

KOREC, R.; SOFRANKOVA, A.

Free and bound glucose in the urine. Cas. lek. cesk. 102 no.8:
219-220 22 F '63.

1. Ustav pre vseobecnu a experimentalnu patologiu Lekarskej fakulty
UPJS v Kosiciach, prednosta doc. dr. R. Korec.
(GLYCOSURIA) (CHEMISTRY, ANALYTICAL) (OXIDASES)
(DIABETES MELLITUS) (URINE)

MARIAR, P.; SOFRANKOVA, A.; PRIGUTOVA, M.

Application of Sephadex G 35 and G 50 to the fractionation of
the peptic hydrolyzate of the globulin fraction of horse antitetanic
serum. Coll. Cz. Chem 29 no.10:2574-2576 1964.

1. Department of Biochemistry, P.J. Safarik University, Kosice.

CZECHOSLOVAKIA

MASLAR, P.; SOPRANKOVA, A.

Department of Biochemistry, Faculty of Medicine,
Safarik University, Kosice - (for both).

Prague, Collection of Czechoslovak Chemical Commu-
nications, No 11, November 1965, pp 3760-3766.

"Fractionation of a peptic digest of horse plasma
globulins by gel filtration through different types
of sephadex."

SOFRANOV, M.A.

Definition of the term "soil type." Pochvovedenie no.11:
87-88 N '59. (MIRA 13:4)

1. Leningradskiy nauchno-issledovatel'skiy institut lesnogo
khozyaystva. (Soils--Terminology)

SCREBNOWIC, D.

"Dupliktar posterior capri." Inst. for Pathology-Anatomy, Vet. Fac., Beograd.

Vet. GLASHNIK 6 : 54-56, 1952

SOFRENOVIC, D.J.
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: Institute for Application of Nuclear Energy in Agronomy,
Veterinary Medicine, and Forestry (Institut za primenu
XXXXXXXX nuklearne energije u poljoprivredi, veterinarstvu i
sumarstvu), Belgrade

XXXXX

Source: Belgrade, Veterinarski glasnik, No 6, 1961, pp 455-464.

Data: "Vaccination of Sheep with Irradiated Larvae Dictyocaulus Filaria.
I. The Effect of Irradiation Dose on the Growth and Pathogenesis
of Parasites."

Authors:

JOVANOVIC, M.

NEVENIC, V.

SOKOLIC, A.

✓ SOFRENOVIC, Dj.

GLIGORIJEVIC, J.

CUPERLOVIC, K.

MOVSESIJAN, M.

SOFRENOVIC, Dj.

SURNAME (in caps): Given Names

Country: Yugoslavia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Belgrade, Veterinarski glasnik, No 7, 1961, p. 612.

Data: Book Review: "Rabies" by Milan Nikolitsch (West German).

SOFFENOVIC, Dj.

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: None given

Affiliation: Institute for Pathology (Institut za Patologiju). Presumed:
Veterinary Faculty, University of Belgrade

Source: Belgrade, Acta Veterinaria, Vol 11, No 1, 1961, pp 31-40.

Data: "Distomatosis of Swine (Fasciolosis and Dicrocoeliosis)
Pathomorphological Characteristics in the Liver and
Their Diagnostic Significance."

Co-Authors:

BULJEVIC, St., Academic degrees not given, Institute for Pathology.

Presumed: Veterinary Faculty, University of Belgrade.

STAMOJEVIC, S., Academic degrees not given, Institute for Pathology.

Presumed: Veterinary Faculty, University of Belgrade.

294

YUGOSLAVIA

G. SOFRENOVIC [Affiliation not given.]

"World Veterinary Congress in Hanover."

Belgrade, Veterinarski Glasnik, Vol 17, No 4, 1963; pp 385-386.

Abstract : Outline of the then forthcoming congress organization and program with list of symposia to be held and various details of interest to Yugoslav veterinarians who will participate.

1/1

SOFRENOVIH, K.
Yugoslavia/Zdoparasitology. Parasitic Protozoa

G

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57836

Author : Radojchevich M., Sofrenovich, Krshlyanin

Inst : Not given

Title : Data on the Study of the Distribution of Trypanosoma and Trypanoplasma of Fish in Some Fish Ponds

Orig Pub : Acta veterin., 1957, 7, No 2, 50-64

Abstract : The distribution of trypanosoma and trypanoplasma in fish in some Serbian ponds was determined by the study of blood smears prepared in November-December 1956. No exact determination of trypanosoma and trypanoplasma was carried out. Trypanoloma was found mainly in young carp (32% of the fish up to one year of age were infected; 1% in ages of 1 to 2 years old; 4% in ages of 4 and more years). Trypanosoma was also found

Card 1/2

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SOFRONEYEV, P.S.

The Tamga plant. Nauch. soob. IAF AN SSSR no.6:33-36 '61. |
(MIRA 16:3)
(Yakutia--Iron and steel plants)

SOFRONI, I.; COSNEANU, C.; NICOLOIU, E.; FRUCHTER, S.

Contents of gases and nonmetallic inclusions in indigenous crude iron. Studii cerc metalurgie 7 no.1:73-87 '62.

1. Membru al Comitetului de redactie si redactor responsabil adjunct, "Studii si cercotari de metalurgie" (for Sofroni).

SOFRONI, L.

"Metallurgical bases in the cupola process" by L.M.Marienbah.
Reviewed by L.Sofroni. Metalurgia constr mas 14 no.4:375
Ap '62.

SOFRONI, L.

"Wear resistance of casts and alloys" by V.P. Grecin. Reviewed
by L. Sofroni. Metalurgia constr mas 14 no.6:570 Je '62.

SOFRONI, L.

"Construction of castings" by [prof.] Mihail Skarbínski.
Reviewed by L. Sofroni. Metalurgia constr mas 14 no.8:763
Ag '62.

SOFRONI, L.

"Treatment of liquid powdered metal with the aid of gas
jet" by B.N. Ladijenski, A.D. Basmakov. Reviewed by
L. Sofroni. Metalurgia constr mas 14 no.9:853 S '62.

SOFRONIE, L.

"pressing casting forms at high pressures." Metalurgia constr mas
14 no.11:1051-1052 N '62.

RUMANIA (1)

SOFRONI, L.; NICOLOIU, E.

(None)

Bucharest, Studii si Cercetari de Metalurgie, No 2, 1963.
pp 191-199

"Research On the Decomposition of Methane Gas When It Is
Mixed Into Liquid Iron."

(2)

SOFRONI, L., ing.

"Casting mechanization in bakelite molding shells" by
A. N. Firstov, F.I. Smirnov, M.M. Budilin. Reviewed by L.
Sofroni. Metalurgia constr mas 14 no. 3:274 Mr '62.

SOFRONI, L.

Chronicle. Metalurgia constr mas 15 no.2:181-183 F '63.

SOFRONI, L. M.

SOFRONI, L. M. -- "Effect on Phosphorus on the Properties of Cast Iron Treated With Magnesium." *(Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(30) Min Higher Education USSR, Kiev Order of Lenin Polytechnic Inst, Chair of Founding, Kiev, 1955

SO: Knizhnaya Letopis' No 30, 23 July 1955

* For the Degree of Candidate Technical Sciences.

SOFRONIE, I.

The leniar contraction of cast-iron with nodular graphite. METALURGIA SI
CONSTRUCTIA DE MASINI (Metallurgy and Machine Construction.) 2:81:F_ab 55

SOFRONIE, L.

The effect of phosphorous on mechanical properties and the abrasion of cast and iron mixed with nodular graphite. p. 32.
(METALURGIA SI CONSTRUCTIA DE MANSINI. RUMANIA. Vol. 8, no. 5, May 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Ucnl.

Sofronie, L.

Distr: 4E2b

Defects of Machine Components made from Spheroidal Graphite Cast Iron and Means to Avoid Them. L. Sofronie. (*Met. Constr. Masini*, 1956, 8, (9), 43-48). [In Rumanian]. The characteristic defects of these castings are analysed and classified. A few of these defects are reviewed in this article and remedies proposed for their elimination.—L. H.

JM RS

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1

SOFRONI, I.

"Influence of silicon on the thermal processing of cast iron with globular graphite."

p. 23 (Studii Si Cercetari De Metalurgie) Vol. 2, no. 1/2, 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

VASHCHENKO, K.I.; SOFRONI, L.

~~XXXXXXXXXXXX~~
Phosporus in magnesium cast iron. Lit.proizv.no.7:12-17 J1'55.
(Iron-magnesium alloys--Analysis) (MLRA 8:10)

Sofroni, L. M.

✓ 5780* Process of Graphite Formation in Magnesium Cast
Iron. O Protsesse grafitoobrazovaniia v magneziiom zhugune. 2
(Russian.) K. I. Vashchenko and L. M. Sofroni. Litelnoe
proizvodstvo, 1955, no. 11, Nov., p. 17-23.
Graphite content substantially below the eutectic crystallization
temperature. Micro-structure reveals that graphitization takes
place in the solid state. Effect of chemical composition on
graphitization. Tables, graphs, micrographs. 7 ref.

M. S.

of

Soironi, L.

Category : POLAND/Solid State Physics - Phase transformation of solid bodies

E 5

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1197

Author : Waszczenko, K.J., Soironi, L.

Title : Phosphorus in Spheroidal Cast Iron

Orig Pub : Przegl. odlewn., 1956, 6, No 3, 85-88

Abstract : Translation from the periodical "Liteynoye proiz-vo", 1955, No 7, p. 12

Card : 1/1

SOFRONI, L.M.
VASHCHENKO, K.I.; SOFRONI, L.M.

Reply to K.P. Bunin, I.A.N. Malinoekha, I.U.N. Taran. Lit. proizv.
no. 1:24-27 Ja '57. (MIRA 10:3)
(Cast iron--Metallography) (Magnesium alloys--Metallography)

Distr: 4E2c

18

✓ The formation of shrinkage holes in castings. I. Sofroni
 and R. P. Todorov. *Acad. rep. populare Romine, Studii*
si cercetari de metalurgie 3, 131-40 (1958).—A series of expts.
 was carried out in order to investigate the phenomena con-
 nected with the volumetric transformation of nodular
 graphite castings and gray iron castings during solidification
 and cooling. With an increase in the Mg content the vol. of
 shrinkage holes increases to a definite max., then begins to
 decrease. With an increase in Si content the max. of the
 vol. of shrinkage holes is displaced toward the greater Mg
 content. Up to 1.2% Si both types of castings behave simi-
 larly, but if the Si increases to 1.7% there is an increase in
 the vol. of shrinkage holes up to 10% in the nodular graph-
 ite castings, while in gray castings, its vol. falls to 3.34%.
 The mechanization of graphitization differs in the 2 types:
 in gray castings it takes place during the time of solidification
 in the sequence of liquidus-austenite-graphite, producing
 small vol. shrinkage holes, while in the nodular graphite
 castings it takes place predominantly in the solid state.
 The greater the vol. of shrinkage holes in nodular graphite
 castings, the greater also the dimension of surface contrac-
 tions. The principal factor detg. the vol. of shrinkage holes
 is the quantity of graphite separating during the eutectoid
 transformation. Felicitas D. Goodman

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27 18

Effect of magnesium on the contraction of cast iron. L. Sofroni, R. P. Todorny, and G. I. Kosovnik. Acad. rep. Romania, Studii cercetari met. 3, 295-305 (1958).
 The effect of Mg on the linear contraction and the vol. of the pipe of ordinary gray cast iron was examd., and the same expts. were done with alloys Ni-C, Ni-C-Si, Fe-C, Fe-C-Si, and Co-C. The pipe volume is detd. by the graphite which sepd. during the eutectic transformation (eutectic graphite); the original expansion is caused by graphite which sepd. at subeutectic temps. (noneutectic graphite). If cast iron is treated with Mg, the vol. of the pipes and the starting expansion both increase, as the eutectic graphite is decreased, and the noneutectic graphite is increased during the solidification and cooling of the cast iron. The degree of supercooling during the eutectic transformation goes up, because the cementite decomp. at subeutectic temps. 7
 Werner Jacobson

Distr: 4E2c

SOFRONI, L.

✓ Contraction of modified cast irons. L. Sofroni and C. Cosneanu. *Acad. rep. populare Romina, Smint. tehnica mel.* 3, 439-50(1958).—Modification by Fe-Si causes a decrease of the pipe vol., and especially a reduction of the pearlitic contraction, owing to an intense graphitization in the solid state. The comparison between the pipe vols. and the linear contraction shows that in the iron modified with Fe-Si or with Mg a decompn. of the eutectic cementite occurs at subeutectic temps. This would explain the shape, the dimensions, and the uniform distribution of graphite flakes in cast iron.

Werner Jacobson

Distr: 4E2c

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 / Cooling curves of cast iron with spheroidal graphite. L. Sofroni. *Rev. mt., Acad. rfp. populaire Roumaine* 3, No. 1, 61-79 (1958) (in German).—Time-temp. curves for gray cast iron showed almost horizontal eutectic and eutectoid stops, curves for iron with spheroidal graphite and gray fracture showed short eutectic and eutectoid stops with pronounced slope, and curves for iron with spheroidal graphite and white fracture showed a very steep eutectic stop and a scarcely perceptible bend at the eutectoid transformation. Spheroidal graphite can be induced by addn. of 0.02-0.03% Mg, as shown by cooling curves for irons of practically the same comps. except for Mg: irons with little Mg showed pronounced eutectic and eutectoid stops; increased Mg content shortened times of eutectic and eutectoid stops; and 0.023% Mg resulted in a cooling curve characteristic of iron with white fracture. Holding the molten iron for progressively longer times to remove Mg by evapn. caused a progressive change from a cooling curve of white iron to a curve characteristic of gray cast iron. The very small expansion of irons with spheroidal graphite was explained by their reluctance to transform to ferrite on cooling. Silicon, in either gray iron or gray iron with spheroidal graphite, caused a small increase in eutectic transformation temp. and slightly prolonged it, whereas Si caused a significant increase in eutectoid transformation temp. but a marked decrease in its duration.

Robert J. Fawcett

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SOPRONI, L.; COSNEANU, C

Methods of determining the contraction of cast iron, p. 531.

Academia Republicii Populare Romine. Centrul de Cercetari Metalurgice.
STUDII SI CERCETARI DE METALURGIE. Bucuresti, Rumania. Vol. 3, no. 4, 1958.

Monthly list of East European Accessions (EEAI) IC, Vol. 8, no. 8, Aug. 1959

Uncl.

SCHECH, E.; COENEAU, C.

Process of the contraction of modified cast iron. p.439

Academia Republicii Populare Romine. Centrul de Cercetari Metalurgice
STUDII SI CERCETARI DE METALURGIE. Bucuresti, Rumania
Vol.3, no.4, 1959

Monthly list of East European Accessions (EEAI) LC, Vol.8, no.8, Aug.1959

Uncl.

SOFRONI, L.; COSNEANU, C.

The contraction process of modified cast iron. In Russian. p. 5.

REVUE ROUMAINE DE METALLURGIE. RUMANIAN JOURNAL OF METALLURGY. (Academia Republicii Populare Romine) Bucuresti, Romania. Vol. 4, no. 1, 1959

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Jan 1960

Uncl.

~~FE~~ SOFRONI, L.

Distr: 4E2c 27 18

The influence of manganese on the contraction of gray castings. L. Sofroni and C. Cosmeanu. Acad. rep. populare Romine, Studii cercetari met. 4, 21-32(1958).--The influence of Mn is studied on the structure, the degree of graphitization, the hardness, and the free linear contraction of gray castings with either reduced (0.15-0.18%) or elevated (0.50-0.55%) P. An increase in Mn content is accompanied by a modification of the basic metallic structure of the casting, which becomes pearlitic and then martensitic austenitic (or a mixt. of these structural constituents). The quantity of carbides increases and produces an increase in hardness. The Mn seems to reduce the degree of graphitization of the casting during solidification and cooling. The initial expansion increases in direct proportion to the Mn, reaching a max. of approx. 0.5% for a Mn content of 8-10% (low P content) and of 3-5% Mn for castings with an elevated P. The prepearlitic contraction increases considerably, reaching values of 2.1-2.2% for a 12-14% Mn.

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Referen: D. Cosmeanu

SOFRONI, L.; COSNEANU, C.

Methods for determining the contraction of cast iron, In French. p. 63

REVUE ROUMAINE DE METALLURGIE. RUMANIAN JOURNAL OF METTALLURGY. (Academia Republicii Populare Romine) Bucresit, Romainia. Vol. 4, no. 1, 1959

Monthly List of East European Accessions (FEAI) LC Vol. 9, no. 2, Jan 1960

Uncl.

4E2C
8
/ Replacement of malleable cast iron by a cast iron modified by magnesium. L. Sofroni, Fr. Crisan, and C. Cosnecanu. Acad. rep. populare Romine, Studii cercetari met. 4, 130-79(1959).--An industrial process is outlined which makes possible a const. supply of nodular-graphite cast iron. Various compns. and structural properties are tabulated. Felicitas D. Goodman

8RT

RUM/9-11-5-2/39

11(2)
AUTHOR:

Sofroni, L., Cohn, E., and Cosneanu, C.

TITLE:

Studies on Gas-Development from Moulding and Core Mixtures at High Temperatures

PERIODICAL:

Metalurgia si Constructia de Masini, 1959, Vol 11, Nr 5, pp 367-373 (Rumania)

ABSTRACT:

The authors emphasize that the properties of mouldings and core materials (moisture, permeability, resistance, etc) must be tested at high temperatures. This is important, since the cavities produced by moulding and core gases in cast pieces are still rather frequent in certain products of Rumanian foundries. The time of the gas development is more important than the quantity, since the cavities are formed during the period when the iron cast is still liquid. In Rumania, the factories "Ernst Thälmann", "23 August" and "Semanătoarea" have conducted tests aimed at determining gas development in moulding and core mixtures. The authors describe the procedures employed in those tests. They used an apparatus for measuring the volume of gases ✓

Card 1/2

RUM/9-11-5-2/39

Studies on Gas-Development from Moulding and Core Mixtures at High Temperatures

developed by a sample of 0.5 to 4 grams of mixture heated in a porcelain tube and absorbed in a water-cooled burette that indicates the volume of gas directly. Measurements were made at intervals of 15, 30, 45, 60, 90 seconds and 2, 3, 5, 7, and 10 minutes. Moulding sand of Valenii de Munte and Miorcani were found to develop 1-2 cu cm per gram. The testing temperature was 1,200 to 1,300°C for steel, 100 to 1,100°C for iron and 600°C for aluminum alloys. Various core-sand binders were also tested: dextrine, AN, "moliftan", soluble glass, linseed oil. The results are compared. Bakelite, AN and moliftan binders are found more adequate than dextrine or linseed oil, as they develop less gas during the first seconds. There are 12 graphs, 1 diagram and 4 Soviet references. ✓

Card 2/2

SOFRONI, L., ing.; COSNEANU, C., ing.

Contraction of foundry pig iron. Metalurgia constr mas 13 no.8:
655-663 Ag '61.

(Cast iron—Shrinkage)

SOFRONI, Laurentiu; COSNEANU, Constantin

Chemical composition and structure of pig iron. Metalurgia constr
mas 13 no.10:847-857 0 '61.

(Cast iron—Analysis)

SOFRONI, L., ing.

Soviet contributions to the study of cast-iron graphitization. Analele
metalurgie 15 no.4:143-162 O-D '61.

1. Membru al Comitetului de redactie, "Analele Romino-Sovietice,
Metalurgie."

(Cast iron) (Graphitization)

SOFRONI, L.; COSNEANU, C.; NICOLOIU, E.; FRUCHTLER, S.

Contents of gases and nonmetallic inclusions in indigenous crude iron.
Studii cerc metalurgie 7 no.1:73-87 '62

1. Membru al Comitetului de redactie si redactor responsabil adjunct,
"Studii si cercetari de metalurgie" (for Sofroni).

SOFRONI, L.

"Theory of molding," published under the editorship of [Prof., Dr.] B.B. Guliaev [Gul'yayev, B.B.]. Reviewed by L. Sofroni. Studii cerc metalurgie 7 no.3:374-375 '62.

1. Membru al Comitetului de redactie si redactor responsabil adjunct, "Studii si cercetari de metalurgie".

SOFRONI, L.

"Steel graphitization" by K.P. Bunin, A.A. Baranov, and E.N. Pogrebnoy.
Reviewed by L. Sofroni. Studii cerc metalurgie 7 no.4:484-486 '62.

1. Membru al Comitetului de redactie si redactor responsabil adjunct,
"Studii si cercetari de metalurgie".

SOFRONI, Laurentiu, inz.; COSNEANU, Constantin, ing.; NICOLOIU, Elisabeta, ing.

Qualitative improvement of gray iron through the bubbling of natural gas in liquid pig iron. Metalurgia constr mas 14 no.1:4-13 Ja '62.

1. Centrul de ceretari metalurgic. 2. Membru al Comitetului de redactie si redactor responsabil, "Metalurgia si constructia de masini" (for Sofroni).

SOFRONI, L., ing.

"Mechanization of shell casting" by A.N.Firstov, F.I. Smirnov,
and M.M.Budilin. Reviewed by L.Sofroni. Metalurgia constr mas
14 no.3:274 Mr '62.

1. Redactor responsabil si membru al Comitetului de redactie,
"Metalurgia si constructia de masini."

SOFRONI, L.

"Bases for obtaining a high quality cast" by A.F. Landa.
Reviewed by L. Sofroni. Metalurgia constr mas 14 no.5:463
My '62.

SOFRONI, Laurentiu, ing.; OLARESCU, Doina, ing.

Observations on the casting properties of aluminum bronzes.
Metalurgia constr mas 14 no.7:615-618 JI '62.

1. Centrul de cercetari metalurgice.

SOFRONI, L.; NICOLIU, E.

Research on the methane gas decomposition in liquid cast iron
during the bubbling process. Studii cerc metalurgie 8 no.2:
191-199 '63

SOFRONI, Laurentiu; NICOLOIU, Elisabeta

Research on methane gas decomposition during the bubbling process
in fluid cast iron. Rev Roum metalurg 8 no. 2:195-202 '63.

SOFA, W. J.

The 5th Conference of Founders in Roland. *Studia chem metalurgie*
8 no. 2: 233-234 163

SOFRONI, L.; NICOLIU, E.

Considerations on the mechanism of cast-iron modification
by the nitrogen bubbling operation. Studii cerc metalurgie
8 no.4:409-424 '63.

SOFRONI, L.

"Complex mechanization in foundries" by P.I. Kojeurov.
Reviewed by L. Sofroni. Metalurgia constr mas 15 no.6:
424-425 Je '63.

SOFRONI, L.

"Molding tools" by Z. Eminger, V. Koselev. Reviewed by L. Sofroni.
Metalurgia si constr mas 15 no.3:277 Mr '63.

SOFRONI, L.

"Designing of technological processes in foundries" by
M. Skorbinski. Reviewed by L. Sofroni. Metalurgia
constr mas 15 no.8:525-526 Ag '63.

L 54882-65 EWA(d)/EWP(t)/EWP(z)/EWP(b) JD

ACCESSION NR: AP5017917

RU/0017/64/000/012/0526/0533

AUTHOR: Sofroni, L. (Engineer, Candidate of technical sciences); Marinescu, D. (Engineer)

TITLE: Improving the quality of pig irons by methan gas treatment.

SOURCE: Metallurgia, no. 12, 1964, 526-533

TOPIC TAGS: pig iron, methane, metal hardness, metal tensile strength

ABSTRACT: The treatment of molten pig iron with methan causes a reduction in the size of primary and eutectic cells, as well as an increase in the portion of perlite. Hardness and tensile strength are higher, Orig. art. has: 36 figures, 8 graphs, 1 table.

ASSOCIATION: Centrul de cercetari metalurgice (Metallurgical Research Center)

SUBMITTED: OO

ENCL: OO

SUB CODE: MM

NR REF SOV: 000

OTHER: 004

JPRS

Card *gm* 1/1

SOPRONI, L.; NICOLOIU, E.

Considerations on the cast iron modifying mechanism by
nitrogen treatment. Rev Roum metallurg 9 no. 1:53-63 '64.

SOFRONI, L.; NICOLOIU, E.

Research on cast iron modification by the methane gas treatment.
Studii cerc metalurgie 9 no.2:195-204 '64.

SOFRONIC, ANDJELIJA

MARINKOVIC, Ivan J, Prim. Dr. ; SOFRONIC, Andjelija, asist. dr.

Fixed erythema. Med. preg., Novi Sad 8 no.1:10-13 1955.

1. Dermatoveneroloska klinika Medicinskog fakulteta--Beograd
Upravnik: prof. dr Sima Ilic.

(ERYTHEMA,
fixed, etiol., drugs (Ser))
(DRUGS, inj. eff.
fixed erythema (Ser))

PRETORIAN, D., ing.; MARCUS, I., ing.; DRAGOS, Z., ing. SOFRONIE, M., ing.

Producing highly resistant ordinary cast iron with lamellar
graphite. Metalurgia constr mas 15 no.8:501-503. Ag '63.

SOFRONIE, R.

Covering a sport and festivity hall by a suspended shell. p. 616.

REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII. (Asociatia Stiintifica a Inginerilor si Technicienilor din Romania si Ministerul Constructiilor si al Marerualelor de Constructii) Bucuresti, Rumania. Vol. 10, no. 12, Dec. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 6, June 1959

Uncl.

SOFRONITSKIY, A. V.

Theoretical Astrophysics, Structure of Stellar Atmospheres (3480)

Izv. Glavnoy Astron. Observ. v Pulkove, 19, 4, No 151, 1953, pp 1-33

Sofronitskiy, A. V.
Physical Nature of Subgiant Satellites in Close Eclipsing Stars

Analyzes peculiarities of luminosity curves of close eclipsing binaries explained by light absorption of the main star by the extended atmosphere of the satellite subgiant and its gas stream. Ninety-seven photometric observations of V505 Sagittari were processed at the Crimean Astrophysics Observatory.

SO: Referativnyy Zhurnal -- Astronomiya i Geodeziya, No 5, 1954 (W-30976)

SOFRONITSKIY, P. A.
Subject : USSR/Geology AID P - 1776
Card 1/1 Pub. 78 - 14/26
Authors : Sofronitskiy, P. A., Trifonova, N. A., and Mel'nik, I. M.
Title : ~~Changed views on the geological structure of the Molotov-~~
Kama River region
Periodical : Neft. khoz., v.33, no.3, 58-63, Mr 1955
Abstract : A detailed analysis is made of the stratigraphy, oil-
bearing capacity and tectonic structure of the Molotov
region west of the Urals in the basin of the Kama River.
Institution: None
Submitted : No date

SOFRONITSKIY, P.A. (Molotov)

Tectonic features of the Paleozoic between the Urals and the
Vyatka River. Uch.zap.Kaz.un. 115 no.10:121-126 '55. (MLRA 10:5)
(Ural Mountain Region--Geology, Structural)

Sofronitskiy, P.A.

NALIVKIN, V.D.; ROZANOV, L.N.; FOTIADI, E.E.; YEGOROV, S.P.; YENGURAZOV, I.I.; KOVALEVSKIY, Yu.S.; KOZACHENKO, A.A.; KONDRAT'YEVA, M.G.; KUZNETSOV, G.A.; KULIKOV, F.S.; LOBOV, V.A.; SOFRONITSKIY, P.A.; TATARINOV, A.G.; PRITULA, Yuriy Aleksandrovich, redaktor; DAYEV, G.A., vedushchiy redaktor; GENNAD'YEVA, I.M., tekhnicheskii redaktor.

[Volga-Ural oil-bearing region: Tectonics] Volgo-Ural'skaia neftenosnaia oblast'. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1956. 312 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologo-razvedochnyi institut. Trudy, no.100) [Microfilm] (MLRA 10:4)
(Volga Valley--Petroleum geology)
(Ural Mountain Region--Petroleum geology)

SOFRONITSKIY, P.A.; ABRIKOSOV, I.Kh.

Oil potential of Perm Province. Geol.nefti i gaza 3 no.10:
1-8 0 '59. (MIRA 12:12)

1. Permskiy sovnarkhoz.
(Perm Province--Petroleum geology)

ABRIKOSOV, I.Kh.; SOFRONITSKIY, P.A.

Geology and oil potential of the upper and central Kama Valley.
Trudy VNIGNI no.13:181-215 '59. (MIRA 13:1)
(Kama Valley--Petroleum geology)

SCFRONITSKIY, P. A.

Cand Geol-Min Sci - (diss) "Geology and petroleum-bearing capacity of the Ufa-Solikamskaya depression in the Perm region." Leningrad, 1961. 27 pp; (Ministry of Geology and Mineral Resources Conservation USSR, All-Union Petroleum Scientific Research Geological Surveying Inst "VNIGRI"); 250 copies; price not given; list of author's works at end of text (13 entries); (KL, 5-61 sup, 181)

SOFRONITSKIY, P.A.

"Grand" well, forebear of the Volga-Ural oil and gas bearing
province. Geol. нефти i gaza 8 no.9:62-63 S '64. (MIRA 17:11)

1. Permakiy gosudarstvennyy universitet.

NALIVKIN, V.D.; DEDEYEV, V.A.; IVANTSOVA, V.V.; KATS, Z.Ya.; KRUGLIKOV, N.M.;
LAZAREV, V.S.; SVFRCHKOV, G.P.; CHERNIKOV, K.A.; SHABLINSKAYA, N.V.;
Prinimal učastiye: ZHABREV, I.P.; ROZANOV, L.N.; SOFRONITSKIY, P.A.;
KHAIN, V.Ye.; SIMONENKO, T.N.; SOKOLOV, V.N.; YAKOVLEV, O.N., gidrogeolog

[Comparative analysis of the oil and gas potential and the tectonics
of the West Siberian and Turan-Scythian platforms.] Srovnitel'nyi
~~analiz naftogazonosnosti i tektoniki Zapadno-Sibirskoi i Turano-~~
Sibirskoi plit. Leningrad; Nedra, 1965. 322 p. (Leningrad.
Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi
institut. Trudy, no.236) (MIRA 18:6)

SOPRONITSKIY, P.A.; SHERSHNEV, K.S.

Tectonics of the Kama Valley portion of Perm Province in the
light of new data. Trudy VNIGNI no.36:18-31 '63. (MIRA 17:9)

L 38164-66 EWT(m)/EWP(j)/T RM/DS

ACC NR: AP6019237

SOURCE CODE: UR/0364/66/002/003/0311/0313

AUTHOR: Misyuk, E. G.; Davtyan, O. K.; Sofronkov, A. N.; Uminskiy, M. V.

ORG: Odessa State University im. I. I. Mechnikov (Odesskiy gosudarstvennyy universitet)

TITLE: A study of electrode semiconducting catalyzers

SOURCE: Elektrokimiya, v. 2, no. 3, 1966, 311-318

TOPIC TAGS: electrode, semiconductor catalyst, lithium, nickel, oxide, electrochemistry, electric conductivity, defect structure, temperature dependence, lattice parameter, solid solution, activation energy, chemisorption

ABSTRACT: The effect of fluctuations in hole concentration on electroconductivity, lattice parameters and activation energies was studied in solid solutions of $\text{Li}_x\text{Ni}_{(1-x)}\text{O}$. Equations are derived for the desorption and chemisorption of oxygen in $\text{Li}_x\text{Ni}_{(1-x)}\text{O}$, and for the formation of hole complexes essential to semiconducting oxides. The above oxides were formed by reacting nickel and lithium carbonates with acetic acid and decomposing the resulting acetates in air at 600°C . In this way, oxide mixtures containing 10, 20, 30, 40 and 50 at % lithium were produced. The solid solutions were produced by heating the mixtures at 700, 800, 1000 and 1200°C . The concentration of Ni^{3+} , Li_2O and Li in the solid solutions are given for various Li starting concentrations ($[\text{Li}^+]_0$) and reaction temperatures. Lattice parameters varied linearly with

UDC: 541.135.52-44

Card 1/2

L 38164-86

ACC NR: AP6019237

formation temperature from 4.16 Å at 700°C to 4.18 Å at 1000°C. Electrical conductivity (σ), $[\text{Ni}^{3+}]$ content and $\sigma/[\text{Ni}^{3+}]$ are given as a function of formation temperature for test temperatures ranging from 20 to 500°C. Maxima always occurred at 900°C (formation temperature) and the maxima was found to increase with test temperature. Maxima also occurred for $[\text{Ni}^{3+}]$, plotted as a function of $[\text{Li}^+]_0$ at $[\text{Li}^+]_0 = 30\%$. Activation energies calculated for $[\text{Li}^+]_0 = 20\%$ ranged from 0.83 to 4.37 kcal/mol depending on the formation and test temperatures. The electrical conductivity depended on the activation energy, lattice parameter and jump frequency of the transition holes; thus it possessed an electron hole nature as well as an ionic one. The latter was the cause of hole complex dissociation and the dissociation of "inert" interstitial lithium oxides into ions. Orig. art. has: 6 figures, 2 tables, 10 formulas.

SUB CODE: 07,11/ SUBM DATE: 01Feb65/ ORIG REF: 004/ OTH REF: 006

Card 2/2 MLP

KRIVSKIY, M., inzh.; SOFROMOV, A., inzh.

Rotary giant. Tekh.mol. 28 no.11:20-21 '60.
(Excavating machinery)

(MIRA 13:12)

DEMENT'YEV, I.V., dotsent; ZAYTSEV, A.T., inzh.; SOFRONOV, A.A., inzh.;
Prinimali uchastiye: GRACHEV, A.N.; LAMBERG, H.A.

Laboratory investigation of sublevel caving systems for deep
levels of the northern Karabash deposit. Izv. vys. ucheb. zav.;
gor. zhur. 7 no.10:15-21 '64.

(MIRA 18:1)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva (for
Dement'yev, Zaytsev). 2. Ural'skiy nauchno-issledovatel'skiy
i proyektnyy institut mednoy promyshlennosti (for Sofronov).
Rekomendovana kafedroy razrabotki rudnykh i rossypnykh mesto-
rozhdeniy Sverdlovskogo gornogo instituta.

SOFRONOV, A.M. [deceased]; TSIRLIN, Yu.A.

Some physical properties of head cabbage. Izv.vys.ucheb.zav.;
pishch. tekhn. no.6:23-27 '61. (MIRA 15:2)

1. Khar'kovskiy sel'skokhozyaystvennyy institut imeni V.V.Dokuchayeva,
kafedra fiziki i meteorologii i kafedra rasteniyevodstva.

SOFRONOV, A.P.; PETLAKH, V.S.

Intestinal obstruction complicated by membrano-omental hernia.
Zdrav. Bel. 9 no.8:86 Ag'63 (MIRA 17:3)

1. Iz Yel'skoy rayonnoy bol'nitsy (glavnyy vrach bol'nitsy
A.P. Sofronov).

L 24357-66 FSS-2/EWT(1)

ACC NR: AP6005958

SOURCE CODE: UR/0127/66/000/002/0057/0060

AUTHOR: Sofronov, A. V.; Abramov, A. V.; Nizovoy, Yu. K.; Nefedov, A. P.; Vitseni, Ye. M.

27
25
B

ORG: none

TITLE: The development and application of "dynamo-reactive" grenade launchers in the mining industry

SOURCE: Gornyy zhurnal, no. 2, 1966, 57-60

TOPIC TAGS: mining engineering, grenade, ground weapon, weapon launcher

ABSTRACT: In 1960, the Ramenskoye Branch of VNIgeofiziki (Ramenskoye otdeleniye VNIgeofiziki) began research on the design of a firing system to eliminate overhangs in mining operations. One of the most acceptable versions of the design is a system operating on the recoilless weapon principle: the "dynamo-reactive" cannon

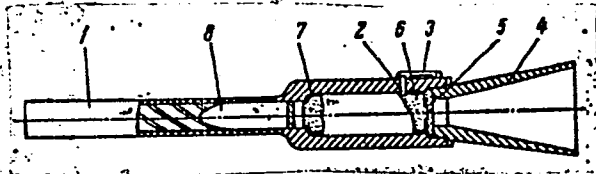


Fig. 1. Diagram of a recoilless cannon.

1 - Barrel; 2 - cap bushing; 3 - firing mechanism; 4 - nozzle; 5 - bottom plate; 6 - cartridge; 7 - cartridge case; 8 - shell

Card 1/2

UDC: 621.926.1

L 24357-66

ACC NR: AP6005958

(see Fig. 1). The advantages of the proposed device are: small caliber, low weight, no recoil with high power, high maneuverability, and the opportunity of firing dummies or high-explosive projectiles. Further research resulted in the design of the DRS-130 dynamo-reactive grenade launcher (see Fig. 2). The results obtained in

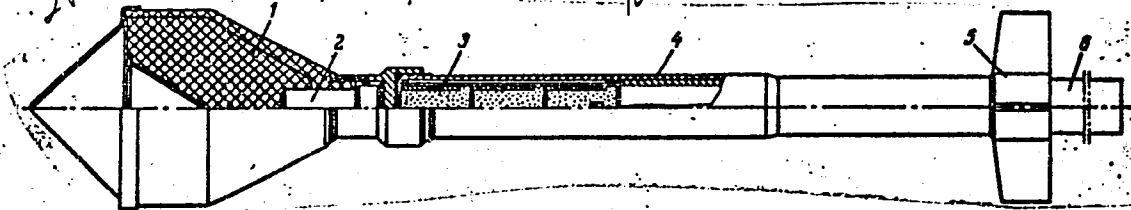


Fig. 2. The DRS-130 dynamo-reactive grenade launcher.

- 1 - Shell; 2 - igniter; 3 - powder charge; 4 - charge chamber; 5 - fins; 6 - barrel.

ballistic tests were excellent and tests were conducted under field conditions. In addition to its main function, the grenade launcher may also be used to string cable, to eliminate the danger of avalanches, and to break up ice formations in rivers. Orig. art. has: 4 figures and 1 table.

[08]

SUB CODE: 19/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 002/ APP PREP: Card 2/2

SOFRONOV, Anatoliy Vladimirovich; SEKUNDOV, N., redaktor

[Story of a flight to Japan] Rasskaz o polete v Iaponiu. Moskva,
Izd-vo "Pravda," 1957. 64 p. (Biblioteka "Ogonek," no.24)

(MLRA 10:5)

(Japan--Description and travel)

LIVANOV, Aleksandr Pavlovich; POSPELOV, Yuriy Andreyevich; SOFRONOV, Aleksandr Vladimirovich; PRASOLOV, B.A., red.; PLESKO, Ye.P., red.izd-va; AKOPOVA, V.M., tekhn. red.

[Organization of fuel and lubrication service at logging camps] Organizatsiia goriuche-smazochnogo khoziaistva v les-promkhozakh. Moskva, Goslesbumizdat, 1963. 199 p.

(MIRA 16:12)

(Motor fuels) (Lubrication and lubricants)

SOFRONOV, A.V.; GROBENKO, L.A.

Heat-resistant compacted charges for bullet perforators. Razved. i
prom. geofiz. no.27:59-71 '59. (MIRA 12:7)
(Petroleum engineering) (Explosives)

SOFRONOV, Boris Fedorovich, master proizvodstvennogo obucheniya

Thinking about the future. Prof.-tekh. obr. 19 no.6:22-23
Je '62. (MIRA 15:7)

1. Tekhnicheskoye uchilishche No.13 g. Moskvyy.
(Teaching)

SOFRONOV, B.N.

Practical application of casein hydrolysate medium in whooping
cough. Zhur.mikrobiol.epid.i immun. no.3:12-14 Mr '54. (MLRA 7:4)

1. Iz otdela mikrobiologii (zaveduyushchiy - professor V.I.Ioffe)
Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk
SSSR. (Bacteriology--Cultures and culture media) (Casein)
(*Haemophilus pertussis*)

SIMAKOVA, T.L.; SOFRONOV, B.N.

Growth of freshly isolated cultures of *Hemophilus pertussis* on casein hydrolysate medium with decreased blood content. Zhur.mikrobiol.epid.i immun. no.3:15-19 Mr '54. (MLRA 7:4)

1. Iz otdela mikrobiologii (zaveduyushchiy - professor V.I.Ioffe) Instituta eksperimental'noy meditsiny.
(*Hemophilus pertussis*) (Bacteriology--Cultures and culture media)
(Casein)

SOFRONOV, B.N.

"Blood serum transfusion in animals (species nonspecific serum)."
N.G.Belen'kii. Reviewed by B.N.Sofronov. Zhur.mikrobiol.epid.i
immun. no.5:114-116 My '55. (MLRA 8:7)
(ALLERGY)
(BLOOD--TRANSFUSION)
(BELEN'KII, N.G.)

SOFRONOV, B.N.
~~SOFRONOV, B.N.~~

Effect of levomycetin, streptomycin, and preparation no.16 on multiplication of Hemophilus pertussis and on the development of experimental whooping cough in white mice. Zhur.mikrobiol. epid. i immun. no.9:46-47 S '55. (MLRA 8:11)

1. Iz otdela mikrobiologii (zav.prof. V.I.Ioffe) Instituta eksperimental'noy meditsiny AMN SSSR.

(WHOOPING COUGH, experimental,

eff. of chloramphenicol, streptomycin & preparation 16)

(CHLORAMPHENICOL, effects,

on exper.whooping cough & Hemophilus pertussis in vitro)

(HEMOPHILUS PERTUSSIS, effect of drugs on,

chloramphenicol, streptomycin & preparation 16) :

(STREPTOMYCIN, effects,

on exper. whooping cough & Hemophilus pertussis in vitro)

SOFRONOV, B.N.

Effect of ionizing radiation on focal infection and the effectiveness of its prevention and therapy; experiments with whooping cough infection. Med.rad. 1 no.2:33-40 Mr-Ap '56. (MIRA 9:9)

1. Iz otdela mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof. V.I.Ioffe) Instituta eksperimental'noy meditsiny (dir. - chlen-korrespondent AMN SSSR prof. D.A.Biryukov) AMN SSSR
(WHOOPING COUGH, experimental,
focal pulm. infect. in mice, eff. of x-rays (Rus))
(FOCAL INFECTION, experimental,
whooping cough pulm. focal infect., eff. of x-ray in mice (Rus))
(ROENTGEN RAYS, effects,
on exper. whooping cough focal pulm. infect. (Rus))

SKLYAROVA, N.N.; SOFRONOV, B.N.

Experience in the practical application of laboratory diagnosis of whooping cough in the polyclinic. Zhur. mikrobiol. epid. i immun. 27 no.4:22-26 Ap '56. (MLRA 9:7)

1. Iz Instituta imeni Pastera i Instituta eksperimental'noy meditsiny AMN SSSR.

(WHOOPING COUGH, prev. and control laboratory tests)

SOFRONOV, B.N.

Effect of ionizing radiation on experimental *Klebsiella pneumoniae*.
Med.rad. 3 no.4:89-90 J1-Ag '58. (MIRA 12:3)
(PNEUMONIA)
(X RAYS--PHYSIOLOGICAL EFFECT)

SOPRONOV, B. N.; PETROPAVLOVSKAYA, N. A.; SMIRNOVA, A. M.;
ZALESSKAYA, V. V.; FILATOVA, Z. V.; RUBEL, N. N.; TIKHONOVE, V. I.

"Special features of the microiological immuno-epidemiological characteristics of scarlet fever treated with penicillin."

Report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

IVANTEYEVA, Ye.P.; SCFRONOV, B.N.; DIL'MAN, V.M.

Determination of prolactin in the urine by the immunological method. Probl. endok. i gorm. 9 no.6:99-101 N-D '63.

(MIRA 17:11)

1. Iz kabineta endokrinologii laboratorii eksperimental'noy onkologii (zav. - prof. N.V. Lazarev) Instituta onkologii (dir. - prof. A.I. Serebrov) AMN SSSR i otdela mikrobiologii (zav. - prof. Ioffe) Instituta eksperimental'noy meditsiny (dir. - prof. D.A. Biryukov) AMN SSSR.

SOPRONOV, B.N. (Leningrad)

Conference dedicated to the problems of immunopathology. Vest.
AMN SSSR 18 no.11266-73 863 (MIRA 1747)

DIL'MAN, V.M.; IVANTEYEVA, Ye.P.; SOFRONOV, B.N.

Immunological study of the lactogenic hormone. Biul. eksp. biol.
i med. 55 no.4:49-52 Ap '63. (MIRA 17:10)

1. Iz endokrinologicheskogo kabineta Instituta onkologii (dir. -
deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov) AMN SSSR i
otdela mikrobiologii Instituta eksperimental'noy meditsiny (dir. -
deystvitel'nyy chlen AMN SSSR D.A. Biryukov), AMN SSSR, Leningrad.