

PROKOPICH, JAN

CZECHOSLOVAKIA/Zooparasitology - Parasitic Worms.

G-2

Abs Jour : Ref Zhur - Biol., No 6, 1958, 24358

Author : Prokopich Jan

Inst : -

Title : Results of Helminthological Investigation of Hedgehogs in Czechoslovakia.

Orig Pub : Vest. Ceskosl. spolec. zool., 1957, 21, No 2, 97-111

Abstract : In 1954-1955 86 *Erinaceus eutopaeus europaeus* and 37 *E.e. roumanicus* were dissected; 120 hedgehogs (95%) were infected by helminths. The difference in nutrition of hosts notwithstanding, the helminthofauna of both species were found to be similar. 3 species of cestodes were identified: *Rodentolepis erinacei*, *R. steudeneri* (evidence is given favoring species independence), *Mathevotaenia parva*; 5 species of nematodes: *Spirura rytipleurites*, *Physaloptera clausa*, *Crenosoma striatum*, *Capillaria erinacei*, *Eucoleus tenuis*; and two species of skreben: *Prosthorhynchus formosus*, *Nephridiorhynchus major*.

Card 1/1

PROKOPICH, Ya. [Prokopič, J.]

Helminths of shrews of the genus Sorex in Czechoslovakia [with
summary in English]. Zool. zhur. 37 no.2:174-182 ? '58. (MIRA 11:3)

1. Biologicheskiy institut Chekhoslovatskoy AN, Otdel parazitologii,
Praga.

(Czechoslovakia--Worms, Intestinal and parasitic)
(Parasites--Shrews)

PROKOPIEV, N. ; GEORGIEV, A.

"Technical standardization improves the organization of production."

p. 9 (Leba Promishlenost, Vol. 6, no. 12, 1957, Sofia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

FROKOPIEV, N.

"Making a correct schedule for the work shifts and discovering the reserves in the production"

Tezhka Promishlenost. Sofia, Bulgaria. Vol. 8, no. 2, Feb. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

PROKOPICH

CZECHOSLOVAKIA/Zooparasitology - Parasitic Worms.

G-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10055

Author : Prokopich

Inst : -

Title : Study of Helminthofauna of the Genus Neomys.

Orig Pub : Vest. Ceskosl. spolec. zool., 1957, 21, No 1, 44-64

Abstract : On dissection of 46 "kubor" ^[hemp ?] *N. fodiens* helminths (18 species) were found in 80%; of 17 *N. anomalus* 3 were invaded by 4 species of helminths. The disproportionate infection in these 2 species of hemp is evidently related to their different biology. The following changes are introduced into cestode classification: to the genus *Coronacanthus* Spassky, 1954, *Hymenolepis anacetabulata* Soltys, 1954 and *C. spasskii* sp. n. are transferred. In the genus *Vampirolepis* are included *V. tridentophora* Soltys, 1954, *V. sumavensis* sp. n. and *V. magnirostellata* var. *soltysi* (Soltys, 1954) (= *H. magnirostellata* (Baer, 1931) forma

Card 1/2

CZECHOSLOVAKIA/Zooparasitology - Parasitic Worms.

G-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10055

44 Soltys, 1954). A list of 19 helminth species found in hemp is furnished (2 species of trematodes, 10 cestodes, 6 nematodes, 1 species of skreben (?)).

Card 2/2

USSR / Zooparasitology. Parasitic Worms.

G-3

Abs Jour: Ref Zhur-Biol., No 20, 1958, 91061

Author : Prokopich, Ya.

Inst : Not given

Title : The Helminthofauna in Shrews of the genus Sorex
in Czechoslovakia.

Orig Pub: Zool. zh., 1958, 37, No 2, 174-182 (res. Eng.)

Abstract: During the examination of 811 shrews of three species (*Sorex araneus*, *Sorex minutus* and *Sorex alpinus*), 42 species of helminths were discovered, (in the common shrew there were 41 species). The species *Vigisolepis barbascolex* Spassky, 1949, belongs among the varieties of *Vigisolepis spinulosa* (Cholodowsky, 1906). It is unusual to discover the

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USSR / Zooparasitology. Parasitic Worms.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 91061

Abstract: young cestode, *Schistometra conoides*, acting as a parasite during its sexually-mature stage in birds. Apparently the intermediary hosts of this cestode are insects which serve as food for birds and insectivores. Photographs are given of rarely encountered nematodes (*Synthimanthus rhobalocephalus* and *Sobolyphyme soricis*) together with a list of parasites grouped according to their hosts. -- M. Ye. M.

Card 2/2

Prokopovich, A. Ye.

GLAIKOV, B.A.; ALEKSEYEV, V.N.; TOTSKIY, A.N.; KUDINOV, V.A.; AZAREVICH, G.M.
PROKOPOVICH, A.Ye., red.; IVANOV, N.A., red. izd-va; GERASIMOVA, E.S.,
tekhn. red.; UVAROVA, A.F., tekhn. red.

[Modernization of universal drilling machines; instructions] Moderni-
zatsiia universal'nykh sverlil'nykh stankov; rukovodiashchie mate-
rialy. Pod red. A.E. Prokopovicha. Moskva, Gos. nauchno-tekhn. izd-vo
mashinostroit. lit-ry, 1958. 214 p. (MIRA 11:7)

1. Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut
metalloreshushchikh stankov.

(Drilling and boring machinery)

PROKOPIEV, N.

Analysis for utilization of labor productivity according to classification. p. 7.
(TEZHKA PROMISHLENOST. Vol. 3, No. 11, 1954)
(Let us improve the quality of machine production.)

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSION, (EEAL), LC, VOL. 4, NO. 9,
Sept. 1955, Uncl.

PROKOPIEV, N.

Organizati n and Payment of Labor (Wages) of Multiple Apparatus Operation(
(Servicing) Multiple Machine Operation. The Bulgarian Heavy Industry, 5:19;May 55

PROKOPIEV, N.

The public review respecting the organization of production and labor, and the normalization of labor wages is successfully terminated. Khim i industriia 34 no. 1: 33-35 '64.

1. Glaven spetsialist v Komiteta po khimii i metalurgii.

PROKOPIEV, N.

GEORGIEV, A.

The way We Conducted Investigations into Technical Standardization of
Interrupted Apparatus Processes

TEZHKA PROM SHLENOST (Heavy Industry) Issue #11; 47; November 1955

PROKOPIEV, N.

Organization and payment for work in servicing several machines. p. 18.

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

Br Abs.

51-4 61958

Experiments to determine the thermal stability of a siphon brick.
A. A. Prokopenko (*Uganspory*, 1947, 12, 129; *Brit. Ceram. Abs.*,
1948, [65A]).—Various ceramic compositions for the construction of
siphon bricks were examined to determine their thermal stability
and porosity. A composition containing kaolin had the greatest
stability but low porosity; one containing "Dubrovka" clay had
a lower stability but the same porosity. R. B. CLARKE.

ACC NR: AP7002865

SOURCE CODE: UR/0149/66/000/006/0134/0138

AUTHORS: Prokopinskaya, S. G.; Panchenko, Ye. V.; Strug, Ye. M.

ORG: Moscow Institute of Steel and Alloys. Department of Metallography (Moskovskiy institut stali i splavov. Kafedra metallografii)

TITLE: Aging process kinetics in copper alloys with titanium and aluminum additives

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 6, 1966, 134-138

TOPIC TAGS: copper base alloy, aluminum containing alloy, titanium containing alloy, metal aging, solid kinetics, aluminum, copper, metal heat treatment/AV000 aluminum, M-1 copper

ABSTRACT: Kinetics of copper alloys containing 1.5% Ti (I), 4.3% Ti (II), and 1.5% Ti + 2% Al (III) was studied by analyzing the curves of hardness, the microhardness, and specific electrical resistivity after aging the specimens from 0.25 to 8 hours at 350, 400, and 450C. The alloys were smelted in a high-frequency furnace under cryolite. The charge consisted of Cu-Ti alloy (14.2% Ti), Al AV000, and Cu M-1. After forging at 800-900C and cold rolling into sheets 1 mm thick, the alloys were quenched from 920C in water, and then aged. The aging temperature range was selected to avoid the slow process at low temperatures and overaging at high temperatures. It was established that aging of III results in less hardness than in the case of I

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UDC: 669.018.2

ACC NR: AP7002865

or II. To obtain maximal microhardness the optimal temperature is 400C. The data are summarized graphically. It was found that the breakdown of the supersaturated solid solution begins in the boundary zones of the grains. With increased temperatures and aging time, the breakdown spreads through the whole granular system. Orig. art. has: 5 figures and 1 table.

SUB CODE: 11/

SUBM DATE: 16Nov65/

ORIG REF: 003/

OTH REF: 003

Card 2/2

L 37651-66 EWT(m)/T/EWP(w)/EWP(t)/ETI IJP(c) JH/JD
ACC NR: AP6016336 (N) SOURCE CODE: UR/0149/65/000/006/0126/0127

AUTHORS: Strug, Ye. M. (Member of metallography dept); Panchenko, Ye. V. (Member of metallography dept); Prokopinskaya, S. G. (Member of metallography dept)

ORG: Moscow Institute of Steel and Alloys. Department of Metallography (Moskovskiy institut stali i splavov. Kafedra metallografii) 33
32

TITLE: Study of the aging process in Cu-Al-Ti alloys B

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 6, 1965, 126-127

TOPIC TAGS: copper base alloy, copper film, metal aging, metal heat treatment, titanium containing alloy, aluminum containing alloy

ABSTRACT: The effect of aluminum on the aging process of copper alloys containing 1.5% Ti and from 0 to 4% Al has been studied. The alloys were smelted in a high-frequency furnace, and the ingots were forged at 800--900C and rolled into plates 1 mm thick. Tempering was conducted by quenching from 920C in water, followed by aging from 15 min to 30 hours at 350, 400, and 450C. The experimental results are shown in Fig. 1. Addition of 2% Al facilitates the aging process. Higher Al content slows it down. These results are contrary to those reported by U. Zwicker (Metall, v.11, No.1, 1957; Z. Metallkunde, 53, 11, 1962), while the behavior of the alloys on varying the electrical resistance conforms to findings of Ye. G. Nesterenko and N. V.

UDC: 669.35

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L 37651-66

ACC NR: AP6016336

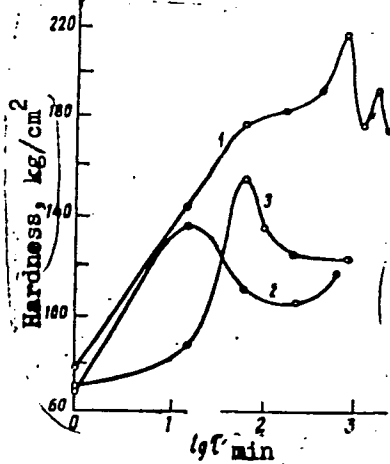


Fig. 1. Hardness of alloys containing 1.5% Ti + 98.5% Cu (1), 1.5% Ti + 2% Al + 96.5% Cu (2), 1.5% Ti + 4% Al + 93.5% Cu (3) as a function of aging time at 450°C.

Chvistov (Fizika metallov i metallovedeniye, t. 9, v. 3, 1960; t.12, v.5, 1961).
Orig. art. has: 1 figure.

SUB CODE: 07/

SUBM DATE: 01Jul64/

ORIG REF: 003/

OTH REF: 001

Card 2/2

PROKOPISHIN, M.V., assistant (Stanislav (obl.), ul. Pervomayskaya, d.5, kv.5)

Incidence of endarteritis obliterans in Stanislav Province. Klin.
khir. no.10:49-52 0 '62. (MIRA 16:7)

1. Kafedra gospital'noy khirurgii (zav.--prof. S.A. Verkh ratskiy)
Stanislavskogo meditsinskogo instituta.
(STANISLAV PROVINCE—ARTERIES—DISEASES)

PROKOPISHIN, V.I. [Prokopishyn, V.I.]

Work of the Cherkassy Pharmacy Administration under new conditions.
Farmatsev.zhur. 17 no.4:50-52 '62. (MIRA 16:8)

1. Aptekoupravleniye Cherkasskogo oblastnogo otdela zdravookhra-
neniya.

(CHERKASSY PROVINCE—PHARMACY)

PROKOPISHIN, V.I. [Prokopishyn, V.I.]

We are improving pharmaceutical services for the population. Farmatsev.
zhur. 16 no.6:61-63 '61. (MIRA 15:5)

1. Apteknoye upravleniye Cherkasskogo oblastnogo otdela zdravookhraneniya.
(CHERKASSY PROVINCE—DRUGSTORES)

PROKOPIV, V. M.

Activity of nonspecific antihyaluronidase in the blood of
children with toxic dyspepsia. *Pediatrics* no.4:24-28 '62.
(MIRA 15:4)

1. Iz detskogo otdeleniya (zav. - prof. S. I. Ignatov) L'vovskoy
oblastnoy klinicheskoy bol'nitsy (glavnyy vrach N. I. Besedin)

(ANTIHYALURONIDASE) (DYSPEPSIA)

PROKOPIJEVIC, Jovisa, inz.

Some current problems in the field of scientific reasearch,
and especially in transportation. Zeleznice Jug 19 no. 2:
1-12 F '63.

PROKOPLJEVIC, N.

Yugoslavia (430)

Agriculture-Plant and Animal Industry

An analysis of the cost of wood production. p. 245. SUMARSKI LIST. Vol. 75,
no. 7, July 1951.

East European Accessions List. Library of Congress, Vol. 2, no. 3, March 1953.
UNCLASSIFIED.

FRANCIS, M.

"A reference to the article "Disarmament East by the Soviet Union." p. 111
(DISARMAMENT LIST, Vol. 28, no. 10/11, Oct./Nov. 1958, Zagreb, Yugoslavia)

CC: Monthly List of East European Accessions, Vol. 2, #3, Library of Congress
August, 1959, Encl.

PRCKOPLJEVIC, N.

"Further details on differential site rents in forestry. (P. 278) Vol. 77, no. 6, June 1953.

SO: East European Accessions List, Vol 3, No 3, Aug 1954

PROKOPOVA, H

¹⁰
 The transmissivity of arsenic glass in the 15 μ to 25 μ
 range. H. Prokopová and A. Vaško (Research Inst. Op-
 tics Fine Mechanics, Prague). *Czechoslov. J. Phys.* 9, 270
 (1959)(in English).--The transmissivity measurements
 were exaind. to 25 μ ; a max. was found at 17.18 μ (582
 cm.⁻¹) with 2 adjacent absorption regions, and about 55%
 transmissivity from about 5 to 12.5 μ . A. Kremheller

TA
VI

4
4E2C (j)

JJ

PROKOPEC, Miroslav

Growth of Prague children from birth to 18 months of age in comparison with children of some foreign large cities. Cesk. pediat. 15 no.5:427-435 My '60.

1. Ustav hygieny v Praze 12, ved. odd. doc. MUDr. F. Janda, reditel doc. MUDr. K. Symon, ved. ukolu MUDr. V. Kaplan.
(GROWTH)

GIZKOVA-PISAROVICOVA, J., Prof.; PROKOPEC, M. Dr. Sc.; VANECKOVA, M.

Contribution to the physiology and pathology of menstrual bleeding
in young girls. *Cesk. gyn.* 25[39] no.1/2:52-62 Mr '60.

1. Detska klinika, prednosta prof. dr. J. Gizkova-Pisarovicova, odd.
hyg. deti a dorostu, prednosta doc. dr. Fr. Janda, LFHKU v Praze 12
a Ustav hygieny, prednosta doc. dr. K. Symon.

(MENSTRUATION)

(PUBERTY)

PROKOFIV, Pykhaylo

[The Ukraine after 56 years; recollections of travels]
Po 56 rokakh na Ukraini; spohady z podorozhi. New York,
1964. 64 p. (MIRA 18:7)

ПРОКЦОВ, А.; КИМОВ, Г., инж.

We are preserving forest resources. Grazhd.av. 15 no.10:38
0 '58. (MIRA 11:11)
(Aeronautics in forestry)

SOV/84-58-10-47/54

AUTHORS: ~~Prokopov, A.~~ Unit Commander; Kimov, G., Sr Engineer

TITLE: We Are Preserving Our Forests (Berezhem lesnyye bogatstva)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 10, p. 38 (USSR)

ABSTRACT: The authors describe the technique used in aerial pest control and applied in the forested and mountainous areas of the Crimea. Since the forest preservation measures were begun in 1949, the serviced area increased from 1879 ha to 23,436 ha. Dusting is done at the rate of 200 ha per hour from an An-2 plane (which exceeds the plan), and pest control became 95 - 99% effective. There are 2 photographs.

Card 1/1

PROKOPOV, G.P. (Moskva)

Alternating direction method for Cauchy--Riemann's system
of equations. Zhur. vych. mat. i mat. fiz. 4 no.5. 930-
934 S-O '64. (MIRA 17:12)

GODUNOV, S.K. (Moskva); ZABRODIN, A.V. (Moskva); PROKOPOV, G.P. (Moskva)

Difference formula for two-dimensional nonstationary
problems of gas dynamics and the computation of the flow
of a branching shock wave. Zhur. vych. mat. i mat. fiz. 1
no.6:1020-1050 N-D '61. (MIRA 16:7)

L 8751-65 EWT(a) Pg-4 IJP(c)

ACCESSION NR: AP4045716

S/0208/64/004/005/0930/0934

AUTHOR: Prokopov, G. P. (Moscow) B

TITLE: Alternating direction method for the system of Cauchy-Riemann equations

SOURCE: Zhurnal vy*chislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 5, 1964, 930-934

TOPIC TAGS: alternating direction method, Cauchy Riemann equation, elliptic system, iterative method, iterative process stability, iterative process convergence, Hilbert problem

ABSTRACT: The applicability of the alternating direction method to the solution of a system of elliptic equations is studied by taking as the simplest example the Hilbert problem which consists in determining functions $u(x, y)$ and $v(x, y)$ which satisfy the Cauchy-Riemann equations and boundary conditions:

$$\alpha(s)u + \beta(s)v = f(s) \quad (\alpha^2 + \beta^2 \neq 0).$$

A finite-difference scheme is presented for the approximation of
Card 1/2

L 8741-65

ACCESSION NR: AP4045716

Cauchy-Riemann equations. For the solution of the finite-difference equations, an iterative process is proposed consisting of a simultaneously alternating direction of iteration with respect to x and y . The Fourier method is used to study the stability of the proposed iterative process. The sufficient stability conditions are established. The problem of choosing the relaxation parameters to increase the rate of convergence of an iterative process is analyzed. It is shown that for every harmonic (p, q) the value of the parameters can be determined for which the iterative process is convergent. The procedure described is applied to the solution of Cauchy-Riemann equations on the semicircle $0 \leq r \leq 1, 0 \leq \varphi \leq \pi$. The calculated results indicate that in the case of the Hilbert problem with the index zero, the method of alternating directions ensures the fast convergence of the iterative process. Orig. art. has: 16 formulas.

ASSOCIATION: none

SUBMITTED: 25Sep63

ATD PRESS: 3108

ENCL: 00

SUB CODE: MA

NO REF SOV: 004

OTHER: 001

Card 2/2

10.1410

31108

S/208/61/001/006/005/013
B112/B138

AUTHORS: Godunov, S. K., Zabrodin, A. V., Prokopov, G. P. (Moscow)

TITLE: Difference scheme for two-dimensional non-stationary problems of gas dynamics and calculation of a flow with a shock wave that runs backward

PERIODICAL: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 1, no. 6, 1961, 1020-1050

TEXT: In this paper, the authors continue investigations of difference schemes for non-stationary problems of gas dynamics (cf. S. K. Godunov.

X

Matem. sb., 1959, 47, no. 3, 271-306). In order to solve the system

$$\begin{aligned} \iint \rho dx dy + \rho u dy dt + \rho v dx dt &= 0, \\ \iint \rho u dx dy + (p + \rho u^2) dy dt + \rho uv dx dt &= 0, \\ \iint \rho v dx dy + \rho uv dy dt + (p + \rho v^2) dx dt &= 0, \end{aligned} \tag{2.2}$$

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31102

S/208/61/001/006/005/013
B112/B138

Difference scheme for two-dimensional...

$$\iint \rho \left(e + \frac{u^2 + v^2}{2} \right) dx dy + \rho u \left(e + \frac{p}{\rho} + \frac{u^2 + v^2}{2} \right) dy dt + \rho v \left(e + \frac{p}{\rho} + \frac{u^2 + v^2}{2} \right) dx dt = 0 \quad (2.2),$$

X

the authors use the following difference scheme

$n-3/2,$ $m+3/2$	$n-1/2,$ $m+3/2$	$n+1/2,$ $m+3/2$	$n+3/2,$ $m+3/2$	$n+5/2,$ $m+3/2$	\uparrow h_y \downarrow
$n-3/2,$ $m+1/2$	$n-1/2,$ $m+1/2$	$n+1/2,$ $m+1/2$	$n+3/2,$ $m+1/2$	$n+5/2,$ $m+1/2$	\uparrow h_y \downarrow
$n-3/2,$ $m-1/2$	$n-1/2,$ $m-1/2$	$n+1/2,$ $m-1/2$	$n+3/2,$ $m-1/2$	$n+5/2,$ $m-1/2$	\uparrow h_y \downarrow
$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	

Card 2/3

31108

Difference scheme for two-dimensional...

S/208/61/001/006/005/013
B112/B138

Discontinuity disintegration is calculated using the scheme

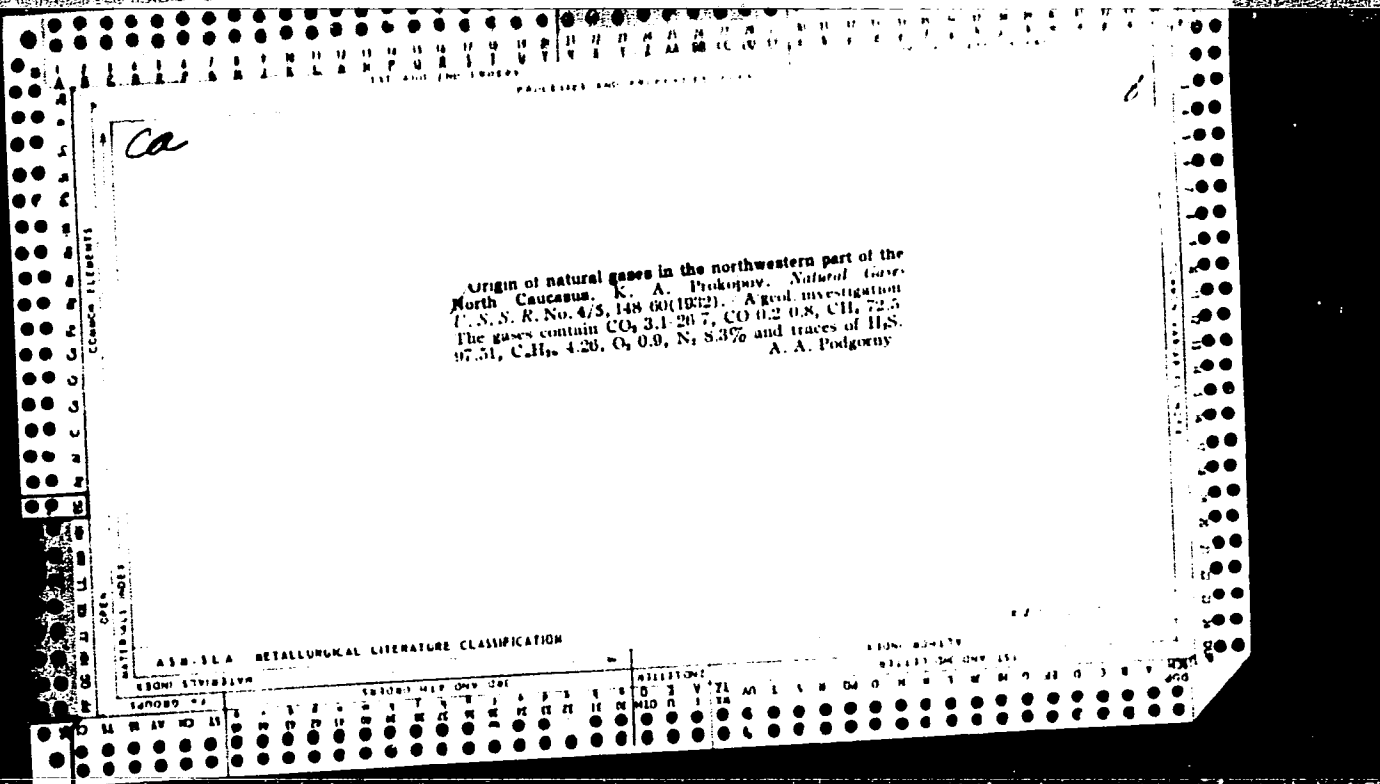
$$\begin{aligned}
 a_n = b_n &= \sqrt{\gamma \frac{p_{n-1/2} + p_{n+1/2}}{2} \frac{p_{n-1/2} + p_{n+1/2}}{2}}, \\
 p_{n.p.} &= \frac{p_{n+1/2} + p_{n-1/2}}{2} + a_n \frac{u_{n+1/2} - u_{n-1/2}}{2}, \\
 u_{n.p.} &= \frac{u_{n+1/2} + u_{n-1/2}}{2} + \frac{p_{n+1/2} - p_{n-1/2}}{2a_n}.
 \end{aligned}
 \tag{3.3}$$

It is based on the formula $p = (\gamma - 1)\rho e$. The stability condition of the scheme is derived. In the latter part of the article, the authors use nets which are moved in accordance with the flow. Cases of axial symmetry, in particular that of a sphere, are considered.

I. G. Petrovskiy, O. M. Belotserkovskiy (Prikl. matem. i mekhan., 1960, 24, no. 3, 511-517), and A. A. Dorodnitsin are mentioned. I. M. Gel'fand, K. A. Bagrinovskiy, G. N. Novozhilov, V. V. Lutsikovich, and K. A. Semendayev are thanked for assistance. There are 15 figures and 3 Soviet references.

SUBMITTED: May 7, 1961

Card 3/3



BELINSKIY, S.B.; PROKOPOV, I.F.

Using pyrite cinder in the dry method of removing hydrogen sulfide from gas. Koks i khim. no.1:54-56 '59.

(MIRA 12:1)

1. Novo-Lipetskiy metallurgicheskiy zavod (for Belinskiy).
2. Kaliningradskiy koksogazovyy zavod (for Prokopov).
(Gas purification) (Hydrogen sulfide)

SOV/68-59-1-15/26

AUTHORS: Belinskiy, S.B. and Prokopov, I.F.

TITLE: The Use of Spent Pyrites for Dry Cleaning of Gas from Hydrogen Sulphide (Primeneniye ogarka dlya sukhoy ochistki gaza ot serovodoroda)

PERIODICAL: Koks i Khimiya, 1959, Nr 1, pp 54 - 56 (USSR)

ABSTRACT: The use of spent pyrites instead of bog ore for cleaning of coke-oven gas from hydrogen sulphide was investigated. In view of satisfactory results (see table) the method was adopted on the Kaliningrad Coking Works. The method of preparation of the absorption mixture is as follows: spent pyrites are mixed with sawdust in a proportion of 1:3 by volume and an addition of 0.5% by weight of powdered hydrated lime is made. Then the mass is screened on mechanical screens which removes large pieces of spent pyrites and sawdust and mixes the components. Bulk density of the mass 0.5 - 0.6 t/m³. When charging into boxes the mass is wetted with water to a moisture content of 30-45%. During operation, humidity is maintained by the introduction of steam into the gas stream. Pressure drop of the freshly prepared purification mass amounts to 30-35 mm H₂O per box. Optimum absorption temperature 26 - 30 °C. During 10 months of operation

card1/2

The Use of Spent Pyrites for Dry Cleaning of Gas from Hydrogen Sulphide

SOV/68-59-1-15/26

the mass absorbed sulphur in an amount of 61% of its own weight and continued to absorb hydrogen sulphite to 68-70% of its content of the gas. It is concluded that the use of spent pyrites is more economical than bog ore and is recommended even in cases when they must be imported from other regions. There are 2 figures and 1 table.

ASSOCIATIONS: Novo-Lipetskiy metallurgicheskiy zavod (Novo-Lipetskiy Metallurgical Works) and Kaliningradskiy koksogazovyy zavod (Kaliningrad Coking Works)

Card 2/2

PROKOFOV, I.P.

Some data on the observation of Aujeszky's disease in swine. Veterinaria
41 no.12:35-36 D '64. (MIRA 18:9)

PROKOPOV, I.P.

Swine influenza control. Veterinaria 39 no.11:44-46 R '62.
(MIRA 16:10)

ZAYDEL', L.; YERSHOV, B.A., assistant; DEDKOV, S., starshiy inzh.;
BOGDANOV, (g.Krasnoyarsk); MAKKOVEYEV (g.Krasnoyarsk); PUZANOV
(g.Krasnoyarsk); MATORIN, I.; PROKOPOV, I.T. (g.Vinnitsa)

Continuing the discussion on centralized preparation of technical
specifications. Mashinostroitel' no.8:38-39 Ag '62.
(MIRA 15:8)

1. Nachal'nik otdela modernizatsii Kuybyshevskogo instituta
NIPTIMASH (for Zaydel'). 2. Severozapadnyy zaochnyy politekhnicheskiy
institut (for Yershov). 3. Upravleniya glavnogo mekhanika i
energetika Vserossiyskogo soveta narodnogo khozyaystva (for
Dedkov). 4. Nachal'nik konstruktorskogo byuro otdela glavnogo
mekhanika zavoda "Gomsel'mash" (for Matorin).
(Machinery--Specifications)

CA 30

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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROCESSES AND PROPERTIES INDEX

1ST AND 2ND ORDERS 100 AND 1TH ORDERS

Cement Elements

INTERNALLY INDEXED

1100-112000000000

Porous rubber K. E. Prokopov and N. A. Chesnokov. Russ. 39,84, Oct. 31, 1964. In the rubber is incorporated, in addn. to the usual ingredients, finely disintegrated carbon obtained from sunflower husks which has been heated to incandescence to remove volatile hydrocarbons and then satd. with CO₂.

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

RECORD SYMBOLS

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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROKOPOV, Leonid Dmitriyevich; FILIN, A.G., red.; NIKOLAYEVA, L.N.,
tekhn. red.

[Repair of pneumatic and vacuum windshield wipers] Remont pne-
matischeskikh i vakuumnykh stekloochistitelei. Moskva, Nauchno-
tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog
RSFSR, 1961. 60 p. (MIRA 14:7)
(Automobiles—Equipment and supplies)

PROKOPOV, N. (g.Uzhgorod)

Student's desk combination. Prom. koop. 12 no.8:16 Ag '58.
(MIRA 11:9)

1.Predsedatel' pravleniya arteli "Peremoga."
(Desks)

L 8160-66 EWT(m)/T-2/EWP(f)

ACC NR: AP5025066

SOURCE CODE: UR/0286/65/000/016/0116/0117

AUTHORS: Kubata, M. K.; Podol'nyy, A. I.; Bursakov, A. V.; Usatanka, Y. G.;
Royenko, V. I.; Prokopov, N. I.

ORG: none

TITLE: Cyclone air cleaner for internal combustion engines. Class 46, No. 174040

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 116-117

TOPIC TAGS: internal combustion engine, air cleaner

ABSTRACT: This Author Certificate presents a cyclone air cleaner for internal combustion engines as per Author Certificate No. 125974. The cleaner contains both cyclones and contact type air cleaning elements. To improve the air cleaning and dirt capacity of the unit (see Fig. 1) a reflector is placed between the cyclone exits and the air cleaning elements.

Card 1/3

UDC: 621.43.03

PROKOPOV, P. YE.

29137 Ispol'zovanie Trakvyanogo plasta V sevooborote, Izvestiya Akad. Nauk
BSSR, 1949, No. 4, S. 87-110-Bibliogr: 39 Nazv.

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskov, 1949

PROKOPOV P.

P. PROKOPOV

"The gathering and buying of cotton is an important Party and government problem.
p. 11. (KOOPERATIVNO ZEMEDELIE, Vol. 7, no. 6, Oct. 1952, Sofiya, Bulgaria.)

SO: Monthly List of East European Accessions, Vol. 2 No. 7, July 1953, Uncl.

USSR/Cultivated Plants.- General Problems

M-1

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1412

Author : P. Ye. Prokopov

Inst : Not Given

Title : Utilization of the Grass Layer in Field Crop Rotations.

Orig Pub : Sb. nauch. tr., Inst. sos. s. Kh. AN BSSR, 1956, issue 4,
3-23

Abstract : On tenacious turfpodzolic soils the distribution of flax on the grassy layer - and in case of the grains, that of barley and winter crop rye - has achieved the best results. The best forerunners for allocating crop rotation in the second field of winter rye are the grass layer and its rotation which is utilized for sowing flax and grains. Allotting winter rye as the third crop in rotation after grasses when not using the rotated grass stratum for vetch-oat mixture and winter rye, shows relatively low crop yields. For summer wheat in field crop rotations, the distribution after potatoes, fertilized with organic fertilizers, or after a two-year crop rotation of the grassy stratum, utilized for the crops of flax, is recom-

Card : 1/2

USSR/Cultivated Plants - General Problems

M-1

Abg Jour : Ref Zhur - Biol., No 1, 1958, No 1412

mended. For crop cultivations of flax and grains, the addition of mineral fertilizers, especially fo the phosphate-potash type, is indispensable.

Card : 2/2

PROKOPOV, P.Ye.

Grasses in field crop rotations of the White Russian S.S.R.
Zemledelie 4 no.7:49-55 J1 '56. (MIRA 9:9)
(White Russia--Rotation of crops) (Grasses)

Прокоров, П. Ye.

USSR/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91593

Author : Prokopov, P.Ye.

Inst : Belorussian Scientific Research Institute for Agriculture

Title : The Allocation of Grain Crops and Flax in Full Grass
Field Crop Rotation.

Orig Pub : Byul. Nauchno-Tekhn. inform. Belorussk. n.-i. in-t Zemel.
1957, No 1, 3-6.

Abstract : The harvest of annual crops depends on the order of their
rotation after the plowing of the grass bed (1951-1954
tests at the experimental base of Ust'ye). Winter rye and
wheat, barley and flax were sown on the grass bed. The
sowing of barley and winter rye gave the highest yield.
Good results were obtained by putting the second winter
rye field in field crop-rotation with the grass layer

Card 1/2

USSR/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91593

turned and using this for flax and spring grain crops.
A layer used only once in the year which produces a rich
grass harvest is a good preceding crop for flax. Winter
wheat on black fallow gave a higher yield than on a grass
bed. -- G.F. Kayko.

Card 2/2

- 13 -

USSR, Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53668

Author : Prokopov, P.Ye.

Inst : AS USSR

Title : Study of Preceding Crops for Corn in Field Crop Rotations
in Turf-Podzolic Soils.

Orig Pub : Kukuruz v BSSR, Minsk, AN SSSR, 1957, 147-152

Abstract : The best crops to precede corn in field crop rotation at the "Ust'ye" Experimental Station in 1955 were the following: potatoes manured with organic fertilizers - the yield of corn green stuff was 262-354 centners per hectare; a grass layer used for two years - the yield of corn green stuff was 206 centners/ha and the return from the grass layer used for spring crops was 268.2 centners/ha of the green bulk. Winter rye sown over non-

Card 1/2

USSR/Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53668

fallow preceding crops without organic manuring, proved to be a less valuable predecessor even when fertilizers for the corn were used. The direct spring application of fertilizers under corn, sown after the winter rye, proved to be less effective than their after-action when applied under potatoes. -- M.A. Novoderzhkina

Card 2/2

- 64 -

PROKOPOV, Patr. Yafimovich; CHIZHEVSKIY, M.G., prof., otv.red.;
TORKAYLO, I., red.; KALECHITS, G., tekhn.red.

[Technical principles of crop rotations on turf-Podzolic
soils of the White Russian S.S.R.] Agrotekhnicheskie osnovy
polevykh sevooborotov na dernovo-podzolistykh pochvakh BSSR.
Minsk, Gos.izd-vo BSSR. Red.sel'khoz.lit-ry, 1959. 325 p.
(MIRA 14:2)

1. Chlen-korrespondent AN BSSR (for Chizhevskiy).
(White Russia--Rotation of crops)

BESMAN, Ignatij Ivanovich; ZENIN, Sergey Mikhaylovich; PROKOPOV, P.Ye.,
red.; RABINOVICH, A., red.; KALECHITS, G., tekhn. red.

[Experience in mastering crop rotation in the Stalin Collective
Farm] Opyt osvoeniia sevcoborotov v kolkhoze imeni Stalina
(Dzerzhinskii raion, Minskoi oblasti). Minsk, Gos.izd-vo BSSR.
Red. sel'khoz. lit-ry, 1960. 50 p. (MIRA 14:12)

1. Chlen-korrespondent Akademii nauk BSSR (for Prokopova).
(Dzerzhinsk District (Minsk Province))—Rotation of crops)

SHEMPEL', V.I., glav. red.; PROKOPOV, P.Ye., red.; STRELKOV,
I.G., red.; RUBANOV, V.S., red.; LAZARCHIK, K., red.;
LESHCHILOVSKIY, P., red.

[Methods for improving the fertility of turf-Podzolic
soils, ~~Prilozheniye~~ povysheniia plodorodiia dernovo-podzolistykh
pochv; sbornik nauchnykh trudov. Minsk, Urozhai, 1965.
217 p. (MIRA 18:7)

1. Belorusskiy nauchno-issledovatel'skiy institut zemle-
deliya.

PROKOPOV, P.Ye.

Green fallows in White Russia. Zemledelie 27 no.4:6-17 An '65.
(MIRA 18:4)

1. Chlen-korrespondent AN BSSR.

PROKOPOV, P.Ye. [Prakopau, P.IA.]; IVANOV, D.P.

Scientific activity of the academicians and corresponding members of the Department of Agricultural Sciences of the Academy of Sciences of the White Russian S.S.R. for 1961. Vestsi AN BSSR.Ser. bial.nav. no.2:133-139 '62. (MIRA 15:8)

1. Chlen-korrespondent AN BSSR (for Prokopov).
(WHITE RUSSIA--AGRICULTURAL RESEARCH)

L 26476-66 EWP(m)/EWT(l)/EWA(d)/EWA(l) OS

ACC NR: AT6008139

UR/0000/65/000/0000/0007/0017 ✓

AUTHOR: Dyban, Ye.P. (Candidate of technical sciences); Prokopov, V.G.; Stradomskiy, M.V.; Shvets, I.T. (Academician AN UkrSSR)

ORG: None;

TITLE: Problems of hydraulic resistance of air flow through porous media

SOURCE: AN UkrSSR. Tcheniya zhidkostey i gazov (Flows of liquids and gases). Kiev, Naukova dumka, 1965, 7-17

TOPIC TAGS: porous metal, gas flow, hydraulic resistance, differential equation, porosity, gas viscosity, flow meter, metal powder, Reynolds number/RS-100 flow meter

ABSTRACT: This work is an experimental investigation of the air flow through porous media. The study is aimed at the determination of flow and hydraulic resistance coefficients, and their dependence upon the state of flow and the geometrical characteristics of the porous structure. A theory of similitude approach, considering the two basic physical factors, - viscosity and inertia - leads to the differential equation

$$dp/dL = \alpha \cdot \mu \cdot v + \beta \cdot \rho \cdot v^2 \quad (1)$$

suitable transformations and integration of (1) over the porous sample thickness gives:

$$y = \alpha \cdot \mu \cdot + \beta \cdot G_f / B \quad (2)$$

where μ, ρ - dynamic viscosity & density of the gas and:

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B+1

2

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ACC NR: AT6008139

5

$$\gamma = \gamma_{av} \cdot p / (L \cdot G_f)$$

(3). In the above expressions: $p = P_1 - P_2$ - pres-

sure fall across sample; γ_{av} - average specific density of gas; g - gravity constant; $G_f = \gamma \cdot v$ - filtration weight flow; v - velocity of gas; α, β - coefficients of viscosity and of inertia. The experimental apparatus consisted of a clean and dry regulated air supply with provisions for temperature, pressure and flow measurement. Low rates of gas flow were measured by two GKF-6 gas meters and a rheometer in series; high rates - by double diaphragms and a RS-100 flow meter. Experimental samples were disks of steel powder, 5 mm thick and 50 mm dia. with porosities of 20.5, 37, 42.5 & 55.75%. All samples had particles of the same shape and granulometric distribution. The experiments confirmed the theoretical expressions. For the experimental coefficients α & β the following expressions were derived as functions of the porosity P :

$$\alpha = 7.22 P^{-3.81} \cdot 10^{17} \text{ (m}^{-2}\text{)} \quad (4)$$

$$\beta = 1.26 P^{6.35} \cdot 10^{13} \text{ (m}^{-1}\text{)} \quad (5)$$

The porous medium friction coefficient, λ , is shown to be representable by

$$\lambda = 2 - 2/Re \quad (6) \quad \text{where } Re \text{ is the Reynold's number.}$$

Directions for further research are recommended. Orig. art. has: 5 figures, 12 formulas.

SUB CODE: 20,11/

SUBM DATE: 15May64 /

ORIG REF: 001 /

OTH REF: 002

Card 2/2

PB

GRISHKO, Vladimir Viktorovich, st. inzh.; PROKOPOV, Vasily Ivanovich; PERFILOV, I.P., inzh.; TET.

[Device for preparing reed slabs with the PKN-v vertical press; from practices of the Krasnodar Branch of the Rural Construction Research Institute] Ustanovka dlia izgotovleniia kamyshitovykh plit s vertikal'nym pressom PKN-v; iz opyta Krasnodarskogo filiala NIISel'stvoia. Moskva, Gosstroizdat, 1963. 12 p. (MIRA 17:9)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stva.
2. Konstruktor'skiy byuro Krasnodarskogo filiala Nauchno-issledovatel'skogo instituta sel'skogo stroitel'stva (for Grishko).
3. Matematika proizvodstva Nauchno-eksperimental'noy bazy Krasnodarskogo filiala Nauchno-issledovatel'skogo instituta sel'skogo stroitel'stva (for Prokopov).

PROKOPOV, V.K.

Designing flanged joints. Trudy LPI no.235:41-48 '64.
(MIRA 17:11)

PROKOPOV, V.K.

Deformation of a circular plate with three rigid supports
under the action of concentrated forces. Trudy LPI 252:
107-113 '65. (MIRA 18:9)

PROKOPOV, V.K. (Leningrad)

P.F. Fapkovich's general orthogonality relation for a
rectangular plate. Prikl. mat. i mekh. 28 no.2:351-355
Mr-Ap'64. (MIRA 17:5)

GRIGOR'YEV, Nikita Vasil'yevich; PROKOPOV, V.K., kand. tekhn. nauk, retsen-
zent; DOKUCHAYEV, A.N., kand. tekhn. nauk, red.; SIMONOVSKIY, N.Z.,
red. izd-va; PETERSON, M.M., tekhn. red.

[Nonlinear vibrations of elements of machinery and structures] Ne-
lineinye kolebaniia elementov mashin i sooruzhenii. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 254 p.

(MIRA 14:8)

(Turbomachines--Vibration)

BARGER, I.B. ; PROKOPOV, V.K.

Balancing of flexible shafts. Trudy LPI no.210:97-103 '60.

(MIRA 13:11)

(Balancing of machinery)

16.7300

S/124/61/000/003/023/028
A005/A105

AUTHOR: Prokopov, V. K.

TITLE: On the problem of the restrained torsion of a prismatic rod

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1961, 5, abstract 3V29
(Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1959, no.8,
62-68)

TEXT: The author considers a rod of arbitrary cross section in case that one of its cross sections is forcibly plane. It is presumed that the problem of free torsion of the rod is solved. For normal restraint stresses, the exponential law is assumed. The functions entering into the expression of the stress function are determined from the conditions on the outline of the rod cross section which correspond to the statical boundary conditions on the lateral surface. The special cases of elliptic and rectangular sections are considered. The latter case with large aspect ratio of section leads to the formula obtained by S. P. Timoshenko. ✓

V. Mar'yin

[Abstractor's note: Complete translation]

Card 1/1

PROKOPENKO, F.

Conference of active workers in sanitation. Zdrav. Belor. 5 no.10:76
0 '59. (MIRA 13:2)

(BARANOVICHI DISTRICT--SANITATION WORKERS)

PROKOPENKO, L.K.

Estimating the fatigue strength of locomotive springs. Trudy
MIT no.110:151-180 '59. (MIRA 13:4)
(Metals--Fatigue) (Locomotives--Springs)

RIMAR, V.A. [Rymar, V.A.]; RIKKINWA, H.T.

Moven locking fastener. V.A. Rymar, H.T. RIKKINWA, Inzh. ...
no. 2x40-42 Ap-De'64 (1964)

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 koksokhimiicheskiy 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)

82400


S/056/60/038/03/04/033
BC06/EO14

24.6600

AUTHORS: Nemets, O. F., Prokopets, G. A.

TITLE: Inelastic Scattering¹⁹ of Protons and Deuterons by Mg²⁴/9

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960,
Vol. 38, No. 3, pp. 693-696

TEXT: As confirmed by investigations of inelastic proton scattering by Mg²⁴ (Refs. 8-10), the formation of compound nuclei also plays an important part in addition to direct interaction in the energy range 7.3 - 18 Mev. Experiments at 7.5, 8.9, and 15 Mev showed (Refs. 11-13) that direct interaction predominates. Little attention is drawn by previous authors to the ranges of small angles; however, just these small angles make important contributions (Ref. 13). For this reason, the authors of the article under consideration carried out a detailed investigation of the angular distribution with special regard to small angles. The investigations were performed on the cyclotron of the Institut fiziki AN USSR (Institute of Physics, AS UkrSSR). An ionization chamber served as spectrometer. The experimental setup is 

Card 1/3

82406

Inelastic Scattering of Protons and Deuterons
by Mg^{24}

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B006/B014

schematically shown in Fig. 1. The statistical errors amounted to 15 per cent for large angles and to about 25 per cent for small ones. At angles smaller than 12.5° in the case of deuterons and smaller than 15° in the case of protons the results are qualitative in nature on account of the background. A free magnesium foil (thickness: 1.4 mg/cm^2) served as target. Fig. 2 shows the angular distribution of inelastically scattered deuterons (13.6 Mev), and for comparison, an experimental (Ref. 13, curve 4) and two theoretical distribution curves (Refs. 2,6; curves 2,3). The peak at 20° is in agreement with the theory established by Mamasakhlisov and Kopaleyshvili (Ref. 3). The angular distribution was studied in the range $2.5 - 140^\circ$; a comparison between experiment and theory reveals that in inelastic scattering the 1.37-Mev level (2^+) of the Mg^{24} is excited (direct interaction). Fig. 3 demonstrates the angular distribution of 6.8-Mev protons inelastically scattered by Mg^{24} ; for a comparison, see a theoretical curve (2) for direct interaction with the surfaces ($2.2 P_0 + P_7$) and a theoretical curve (3) for electric interaction with the surface ($l = 2, a = 24.7 \cdot 10^{-13} \text{ cm}$), and experimental data (curve 4, Ref. 8). The results are not in good agreement ✓

Card 2/3

Inelastic Scattering of Protons and Deuterons
by Mg²⁴

82406

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B006/B014

with theory. The results obtained for small values seem to indicate an unknown interaction mechanism; however, the results are qualitative in nature in the small-angle region. A comparison with theory discloses that the direct interaction is the most essential one. In conclusion, the authors thank M. V. Pasechnik for his interest in the experiments, and Yu. A. Bin'kovskiy for preparing the target. There are 3 figures and 15 references, 4 of which are Soviet.

ASSOCIATION: Institut fiziki Akademii nauk USSR (Physics Institute of the Academy of Sciences, UkrSSR) X

SUBMITTED: August 22, 1959

Card 3/3

PROKOPOVA, E.; MUNK, P.

Behavior of macromolecules in solution. Pt. 3. Coll Cz Chem
28 no.4:950-956 Ap '63.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy
of Sciences, Prague.

VASHKO, A.; PROKOPOVA, G.; KOLOMIYETS, B.T.; PAVLOV, B.V.; SHILOV, V.P.

Absorption spectra of glass of the system As_2S_3 -- As_2Se_3 . (MIRA 15:2)
Opt. i spektr. 12 no.2:275-277.F '62.
(Arsenic sulfide--Spectra)
(Arsenic selenide--Spectra)

TRISHEVSKIY, I.S.; SKOKOV, F.I.; PROKOPOVA, G.I.

Cold bent angles and channels. Standartizatsiia 28 no.8:56-57
Ag '64. (MIRA 17:11)

PROKOPOVA, H.; PELZBAUER, Z.

Microscopic study on the intrinsic morphology of suspended polyvinyl chloride particles. Chem prum 15 no.1:30-32 Ja '65.

1. Institute of Macromolecular Chemistry of The Czechoslovak Academy of Sciences, Prague.

PROKOPOVA, L.V. (Odessa, ul. Moskovskaya, d.32, kv.8)

Diagnosis of acute appendicitis in children. Nov.khir.arkh. no.6:
74-79 N-D '59. (MIRA 13:4)

1. Kafedra detskoy khirurgii i ortopedii (zaveduyushchiy - prof.
M.I. Dmitriyev) Odesskogo meditsinskogo instituta.
(APPENDICITIS)

T-SARDEK, B.: PROKOPOVA, J.

effect of some stabilizers and antirheumatic preparations on the
mineral constituents of bone tissue. Bystr. vestn. 17 1968
108-112. Nr 108

1. Vyzkumny pravek starob revmatizickych v praxe (reditel - prof.
dr. F. Lencok, Brno.).

GUBAREVA, Ol'ga Yefimovna; PROKOP'YEV, S.P., red.; NAUMOV, K.M., tekhn.red.

[Preferential development of heavy industry and the creation of an abundance in consumers' goods] Preimushchestvennoe razvitie tiazheloi industrii i sozдание izobiliiia predmetov potrebleniia.
Moskva, Izd-vo VPSH i AOM pri TsK KPSS, 1960. 77 p. (MIRA 13:5)
(Russia--Economic policy)

VENCOVSKY, Eugen; PROKSOVA, Alena

Hysteria in the light of old dissertations at the Charles University in Prague. Cesk. psychiat. 55 no.5:296-300 0 '59.

1. Psychiatricka klinika v Plzni.
(HYSTERIA hist.)

PHASE I BOOK EXPLOITATION

SOV/3935

Pronin, Boris Alekseyevich, Candidate of Technical Sciences, Docent

Klinoremennyye i friktsionnyye peredachi i variatory (V-Belt and Friction Transmissions and Variable-Speed Drives) Moscow, Mashgiz, 1960. 333 p. Errata slip inserted. 7,000 copies printed.

Reviewer: N.A. Spitsin, Doctor of Technical Sciences, Professor; Ed.: Ye.A. Ivanov, Candidate of Technical Sciences; Tech. Ed.: A.F. Uvarova; Managing Ed. for Literature on General and Transport Machine Building (Mashgiz): A.P. Kozlov, Engineer.

PURPOSE: This book is intended for designers, engineers, and scientific workers in the machine industry. It can also be used by workers in rubber products plants and students and instructors of schools of higher technical education specializing in machine construction.

COVERAGE: The book contains information on constant-ratio V-belt drives and variable-speed transmissions, including V-belt and chain-drives and friction transmissions. Pulling force, belt life, and transmission losses are analyzed. Calculation methods and material on the design and construction of variable
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V-Belt and Friction Transmissions (Cont.)

SOV/3935

speed V-belt drives are presented. Also discussed are constructions and design principles of variable-speed chain drives and variable-speed friction transmissions. No personalities are mentioned. There are 91 references: 71 Soviet, 12 German, 7 English, and 1 French

TABLE OF CONTENTS:

Preface 3

PART I. V-BELT DRIVES

Ch. I. General Information	5
1. Arrangement of a drive; characteristic features	5
2. Types of V-belt drives	8
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3. Constructions and materials of belts	10
4. Manufacture of belts	16
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Card 2/6

PRONIN, L.A.

Method of removing higher divisions of the central nervous system
in mammalian fetuses. Fiziol.zhur. 45 no.12:1497-1499 D '59.
(MIRA 13:4)

1. From the Laboratory for Comparative Ontogenesis of the Central
Nervous System, Institute of Normal and Pathologic Physiology,
Moscow.

(CENTRAL NERVOUS SYSTEM)

PRONIN, L.P., inzh.; SHUKHATOVICH, L.I., inzh.

Selection of current protection for rectifier transformers.
Elek.i tepl.tiaga 3 no.9:27 S '59. (MIRA 13:2)
(Electric current rectifiers) (Electric transformers)

FRONIN, V.I.

Practices in boring inclined boreholes oriented toward the
coal seam. Podzem.gaz.ugl. no.4:40-41 '59.
(MIRA 13:4)

1. Glavpodzemgaz.
(Coal gasification, Underground) (Boring)

01213

S/181/60/002/01/11/035
B008/B011

24.7700
AUTHORS:

Nasledov, D. N., Pronina, M. P., Radautsan, S. I.

TITLE:

Some Optical Properties of Solid Solutions of Indium
Arsenoselenides and Indium Arsenotellurides

PERIODICAL:

Fizika tverdogo tela, 1960, Vol. 2, No. 1, pp. 50 - 51

TEXT: The authors found a varying solubility in the systems InAs-In₃Te₃ and InAs-In₂Se₃ (Refs. 1,2), which is explained by structural and energy factors (Ref. 3). When studying the forbidden zone in alloys of the systems considered, they determined ΔE values for different compositions, according to the absorption edge. The methods applied to the synthesis and homogenization of the alloys had been described already earlier (Refs. 1-3). The absorption spectra were recorded with the aid of the infrared spectrophotometer MKC-14 (IKS-14). Fig. 1 shows the absorption curves of InAs, In₂Se₃, as well as 4InAs.In₂Se₃, and 2InAs.3In₂Se₃. The longwave absorption edge shifts

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Some Optical Properties of Solid Solutions of Indium Arsenoselenides and Indium Arsenotellurides S/181/60/002/01/11/035
B008/B011

regularly from one binary component to the other. This is indicative of the fact that the width of the forbidden zone of the alloys has intermediate values between $\Delta E = 0.3$ ev and $\Delta E = 1.2$ ev. Fig. 2 shows absorption curves for InAs, InAs. In_2Te_3 , and InAs. In_2Te_3 . Also in this case, the absorption edge shifts regularly from InAs to In_2Te_3 . Results of optical measurement confirmed the possibility of obtaining substances in which the width of the forbidden zone, compared to the ΔE values of the binary initial components, has intermediate values. The authors thank N. A. Goryunova for her discussion of results, and B. V. Pavlov for his aid in measurements. There are 2 figures and 6 references: 4 Soviet.

ASSOCIATION: Leningradskiy fiziko-tehnicheskii institut AN SSSR
(Leningrad Institute of Physics and Technology, AS USSR).
Moldavskiy filial AN SSSR (Moldaviya Branch of the
AS USSR)

SUBMITTED: May 11, 1958

Card 2/2

COUNTRY : CZECHOSLOVAKIA
CATEGORY : Physical Chemistry. Gases. Liquids. Amorphous Bodies
ABS. JOUR. : RZKhim., No. 1 1960, No. 375
AUTHOR : Prokopova, H.; Vasko, A.
INST. :
TITLE : Passableness of Arsenical Glass Within the Range from 15 to 25 μ
ORIG. PUB. : Ceskosl. casop. fys., 1959, 9, No 1, 111-112
ABSTRACT : Arsenical glass which has As₂S₃ or As₂S₅ as a component, is passable within the range of 16-20 μ . The maximal coefficient of passableness is 30%. At 25 μ , a new range of passableness begins (long-wave range).-- S. Shushurin

CARD: 1/1

CZECHOSLOVAKIA/Optics.

K

Abs Jour : Ref Zhur Fizika, No 3, 1960, 7059

Author : Prokopova, H., Vasko, A.

Inst :

Title : Transmission of Arsenic Glass in the Range from 15 to 25
Microns.

Orig Pub : Ceskosl. casop. fys., 1959, 9, No 1, 111-112

Abstract : See Referat Zhur Fizika 1960, No 1, 1972.

Card 1/1

- 127 -

PROKOPOVA, S.

CZECHOSLOVAKIA/General Problems of Pathology - Tumors.

T-5

- Abs Jour : Ref Zhur - Biol. No 3, 1958, 12709
- Author : Puyman, V., Dolezhelova, V., Prokopova, S., Rikhterova, Ye.
- Inst : Not given
- Title : The Effect of Antileukemic Agents on Leukemic and Leukemoid Changes.
- Orig Pub : Chemotherapeutica, I. Farmac. sympos. Praha, 1956, 31-33
- Abstract : A study of the effects of 6 mercaptopurine, myleran cortisone, Compound 604 (*gamma*-methoxyphenyl-*alpha*, *beta*-dichlorocrotonlactone) and Compound 604 Br (*gamma*-*n*-methoxyphenyl-*alpha*, *beta*-dibromocrotonlactone) on mice of AKR and H strains that had received transplants of leukemia LPAK-VUFB and sarcoma 180 has shown that 6-mercaptopurine and Cmd. 604 interfere with the development of leukemia; 6-mercaptopurine also decreases the weight of the leukemic

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