

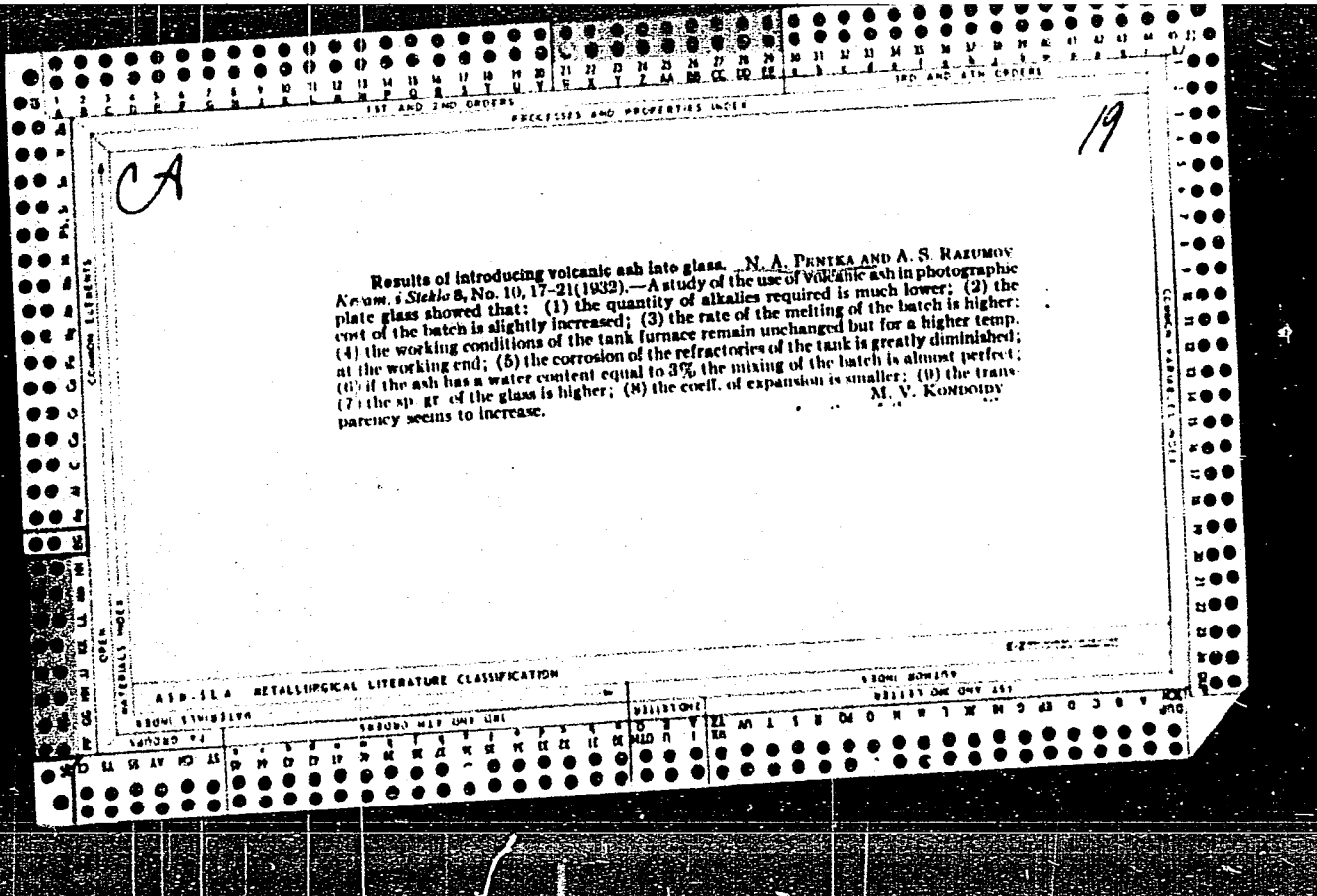
GIOBANU, Alex.; FENTIUC, D., ing.; OPRISIU, C., ing.

The perfecting technology. Constr Buc 15 no.700:1 8 Je '63.

1. Responsabil cu inovatiile la I.S.C.M\*, Suceava (for Pentiu).

PENTJARV, August; OGA, A., red.; MULLARI, O., tekhn. red.

[Complex mechanization of the liming of acid soils]  
Happeliste muldade lupjamise kompleksne mehhaniseeri-  
mine. Tallinn, Eesti Riiklik Kirjastus, 1963. 37 p.  
(MIRA 17:1)  
(Liming of soils) (Farm mechanization)



19

Hot repair of tank furnace during operation. N. A. Pentka and A. S. Razumov. *Keram. i Steklo* 9, No. 6, 8-10 (1933). — Hot repairs during operation of a tank furnace at Zudov's glass works are described. The only neg. feature was the rapid corrosion of the blocks during the first days after the repairs caused by the action of the cullet and melt on the refractories before the formation of the glassy layer on the surface of the blocks. M. V. Kondoidy

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

PENTKO, N.A., MEL'VILENKO, D.T.

Important potential for increasing the production of sheet  
glass. Stek. i ker. 21 no.9:35-36 S '64. (MIRA 18:4)

EXCERPTA MEDICA Sec 13 Vol 13/9 Dermatology Sept 59

2378. CLINICAL MANIFESTATIONS OF EPIDERMOPHYTOSIS (Russian text) -  
Pentkovskaya V. N. - VESTN. VENER. I DERM. 1958. 32/4 (38-42)

TABLE I

Epidermophytosis caused by *Epidermophyton rubrum* shows a progressively increasing incidence and in certain quarters of Moscow represented 41% of all dermatomycosis cases in 1956. Of 700 such cases, 488 were in women, 150 in men and 62 in children up to 16 yr. of age. The clinical manifestations are typical, with predominance of hyperkeratotic lesions of the feet and of the palms of the hands, and onychomycosis of several nails. Combination with other localizations is seen in 30.5%. The hair is rarely affected by the ectothrix megaspore type.

Balabanoff - Sofia

PENTKOVSKAYA, V.N.

Fungous diseases of the feet in children. Vest. dermat. i ven. 34  
no.7:56-57 '60. (MIRA 13:12)

(RINGWORM)

(FOOT--DISEASES)

GABRIELOV, L.B.; PEN'KOVSKAYA, V.V.; IL'INA, I.V., red.; SERBIN, Ye.M.,  
tekh. red.

[Postwar struggle of the CPSU for the reconstruction and development  
of the national economy; from 1945 to 1953, documents and materials]  
Bor'ba KPSS za vosstanovlenie i razvitie narodnogo khoziaistva v  
poslevoennyi period, 1945-1953 gody; dokumenty i materialy. Moskva,  
Gos. izd-vo polit. lit-ry, 1961. 402 p. (MIRA 14:9)  
(Russia—Economic conditions)



PENTJARV, A.

The use of lime fertilizers justifies itself. p. 207.

SOTSIALISTLIK POLUMAJANDUS. Tallinn, Hungary. Vol: 13, no. 5, May 1958.

Monthly List of East European Accessions (EEAI), LC, No. <sup>Vol. 8 12 Rec.</sup> 4, ~~July~~, 1959.  
Uncl.

PENTKOVSKAYA, V.N.

Clinical manifestations of Epidermophyton rubrum infection [with  
summary in English]. Vest.derm. i ven. 32 no.4:38-42 JL-Ag '58  
(MIRA 11:10)

1. Iz 1-go Moskovskogo mikologicheskogo dispansera (nauchnyy  
rukovoditel' - prof. A.M. Ariyevich, glavnyy vrach V.N. Pentkovskaya).  
(RINGWORM, manifest  
Epidermophyton rubrum infect. (Rus))

PENTROVSKIY, M. N. V.

Conversion of Nomograms p. 12

TRANSACTIONS OF THE 2ND REPUBLICAN CONFERENCE ON MATHEMATICS AND MECHANICS  
(TRUDY VIKOY RESPUBLIKANS'YU KONFERENTSIYI PO MATEMATIKE I MEKHANIKE), 164  
pages, published by the Publishing House of the AS KAZAKH SSR, ALMA-ATA, USSR, 1962

PENTKOVSKIY, M.V.

Korrelyativnoye preobrazovaniye abaka Masso polyarnym metodom. M.--L., Nomogr. SB. (1935), 145-178.

Proyektivnoye preobrazovaniye nomogramov. m.--L., ONTI (1937), 1-112.

SO: Mathematics in the USSR, 1917-1947

edited by Kurosh, A.G.,

Markushevich, A.I.,

Rashevskiy, P.K.

Moscow-Leningrad, 1948

PENTKOVSKIY, M.V. Continued

Proyektivnoye preobrazovaniye nomogramov. M—L, uchen. zap. un-ta, 28 (1939), 115-140.

SO: Mathematics in the USSR, 1917-1947  
edited by Kurosh, A.G.,  
Markushevich, A.I.,  
Rashevskiy, P.K.  
Moscow-Leningrad, 1948

PENTKOVSKIY, M. V.

"Non-Project Transformations of Nomograms  
of Equations of the Third Nomographic Order", Dokl. Ak. Nauk, SSSR, 62, No. 5, 1948.

PFIDTROY SKIV, M V.

PENTKOVSKI, M. V.

2

*Nuclear Sci. Abstr.*  
*V-8 Jan 15, 1954*  
*Physics*

THE NOMOGRAPHIC METHOD OF DETERMINING THE  
OPTIMUM PROJECTIVE TRANSFORMATION OF  
RECTILINEAR SCALES. M. V. Pentkovskii [Pentkovskiy].  
Translated from Doklady Akad. Nauk S.S.S.R. 66, 339-43  
(1940). 8p. (AEC-tr-1721)

The construction of nomographs which will give the  
result with a predetermined degree of accuracy is one of  
the basic problems of practical nomography. This is  
attained by an appropriate projective transformation of the  
nomographs. A nomographic method for determining the  
optimum transformation of the projective scales is given.  
A.B.



PENTKOVSKIY, M. V.

PENTKOVSKIY, M. V. -- "Effective Methods of Constructing Nomograms."  
Sub 25 Dec 52, Mathematics Inst imeni V. A. Steklov, Acad Sci USSR.  
(Dissertation for the Degree of Doctor in Physicomathematical Sciences).

SO: Vechernaya Moskva January-December 1952

PENTKOVSKI, M.V.

Pentkovski, M. V. Approximate nomograms from aligned points with two parallel scales. Doklady Akad. Nauk SSSR (N.S.) 83, 27-30 (1952). (Russian) 62

It is assumed that  $u$  and  $w$  lie between known extremes and that  $v$ , to be determined so that  $F(u, v, w) = 0$ , has a known characteristic [Pentkovski, same Doklady (N.S.) 66, 339-342 (1949); these Rev. 11, 406] determined by the precision with which  $v$  is to be found. From this a rectilinear scale for  $v$  is determined. A scale for  $u$  is adopted by projecting the  $v$ -scale through a chosen point to a chosen parallel line. Let  $P$  denote the intersection of the tangents at the ends of a typical  $w$ -arc of the tangential nomogram that could be constructed, let  $N$  be the point on this  $w$ -arc for which  $NP$  is parallel to the  $v$  scale and let  $Q$  be the midpoint of  $NP$ . The approximate nomogram uses the points  $Q$  instead of the  $w$ -arcs. The construction described is analytically formulated and a bound for the error in using such a nomogram to find  $v$  is deduced and discussed, under the assumption that the  $w$ -arcs are without inflection points or cusps.  
R. Church (Monterey, Calif.)

PENTKOVSKIY, M.V.

MS  
 \*Pentkovskij, M. V. Skelety nomogramm uravnenij tretego nomografičeskogo porjadka. [Skeletons of nomograms of equations of the third nomographic order.] Izdat. Akad. Nauk SSSR, Moscow, 1953. 62 pp. 3.45 rubles.

I - F/W

This work provides a useful set of tools to assist in arriving at a choice of projective and non-projective transformation parameters that will yield an alignment chart, for an equation of third nomographic order, that is reasonably near optimum for given ranges of the variables. The tools consist of 25 accurately constructed nomograms (skeletons) for the equation  $\xi + \eta = \zeta$ , 16 of them for its representation by a conic and straight line and 7 for its representation on a cubic. The cartesian parametric equations for the three scales are given in all cases so that a nomogram of desired size can be accurately constructed when the most satisfactory skeleton and non-projective transformation parameters have been selected. This is done by plotting, on tracing paper placed over the skeletons, the extreme and necessary intermediate values

(over)

Pentliouckii, M.V.

for the given ranges of the variables using various values for the three parameters in the equations relating the original variables to  $\xi$ ,  $\eta$  and  $\zeta$ . One of the two applications that are included results in meeting the accuracy requirements of the problem in three-eighths the space occupied by a previously published nomogram employing only parallel scales. The essential properties of such skeletons were discussed by the author elsewhere [Dokl. Akad. Nauk SSSR (N.S.) 62, 589-590 (1948); MR 10, 576]; in his book [Nomografiya, Gostehizdat, Moscow-Leningrad, 1949; MR 13, 78; 15, 902] he explained their advantages and the use of the one included there.

*R. Church* (Monterey, Calif.)

2/2

*RCW*

PENTROVSKIY, M. V.

PENTROVSKIY, M.V.; ZANSOKHOV, A.V., redaktor; NEGRIMOVSKAYA, R.A., tekhnicheskii redaktor

[Calculating diagrams (nomograms)] Schitaiushchie chertezhi  
(nomogrammy). Moskva, Gos. izd-vo tekhn.-teoret. lit-ry, 1953.  
150 p. (MIRA 7:9)  
(Nomography (Mathematics))

PENTKOVSKIY, M.V.

LEDNEV, N.A., professor; GROSHEV, A.V.; YELISTRATOVA, T.A., NIKITIN, B.D.;  
PENTKOVSKIY, M.V.; PREOBRAZHENSKIY, M.A.; RUMSHISKIY, L.Z.

[Practical mathematical work on calculating machines and instruments]  
Matematicheskii praktikum na schetnovychislitel'nykh priborakh i  
instrumentakh. Moskva, Gos. izd-vo "Sovetskaya nauka," 1954. 365 p.  
(Calculating machines) (Approximate computation) (MLRA 7:7)

PENTKOVSKIY, M.V.

GEKHT, B.I. (Novocherkassk)

M.V. Pentkovskii's book "The calculating drawings." Mat. v shkole  
no. 4:79-80 J1-Ag '54. (MIRA 7:7)  
(Nomography (Mathematics)) (Pentkovskii, M.V.)

KHOVANSKIY, Georgiy Sergeevich; PENTKOVSKIY, M.V., professor, otvetstvennyy redaktor; ASTAF'YEVA, T.A., tekhnicheskiy redaktor

[Nomographic calculations in hydraulics] Nomograficheskie raschety v gidravlike. Moskva, Izd-vo Akademii nauk SSSR, 1956. 112 p1 (MLRA 9:10)  
- - - [Supplement] 71 l.  
(Nomography (Mathematics))  
(Hydraulic engineering)



PENTKOVSKIY, M. V.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.)<sup>Moscow,</sup>  
Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Pentkovskiy, M. V. (Leningrad). On the Best Transformation  
of Nomograms From Adjusted Points. 194-195

Pentkovskiy, M. V. (Leningrad). New Method of Projective  
Transformation of Nomograms on a Net. 195

Pol'skiy, N. I. (Kiyev). Galerkin's Method and its  
Substantiation. 195-196

Mention is made of Galerkin, A. A., Keldysh, M. V.,  
Petrov, G. I., Kantorovich, L. V., Mikhlin, S. G.  
Bogolyubov, N. N., Krylov, N. M., Krasnosel'skiy, M. A.,  
and Vishik, M. I.;

There are 8 references, all of them USSR.

Purto, V. A. (Moscow), Moloshnaya, T. N. (Moscow).  
On Translation by Machinery From English Into Russian. 196

Card 63/80

88224

S/031/60/000/010/004/005  
A161/A026

9,7160

AUTHOR: Pentkovskiy, M.V.; Academician

TITLE: The Universal Computer "Ural"

PERIODICAL: Vestnik Akademii nauk Kazakhskoy SSR, 1960, No. 10, pp. 93 - 94

TEXT: The "Ural" is a new electronic computer installed in Laboratoriya mashinnoy i vychislitel'noy matematiki (Laboratory of Mechanical and Computing Mathematics) of the Academy of Sciences of the KazSSR. It is automatic, program controlled, and performs 29 different arithmetical and logical operations with a separate "command" for each. The sequence of the commands makes the program. In its principle the "Ural" is a typical automatic electronic system. It includes 800 electron tubes and 3,000 semiconductor elements. The program and the numerical information for calculations are perforated in a movie film. The part of numerical matter and program working at a given moment is recorded on a magnetic drum, the memory unit. The calculated figures are recorded on the same drum. The part of program and numerical matter needed in the following operations is transferred to a magnetic storage tape, and at the corresponding command it is again rewritten on the drum. The results and the check digits are either printed on paper tape or perforated in a movie film. [Abstractor's Note: No further design  
Card 1/3

88224

The Universal Computer "Ural"

S/031/60/000/010/004/005  
A161/A026

details are given, and no diagrams included]. The machine permits calculations with decimal nine-digit numbers, i.e., the numbers can be put in and out in this form, but the computations in the machine proceed in binary system. The speed is one hundred calculations per second. The "Ural" has been installed and started by a team of Laboratory engineers headed by the Senior Engineer of the computer, M.T. Kozhayev. The team had been trained at the producer plant. The computer is universal in the sense that it can solve any mathematical problem provided that the numerical calculation method is known. Difficulties can only be caused by its comparatively slow speed in case a very high number of operations is needed. About 100 - 200 million operations are the top limit for one problem, i.e., higher number of operations is also possible but it would take a long time and could not be programmed without difficulties. The computer will be used for various computations for the Academy institutes. At present it does trial calculations for the Astrofizicheskiy institut (Astrophysics Institute) and Institut yadernoy fiziki (Institute of Nuclear Physics). Computations are being prepared for studies of power cyclone process ("energotsiklonnyy protsess") at the Institut energetiki (Institute of Power Engineering). It will take some time before the mathematicians will master the programming and the engineers the computer operation. It is mentioned that after the arrival of the "Ural" the future computing center of the Academy already can solve a rather wide range of computation problems. The  
Card 2/3

88224

The Universal Computer "Ural"

S/031/60/000/010/004/005  
A161/A026

Laboratory also has a set of analytic computers, an electronic 9B -80 (EV-80) computer and an analog computer WPT -5 (IPT-5).

ASSOCIATION: AN KazSSR (AS KazSSR)

*[Handwritten mark]*

Card 3/3

PENTKOVSKIY, M.V., akademik

"Ural" universal computer. Vest.AN Kazakh.SSR 16 no.10:93-94 0 '60.  
(MIRA 13:10)

1. Akademiya nauk KazSSR.  
(Electronic calculating machines)

PENTKOVSKIY, M.V., akademik

Probable evaluation of error in calculation based on nomograms and a simplified method for compiling them. Vest. AN Kazakh, SSR 17 no. 2:21-26 F '61. (MIRA 14:2)

1. AN KazSSR.

(Nomography (Mathematics))

PENTKOVSKIY, M.V.

Projective transformation of nomograms. Izv. AN Kaz. SSR. Ser.  
mat. i mekh. no.9:4-10 '61. (MIRA 14:3)  
(Nomograms)

PENTKOVSKIY, M.V., akademik; ROZHOK, G.K.

Constructing nomograms on the "Ural" machine. Vest.AN Kazakh.SSR  
17 no.5:31-36 My '61. (MIRA 14:6)

1. Akademiya nauk KazSSR (for Pentkovskiy).  
(~~N~~omography (Mathematics)) (Electronic calculating machines)



PENTKOVSKIY, M.V., akademik

The 22d Congress of the CPSU and the development of physical and mathematical sciences at the Academy of Sciences of the Kazakh S.S.R. Vest. AN Kazakh. SSR 17 no.12:29-37 D '61.  
(MIRA 15:3)

1. Akademik-sekretar' Otdeleniya fiziko-matematicheskikh nauk AN Kazakhskoy SSR.

(Kazakhstan--Physics)

(Kazakhstan--Mathematics)

PENTKOVSKIY, M.V., otv. red.; ZHAUTYKOV, O.A., red.; MOLYUKOV, I.D.,  
red.; PERSIDSKIY, K.P., red.; YATAYEV, M., red.; BEDEL'RAYEV, A.K., red.;  
OSADCHIY, F.Ya., red.; SHEVCHUK, T.I., red.; ALFEROVA, P.F.,  
tekh. red.

[Transactions of the Second Republic Conference on Mathematics  
and Mechanics] Trudy Vtoroy respublikanskoy konferentsii po ma-  
tematike i mekhanike. Alma-Ata, Izd-vo Akad.nauk Kazakhskoy  
SSE, 1962. 183 p. (MIRA 15:7)

1. Respublikanskaya konferentsiya po matematike i mekhanike,  
2d, Alma-Ata, 1959.  
(Mathematics--Congresses) (Mechanics--Congresses)

ZHAUTYKOV, O.A.; PENTKOVSKIY, M.V.

Problems in the development of mathematics in Kazakhstan. Vest.  
AN Kazakh.SSR 16 no.8:9-19 Ag '60. (MIRA 13:9)  
(Kazakhstan--Mathematics)

PEN'KOVSKIY, V.V.

Cooling the cylinders of VK-3,5 air compressors with a water  
recirculation system. Ugol' Ukr. 4 no.1:20-21 Ja '60.

(MIRA 13:5)

(Air compressors--Cooling)

PENTKOVSKIY, M.V.

16(0); 88(2)

PHASE I BOOK EXCERPTATION

807/3365

Akademiya nauk Azerbaydzhanskoj SSR

Testy dokladov Soveshchaniya po vychislitel'noy matematike i primeneniya sredstv vychislitel'noy tekhniki (Outlines of Reports of the Conference on Computational Mathematics and the Use of Computer Techniques) Baku, 1958. 63 p. 400 copies printed.

Additional Sponsoring Agencies: Akademiya nauk ESSR. Vychislitel'nyy tsentr, and Akademiya nauk ESSR. Institut avtomatiki i telemekhaniki.

No contributors mentioned.

**PURPOSE:** This book is intended for pure and applied mathematicians, scientists, engineers and scientific workers, whose work involves computation and the use of digital and analog electronic computers.

**COVERAGE:** This book contains summaries of reports made at the Conference on Computational Mathematics and the Application of Computer Techniques. The book is divided into two main parts. The first part is devoted to computational mathematics and contains 19 summaries of reports. The second section is devoted to computing techniques and contains 20 summaries of reports. No personalities are mentioned. No references are given.

Belotserkovskiy, S.M., and P. I. Chushkin. Solution of Some Problems of High Speed Aerodynamics on Electronic Digital Computers	56
Val'denberg, Yu.S. Specialized Mathematical Machine of Continuous Operation for the Solution of Integral Equations	57
Tsyplin, Ya.E. Discrete Method of the Analysis and Synthesis of Continuous Systems	59
Glushkov, V.M. On the Basic Trends of Work at the Computing Techniques Laboratory of the Institute of Mathematics of the Academy of Sciences, USSR	61
Pentkovskiy, M.V. State of the Problem of Transforming Homograms	62

**AVAILABILITY:** Library of Congress (QA75.B7)

Card 7/7

AO/ral  
4-13-60

PENTKOVSKIY, M.V.

Approximate nomograms of the first genus. Izv.AN Kazakh.SSR.  
Ser.mat. i mekh. no.7:3-39 '59. (MIRA 12:5)  
(Nomography (Mathematics))

FENTKOVSKIY, M.V.

New method for projective transformation of nomograms on a  
net of parallel invariant lines. Izv. AN Kazakh. SSR. Ser. mat.  
i mekh. no. 7:40-51 '59. (MIRA 12:5)  
(Nomography (Mathematics))

PENTKOVSKIY, M.V., akademik

Electronic equipment in the Laboratory of Machine and Computer  
Mathematics. Vest.AN Kazakh.SSR 15 no.1:101 Ja '59.  
(MIRA 12:1)

1. AN KazSSR.

(Electronic calculating machines)



PENIKOVSKIY, M. V.

"On the Evaluation of Error of Computing Alignment Points  
by Nomograms on on Their Best Transformation"

Trudy, t. 1. Transactions of the Mathematics and Mechanics Section, Kazakh SSR,  
Acad. Sci., Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958, 207pp.

FENTKOVSKIY, N.V.

Evaluating the calculation error resulting from the use of  
nomograms of aligned points and best transformation of nomograms.  
Trudy Sekt.mat. i mekh.AN Kazakh.SSR 1:62-70 '58. (MIRA 11:12)

(Nomography (Mathematics))

AUTHOR: Pentkovskiy, M.V. SOV/20-121-5-10/50  
TITLE: Small Projective Transformation of Nomograms (Malyye proyektivnyye preobrazovaniya nomogrammy)  
PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 5, pp 805-806 (USSR)  
ABSTRACT: The author formulates sufficient conditions that for a variation of the scale (compared with the other ones) there appears an enlargement of errors.  
There are 2 figures and 1 Soviet reference.  
ASSOCIATION: Laboratoriya mashinnoy i vychislitel'noy mekhaniki Akad.nauk Kaz.SSR (Laboratory of Mechanical and Computing Mechanics of the Academy of Sciences of the Kazakh SSR)  
PRESENTED: April 12, 1958, by A.A.Dorodnitsyn, Academician  
SUBMITTED: April 10, 1958

Card 1/1

PENIKOVSKIY, M.V.

Small projective transformations of nomograms. Dokl. AN SSSR 121  
no. 5:805-806 Ag '58. (MIRA 11:10)

1. Laboratoriya mashinnoy i vychislitel'noy mekhaniki AN KazSSR,  
Predstavleno akademikom A.A.Dorodnitsynym.  
(Nomography(Mathematics))

PENTKOVSKIY, M.V.; UGAROVA, N.A., red.; BRUDNO, K.F., tekhn.red.

[Calculating diagrams (nomograms)] Schitsaiushchie chertezhi;  
nomogrammy. Izd.2. Moskva, Gos.izd-vo fiziko-matem.lit-ry,  
1959. 150 p. (MIRA 13:4)  
(Nomography (Mathematics))

ARIYEVICH, A. M.; PENTKOVSKAYA, V. N.

*Trichophyton roseum* as a pathogenic factor in trichophytosis  
of the beard and whiskers. Vest. vener., Moskva no.5:18-21  
Sept-Oct 1951. (GIML 21:1)

1. Professor. 2. Of Moscow Mycological Dispensary (Head  
Physician -- V. N. Pentkovskaya; Consultant -- Prof. A. M.  
Ariyevich).

VEYSMAN, V.G.; SUMTSOVA, Ye. Ya.; PENTKOVSKAYA, V.N.

Steam disinfection of objects infected with dermatophytes. Gig. 1  
san. no.7:43-45 J1 '54. (MIRA 7:8)

1. Iz Moskovskoy gorodskoy dezinfektsionnoy stantsii.

(FUNGI,

\*steam disinfection of infected objects)

(ANTISEPSIS AND ASEPSIS,

\*steam disinfection of objects infected with dermatophytes)

KALASHNIKOVA, L.M., kand. ekon. nauk, dots.; KALASHNIKOV, V.D.;  
YEPIKHIN, P.S.; LAPSHINA, Ye.A.; PENTKOVSKIY, N.I., prof.,  
retsenzent; GORBUSHIN, P.B., retsenzent; RYABOVA, U.A., red.

[Economics of the building materials industry] Ekonomika  
promyshlennosti stroitel'nykh materialov. [by] L.M.Kalashnikova  
i dr. Moskva Vysshaya shkola, 1964. 307 p. (MIRA 17:10)

1. Zaveduyushchiy kafedroy ekonomiki i organizatsii Moskovskogo  
inzhenerno-stroitel'nogo instituta (for Pentkovskiy). 2. Chlen-  
korrespondent Akademii stroitel'stva i arkhitektury SSSR (for  
Gorbushin).



NECHAYEV, G.A., inzhener.

"Organization and planning in the construction industry" by  
N.I.Pentkovskii. Reviewed by G.A.Nechaev. Nov.tekh.i pered.  
op.v stroi. 19 no.4:32-3 of cover Ap '57. (MIRA 10:7)  
(Construction industry)  
(Pentkovskiy, N.I.)

PENTKOVSKIY, Nikolay Ivanovich, kandidat tekhnicheskikh nauk; MARKOV,  
Vladimir Aleksandrovich, kandidat tekhnicheskikh nauk; TOKER, A.M.,  
tekhnicheskii redaktor

[Organizing and planning the repair of building machinery] Organi-  
zatsiya i planirovaniye remonta stroitel'nykh mashin. Moskva, Gos.  
izd-vo lit-ry po stroit. i arkhitekt., 1955. 287 p. (MLRA 8:7)  
(Building machinery--Repairing)

PENTKOVSKIY, Nikolay Ivanovich, prof.; MARTYNOV, A.P., red.;  
VORONINA, R.A., tekhn. red.

[Collection of problems on the carrying out of construction work] Sbornik zadach po proizvodstvu stroitel'nykh rabot  
Moskva, Gos.izd-vo "Vysshaya shkola," 1963. 233 p.

(Building--Problems, exercises, etc.) (MIRA 16:10)

PENTAKOVSKIY, N.I.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.; DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO, V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.; KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.; MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.; PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY, Ye.A., inzh.; PODLUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV, I.G., inzh.; REDIN, I.P., inzh.; REZNIK, I.S., kand. tekhn. nauk.; ROGOVSKIY, L.V., inzh.; HUDERMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.; SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESKO, A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV, V.I., inzh.; FEFER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P., inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY, I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.; DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV, S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk., red.; LISTOPADOV, N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];

(continued on next card)

AGALINA, M.S.... (continued) Card 2.

~~PEBYKOVSKIY, N.I.~~, inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheski spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry pe ugol'noi promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures] Organizatsiia proektirovaniia; Stroitel'stvo zdanii i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)

(Mining engineering)

(Building)

PENTKOVSKIY, Nikolay Ivanovich, kandidat tekhnicheskikh nauk; DIKOV, N.D.,  
kandidat tekhnicheskikh nauk, nauchnyy redaktor; BEGAK, B.A.,  
redaktor izdatel'stva; PERSON, M.N., tekhnicheskiiy redaktor

[Organization and planning of construction work] Organizatsiia i  
planirovanie stroitel'stva. Izd. 2-oe, ispr. i dop. Moskva, Gos.  
izd-vo lit-ry po stroit. i arkhit., 1956. 327 p. (MLRA 10:4)  
(Building).

PENTKOVSKIY, R.B.

New method of controlling landslides. Osn., fund. i mekh.  
grun. 8 no.1:29-30 '66.

(MIRA 19:1)

PENTKOVSKIY, V.

Labor Laws and Legislation - China

Labor legislation in the Chinese People's Republic, Prof. soiuzy, No. r, 1952.

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



ACCESSION NR: AP4045517

P/0045/63/024/001/0003/0012

AUTHOR: Mazur, Yu.; Pentkowska, Ya.; Rafalovich, Ye.; Zakharko, V.

TITLE: On electric property of filiform silver single crystal investigated as a function of temperature

SOURCE: Acta physica polonica, v. 24, no. 1, 1963, 3-12

TOPIC TAGS: electrical resistance, filiform crystal, low temperature physics, cryogenics, filiform silver, monocrystal silver

ABSTRACT: The principle task of this experimental investigation was to determine the electric resistance of filiform silver single crystals at room temperature down to 1.77 - 4.2 K. The diffusion scattering of conduction electrons from the surface as a result of changes in whisker diameter was also under study. The effect of various temperatures on the specific resistance was compared for silver wires and whiskers. The authors describe the method and equipment used in this study and the conditions under which it was carried out, as well as the techniques used to prepare the specimens. The minimum of resistance for silver whiskers was determined.

Card 1/2

ASSOCIATION: Zakład Niskich Temperatur Instytutu Fizyki PAN, Wrocław  
(Cryogenic Laboratory of the Physics Institute of the Polish Academy of Sciences)

SUBMITTED: 18Oct62

ENCL: 00

SUB CODE: EC

NO REF SOV: 000

OTHER: 021

Card 1/2

KUSZELEWSKI, Leszek; PENTKOWSKI, Andrzej

Properties of manure submitted to methane fermentation in the light of pot tests. Rocznik nauk rolniczych 82 no.3:715-737 '61.

1. Katedra Chemii Rolniczej, Szkoła Główna Gospodarstwa Wiejskiego, Warszawa i Pracownia Metodyczno-Nawozowa, Instytut Uprawy, Nawożenia i Gleboznawstwa, Warszawa; Kierownik: prof. dr. M. Gorski.

PENTAGON 2

PENTLAKOWA, ZOFIA

Poland/Chemical Technology - Chemical Products and Their Application. Silicates.  
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62277

Author: Pentlakowa, Zofia

Institution: None

Title: Cast Basalt as a Material of the Future

Original

Periodical: Leizna bazaltowa jako tworzywo przyszlosci, Mater. budowl., 1956,  
11, No 3, 68-74; Polish

Abstract: Specifications are stated for raw materials which may be basalts, basanites, nephelinites and other forms of strongly basic eruptive rocks containing <52% SiO<sub>2</sub>. In Poland the most suitable materials are basalt (I) and basanite (II) from Polish and Lower Silesia. Chemical composition (in %): I -- SiO<sub>2</sub> 45, Al<sub>2</sub>O<sub>3</sub> 15, Fe<sub>2</sub>O<sub>3</sub> 4.4, FeO 5.6, MgO 11.7, CaO 10.7, R<sub>2</sub>O 3.4, TiO<sub>2</sub> 2.3, other 0.7; extraneous admixtures 1.1; II -- SiO<sub>2</sub> 42, Al<sub>2</sub>O<sub>3</sub> 15, Fe<sub>2</sub>O<sub>3</sub> 4.1, FeO 4.2, MgO 10.1, CaO 14.3, R<sub>2</sub>O 4.7, TiO<sub>2</sub> 2.1, other 1.4; extraneous

Card 1/2

Poland/Chemical Technology - Chemical Products and Their Application. Silicates.  
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62277

Abstract: admixtures 2. Scheme of production of basaltic castings at the Polish plant in Stachanowiczi: fusion of basalt in shaft furnace, homogenizing of the melt, pouring into sand molds (slabs and blocks) or centrifugal casting into metallic chill-molds (pipes and fittings), annealing of articles in conveying furnace. At Warsaw Polytechnic Institute a detailed study has been made of the mineralogical composition of structure of eruptive basic rocks for casting and crystallization conditions of the castings. Recommendations are presented for the production of castings.

Card 2/2

PENTLARAWA 7AFIA

PENTLAKOWA, Lofia.

PELIKAN, L.

Hemorrhage caused by circulating anticoagulant resembling heparin. Cesk. pediat. 12 no.4:317-327 Apr 57.

(HEPARIN

circulating heparin-like anticoagulant causing hemorrh. in child with chorea minor (Cz))

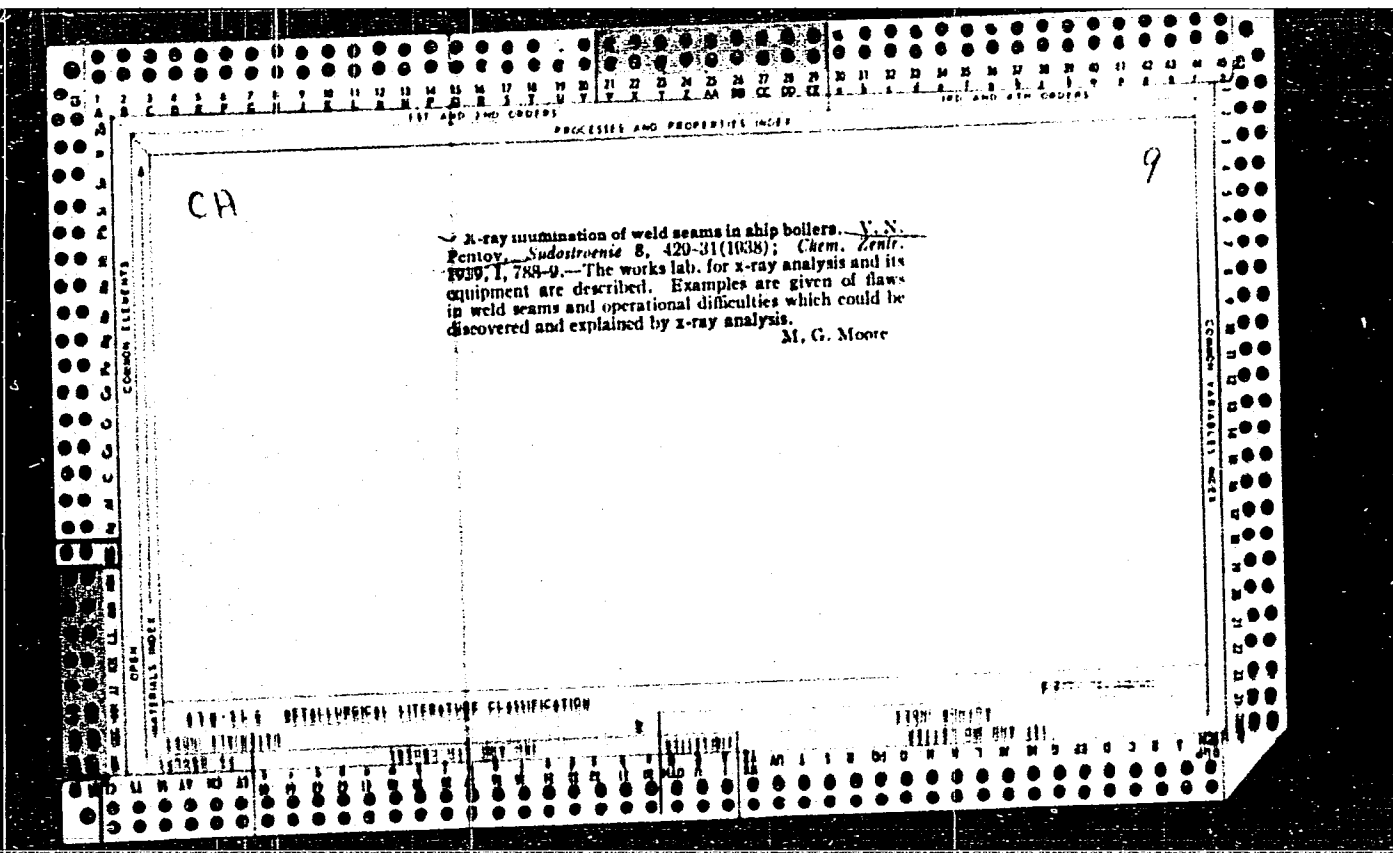
(CHOREA, in inf. & child

minor, with hemorrh. caused by circulating heparin-like anticoagulant (Cz))

(HEMORRHAGE, in inf. & child

caused by circulating heparin-like anticoagulant in child with chorea minor (Cz))





**"APPROVED FOR RELEASE: 06/15/2000**

**CIA-RDP86-00513R001239920020-3**

**APPROVED FOR RELEASE: 06/15/2000**

**CIA-RDP86-00513R001239920020-3"**

~~PENTKOVSKIY, N.I.~~, dotsent, kandidat tekhnicheskikh nauk; RAYKHINSHTEYN, S.I., dotsent, kandidat tekhnicheskikh nauk; BOGUSLAVSKIY, L.D., dotsent, kandidat tekhnicheskikh nauk; PASHCHENKO, H.Ye., inzhener, retsenzent; POLYAKOV, D.L., inzhener, redaktor [deceased]; ZHURAVLEV, B.A., inzhener, nauchnyy redaktor; GOLUBENKOVA, L.A., redaktor izdatel'stva; PERSON, M.N., tekhnicheskiy redaktor

[Organization and planning of construction and assembly work in establishing heat and gas supply and ventilation] Organizatsia i planirovanie stritel'no-montaznykh rabot po teplo-gazosnabzheniu i ventilatsii. Pod red. D.L.Poliakova. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 293 p. (MIRA 9:11)

1. Chlen-korrespondent Akademii arkhitektury SSSR (for Pashchenko)  
(Heat engineering) (Ventilation)

PENTKOVSKIY, N.I., kandidat tekhnicheskikh nauk, dotsent.

"Organization and mechanization of apartment house construction".  
S.E.Kantorov, M.P.Mazur. Reviewed by N.I.Pentkovskii. Stroi.prom.  
34 no.6:47 Je '56. (MLRA 9:9)  
(Building) (Kantorov, S.E.) (Mazur, M.P.)

PENTKOVSKIY, NIKOLAY IVANOVICH

N/5  
741.51  
.P4

ORGANIZATSIYA I PLANIROVANIYE REMONTA STROITEL'NYKH MASHIN (ORGANIZATION AND  
PLANNING OF MAINTENANCE OF CONSTRUCTION MACHINES, BY N. I. PENTKOVSKIY

PENTLAKOWA, Z.

Melted basalt as a plastic material of the future. p. 68.  
MATERIALY BUDOWLANE, Warszawa. Vol. 11, no. 3, Mar. 1956.

SOURCE: East European Accession List (EEAL) Library of Congress  
Vol. 5, no. 8, August.

PENTSAK, Iosif Nikolayevich; ROPTANOV, Fedor Ivanovich; SHUL'ZHENKO,  
M.N., prof., retsenzent

[Science of airplanes] Samoletovedenie. Moskva, Mashino-  
stroenie, 1964. 206 p. (MIRA 17:11)

ACCESSION NR. AM506498

BOOK EXFIDITATION

Pantsak, Iosif Nikolayevich (Engineer); Roptanov, Fedor Ivanovich (Engineer)

60



**"APPROVED FOR RELEASE: 06/15/2000**

**CIA-RDP86-00513R001239920020-3**

---

**APPROVED FOR RELEASE: 06/15/2000**

**CIA-RDP86-00513R001239920020-3"**

FENTOVSEIY, N I

N/5  
748.1  
.P4

Sbornik zadach po organizatsii i planirovaniyu stroitel'nogo proizvodstva  
(Collection of Problems On The Organisation and Planning of Construction  
Work) Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952.

286 p. diags., tables.

"Literatura": p. 288

PENTS, M., angliyskiy fizik

One day at the European Organization for Nuclear Research.  
Nauka i zhizn' 29 no.12:28-33 D '62. (MIRA 16:3)

1. Laboratoriya Yevropeyskoy organizatsii yadernykh  
issledovaniy.  
(Geneva--Nuclear physics--Research)

L 43869-66 EWP(t)/ETI IJP(C) DS/JD/RM/JN

ACC NR: AP6032573

SOURCE CODE: BU/0011/65/018/012/1127/1128

AUTHOR: Pentscheff, N. P.; Evtimova, B.

ORG: Faculty of Chemistry, Sofia University

B  
37

TITLE: Separation of aluminum from chromium by ion-exchange chromatography

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 12, 1965, 1127-1128

TOPIC TAGS: ion exchange chromatography, chemical separation, chromium, aluminum, quantitative analysis, ion exchange resin/KPS-200 ion exchange resin

ABSTRACT: The difficulties encountered during the separation of aluminum from chromium during quantitative analyses are surveyed. To improve the separation results of ion exchange chromatography, the authors carried out numerous tests in search of optimum conditions for the process in KPS-200 cationite ion exchanger. The results are tabulated with detailed instructions for optimum separation. Orig. art. has: 1 table. [Orig. art. in German.] [JPRS: 36,464]

SUB CODE: 07 / SUEM DATE: 03Sep65 / ORIG REF: 002 / OTH REF: 001

Card 1/1 *ejk*

0919 2425

EXCEPPTA MEDICA Sec 17 Vol 5/10 Public Health Oct 59

3060. EPIDEMIC GOITRE IN BULGARIA ACCORDING TO THE MATERIAL GATHERED FROM A MASS EXAMINATION OF SCHOOLCHILDREN (Bulgarian text) - Pentshev I., Varbanov V., Papazov G., Dishliev D. and Staykov T. Sci. Group of Endocrinol. and Dis. of Metab., Postgrad. Med. Training Inst., Sofia - SAVR. MED. 1958, 9/8 (3-18) Graphs 1 Tables 12 Illus. 2

Mass examination for goitre carried out on 971,864 schoolchildren from 4,036 populated centres in the country showed that 32 counties as a whole or in part of their territory had endemic goitre, in 12 of these counties the endemic being relatively severe. A population of 1,600,000 people lives within the regions affected by endemic goitre. Six large endemic regions are recognized geographically. They are situated around the high mountains in the country. The valley and coastal regions are not affected, with the exception of a few small foci and isolated endemic centres. The wide-spread endemic goitre makes preventive and therapeutic measures absolutely necessary: mass and group iodine prophylaxis as well as extension and improvement of the quality of treatment. Endocrinological offices should be established in the endemic regions. More research is necessary.

K

Country : USSR  
Category: Forestry. Forest Cultures  
Abs Jour: RZhBiol., No 12, 1958, No 53476  
Author : Pentskhava, A.D.  
Inst : Forest Inst Georgian SSR  
Title : A Study of the Bio-Ecological Properties of the Seeds  
of Some Xerophyte Woody species.  
Orig Pub: Tr In-ta lesa. AN GruzSSR, 1957, 7, 257-285

Abstract: This article gives the results of an experimental study of the seeds of *Cornus mas*, *Juniperus retescens*, *Amygdalus communis*, *Celtis caucasica*, *Ziziphus jujub*, *Pistacia tatica* and *Alaëgnus angustifolia*. The study describes the peculiarities of the rest period of the seeds, the character of germination, fluctuations in germination, the periods of germina-

Card : 1/2

K-22

DROGICHINA, E.A., doktor med. nauk; KEVORK'YAN, A.A., prof.; LUR'YE, Z.L., prof.; LISITSA, F.M., dotsent; PENTSIK, A.S., prof.; PESHKOVSKIY, G.V., prof.; SHAKHNOVICH, R.A., prof.; DAVIDENKOV, S.N., prof., otv. red.; BOGOLEPOV, N.K., prof., zam. otv. red.;

[Multivolume manual on neurology]Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz. Vol.3. Book 2.[Infectious and topic diseases of the nervous system]Infektsionnye i toksicheskie bolezni nervnoi sistemy. 1962. 524 p. (MIRA 15:11)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Davidenkov).

(NERVOUS SYSTEM--DISEASES)

PENTSIK, A. S., PROF

PA 14/49T72

USSR/Medicine - Disease                      May/June 48  
Medicine - Literature, Medical

"Review of 'Notes on the Clinical Neurology of  
Tropical Diseases' by Prof M. N. Neyding," Prof  
A. S. Pentsik, 3/4 p

"Nevropatol i Psikhiat" Vol XVII, No 3

Favorable review of above book. Published in  
1947, 63 pages.

14/49T72



PENTSIK, A.S., Prof.

PA 23/49T84

USSR/Medicine - Encephalitis,  
Hemorrhagic  
Medicine - Meningitis

Sep/Oct 48

"Hemorrhagic Meningocephalitis in Tadzhikistan,"  
Docent F. M. Lisitsa, Prof A. S. Pentsik,  
Clinic of Nervous Diseases, Tadzhik Med Inst,  
4 3/4 pp

"Nevropatol i Psikhiat" Vol XVII, No 5

Presents results of 1941-1946 investigations.  
Submitted 12 Apr 48.

FDB

23/49T84

PENTSIK, A.S.

Endemic peculiarities of acute poliomyelitis. *Pediatrics*, Moskva No.1:  
61-63 Jan-Feb 52. (CML 21:4)

1. Professor. 2. Head of the Department of Nervous Diseases, Stalinabad  
Medical Institute, Stalinabad, Tadzhik SSR.

PENTSIK, A.S.

Study of conditioned reflexes in the neurological clinic. Trudy  
(MLRA 9:8)  
AN Tadzh.SSR 32:3-10 '56.

1. Iz kafedry nervnykh bolezney (sav. sazl. deyat. nauki Tadzhikskoy  
SSR, prof. A.S.Pentsik) Stalinabadskogo gosudarstvennogo meditsin-  
skogo insituta imeni Abuali ibn Siny (dir. ch.-korr. AN Tadzhikskoy  
SSR Ya.A.Rakhimov)  
(CONDITIONED RESPONSE) (EPILEPSY) (HYPERTENSION)

PENTSIK, A.S. (Stalinabad)

Use of radioisotopes with tumors of the nervous system; review of  
foreign literature. Zhur.nevr. i psikh. 56 no.4:352-356 '56.  
(MLRA 9:7)

(NERVOUS SYSTEM, neoplasms,  
diag. & ther. use of isotopes, review (Rus))

(ISOTOPES,  
nervous system neoplasms diag. & ther., review (Rus))

PENTSİK, A.S.

Electroencephalogram in multiple sclerosis. Zh. nevropat. psikiat. Korsakov 63 no.3:352-356 '63 (MIRA 17:1)

1. Kafedra nervnykh bolezney (zav. - prof. A.S. Pentsik) Rishskogo meditsinskogo instituta.

PENTSIK, A.S.; PRINTSE, R.Ya.; APINIS, V.K. (Riga)

A case of "Fahr's disease." Vop.neirokhir. 25 no.3:56-58  
My-Je '61. (MIRA 14:5)

1. Klinika nervnykh bolezney Rzhskogo meditsinskogo instituta.  
(CEREBROVASCULAR DISEASES)

PENTSIK, A.S., prof.; LISITSA, F.M., dotsent; PAKALNSH, N.P. (Praga)

Experience in vaccination against poliomeylitis with live atte-  
nuated vaccine. Klin.med. 38 no.9:48-54 S '60. (MIRA 13:11)  
(POLIOMYELITIS)

PENTSIK, A.S., prof.

Treatment of multiple sclerosis. Sov.med. 25 no.2:101-104 F '61.  
(MIRA 14:3)

1. Iz kafedry nervnykh bolezney Rzhskogo meditsinskogo instituta  
(direktor - prof. V.A.Kalberg).  
(MULTIPLE SCLEROSIS)



PENTSİK, A.S., prof.

Urgent problems in multiple sclerosis. Vrach.delo no.7:45-48  
Jl '60. (MIRA 13:7)

1. Kafedra nervnykh bolezney (zav. - prof. A.S. Pentsik) Rish-  
skogo meditsinskogo instituta.  
(MULTIPLE SCLEROSIS)

PENTSIK, A.S., prof.

Neurological symptoms in Botkin's disease. Terap. arkh. 29  
no.5:15-20 My '57. (MIRA 11:4)

1. Iz nevrologicheskoy kliniki Stalinabadskogo meditsinskogo  
instituta.

(HEPATITIS, INFECTIOUS, physiology,  
NS (Rus)

(NERVOUS SYSTEM, in var. dis.  
hepatitis, infect. (Rus)

SHUROV, S.I., obshchiy red.; BLINOVA, N.I., otv.red.; IVANOV, Yu.M., red.  
kart; IGHATENKO, A.N., red.kart; KOLESHNIKOVA, A.G., red.kart;  
LEBEDEVA, S.K., red.kart; PENTSON, Ya.E., red.kart; PERFIL'YEVA,  
N.A., red.kart; SERGEYEVA, S.I., red.kart; SMIRNOVA, A.L., red.  
kart; KHOLODOK, V.D., red.kart; SHURAN, Ye.M., red.kart; KUZNETSOVA,  
O.L., tekhn.red.; LIFSHITS, N.I., tekhn.red.; SKALICHEV, A.T.,  
tekhn.red.

[World atlas] Atlas mira. Moskva, Glav.upr.geodez. i kartografii  
MVD SSSR, 1959. 324 p. (MIRA 12:12)  
(Atlases)

PENTSOV, V.M.; FILIPPOV, A.P.

Passage through the resonance of a nonlinear system with one degree of freedom. Trudy Lab.gidr.mash,AN USSR no.11:34-39 '64.

(MIRA 17:10)

L 04742-67

ACC NR: AP6023322

(A)

SOURCE CODE: UR6114/66/000/004/0038/0040

AUTHOR: Shehegol', A. Ya. (Engineer); Pentsov, V. M. (Engineer)

ORG: none

33  
B

TITLE: Development of an indicator diagram on a "Ural-2" electronic computer

SOURCE: Energomashinostroyeniye, no. 4, 1966, 38-40

TOPIC TAGS: computer application, internal combustion engine

ABSTRACT: The calculations were made for the operation of a Type D70 heat engine. The work was aimed at determination of the following indices of the working process: 1) the temperature in the cylinder during the compression-combustion-expansion period; 2) the heat evolution,  $x_1$ ; 3) the heat loss during the combustion-expansion period,  $W_0$ ; 4) the volume of the cylinder at the end of visible combustion; 5) the coefficient of effective heat evolution,  $\xi$ ; 6) the temperature and the pressure in the cylinder at the end of compression,  $T_c$  and  $p$ ; 7) the pressure and the temperature in the cylinder at the moment when the exhaust valves are opened,  $p_e$  and  $T_e$ . The article gives a detailed block diagram of a program adapted to the "Ural-2" computer. A large number of indicator diagrams were determined by the block diagram

Card 1/2

UDC: 681.142:(084.21).001.24

L 04742-67

ACC NR: AP6023322

shown. The error in the determination of  $V_z$  was not more than 0.5%;  $V_z$  can be calculated to practically any desired degree of accuracy. After determination of  $V_z$ , the time required for calculation of one variant of  $\xi$  was not more than 5 to 8 seconds. The accuracy of the results is stated to be considerably greater than with hand calculations. Orig. art. has: 3 figures.

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 *gd*

PENTSY, J.

Gepeszeti Kezikönyv (Handbook of Mechanical Engineering); a review.p.30.  
MUSZAKI ELET. (Muszaki es Termesztudomanyos Egyesuletok Szovetsege) Budapest.  
Vol 11, no. 6, Mar 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

PENTSY, Jeno

On the eve of the Days of Technical Books, Herea automat 12 no. 9:  
300 164.



KABLUKOVSKIY, A.F.; SIMONOV, V.I.; PENTYAK, V.I.; LAKTIONOV, V.S.

Simultaneous oxidation of carbon and chromium during metal blowing  
with oxygen. Izv. vys. ucheb. zav.; chern. met. 6 no.5:70-75 '63.  
(MIRA 16:7)

1. Zavod "Elektrostal".

(Chromium steel--Electrometallurgy)

(Oxygen--Industrial applications)

PENTYUK, M.V., kand. sel'khoz. nauk; UDOVENKO, Ye.Ya., otv. red.;  
KNYAZEV, N.K., red.; TASHCHEV, Ye.N., red.; SVYADOSTS, Iu.I.,  
red.; SMIRNOV, N.A., red.

[Problems in increasing the number of sheep and the production  
of mutton] Voprosy uvelicheniia pogolov'ia ovets i proizvodstva  
baraniny. Moskva, Vses. nauchno-issl. in-t ekonomiki sel'  
khoz., 1962. 93 p. (MIRA 15:11)

(Sheep)

KOROBENKOV, Semen Vavilovich, agronom-ekonomist ; PEN'TYUKHOV, I.P., red. ;  
PECHERSKAYA, T.I., tekhn. red.

[Economic accountability on the Kirov Collective Farm] Khoziaistven-  
nyi raschet v kolkhoze imeni Kirova. Irkuts, Irkutskoe knizhnoe izd-  
vo, 1960. 65 p. (MIRA 14:9)

1. Kolkhoz im. S.M.Kirova, Usol'skogo rayona, Irkutskoy oblasti  
(for Korobenkov).  
(Usol'ye District--Collective farms--Accounting)

KATANAYEVA, Valentina Petrovna, inzh.; PEN'TYUKHOV, I.P., red.;  
PECHERSKAYA, T.I., tekhn. red.

[Capron in machinery manufacture] Kapron v mashinostroenii.  
Irkuts, Irkutskoe knizhnoe izd-vo, 1961. 39 p.

(MIRA 16:4)

(Nylon) (Machinery industry)