Sekretar' partbyuro universiteta (for Kolobov)
- (CONDITIONED RESPONSE) (WILL)

Category: USSR/Analytical Chemistry - Analysis of inorganic substances.

G-2

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30963

Author : Pisarev V.L., Ivanova T. A.

Inst : Siberian Physico-Technical Institute at the Tomsk University

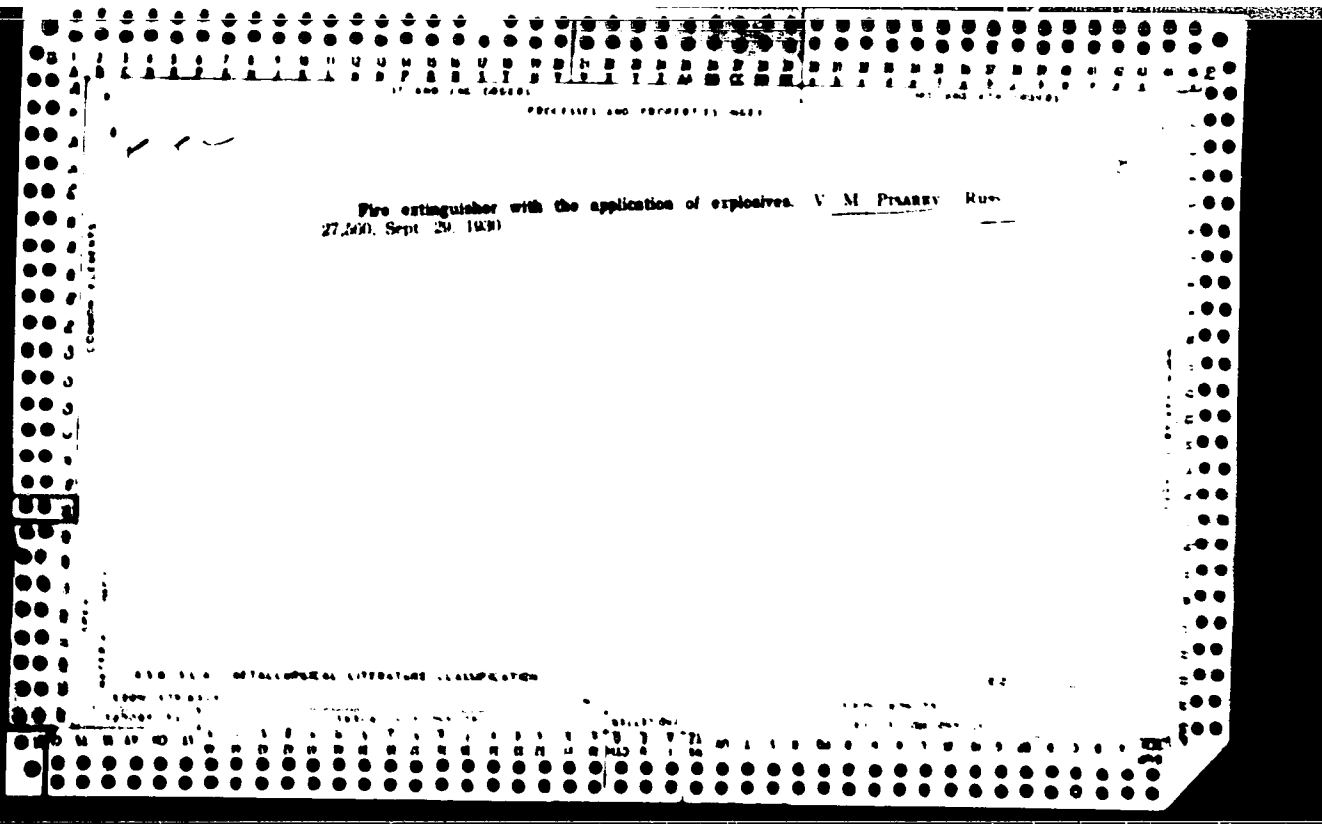
Title : Spectral Analysis of Solutions Containing Sodium, Potassium, Calcium and Magnesium.

Orig Pub: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, 1956, No 35, 196-200

Abstract: Description of determination of low concentrations of Na, K, Ca and Mg with a medium quartz spectrograph, and excitation of spectra in a high frequency spark discharge or an alternating current arc.

Card : 1/1

-1-



97077A1EV 1/4
BASHENIN, V.A., professor, dotsent; VYSEGORODTSEVA, V.D., professor, dotsent;
KLIONSKIY, Ye.Ye.; PETROV-MASLAKOV, M.A., professor, dotsent; PISAROV,
V.N., professor, dotsent; PROZOROV, V.A., professor, dotsent; SOZOV-
YARGOSHEVICH, A.Ye., zasluzhennyy deyatel' nauki; TAL'MAN, I.M., pro-
fessor, dotsent; TIKHOMIROV, P.Ye., professor dotsent; TROITSKAYA,
A.D., professor dotsent; KHILOV, K.L., professor dotsent; KEBOL'D,
A.N., redaktor. RULEVA, M.S., tekhnicheskij redaktor

[Handbook for feldshers in health and first-aid stations of industrial
enterprises] Posobie dlia fel'dsherov sdravpunktov promyshlennykh
predpriatii. [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe
otd-nie, 1954. 271 p. (MLRA 7:10)
(Medicine, Industrial)
(First aid in illness and injury)

PISAREV, V.S., gornyy inzh; BELOV, S.F., gornyy inzh.

Economic reasons for the industrial use of "tobacco" ores from
Kamysh Burun deposits. Gor.zhur. no.11:57-59 N '48.
(MIRA 11:11)

1. Leningradskiy gornyy institut.
(Kerch Peninsula--Iron ores)

IGAREV, V. I.

Smelting

The economics of dressing ferric oxide quartzites. Gor zhur., no. 1, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

2

FIGAREV, V. S.

Metallurgy

The economics of dressing ferric oxide quartzites. *Dok. zhur. V. L.*, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953₂ Unclassified.

CA

9

Economics of concentrating oxidized ferruginous quartzites. V. S. Prigry, *Gornyi Zhur* 126, No. 4, 31-3/1952.
These ores contain not over 37-50% of Fe and approx. 1.5% of SiO_2 . They can be conc'd by one of the 3 schemes:
(1) combination scheme comprising gravity sepn., electro-magnetic sepn., and flotation of slimes, (2) magnetizing roast followed by wet magnetic sepn., and (3) flotation combined with wet magnetic sepn. The relative total costs of the 3 schemes are analyzed. M. Huseh

AUTHORS: Pisarev, V.S. and Belov, S.F., Engineers SOV/127-58-11-11/16

TITLE: The Economic Basis for Industrial Utilization of Tobacco-Colored Ores of the Kamyshburun Deposit (Ekonomicheskiye predposylki promyshlennogo ispol'zovaniya tabachnykh rud Kamyshburunskogo mestorozhdeniya)

PERIODICAL: Gornyy zhurnal, 1958, Nr 11, pp 57 - 59 (USSR)

ABSTRACT: The total annual production of tobacco-colored iron ores of the Kamyshburun, Kyz-Aul' and Katerlez deposits will reach 20,000,000 tons, and the selection of the most efficient method of concentration becomes a very important problem. The Mekhanobr Institute proposed a technological process for the magnetic roasting method of concentration. As the cost of construction of a magnetic-roasting plant involves large capital investments, the authors propose different measures which will cut down the capital expenditure. There is 1 table.

ASSOCIATION: Leningradskiy gornyy institut (The Leningrad Mining Institute)

Card 1/1

1. Iron ores--Processing

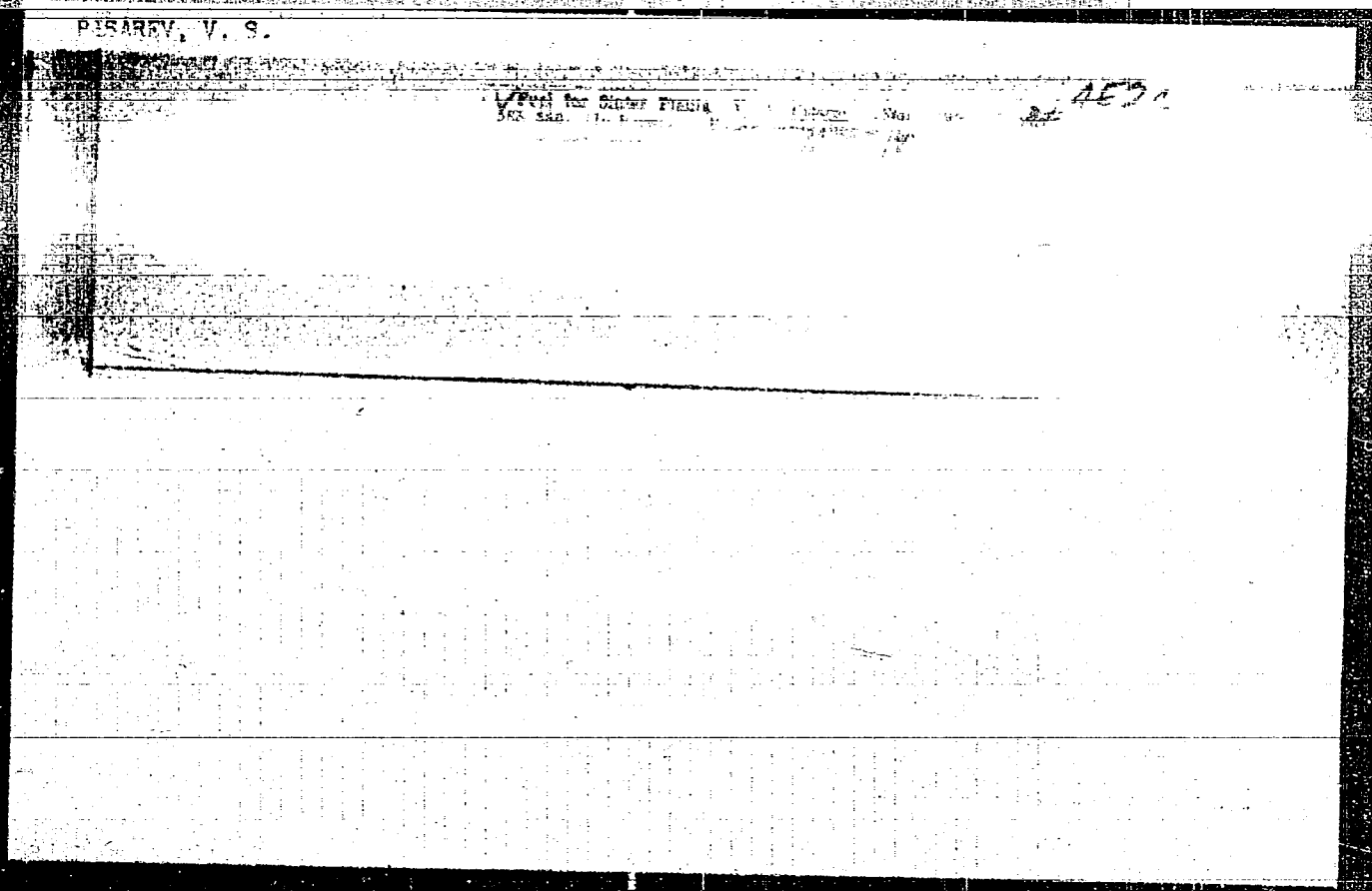
PISAREV, V. S.

18

4E2C-1

✓ 4893. FUEL FOR SINTER PLANTS. Pisarev, V. S. (Stal (Steel, Moscow), 1956, (7), 585, 586). Experiments suggest that anthracite can be used instead of coke for iron ore sintering without loss of productivity or sinter quality and with improved economy under conditions in the U.S.S.R. U.S.S.R.

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PISAREV, V.S.

✓ Fuel for sintering lines. V. S. Pisarev. *Stat' 18, 685-8*
(1945).—Tests conducted on 70% Fe ore together with 25%
returns showed 8% C as an optimum fuel content. This

*fuel
table* 1

C was supplied by anthracite fines, coke breeze, and Buck-
wheat No. 3 anthracite. With the use of anthracite, the
mech. strength and chem. compn. of sinter are somewhat
better than with coke breeze, while anthracite fines perform
better than sized anthracite. J. D. Cat.

PISAREV, V.S.

Fuel for sintering plants. Stal' 16 no.7:585-586 J1 '56.
(MLRA 9:9)

1. Mekhanobr.
(Sintering)

PISAREV, V.S.

Economic aspects of roasting and magnetic separation of iron ores.
Gor.zhur. no.1:59-62 Ja '55. (MLBA 8:7)
(Magnetic separation of ores) (Iron ores)

PISAREV, V.V.

Photographic orientation of routes and anomalies in large-scale
aerogeophysical surveying. Razved. i okh. nedr 23 no.8:32-37 Ag '57
(MIRA 10:11)

1. Institut prikladnoy geofiziki Akademii nauk SSSR.
(Aerial photogrammetry) (Prospecting--Geophysical methods)

AUTHORS: Danilkin I.S. Pekar V.Ye. 1989 4-6-1/30

TITLE: The Investigation of the Transitional Mode of Operation of a Synchrotron With Indirect Betatron Acceleration (Issledovaniye perexodnogo rezhima s obklyuchivayemykh elektronov s betatronnym radikal'nym uskhleneeniya)

PERIODICAL: Atomnaya energiya 1989 Vol. 4, No. 6, pp. 507-509 (USSR)

ABSTRACT: It was shown by experimental investigations and theoretical calculations that the theory of a transitional mode of operation for synchrotrons using indirect betatron acceleration is applicable to the case of an adiabatically slow adjustment of the accelerating field. This is true especially in the case of the 250 MeV synchrotron of the PLAN SSSR (Physics Institute, AS USSR). Adiabatic connection of the accelerating field is described by the expression $(\dot{\psi}_0)_{\text{ad}} \ll 2kV$. The theory employed also makes it possible to develop a method of indirect investigation of the operation of the betatron. Furthermore, it was possible to calculate a number of characteristic functions $(\psi(F), \Delta R)$ which govern the electrons captured by the betatron beam. The energy distribution of the electrons was determined experimentally.

Card 1/2

The Investigation of the Transitional Mode of Operation of a Synchrotron With Initial Betatron Acceleration

It is pointed out that it is possible to utilize the dependence of the intensity of the accelerating particles on the amplitude of the acceleration voltage for the purpose of determining the voltage amplitude at the end of the orbit. The synchrotron was operated in the following manner for experimental purposes: Final energy of the beam: $E_p = 250$ MeV, radius of the stable orbit: $R_s = 82.5$ m, maximum field strength for the stable orbit: $H_m = 10.550$ Oer, frequency of the current in the magnets: $f = 50$ Hz; maximum energy in betatron operation: $E_p = 4$ MeV, feed energy in betatron operation: $E_p = 60 - 70$ KEV; time necessary for the adjustment of the acceleration field: $\tau \approx 10/\mu_s$. There are 6 figures, tables and references, 3 of which are Soviet.

SUBMITTED: September 2, 1968

Card 2/2

GAGIN, Ye.N.; GREBENSHCHIKOV, S.Ye.; PISAREV, V.Ye.

Certain aspects of the electrostatic Van de Graaf electron
generator. Izv.vys.ucheb.zav.; fiz. no.6:95-101 '59.
(MIRA 13:6)

1. Fizicheskiy institut imeni P.N.Lebedeva AN SSSR.
(Particle accelerators) (Electrons)

R O A M

PIARSKY (V. E.) & MALINOVSKAYA (Miss E. S.). The breeding of spring wheats resistant to *Fusarium*.—*Tr. Harv. Zern. Res. nevrovsk. Inst.* (Trans. Inst. Grain Fung non-black-soil Distr.), 1941, 10, pp. 35-38, 1941. [Russian. Abn. in *Plant Breed. Abstr.*, xv, 1, pp. 39-40, 1945.]

The infestation of the soil round Moscow by *Fusarium avenaceum*, *F. culmorum*, and *F. spp.* of the *Aleogus* section, the first-named being the most virulent, constitutes a serious obstacle to spring wheat cultivation. The fungi may either be present in the soil at sowing time or attack the young shoots on emergence. Proleta and certain varieties from eastern Siberia were found to be resistant to the former type of infection and Hybrid 170 (the offspring of a resistant local Norwegian wheat and the American Blue Stem) and Diamond to the latter, while Mikurum 321 was highly resistant to the second and moderately so to the first. In the resistant varieties infection uniformly occurred at the base of the plants, but never extended beyond the coleoptile and did not involve the roots. In the case of susceptible varieties, the plants were either killed or made poor growth without tillers, depending almost exclusively on their primary roots and often devoid of grain in the ear. Early sowing at low temperatures, the use of large seeds, and careful attention to cultural methods are important factors in the reduction of *Fusarium* infection.

[An expanded summary of this paper, filed at the Imperial Bureau of Plant Breeding, Cambridge, presents in tabular form some further information on the effect of the pathogens on germination, the relation of virulence in *F. avenaceum* to soil temperatures, the comparative germinative capacities of resistant and susceptible varieties, and other aspects of the problem.]

"Hybridization of Cultivated Barley with Wild Barley." *Genet. A. New York*, 1947.

Report U-1551, 7 November 1951.

PISAREV, V. E.

"Hybrids Between Wheat and Triticum," Dokl. AN, 4, 1954, 1954.
Institute of Grain Husbandry for the East-European Countries.

PIGAREV, V. E.

"A High Yield Barley Plant Produced by Gene Reorganization"
Dok. AN, 45, N 5, 1945.

Institute of Gene Mutation and the L. B. P. Plant Belt

FIGURE 1.

"Trigenetic Hybrid Wheat, sp. Dok. No. 4, 1951, 1952."

PISAREV, V. Ye.

"Variability of Offspring of the Amphidiploids of Spring Wheat and Spring Tye Hybrid," Dok. vses. Ord. Len. Akad. Sel'sko-khoz. Nauk im. Lenin, Vol. 12, No.12, pp 40-48, 1947

Translation U-3399, 30 Apr 53

II. A. 1. v. (Ye.)

Best grain variety for the area. No. 1. No. 2. No. 3. No. 4. No. 5.

1. Grain - 1. 2. 3. 4. 5.

1. PISAREV, V., PROF.
2. USSR (600)
4. Wheat
7. Means of raising yields of spring wheat on non-chernozem soils. Kolzh.proizv. 12 no.10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

PISAREV, V. Ye., VINOGRADOVA, N. M.

Buckwheat

New ways of buckwheat selection Sel. 1 sem. 19 No. 2, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

What is

"State of ...
Del. ...

Monthly list of ...

PISAREV, V. YE.

PA 233T1

USSR/Agriculture - Resistant Variety Sep 52
of Wheat

"[The Wheat Variety] 'Moskovka,'" V. Ye. Pisarev,
Dr Agr Sci

"Nauka i Zhizn'" Vol 19, No 9, pp 27, 28

Describes properties of the new wheat variety,
"Moskovka," which has been adapted to cultiva-
tion outside the chernozem belt and in cold
northern areas. This is a summer variety of
the "grecum" type, which is resistant to the
insect pest "Swedish fly," fusarioses, and
brown rust.

233T1

PISAREV, Yu. A.

"Pollination of Lucerne by Bees and Increasing Lucerne Seed Yield
in the Right-Bank Rayons of Gor'kovskaya Oblast." Cand Biol Sci,
Gor'kiy, 1953. (RZhBiol, No 5, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

PISAREV, V.Ye., doktor sel'skokhoyaystvennykh nauk.

Wheat. Vokrug sveta no.8:2-8 Ag '54. (MIRA 7:9)
(Wheat)

V Ye.

PISAREV, V. Ye.

Spring wheat X spring rye amphidiploids. Bot. zhur. 40 no. 4: 556-560
Jl-Ag '55. (MLRA 8:11)

1. Institut sernovogo khozyaystva nechernozemnoy polosy
(Wheat) (Hybridisation, Vegetable)

PISAREV, V.Ye.

Use of artificial light for speeding up of the breeding process. Trudy.
Inst.fiziol.rast. 10:110-112 '55. (MIRA 8:9)

1. Institut sernovogo khsyaystva nechernozemnoy polosy.
(Plants, Effect of light on) (Plant breeding)

Pisarev V/E

Category: USSR/General Biology. Genetics.

F-9

Abs Jour: Referat Zh.-Biol., No 6, 25 March 1977, 2159.

Author : Pisarev, V.E.

Inst : not given

Title : The Heredity of Wheat-Couch-Grass Hybrid 1.

Orig Pub: Byul. Gl. botan. sada AN SSSR, 1956, No 24, 70-71

Abstract: Division among the seedlings of couch-grass and wheat hybrid is described which resulted from crossing squarehead wheat with Tsitsin wheat-couch-grass hybrid 34085. The seeds of the tested hybrid at the start of germination were subjected to low temperatures down to -6° , and then were planted in the soil in summer. About half the seedlings perished in winter, and among the others a great variety of form was observed. In some samples the ears were of a clearly lesser thickness than in the original hybrid; others yielded puffy ears with minute spikelets of the type F_1 and F_2 wheat-couch-grass hybrids.

Card ; 1/1

-1-

PISAREV, V. YE

Category: USSR/General Biology. Genetics.

B-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March 1957, 21574

Author : V.E. Pisarev, M.D. Zhilkina

Inst : ~~not given~~ INST. ZERNOVSKO KHUZ'YASTRA VECHERNOSUNNOY POMO

Title : Use of boron for selection of low-fertility hybrids.

Orig Pub: Dokl. AN SSSR, 1956, 108, No 5, 945-947

Abstract: Several amphidiploid low-fertility hybrids of different wheat and summer wheat types and summer rye were planted in vegetative vessels in an abundantly fertilized soil. Beginning with the sprouting of plants into the tube, a weekly extra above-root nutrient mixture with 0.05% boric acid was administered. The fertility of hybrids greatly increased. Thus, in a tertiary hybrid / (Tr. monococcum x Tr. persicum) F₁ x Tr. vulgare/F_n the number of spikelets in the ear while boric nutrient was used increased 7.2 x by comparison with the control, and the grain content of the ear from 1.4 in the control to 41.3 in

Card : 1/2

-11-

USSR / General Biology. Genetics

E-5

Abs Jour: Ref Zhur - Biol., No 6, 1958, 2222

Author : Pisarev, V. E.

Inst : Not given

Title : POLYPloidism and Plant Selection.

Orig Pub: Selektziya i Semenovskaya, 1957 No 2, 23-32

Abstract: A brief review of the history of Soviet selection is given. It is noted that initially a number of valuable varieties were created by means of mass selection from farm materials, a portion of these varieties is widely prevalent until the present time. Later harvesting by combines demanded development of non-wilting varieties with a strong straw, which necessitated utilization of synthetic selection. The significance is noted of a world collection of cultivated plants gathered by Vavilov.

Card 1/3

USSR / General Biology. Genet.

Abs Jour: Ref Zhur - Biol. N. 1963, 1963

Abstract: tobacco belong to those. It is pointed out that formation of polyploids may be expected in plants having few chromosomes, which are cross-pollinated, root-plants and such, repeatedly reproduced, where the yield of seeds is not important. An amphidiploid (A.D. 20) obtained by the author is described, which combines in itself the advantages of summer wheat varieties and winter resistance of rye. Cross-pollination with Maslovka and Markin make it possible to separate families which retain the advantages of A.D. 20 and lose its shortcomings. Similar results were obtained with wheat-corn grass amphidiploids.

Card 3/3

Virgin snowland. IUn. nat. no.2:19 P '63. (MIRA 14:11)

PISARBY, V.Ye.

New variety. IUn. nat. no. 4:14-17 Ap '57.
(Grain)

(MLRA 10:6)

1057424, V. L.

USSR / Cultiva d. Plants. General Problems

Abstr Jour : Zool. Biol., No 3, 1952, No 34564

Author : Hesarin, V. E.

Inst : ~~MON~~ ~~Finland~~

Title : Selection Work in Finland.

Orig Pub : Selkösytä ja so. novodstva, 1957, #4, 75-76.

Abstract : Systematic selection work was started in Finland in 1911 in Tikkarila, and was incorporated in 1928 into the state seed nursery in Jokioinen (61° 20' N.). In addition to field and selective research work has been carried out in the experimental station of Jokioinen (near Helsinki). The main goals of this work in Jokioinen are to develop resistant winter-resistant varieties of winter rye; and in the selection of winter-resistant varieties of ripening varieties of winter wheat, and to improve the resistance of plants to wilt, and to improve the quality of grain. More than 50 varieties

Card 1/3