

ALEKSANDROV, A.D.; SEN'KIN, Ye.P.

Supplement to the article "Nonreflectivity of convex surfaces."
Vest.Len.un. 11 no.1:104-106 '56. (MLBA 9:5)
(Polyhedra) (Surfaces)

SUBJECT USSR/MATHEMATICS/Geometry CARD 1/1 PG - 498
AUTHOR SEN'KIN E.P.
TITLE Unique definiteness of convex polyhedra.
PERIODICAL Uspechi mat.Nauk 11, 5, 211-213 (1956)
reviewed 1/1957

The author proves the following theorem from which follows the theorem of Cauchy on the convergence of isometric closed convex polyhedra: Let P_1 and P_2 be two isometric convex polyhedra, where P_1 (resp. P_2) lies completely on the boundary of the convex closure of P_1 (resp. P_2) and O_1 (resp. O_2). Here O_1 and O_2 may lie on the boundary or outside of the boundary of the convex closures of P_1 and P_2 respectively. Let L_1 and L_2 be the boundaries of P_1 and P_2 . If all distances between O_1 and the points of L_1 are equal to all distances between O_2 and the isometrically corresponding points of L_2 , then P_1 and P_2 are congruent.

SENKIN, Ye. P.

Ye. P.
 / Senkin, Ye. P. Concerning a property of bending of convex surfaces with a boundary. Vestnik Leningrad Univ. Ser. Mat. Meh. Astr. 12 (1957), no. 7, 173-174. (Russian. English summary)

3
1-F/W
/

Let F_1, F_2 be two intrinsically isometric convex surfaces in E^3 of class C^2 and with positive Gauss curvature and with boundaries L_1, L_2 . If F_1 is not congruent to F_2 then there are points a_1, a_1', b_1, b_1' on L_1 such that the corresponding points a_2, a_2', b_2, b_2' on L_2 (under the isometry) satisfy the inequalities $|a_1 - a_1'| < |a_2 - a_2'|$ and $|b_1 - b_1'| > |b_2 - b_2'|$, where $|x - y|$ is the distance of x and y in E^3 . The hypothesis that the curvature be positive is essential. H. Byseman (Los Angeles, Calif.).

//

Distr: LFI

ll
Adap

See N.A.M., E.P.

SEMKIN, E.P.

SEE SHEMYAKIN, M.M. FOR THIS ABSTRACT.
Sarkomycin and its Analogs. I Synthesis of Dihydrosarkomycin and its Antipode.
Zhur. Obshchey Khim. 27,742-8, (1957).

84911

S/043/60/019/004/014/015XX
C 111/ C 333

16,5600

AUTHOR: Sen'kin, Ye. P.

TITLE: On Bending of General Convex Surfaces With Boundary
PERIODICAL: Vestnik Leningradskogo universiteta, Seriya matematiki, mekhaniki i astronomii, 1960, Vol. 19, No. 4, pp. 87-94

TEXT: Theorem I: Let F_1 and F_2 be isometric general convex surfaces with arbitrary boundaries L_1 and L_2 . Assume that F_1 and F_2 contain no rectilinear lines, the two end points of which lie on L_1 and L_2 (intervals which totally consist of marginal points are admitted). If then the surface F_1 is not congruent to the surface F_2 , then there exist pairs of points A_1, B_1 and C_1, D_1 on L_1 such that $r(A_1, B_1) > r(A_2, B_2)$ and $r(C_1, D_1) < r(C_2, D_2)$, where A_2, B_2, C_2, D_2 are points on L_2 isometrically corresponding to the points A_1, B_1, C_1, D_1 , while r denotes the spatial distance.

The theorem has been already proved for regular surfaces by the author in (Ref. 1).


From theorem I it follows the well-known theorem of A. V. Pogorelov: Theorem II: Isometric closed convex surfaces are congruent.

Card 1/3

84911

S/043/60/019/004/014/015XX
C 111/ C 333

On Bending of General Convex Surfaces With Boundary

$X_2, Y_2 \in Q_2$ be isometrically corresponding points, $r(X_1, Y_1)$ and $r(X_2, Y_2)$ their spatial distances. If for arbitrary pairs of points it holds $r(X_1, Y_1) \geq r(X_2, Y_2)$, then Q_1 and Q_2 are congruent. 

Lemma I is proved with the aid of a lemma from (Ref.3).

There are 3 Soviet references.

Card 3/3

SEN'KIN, Ye.P.

Single-valued determinability of one class of general convex
bounded surfaces. Vest.LGU 16 no.19:77-82 '61. (MIRA 14:10)
(Surfaces)

SEN'KIN, Ye. P.

Stability of solutions to elliptic equations. Vest. LGU 18
no.1:46-47 '63. (MIRA 16:1)

(Equations--Numerical solutions)

S/043/63/000/001/002/011
D218/D308

AUTHOR: Sen'kin, Ye. P.

TITLE: Stability of solutions of elliptic equations

PERIODICAL: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 1, 1963, 46-47

TEXT: A. D. Aleksandrov (DAN SSSR, v. 134, 5, 1960) has estimated the effect of variation of the right hand side of the equation $\sum a_{ik} z_{ik} = f$ on the solution of this linear elliptic equation. Yu. A. Volkov (Vestnik LGU, 13, 1960), and also I. Ya. Bakel'man (UMN, v. 15, no. 1 (91) 1960), obtained analogous results for the elliptic equation $\|z_{ik}\| = \varphi$. It is now shown that the estimates obtained by Volkov and Bakel'man can be simply

Card 1/2

Stability of solutions...

S/043/63/000/001/002/011
D218/D308

deduced from Aleksandrov's results for linear equations in the case of Monge-Ampere equation

$$z_{xx}z_{yy} - z_{xy}^2 = \varphi(x, y). \quad (1)$$

In particular, if z_1 and z_2 are the generalized solutions of this equation in a bounded convex region D , which are convex to $z < 0$ and coincide on the boundary L of D , then

$$|z_2 - z_1| < C(D) \sqrt{\iint_D |\varphi_2 - \varphi_1| dx dy}. \quad (2)$$

SUBMITTED: October 16, 1962

Card 2/2

AUTHORS: Govorova, R. A., Sen'kin, Ye. P. 20-118-4-22/61
TITLE: Some Features of the Grinding of Glass With Soft
Abrasives (Ob osobennostyakh shlifovki stekla myagkimi
shlifoval'nikami)
PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 4,
pp. 705-708 (USSR)

ABSTRACT: The cavities in glass are from 30 to 50 % less deep, if soft abrasives are used instead of abrasives of cast iron. The present paper investigates the reasons for this phenomenon and exactly defines several details of the grinding process. When the worked piece is rotated below the abrasive, the grain of the abrasive sooner or later moves into such a position as to make possible an increase of the strains transferred from the glass or from the abrasive without causing a motion of the corn. The grain is conically shaped, which represents its operational position. When a conical shape is reached, the following cases are possible:
1) the grain passes through the operational position

Card 1/3

Some Features of the Grinding of Glass With Soft Abrasives 20-118-4-22/61

curves corresponding to grinding agents from aluminum and plexiglass pass considerably lower. This speaks in favor of the fact, that abrasives of aluminum and plexiglass do not destroy the largest grains of the basic fraction. Further on the authors mention other experimental data, which confirm the correctness of the here found values on strains. Then the number N of active grains in abrasives of cast iron and plexiglass is approximately estimated. About 2 % of the grains are active below an abrasive of cast iron and about 7 % below an abrasive of plexiglass. There are 2 figures, 2 tables, and 1 reference, 1 of which is Soviet.

ASSOCIATION: Institut khimii silikatov Akademii nauk SSSR
(Institute for the Chemistry of Silicates, AS USSR)

PRESENTED: July 8, 1957, by A. A. Lebedev, Member of the Academy

SUBMITTED: July 4, 1957

AVAILABLE: Library of Congress
Card 3/3

NIKOLAYEVA, V.G.; RYABOV, M.N.; IVANYUKOV, D.V.; POPOVA, E.M.; SAMGIN, I.B.;
ZLOTNIKOV, L.Ye.; DZHINCHARADZE, V.M.; SEN'KINA, M.I.; Primalni
uchastiye: KRYMOVA, H.H.; MALINOV, V.K.

Refining of heavy residual fuels by washing and separation.
Khim.i tekh.topl.i masel 7 no.5:26-31 My '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva,
Moskovskiy neftepererabatyvayushchiy zavod i Vsesoyuznyy nauchno-
issledovatel'skiy i konstruktorskiy institut khimicheskogo mashino-
stroyeniya. 2. Moskovskiy neftepererabatyvayushchiy zavod (for
Krymova, Malinov).

(Petroleum as fuel)

POPOVA, E.M.; NIKOLAYEVA, V.G.; SEN'KINA, M.I.

Rapid methods of analysis of wash liquids in the purification
of gas-turbine residual fuels. Khim.i tekhn.topl.i masel 7
no.7:62-65 JI '62. (MIRA 15:9)
(Petroleum as fuel) (Emulsions)

L 35528-65 ENT(m)/EPF(c)/T Pr-4 WE S/0286/65/000/005/0059/0059
ACCESSION NR: AP5008181

AUTHORS: Nikolayeva, V. G.; Popova, E. M.; Perchenko, A. A.; Lysenko, M. N.; Sen'kina, M. I. 19 B

TITLE: A method for lowering the congealing temperature of fuels. Class 25, No. 168829

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 58

TOPIC TAGS: fuel, temperature shift, oil, solidification

ABSTRACT: This Author Certificate presents the application of vat remnants of fatty acids neutralized with magnesium to lower the congealing temperature of fuels.

ASSOCIATION: none

SUBMITTED: 25Aug62

ENCL: 00

SUB CODE: IE, FF

NO REF SOV: 000

OTHER: 000

Card 1/1

L1631

18 1152

S/148/62/000/009/006/007
E021/E483

AUTHORS: Gulyayev, A.P., Gorelik, S.S., Sen'kina, M.S.

TITLE: Structural changes during cold-working and recrystallization of molybdenum

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, no.9, 1962, 160-164

TEXT: The structural changes during deformation and subsequent annealing of cast molybdenum were studied in relation to the hardening and softening processes. Bars of commercially pure molybdenum were forged at 1600°C and annealed at 1200°C for 2 hours. Samples 13 mm thick were then cut from the bars, rolled at 500°C to 30 and 80% reduction and then annealed at temperatures of up to 1500°C. The changes in the structure were followed by X-ray diffraction. The microstresses and size of the regions of coherent scattering were determined. The beginning of recrystallization was determined by the usual X-ray method. Metallographic examination and hardness measurements were also carried out. After 80% reduction, hardness of Mo increased by a factor of 1.6; this increase in hardness was considerably less

Card 1/3

X

~~SEN'Kila, Vera~~

New designs for rugs. Pat. i sial. 33 no.8:5 Ag '57. (MLPA 10:2)
(Vitebsk--Rugs)

СЕН'КІВ, П. П.

Dissertation: "Double Scattering of Pi-Mesons in Nucleons." Cand Phys-Math Sci,
L'viv State U, L'viv, 1953. Referativnyi Zhurnal—Zhurnal, Moscow, No 8, Apr 54.

SO: BUM 284, 26 Nov 1954

SEN'XIV, M.T., starshiy vkladach.

Effective cross section of double scattering of mesons on
the threshold of the effect. Dop.ta pov.L'viv.un. no.4, pt.
2:71-72 '53. (MLRA 9:11)

(Mesons--Scattering)

KARABUT, Z.G.; SEN'KIV, M.T.

Specific nucleon energy. Dop. ta pov. L'viv. un. no.5 pt.2:
79-80'55. (MIRA 9:10)

(Nucleons)

SEN'KIV M.T.
KOBILYANSKIY, V.B. [Kobylyans'kyl, V.B.] ; SEN'KIV, M.T.

Radiation dispersion of electrons. Dop. ta pov. L'viv. un.
no.7 pt.3:237-238 '57. (MIRA 11:2)
(Electrons)

S/058/62/000/012/004/048
A160/A101

AUTHOR: Sen'kiv, M. T.

TITLE: Green's function of the particles system

PERIODICAL: Referativnyy zhurnal, Fizika, no. 12, 1962, 29, abstract 12A279
("Dopovidi ta povidoml. L'vivs'k. un-t", no. 9, 1961, part 2, 27 -
28, Ukrainian)

TEXT: A summary of a report on the construction of equations for Green's
functions of n -electrons. Green's function of $n - 1$ particles becomes a part of
the equation for Green's function of n -particles.

[Abstracter's note: Complete translation]

Card 1/1

SEN'KO, A.

SEN'KO, A.

~~Industrial cooperatives during the past 40 years. Prom.koop.~~
no.11:4 N '57. (MIRA 10:12)
(Cooperative societies)

SELEZNEV, Yu.; SEN'KO, A.; SUDARCHIKOV, V.

Testing of engines. Mor. flot 22 no.6:25 Je '62. (MIRA 15:7)

1. Starshiy inspektor rechnogo Registra RSFSR (for Seleznev).
 2. Upolnomochenny Ministerstva rechnogo flota po priyemke flota pri Sretenskom sudostroitel'nom zavode (for Sen'ko).
 3. Nachal'nik otдела tekhnicheskogo kontrolya Sretenskogo sudostroitel'nogo zavoda (for Sudarchikov).
- (Marine engines--Testing)

SEN'KO, A.K., inzh.

Enlarging measuring limits of pneumatic micrometers. Mash.Bel.
no.4:180-181 '57. (MIRA 11:9)

(Micrometer)

SENKO, A K.

PHASE I BOOK EXPLOITATION SOV/5592

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniya v narodnom khozyaystve SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy Vsesoyuznogo soveshchaniya 12 - 16 aprelya 1960 g. g. Riga, v 4 tomakh. t. 4: Poiski, razvedka i razrabotka poleznykh iskopayemykh (Radioactive Isotopes and Nuclear Radiation in the National Economy of the USSR; Transactions on the Symposium Held in Riga, April 12 - 16, 1960, in 4 volumes. v. 4: Prospecting, Surveying, and Mining of Mineral Deposits) Moscow, Gostoptekhizdat, 1961. 284 p. 3,640 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskyy komitet Soveta Ministrov SSSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Eds. (Title page): N. A. Petrov, L. I. Petrenko, and P. S. Savitskiy; ed. of this volume: M. A. Speranskiy; Scientific ed.: M. A. Speranskiy; Executive Eds.: N. N. Kuz'mina and A. G. Ionel';

Card 1/11

Radioactive Isotopes and Nuclear (Cont.)

SOV/5592

development of radioactive methods used in prospecting, surveying, and mining of ores. Individual reports present the results of the latest scientific research on the development and improvement of the theory, methodology, and technology of radiometric investigations. Application of radioactive methods in the field of engineering geology, hydrology, and the control of ore enrichment processes is analyzed. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Alekseyev, F. A. Present State and Future Prospects of Applying the Methods of Nuclear Geophysics in Prospecting, Surveying, and Mining of Minerals	5
Bulashevich, Yu. P., G. M. Voskoboynikov, and L. V. Muzuykin. Neutron and Gamma-Ray Logging at Ore and Coal Deposits	19
Gordeyev, Yu. I., A. A. Mukher, and D. M. Srebrdol'skiy. The	

Card 3/11

S/169/62/000/009/061/120
D228/D307

AUTHOR: Sen'ko, A. K.

TITLE: Studying the nature of the correlation of radioactive and nonradioactive elements

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 43, abstract 9A284 (In collection: Vopr. rudn. geofiz., no. 3, M., Gosgeoltekhizdat, 1961, 114-118)

TEXT: The correlations of radioactive and nonradioactive elements were studied in 13 deposits and ore manifestations of differing genesis, representing by the ores of 10 elements (niobium, tantalum, rare-earths, zirconium, phosphorous, vanadium, molybdenum, tungsten, and copper). It was established that the possibility and expediency of applying the correlation method to determine the content of a nonradioactive element from the concentration of its radioactive accessory is mainly conditioned by a deposit's genetic peculiarities and is most perspective in sedimentary deposits. The correlation method's application in deposits of hydrothermal gene-

Card 1/2

3,9200

30232

S/169/62/000/003/030/098
D228/D301

AUTHOR: Sen'ko, A. K.

TITLE: Photoneutron method of seeking, prospecting, and sampling beryllium ores

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 27, abstract 3A225 (V sb. Radioakt. izotopy i yadern. izlu-cheniya v nar. kh-ve SSSR, v. 4, M., Gostoptekhizdat, 1961, 163-171)

TEXT: ~~PH/5~~ 4-59 (FNUV-4-59) type equipment for determining the beryllium content of powdered samples by the photoneutron method is described. The apparatus consists of C4-3 (SCh-3) type series neutron radiometer and a special emitter, in which beryllium samples are irradiated by gamma-rays of isotope Sb^{124} , with an initial activity of 50 millicuries. The registration of retarded photoneutrons is accomplished by four CHMO-5 (SNMO-5) type counters. The measurement range for the given equipment lies within the limits of Card 1/3

S/169/62/000/003/030/098
D228/D301

Photoneutron method of ...

from 0.002% BeO to 100% Be. The productivity comprises from 4 to 10 samples per hour when analyzing ores with a content of 0.01% BeO and above. The apparatus is attended by one operator and is without hazard in its handling. The method of comparison with a standard is used in the measurements. Data are cited about the correction coefficients for the self-absorption of neutrons in relation to the sample's absorbent content and for the sample density. The good convergence with the data of chemical analysis is noted, as is the adequate authenticity, which allows the obtained results to be used for calculating all categories of reserves. The results of investigations on clarifying the possibility of seeking beryllium deposits from dispersion aureoles are stated. With this aim the sensitivity of the FNUV-4-59 equipment was raised by means of increasing the number of SNMO-5 counters to 11 and raising the initial activity of Sb^{124} to 75 millicuries. In this case the sensitivity threshold equals 0.0005% BeO. It is shown that beryllometric surveying, based on the photoneutron analysis of drift samples, is possible in principle and expedient in practice. The characteristic

Card 2/3

SEN'KO, A.K.

Possibility of radiometric sampling of beryllium ores in a state
of natural bedding. Razved. i prom. geofiz. no.39:69-71 '61.
(MIRA 15:3)

(Radioactive prospecting) (Beryllium)

SEN'KO, A. M.

SEN'KO, A. M. -- "The Development of New Methods of Selection for Non-Perishable Breads." Min Higher Education USSR. Leningrad Agricultural Inst. Leningrad, 1955. (Dissertation for the Degree of Candidate of Agricultural Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

SEN'KO, A. P.

А. М. Бродский, А. Н. Антонов, В. М. Мельник, А. П. Селько

Обобщенная электродинамическая установка для измерения диаметров малой мощности в диапазоне 0,75-1,8 см.

А. Д. Сельковский, В. А. Юров, В. Н. Крыжановский, А. К. Дурович

Пленочные болометры для измерения мощности СВЧ

А. Н. Мамонтов

Оптимальные параметры радиометра

М. Б. Матвеева

О корреляционной измерительной системе сигналов в диапазоне 2-35 МГц

В. С. Букин

Метод калибровки и проверки интерференционной мощности волн в диапазоне от 12 см до 25 МГц

10 КОПИЙ (с 18 до 22 часов)

40

Г. Д. Бурдун, Е. В. Зальцман, В. Е. Полюхов

Метод точного измерения параметров диэлектрических и магнетронных диэлектриков волн

М. Р. Галлар, В. Н. Юров

Устройства для исследования спектра излучения в микроволновом и субмикроволновом диапазонах

Ю. Я. Юров, В. Н. Виноградов

Измерение диэлектрической проницаемости стержневых образцов в диапазоне СВЧ

Л. Н. Бронский

Точные измерения КСВН с помощью фазоразличителя в зондовой плоскости

11 КОПИЙ (с 10 до 16 часов)

Л. Н. Бронский

Методы измерения волноводных измерительных линий в диапазоне 0,75-10,0 см.

41

report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications. In. A. S. Popov (VSEVIX), Moscow, 8-12 June, 1959

SENKO, A.P.

PHASE I BOOK EXHIBITION 80/5135
Nauchno-tekhnicheskoye obshchestvo radioelektroniki i elektromekhaniki in. A.S. Popova

100 let so dnya rojdeniya A.S. Popova; yubileyaya sessiya (One Hundredth Anniversary of the Birth of A.S. Popov; Anniversary Session) (Moscow) Yedro AN SSSR, 1960. 212 p. Errata slip inserted. 2,500 copies printed.

Sponsoring Agency: Akademiya SSSR.

Chief Ed.: A.L. Mints, Academician; Editorial Board: G.D. Burdum, A.R. Volkov, I. Ye. Goren, L. I. Gutsmacher, I.I. Gurov, M.D. Deryabov, L.A. Zhekalov, S.I. Kalyayev, M.S. Reyzov, V.J. Sitov, and M.I. Chistyakov; Ed. of Publishing House: L.V. Gessen; Tech. Ed.: S.G. Markovitch.

PURPOSE: This collection of reports is intended for scientists and technicians working in radio engineering and telecommunications.

CONTENTS: The reports included in this collection were submitted at the scientific meeting held in 1959 by the Nauchno-tekhnicheskoye obshchestvo radioelektroniki i elektromekhaniki in. A.S. Popova (Scientific and Technical Society of Radio

Engineering and Telecommunication Inst. in Moscow) in commemoration of the 100th anniversary of A.S. Popov's birth. Only 18 of the reports, 100 in total, submitted at the meeting are included. The remainder are published in the periodicals of the AS USSR. State Committees, the Ministry of Communications, and the Society Inst. A.S. Popov. The book contains the reports read at plenary sessions by A.I. Shchukhin, Academician, A.A. Piskol'kov, Corresponding Member, AS USSR, and K.I. Adirovich and L.I. Gutsmacher, Professors, as well as those selected as the most interesting given in the following sections by their respective chairmen: Theory of Information, Antenna Systems, Receiving Devices, Wire Communications, Paleristics, Electronics, Radio Measurements, General Radio Engineering, Transmitting Devices, Radio Wave Propagation, Electron Microscopy, Radio Broadcasting, Electroacoustics and Sound Recording, Electronic Computer Engineering, and HF Ferrite Devices. These chairmen were on the Editorial Board which prepared the papers for publication. References accompany most of the reports.

One Hundredth Anniversary (Cont.) 80/5135

Almashlyev, Y.A., Prospects of Developing HF Electronic Amplifiers With Low Noise Factor	171
Feget, A.S., Concerning the Theory of Parametric Frequency Amplification and Conversion in Waveguide Systems	179
Brodskiy, A.I., A.M. Akhlyester, V.I. Megda, and A.P. Sen'ko, Standard Calorimetric Installation For The Checking of Low-Power Meters	188
Burkin, G.D., Ye.B. Zaitseva, and V.Ye. Poparkova, Installation For Measuring Dielectric Permeability and Dielectric Loss-Angle Tangent in the 8-cm Wave Band	194
Raspadin, B.I., Methods of Raising the Peak and Average Power of a Single-Beam Transmitter	202
Gusay, V.D., Yu.V. Kuznetsovskiy, and S.F. Mirkotan, Comparison of Results of Observation of Large and Small Nonuniformities in the F ₂ Layer	211

Cont'd

29773
S/194/61, 300/006/064/077
D201/D302

9,6000 (1089,1159)

AUTHORS: Brodskiy, A.I., Akhiyezer, A.H., Magda, V.I. and
Sen'ko, A.P.

TITLE: Standard calorimetric equipment for checking small
power meters

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 6, 1961, 18-19, abstract 6 I107 (V sb. '100 let
so dnya rozhd. A.S. Popova', M., AN SSSR, 1960,
188-193)

TEXT: The arrangement is based on the division of the power mea-
sured by the calorimeter by means of a standard directional coupler.
It consists of power source, wavemeter, SHF power level-stabilizer,
attenuator, standard directional coupler and a standard calorimeter. X
The SHF power sources are typical, oil immersed klystrons. The use
of an oil bath and a good supply stabilization makes the 15 min.
frequency drift better than $1-2 \times 10^{-5}$. The power level stabilizer

Card 1/2

VOLOSHIN, A.I.; BOGOYAVLENSKIY, K.A.; AKHTYRCHENKO, A.M.; TURIK, I.A.;
 ZHIDKO, A.S.; LYALYUK, V.S.; GABAY, L.I.; ONOPRIYENKO, V.P.;
 STARSHINOV, B.N.; BABIY, A.A.; SAVELOV, N.I.; Primali
 uchastiye: TORYANIK, E.I.; VASIL'YEV, Yu.S.; SHEMEL', T.I.;
 SENYUTA, V.I.; BONDARENKO, I.P.; AMSTISLAVSKIY, D.M.;
 ANDRIANOV, Ye.G.; SERGEYEV, G.N.; ZAMAKHOVSKIY, M.A.;
 LYUKIMSON, M.O.; IVONIN, V.K.; TSIMBAL, G.I.; SEN'KO, G.Ye.;
 KONAREVA, N.V.; SOLODKIY, Yu.L.; LUKASHOV, G.G.; TARASOV, D.A.;
 GORBANEV, Ya.S.; SUPRUN, I.Ye.; TIKHOMIROV, Ye.I.; KONONENKO, P.A.;
 PROKOPOV, V.N.; GULYGA, D.V.; PLISKANOVSKIY, S.T.; PONOMAREVA, K.Ye.

Effect of the length of coking on coke quality and the performance
 of blast furnaces. Koks i khim. no.12:26-32 '61.

(MIRA 15:2)

1. Ukrainskiy uglekhimicheskiy institut (for Voloshin,
 Bogoyavlenskiy, Akhtyrchenko, Turik, Zhidko, Lyalyuk, Toryanik,
 Vasil'yev, Shemel'). 2. Zhdanovskiy koksokhimicheskiy zavod
 (for Gabay, Senyuta, Bondarenko, Amstislavskiy, Andrianov,
 Sergeyev, Zamakhovskiy, Lyukimson, Ivonin, TSimbal). 3. Ural'skiy
 nauchno-issledovatel'skiy institut chernykh metallov (for
 Onopriyenko, Starshinov, Babiy, Sen'ko, Konareva, Solodkiy).
 4. Zavod "Azovstal'" (for Savelov, Lukashov, Tarasov, Gorbanev,
 Suprun, Tikhomirov, Kononenko, Prokopov, Gulyga, Pliskanovskiy,
 Ponomareva).

(Coke)

(Blast furnaces)

SEN'KO, G.Ye., Inzh.

Cooling blast furnaces with natural gas. Stal' 24 no.10:87/-
879 0 '64. (MIRA 17:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov.

SEN'KO, G.Ye.; ONOPRIYENKO, V.P.; TSARITSYN, A.N.; MOZGOVOY, V.M.; CHERNOV,
G.I.; KONAREVA, N.V.

Analysis of blast furnace performance with the automatic control of
the blast in the air tuyeres. Stal' 25 no.7:590-593 J1 '65. (MIRA 18:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i Makeyevskiy
metallurgicheskiy zavod.

STARSHINOV, B.N.; SINITSKIY, V.D.; SEN'KO, G.Ye.; GULYGA, D.V.; BABIY, A.A.;
KHORUZHIIY, A.G.; Prinsipali uchastiye: OSTROUKHOV, M.Ya.; SAVELOV,
N.I.; PLISKANOVSKIY, S.T.; MOISEYEV, Yu.G.; LAVRENT'YEV, M.L.;
TARASOV, F.P.; ZAGREBA, A.V.; KAMENEV, R.D.; TKACHENKO, A.A.;
FREYDIN, L.M.; LUKIN, P.G.; POPOV, Yu.A.; MISHIN, P.P.; KARACHENTSEV,
M.D.; DOLMATOV, V.A.; AYUKOV, A.S.; PALAGUTA, V.P.; VYAZOVSKIY, Yu.V.;
SOLODKIY, Yu.A.; KONAREVA, N.V.; SAPRONOV, Yu.V.; SINITSKAYA, S.K.;
SAPRONOV, B.V.; LEKAREV, V.L.; STOLYAR, V.V.; PROKHORENKO, Z.A.;
BANDINA, Ye.Ye.

Results of the first year of operation of large capacity blast
furnaces. Sbor. trud. UNIIM no.11:34-46 '65.

(MIRA 18:11)

STARSHINOV, B.N.; SEN'KO, G.Ye.; PLISKANOVSKIY, S.T.

Investigating processes in the upper part of the shaft of a
large blast furnace. Sbor.trud. UNIIM no.11:56-65 '65.
(MIRA 18:11)

IVANITSKIY, YE., ~~SENKO, K.~~ SENKO, K.

Hydroelectric Power Stations

At the foot of "Mogutova" Hill. Nauka i zhizn' 19 No. 5 1952

Monthly List of Russian Acquisitions. Library of Congress. August 1952. UNCLASSIFIED.

SEN'KO, L., inzh.

Innovators of the Kuznetsk Basin. Mast. ugl. 8 no.11:7 H '59.
(MIRA 13:2)

(Kuznetsk Basin--Coal mines and mining)

~~SEN'KO, L.S.~~, inzh.; NIKITIN, V.D., inzh.; TOMASHEVSKIY, L.P., inzh.;
PAYAL'NIKOV, A.N., tekhnik

Rapid making of a two-lane haulageway in the Kuznetsk Basin. Shakht.
stroi. 6 no.12:14-17 D '62. (MIRA 16:5)

1. Shakhta No.3/3-bis Prokop'yevskogo tresta ugol'noy promyshlennosti
kombinata Kuzbassugol' Ministerstva ugol'noy promyshlennosti SSSR.
(Kusnetsk Basin--Tunneling)

SEN'KO, L.S., inzh.; TOMASHEVSKIY, L.P., inzh.

Labor safety in combined mining with flexible shields. Bezop.-
truda v prom. 7 no.3:4-6 Mr '63. (MIRA 16:3)

1. Shakhta No.3-3-bis, Kuzbass.
(Kuznetsk Basin--Coal mines and mining--Safety measures)

SEN'KO, L.S., inzh.; NIKITIN, V.D., inzh.; PAYAL'NIKOV, A.N., tekhnik

Driving a haulage drift at a rate of 815 m a month. Shakht.
stroil. 7 no.6:20-23 Je '63. (MIRA 16:7)

1. Shakhta No.3/3-bis Prokop'yevskogo tresta ugol'noy promysh-
lennosti kombinata Kuzbassugol' Ministerstva ugol'noy promysh-
lennosti SSSR.
(Kuznetsk Basin--Mining engineering)

ROMANOV, V.P., inzh.; VIL'CHITSKIY, V.V., inzh.; FAYNER, I.A., inzh.; SEN'KO,
L.S., inzh.; VOYNIKANIS, H.V., inzh.; BOYKOV, V.V., inzh.; BLOKHOV,
B.G., inzh.

Making 2,753m of crosscut in hard rock in 31 days. Shakht. stroi. 8
no.6:17-21 Je '64. (MIRA 17:10)

1. Kombinat Kuzbassugol' (for Romanov, Vil'chitskiy, Fayner). 2.
Shakhta No.3/3-bis tresta Prokop'yevskugol' (for Sen'ko). 3. Trest
Prokop'yevskugol' (for Voynikanis). 4. Kuznetskiy mashinostroitel'nyy
zavod (for Boykov, Blokhov).

SEN'KO, L.S., inzh.; KOCHETKOV, N.G., brigadir; FAYNER, I.A., inzh.

Outstanding achievements of Kuznetsk Basin miners. Shakht. stroi.
8 no.7:1-4 J1 '64. (MIRA 17:10)

1. Shakhta No.3/3-bis Prokop'yevskogo rudnika (for Kochetkov). 2.
Kombinat Kuzbasugol' (for Fayner).

SEN'KO, L.S.; TOMASHEVSKIY, L.P.

Method of approximately estimating the strength of flexible shield elements. Vop.gor.davl. no.22:52-56 '64.

(MIRA 18:6)

1. Shakhta No.3-3 bis tresta Prokop'yevskugol'.

21.2110

15.2230

24739

S/131/61/000/007/001/003

B105/B206

AUTHORS: Rutman, D.S., V'nogradova, L.V., Makarova, T.S., Kalliga, G.P.,
Kolbasova, V.A., Shal'nov, Ye.I.

TITLE: Improvement of the technology of zirconium products for
casting from aqueous suspensions of the pre-stabilized ZrO_2

PERIODICAL: Ogneupory, no. 7, 1961, 301-302

TEXT: Experiments are described here which were conducted at the Podol'skiy zavod ognepornyykh izdeliy (Podol'sk Plant of Refractory Products) to investigate the possibility of avoiding the previous grinding of zirconium dioxide and, thus, shorten the technology of zirconium products. Industrial zirconium dioxide with a content of 97.5% ZrO_2 + HfO_2 and chemically pure calcium carbonate were used for the experiment. A mixture of 93% ZrO_2 and 7% CaO was prepared. Briquets were pressed from it at a pressure of 500 kg/cm^2 and burned at temperatures of 1600°C and 1700°C respectively. The microscopic and X-ray structural analysis showed a stabilization degree of 93-95% of ZrO_2 in the briquets. The effect of the pH of the
Card 1/3

24739
S/131/61/000/007/001/003
B105/B206

Improvement of the technology ...

medium on the viscosity index of the crude zirconium mass was also tested. The particles are characterized by high values of the ξ potential, which cause the stability of the crude mass. With the parameters mentioned, an experimental batch of crucibles with a content up to 300 cm³ was cast. The characteristic values of the blanks and of the products burned for 9 hr at 1600°C are compared in the table with the characteristic values for previous grinding of ZrO₂ and rinsing before stabilization. The duration of the production cycle is shortened by about ten days and grinding and rinsing of ZrO₂ previous to preparation for stabilization are omitted. The use of stabilized ZrO₂ without previous grinding showed that the sintering ability of the material was slightly improved. There are 1 figure and 1 table.

ASSOCIATION: Podol'skiy zavod ognepornyykh izdeliy (Podol'sk Plant of Refractory Products) D.S. Rutman, L.V. Vinogradova, T.S. Makarova; Khimiko-tehnologicheskii institut im. Mendeleyeva (Chemical-technological Institute imeni Mendeleev) G.P. Kalliga, V.A. Kolbasova, Ye.I. Shal'nov.

Card 2/3

24739
S/131/61/000/007/001/003
B105/B206

Improvement of the technology

Legend to Table 1: 1) Preparation method for zirconium products, 2) weight of unit volume of the blanks, g/cm³; 3) burned products; 4) weight of unit volume, g/cm³; 5) water absorption, %; 6) shrinkage, %;
a) casting from stabilized ZrO₂ without previous grinding of the initial materials;
b) casting from stabilized ZrO₂ (usual process)

Table

1	2				3	4	5	6
	Метод изготовления циркониевых изделий	Объемный вес сырья, г/см ³	Объемный вес, г/см ³	Водопоглощение, %				
а	Литье из стабилизированной ZrO ₂ без предварительного помола исходных материалов	3,1	5,3	0,3	16,0			
б	Литье из стабилизированной ZrO ₂ (обычная технология)	2,8-3,1*	5,4	0,0	17-20			

Card 3/3

S/063/63/008/002/005/015
A057/A126

AUTHORS: Poluboyarinov, D.N., Professor, Shal'nov, Ye.I.

TITLE: Hot-pressing of pure oxide ceramics

PERIODICAL: Zhurnal vsesoyuznogo khimicheskogo obshchestva imeni D.I. Mendele-
yeva, v. 8, no. 2, 1963, 148 - 154

TEXT: The method of hot-pressing of the oxides BeO, MgO, CaO, Al₂O₃, is discussed and two devices for pressing are described. The discussion is based on literature data, except some results on Al₂O₃ microstructures obtained through investigations in the Kafedra tekhnologii keramiki i ogneporov MKhTI im. D.I. Mendeleeva (Department of Technology of Ceramics and Refractory Materials MKhTI imeni D.I. Mendeleev). The described method is used to obtain articles with higher density, i.e., sintering is intensified by applying pressure. The density of articles manufactured by the hot-pressing of beryllium oxide attains 2.9 g/cm³. It was determined that normal sintering occurs principally by a diffusion process, while in hot-pressing by plastic flow. Investigations of the growth of the grain during hot pressing are important for the knowledge of the

Card 1/3

S/063/63/008/002/005/015
A057/A126

Hot-pressing of pure oxide ceramics

properties of the manufactured articles, but also for studies of the mechanism of sintering. The size of BeO crystals is effected by admixtures, i.e., more fine-grained materials are obtained with admixtures. The surface activity of particles effecting the sintering degree of MgO depends on the hot-pressing of MgCO₃ which forms the fine-crystalline oxide powder by decomposition. For the hot-pressing of CaO also carbonate is used as initial material and a secondary calcination of the CaO is carried out at 1,700°C after aging, and a 2.88 g/cm³ density is attained. At the Department of Technology of Ceramics and Refractory Materials they investigated the sintering of some different forms of alumina (hydrate, technical-grade alumina Al₂O₃, corundum monocrystals, and alumo-ammonia alums) in vacuum and observed no increase of density even at a sintering temperature of 2,000°C. Hot-pressing was studied with samples of industrial grade Al₂O₃ at pressures of 51 - 127 kg/cm² and 1,200 - 1,700°C with 10 - 30 min holding time. The experimentally obtained densities were in good agreement with the calculated values. In the same laboratory the hot-pressing of the mentioned different forms of alumina was then investigated. A special device was constructed (containing a 15 kw high-frequency generator, a system for the transfer of the pressure, a vacuum system - 10⁻⁵ torr - and a system for filling with inert

Card 2/3

Hot-pressing of pure oxide ceramics

S/063/63/008/002/005/015
A057/A126

gas). The investigated material was pressed in forms of 15 mm diameter, 5 mm height in an inert gas at 1,500, 1,600, 1,700, and 1,800°C with holding times of 10, 20, 30, and 60 min, and specific pressure of 500 kg/cm². The following results were obtained: The relative density of 3.96 g/cm³ was attained at 1,600°C in 30 min and for corundum at 1,700°C. In none of the samples could be attained a relative specific density above 0.97 by hot-pressing at 1,500°C during 60 min. The difference of density between the various alumina samples decreases with increasing temperature. The obtained samples showed a fine-grained crystalline structure (sintered at 1,600°C the grain size is below 1 μ, at 1,700°C 2 - 3 μ, and at 1,800°C single grains with 250 - 300 μ were observed among 1 - 3 μ ones. There are 10 figures and 6 tables.

Card 3/3

L 48568-65 EWG(j)/EPA(s)-2/EWP(e)/EWT(m)/EWP(w)/EPP(c)/EWP(i)/EWP(t)/EPP(n)-2/
EWA(d)/EPR/EPA(w)-2/T/EWP(b) Pst-1b/Pt-4/Ps-4/Pt-7/Pu-4 IJP(c) JD/WH
UR/0081/65/000/004/M008/M008

ACCESSION NR: AR5009905

SOURCE: Ref. zh. Khimiya, Abs. 4M56

AUTHOR: Poluboyarinov, D. N.; Shal'nov, Ye. I.

TITLE: Some problems in hot pressing of pure oxides

CITED SOURCE: Tr. Mosk. khim.-tekhno. in-ta im. D. I. Mendeleeva, vyp. 45, 1964, 96-98

TOPIC TAGS: alumina, bending strength, density, vacuum annealing, hot pressing

TRANSLATION: The density and bending strength for hot pressed specimens of Al_2O_3 were compared with these same properties for samples annealed in a vacuum. A maximum strength of 6560 kg/cm^2 is developed during hot pressing for 30 min at 1700° under a pressure of 500 kg/cm^2 . A strength of 3360 kg/cm^2 is attained during annealing in a vacuum up to 1800° , and a density of 3.97 g/cm^3 is reached during annealing in a vacuum up to 1900° ; materials should be used which have been cleaned in concentrated HCl with the addition of 0.4% MgO. Samples of Al_2O_3 with various purities and preliminary heat treatment have a density of $\approx 3.98 \text{ g/cm}^3$ with hot

Card 1/2

L 48568-65

ACCESSION NR: AR5009905

pressing up to 1600-1700°.

SUB CODE: MT

ENCL: 00

Card 2/2

KLEMPARSKAYA, N.N.; SHAL'NOVA, G.A.; POZDNYAKOV, A.L.

Possibility of nonspecific increase of resistance against infection
in BCG-vaccinated mice. Zhur. mikrobiol., epid. i imm. 41 no. 2:
141 F '64. (MIRA 17:9)

11983
S/219/62/054/009/004/004
I015/I215

27.12.20

27.32.20 (2320-24)

AUTHORS:

Klemparskaya, N.N. and Shal'nova, G.A.

TITLE:

The stimulating effect of a combined immunisation of BCG vaccine and other vaccines on immunogenesis in irradiated and non-irradiated mice

PERIODICAL:

Byulleten' eksperimental'noy biologii i meditsiny, v. 54, no. 9, 1962, 78-81

TEXT:

There is no report to be found in medical literature on the use of BCG vaccine as an adjuvant to other vaccines. Experiments were carried out on 1474 albino female mice weighing 18-20g, inoculated with a living B.coli culture injected s.c. into 220 mice (25 or 100 millions of microorganisms); a monovaccine of B. paratyphi Breslau No. 2503 killed at 56-58°C, injected i.c. into

Card 1/3

S/219/62/054/009/004/004
I015/I215

The stimulating effect....

439 mice (200 millions); a tetravaccine (from the Ufa Institute of Vaccines and Sera) against typhoid, B. paratyphi B, S. flexneri and S. sonnei, injected s.c. at a dose of 0.25 ml into 760 mice. The dry BCG vaccine was obtained from the Institute of Epidemiology and Microbiology imeni N.F. Gamaley AMS USSR. It was added (1mg/0.1 ml *physiol. solution*) to the vaccines immediately before the injection, in its native form or after autoclaving. A whole body irradiation was carried out on groups of 12 mice with a 300 r dose at a dose rate of 20-22r/min. Immunity was tested by inoculation with living bacterial cultures. It was found that the addition of BCG vaccine as an adjuvant to other vaccines increased markedly the immunity of

Card 2/3

KLEMPARSKAYA, N.N.; SHAL'NOVA, G.A.

Stimulating influence of combined immunization with BCG vaccine and other vaccines on immunogenesis in irradiated and nonirradiated mice. Biul. eksp. biol. med. 54 no.9: 78-81 S '62. (MIRA 17:9)

1. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

SHAL'NOVA, G. A., Cand Med Sci (diss) -- "Changes in the biological properties of microbes in the organism of animals in acute radiation disease". Moscow, 1959. 17 pp (Acad Med Sci USSR), 250 copies (KL, No 12, 1960, 131)

273400 also 2320

40481

S/205/62/002/002/014/015
1020/1215

AUTHORS: Klemarskaya, N. N. and Shal'nova, G. A.

TITLE: The stimulation of immunogenesis in irradiated animals by the combined administration of certain bacterial antigens

PERIODICAL: Radiobiologiya, v. 2, no. 2, 1962, 332

TEXT: The following gram-negative antigens were administered together with БЦХ (BCG) vaccine for stimulation of immunogenesis in mice, in which immunogenesis was repressed following whole-body irradiation of 300 r: B. coli (220 mice), monovaccine of S. breslau (439 mice), and tetravaccine against typhoid fever, paratyphoid B, S. flexneri, and S. sonne (696 mice). Inoculation was performed 24 hours after irradiation. The animals were divided into 4 groups, each containing both irradiated and non-irradiated animals. The first received only antigen, the second—antigen + BCG vaccine, the third—only the BCG vaccine, and the fourth (control)—physiological salt solution. In all the experiments in which the antigen was combined with the BCG vaccine there was a twofold increase in survival and a two to threefold increase in agglutinin titre. Similar results were obtained with tetanus anatoxin in combination with the BCG vaccine.

SUBMITTED: November 29, 1961.

Card 1/1

ACCESSION NR: AT4044489

apparent during the first few days after irradiation, when no clinical symptoms are evident; recovery does not take place until about a month later, which is much longer than is required for the clinical symptoms to disappear. The authors suggest that infection of the animals with living microorganisms is a valuable technique for evaluating the immune response and for developing vaccination schedules following irradiation. Data are presented showing that the mortality rate of mice infected with paratyphoid bacilli, BCG or E. coli is significantly increased by irradiation, but that the immune response can be increased 2-4 times by addition of living or dead BCG cells to vaccines prepared from Gram-negative organisms, a combination which is well tolerated by the animals. "The activating effect of BCG vaccine on the development of antitoxic immunity was studied in the authors' laboratory by Aspirant V.M. Zemskov." Orig. art. has: 1 table.

ASSOCIATION: none

SUBMITTED: 29Jun64

ENCL: 00

SUB CODE: LS

NO REF SOV: 015

OTHER: 000

Card 2/2

~~MEISEL, M. N.~~ SHAL'NOVA

10001-0002

3975 AEC-tr-2435((Pt. 4)(p.79-88))
CHARACTERISTICS OF THE INACTIVATION OF MICRO-
ORGANISMS IN RADIATION STERILIZATION. M. N.
Meisel, T. S. Remezov, R. D. Galtsova, G. A. Medvedeva,
N. A. Pomoshchnikova, M. H. Shal'nova, and V. M. Alekseeva.
p.79-88 of CONFERENCE OF THE ACADEMY OF
SCIENCES OF THE USSR ON THE PEACEFUL USES OF
ATOMIC ENERGY, JULY 1-5, 1955: SESSION OF THE
DIVISION OF BIOLOGICAL SCIENCE. (Translation). 10p.
This paper was originally abstracted from the Russian
and appeared in Nuclear Science Abstracts as NSA 9-7617.

med

emk

SHAL'NOVA, M.N.

Formation of toxic agents in radiation sterilization [with summary
in English]. Zhur.ob.biol. 19 no.3:234-239 My-Je '58. (MIRA 11:6)

1. Institut mikrobiologii AN SSSR.
(RADIATION STERILIZATION) (YEAST)

SHAL'NOVA, M.A. —

PHASE I BOOK REVOLUTION SOV/3808

21(4); 17(0)

International Conference on the Peaceful Uses of Atomic Energy, 2d, Geneva, 1958
Doklady sovetskikh uchenykh; radiobiologiya i radiatsionnaya medicina
(Reports of Soviet Scientists; Radiobiology and Radiation Medicine)
Moscow, Izd-vo OIAP, vpr. po ispol'zovaniyu atomnoy energii pri
Sovetskiy Minister SVSR, 1959. 429 p. 8,000 copies printed. (Series:
Tuzhaya mezhdunarodnaya konferentsiya po mirovomu ispol'zovaniyu atomnoy energii.
trudy, tom 2)

General Ed.: A.V. Lobudinskiy, Corresponding Member, USSR Academy of Medical
Sciences; Ed.: E.S. Shal'nova; Tech. Ed.: Ye.I. Masal'.
PURPOSE: This book is intended for physicians, scientists, and engineers
as well as for professors and students at various where radiobiology and
radiation medicine are taught.

COVERAGE: This is Volume 2 of a 6-volume set of reports delivered by Soviet
scientists at the Second International Conference on the Peaceful Uses of
Atomic Energy, held on September 1-13, 1958, in Geneva. Volume 5 contains
32 reports edited by Candidates of Medical Sciences S.Y. Levinitskiy and V.Y.
Sedov. The reports cover problems of the biological effects of ionizing
radiation, future consequences of radiation in small dosages, effects
in medical and biological research, uses of atomic energy for diagnostic
and therapeutic purposes, soil absorption of uranium fission products,
their intake by plants, and their storage in plants and foodstuffs.
References accompany each report.

Reports of Soviet Scientists (cont.)

Levin, I.Y., The Acetylating Function of the Coenzyme A System in Radiation Sickness (Report No. 2299)	160
Mirzali, M.H., R.D. Gal'tsova, G.A. Melnikova, N.A. Ponomorenkova, L.A. Salyerova, and M.A. Shal'nova. Effect of Ionizing Radiation and of Radio- nucleic Substances on the Microbial Cell (Report No. 2320)	167
Komarovskiy, M.F., and V.Y. Shikhovtsov. Local Tests to Show the State of Immune-activation and Autoimmunization of an Irradiated Organism (Report No. 2072)	180
Radtsigovskiy, A.A., P.B. Yuzovskiy-Finkel', M.O. Smushchinskaya, M.P. Rogozharskiy, M.I. Rodin, M.F. Kozlovskiy, G.M. Shklyar, and K.I.B. Lagutina. Experience in Treating Radiation Sickness with Leucocyte and Thrombocyte Substances (Report No. 2298)	188
Yudin, A.G., and I.B. Krivitskiy. Experiments to Determine Maximum Permissible Thermal Radiation Flux (Report No. 2078)	196
Medvedevskiy, B.F., and V.L. Kravchenko. Isotopic Method in Studying the Kinetics Effect on Metabolism in Osseous Tissue (Report No. 2072) Cont V/7	205

SHALOBANOV, V.P., FAYGENBLYUM, G.A., LAZYK, N.F., inzh.

Train dispatcher communications by high-frequency channels.
Avtom., telem. i sviaz' 2 no. 8:24-25 Ag '58. (MIRA 11;8)

1. Nachal'nik laboratorii signalizatsii i svyazi Dal'nevostochnoy dorogi (for Shalobanov).
2. Starshiy inzhener laboratorii signalizatsii i svyazi Dal'nevostochnoy dorogi (for Faygenbluym).
3. Laboratoriya signalizatsii i svyazi Dal'nevostochnoy dorogi (for Lazyk).

(Railroads--Communication systems)

SHALOBANOV, V.P.

SHALOBANOV, V.P.

Auxiliary power supply for L-8 apparatus. Avtor. telon. i
sviaz' 5 no. 833-34 S '61. (MIR 14:10)

1. Nachal'niki laboratorii signalizatsii i svyazi
Dal'novostochnoy gosst. (Electric power supply to apparatus)
(Dal'novosts--Electronic equipment)

SHALOBANOV, V.P.

Change in the network for the direct control of a rebroadcasting system of selective communications. Avtom., telem. i svyaz' 6 no.10:44-45 0 '62. (MIRA 16:5)

1. Nachal'nik laboratorii signalizatsii i svyazi Dal'nevostochnoy dorogi, vneshtatnyy korrespondent zhurnala "Avtomatika, telemekhanika i svyaz'".

(Railroads--Communication systems)

SHALOBAYEV, G.A., entomolog

The work of entomologists. Zdrav.Tadzh. 6 no.4:46-47
J1-Ag '59. (MIRA 12:11)

1. Stalinabadskaya rayonnaya bol'nitsa.
(WORMS, INTESTINAL AND PARASITIC)

YERMOL'YEVA, Z.V.; YAROVY, L.V.; GIVENTAL', N.I.; SHALOMAYENKO, V.A.

Intramuscular administration of tetracyclines in the treatment
of patients with brucellosis. Antibiotiki 4 no.4:57-59 J1-Ag
'59. (MIRA 12:11)

1. Kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR
prof.Z.V.Yermol'yeva) Tsentral'nogo instituta usovershenstvovaniya
vrachey i kafedra infektsionnykh bolezney (zav. - dotsent L.V.
Yarovoy) Stavropol'skogo meditsinskogo instituta.
(BRUCELLOSIS ther)
(TETRACYCLINE ther)

YAROVY, L.V., dotsent; RUDNEV, M.M.; SHALOMAYENKO, V.A.; KABAKOVA, L.V.;
BENINSON, S.M.; KRAYNEV, L.G.

Clinical and epidemiological characteristics of an outbreak of
Q fever in children. *Pediatrics* 42 no.5:73-76 My'63

1. Iz kliniki infektsionnykh bolezney (zav. - dotsent L.V.
Yarovoy) Stavropol'skogo meditsinskogo instituta, Stavropol'-
skogo protivochumnogo instituta i otdela osobo opasnykh in-
fektsiy sanitarno-epidemiologicheskoy stantsii Checheno-Ingush-
skoy ASSR.

*

YAROVY, L.V.; BIRYUKOVA, V.F. [deceased]; SHALOMAYENKO, V.A.

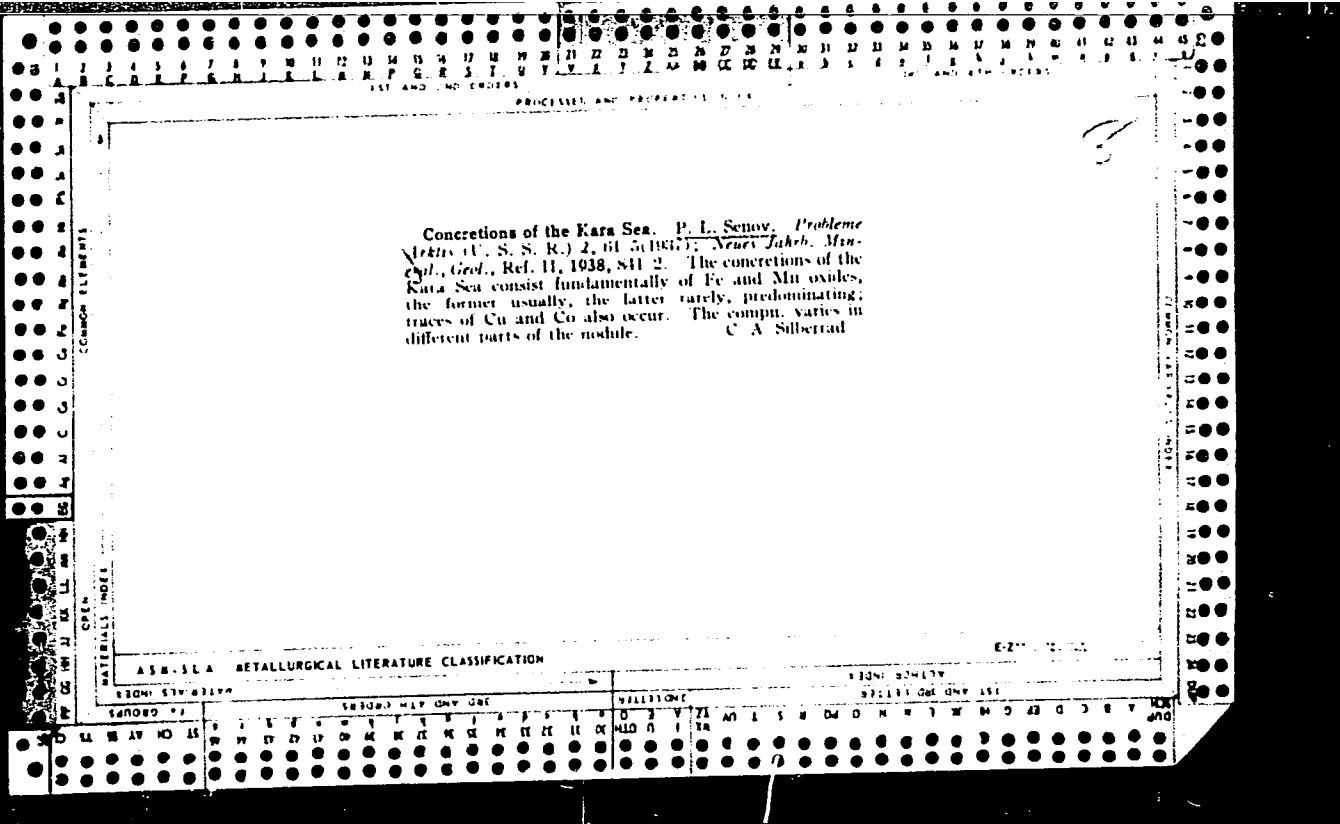
Result of treating patients with generalized brucellosis with antibiotics and vaccines under hospital conditions. Antibiotiki
6 no.3:238-240 Mr '61. (MIRA 14:5)

1. Kafedra infektsionnykh bolezney (zav. L.V.Yarovoy) Stavropol'-
skogo meditsinskogo instituta.
(BRUCELLOSIS) (ANTIBIOTICS) (VACCINATION)

YAROVY, L.V.; BEREZHNOY, M.A.; SHALOMAYENKO, V.A.; BIRYUKOVA, V.F.

Clinical and epidemiological characteristics of a familial outbreak
of encephalitis. Sov. med. 25 no.10:130-131 0 '61. (MIRA 15:1)

1. Iz kliniki infektsionnykh bolezney (zav. - dotsent L.V.Yarovoy)
i kliniki nervnykh bolezney (zav. - dotsent M.A.Berezhnoy)
Stavropol'skogo meditsinskogo instituta.
(ENCEPHALITIS)



1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 1ST AND 4TH ORDERS

ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION

FROM SYMBIOTIC AUTOMATIC 1ST AND 4TH ORDERS

GROUPS ORDER NO. TITLE

MATERIALS INDEX OPEN COMMON ELEMENTS COMMON VARIABLE INDEX

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

Ca 17

✓ Phytochemical examination of marsh cudweed (*Inula uliginosa* L.). P. L. Senay. *Farmatsiya* 1940, No. 2/3, 11-15.—Dried plants of marsh cudweed contain 0.022 wt.-% essential oil, 3.3% fat, 15-16% gum, 52.8-55.6 mg.-% vitamin A, phytosterols and traces of alkaloids and vitamin B₁. It does not contain glucosides, saponins, tannins or bitter principles. Vitamins C and D are absent; no tests were made for vitamins other than A, B₁, C and D. 25 references. Julian F. Smith

1ST AND 2ND CROSS													3RD AND 4TH CROSS												
PROCESSES AND PROPERTIES INDEX																									
CA													17												
Comparative pharmacochemical assay of gum from <i>Astragalus piletocladus</i> Fr. et Sint. P. L. Senov.: <i>Farmatsiya</i> 1940, No. 6, 24-8.—The phys. and chem. properties of gum from <i>Astragalus piletocladus</i> are compared with com. gum arabic and the new gum is given an equal rating in practically every way. Julian F. Smith																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
MATERIALS INDEX													AUTHOR INDEX												
OPEN													COMMON ELEMENTS												
COMMON VARIABLES INDEX													COMMON ELEMENTS												

SENOV, P. L.

PA 1T68

USSR/Pharmacy
Educational Facilities

Feb 1947

"Concerning the State and Outlook of the Development
of Higher Pharmaceutical Education in the USSR,"
P L Senov, 4 pp

"Farmatsiya" No 2

Present and future facilities to train pharmacists

1T68

Senov, P.L.

SENOV, P.L.

[Pharmaceutic chemistry; a textbook] Farmatsevticheskaia khimiia;
uchebnik. 3. perev. i dop. izd. Moskva, Medgiz, 1950 462 p.
(Chemistry, Medical and pharmaceutical) (MLRA 8:11)

1. SENOV, P.L.
2. USSR (600)
4. Agriculture
7. Bibliography on the Chinese magnolia. Moskva. 1952

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

SENOV P.L.

Senov, P. L.: Kurs farmatsevticheskoj khimii. (Course in Pharmaceutical Chemistry). Moscow: Medgiz. 1952. 696 pp. r. 16.

SENOV, P. L., 1952.

Pharmacy - History

First Russian manual on the examination of drugs. Apt. delo No. 1, 1952.

Monthly List of Russian Accessions. Library of Congress
November 1952 UNCLASSIFIED

SENOV, P. L., Prof.

USSR/Medicine - New Drugs

May/June 52

"Data Obtained in the Pharmacological Investigation of Some Drug Preparations Derived From Chinese Limonnik," Prof P. L. Senov

"Aptechnoye Delo" No 3, pp 5-8

A detailed pharmacognostic investigation of limonnik [*Schizandrae chinensis* B.] preps indicated absence of alkaloids, glucosides, saponins, vitamins A, B, and D; presence of essential oils, tanning substances, dyestuffs, and vitamin C. In the search for the active principle of limonnik [which acts as a stimulant], D. A. Balandin succeeded in isolating "schizandrin" from its seeds.

221T20

SENOV, P.L., professor.

"Schisandra kinesis." Reviewed by P.L. Senov. Apt.delo 2 no.3:70-72 My-
Je '53. (MLRA 6:6)
(Botany, Medical)

SEMOV, P.L.

First supplement to the bibliography on Schizandra Chinensis.
Aptech. delo, Moskva 2 no.6:68 Nov-Dec 1953. (CJML 25:5)

SENOV, P.L., professor.

Basic principles of the new edition of the national pharmacopoeia of the U.S.S.R. Apt.delo 3 no.2:57-58 Mr-Ap '54. (MIRA 7:4)

1. Predsedatel' Gosudarstvennogo farmakopeynogo komiteta. Uchenogo soveta Ministerstva zdravookhraneniya SSSR.
(Pharmacopoeias)

SENOV, P. L., professor; FIL'KIN, A. M.

Review of the "Information Circulars" of the Stavropol Territory
section of the Main Administration of Pharmacies of the R.S.F.S.R.
Apt.delo 4 no.1:56-57 Ja-F '55 (MLBA 8:4)

(STAVROPOL TERRITORY)
(PHARAMCOLOGY -- PERIODICALS)

SENOV, P.L.

"Chemistry and technology of chemical and pharmaceutical preparations." M.TS.Robert-Niku. Reviewed by P.L.Senov. Apt.delo 4 no.2: 57-60 Mr=Ap '55. (MLRA 8:5)
(PHARMACOLOGY--HANDBOOKS, MANUALS, ETC)
(ROBERT=NIKU, M.TS.)

SENOV, P.L., professor; MELNITYEVA, G.A., dostent.

Conducting pharmaceutical practice in the fifth year of
pharmaceutic chemistry. Apt. delo. 4 no.6:29-32 N-D '55. (MIRA 9:1)

(PHARMACY, education,
in Russia)

MEL'NICHENKO, A.K.,; OBOYMAKOVA, A.N.,; SENOV, P.L.

Trip to the sixteenth general assembly of the International
Pharmaceutical Society in Great Britain. Apt. delo 5 no.1:50-55
Ja-F '56. (MIRA 9:5)

(PHARMACY--CONGRESSES)

SENOV, P.L., professor

Training pharmacists in the school of Pharmacy of the University of
London. Review. P.L.Senov. Apt.delo 5 no.2:45-48 Mr-Apr '56.
(ENGLAND--PHARMACY) (MLRA 9:7)

SENOV, P.L.

"Scientific bulletin;" a quarterly scientific bulletin of the
Poznan State Scientific Research Institute of Medicinal Plants
[in Polish] Reviewed by P.L.Senov. Apt.delo 5 no.4:60-63 J1-Ag '56.
(POLAND--PHARMACOLOGY--PERIODICALS) (MLRA 9:9)

SENOV, P.L.

Second supplement to the bibliography on the Chinese magnoliavine.
Apt.delo 5 no.6:52-55 H-D '56. (MLA 10:1)
(BIBLIOGRAPHY--SCHISANDRA)

CHMUTOV, K.V., otvetstvennyy redaktor; SHEMYAKIN, F.M., professor, otvetstvennyy redaktor; DAVANKOV, A.B., redaktor; RACHINSKIY V.V., redaktor; SALDADZE, K.M., redaktor; SENOV, P.I., professor, redaktor; TROSTYANSKAYA, Ye.V., professor, redaktor; YEGOROV, N.G., redaktor izdatel'stva; ASTAF'YEVA, G.A., tekhnicheskiy redaktor.

[Studies in ion-exchange chromatography; work of the conference on the application of ion-exchange chromatography in medical and food industry] Issledovaniia v oblasti ionoobmennoi khromatografii; trudy soveshchaniia po primeneniuiu ionoobmennoi khromatografii v meditsinskoi i pishchevoi promyshlennosti. Moskva, 1957. 193 p. (MIRA 10:6)

1. Akademiya nauk SSSR, Komissiya po khromatografii. 2. ~~Chlen~~-korrespondent Akademii nauk SSSR (for Chmutov)
(Ion exchange) (Chromatographic analysis)

SENOV, P.L.

[Pharmaceutical chemistry; textbook for schools of pharmacy]
Farmatsevticheskaia khimiia; uchebnik dlia farmatsevticheskikh
uchilishch. Izd. 4-e, perer. i dop. Moskva, Medgiz, 1957. 454 p.
(MLRA 10:8)

(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

SENOV, P.L.

Some research trends in the field of pharmaceutical analysis during
the sixth five-year plan. Apt.delo 6 no.2:3-5 Mr-Ap '57. (MLRA 10:6)
(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

SENNOV, P.I.

Work in creating a consolidated pharmacopoeia for the Scandinavian
countries. Apt. delo 6 no.3:76-77 My-Je '57. (MIRA 11:1)
(SCANDINAVIA--PHARMACOPOEIAS)

SENOV, P.L.

"Some problems in pharmacy; a collection of papers from pharmacy schools of the Ukrainian S.S.R." Reviewed by P.L.Senov. Apt.delo 7 no.1:87-89 Ja-F '58. (MIRA 11:3)
(PHARMACY)