

A. S. WARE, C.; NEVILE, S. [deceased]

The problem of phencyclidine addiction. *Cont. psychiat.* 1965. 61  
no. 6: 411-414. 01 65.

1. Psychiatrická klinika I. katedra fakulty Karlovy University  
v Plzni a Hyžďarovy ústav psychiatrický v Praze.

L 11020-66

ACC NR: AP6004966

SOURCE CODE: CZ/0083/65/000/002/0098/0106

AUTHOR: Nevole, S.; Otterova, M.

ORG: Psychiatric Research Institute, Prague (Vyzkumny ustav psychiatricky);  
Psychiatric Clinic, Faculty of General Medicine, Charles University, Prague  
(Psychiatricka klinika fakulty vseobecneho lekarstvi KU)

TITLE: Dynamics of the visual analysor. III. Reaction time as a function of the  
quality of visual perception analyzed by means of the Rorschach test

SOURCE: Ceskoslovenska psychiatrie, no. 2, 1965, 98-106

TOPIC TAGS: psychology, applied psychology, vision

ABSTRACT: In Rorschach test the speed of reaction is a function of its quality,  
as in the association experiment (Marbe's Law). Quantitative evaluation of the  
Rorschach experiment made it possible to establish a correlation in the visual  
modality, where the quality of the reaction is expressed in sequence scores.  
Increase of the score (reaction is less usual, less adequate, and more illusion-like)  
corresponds to longer reaction time, and vice versa. Orig. art. has: 6 figures  
and 1 table. [JPRS]

SUB CODE: 05 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003

HW  
Card 1/1

NEVOLF S.; OTTEROVA, M. [deceased]

Apropos the dynamics of the visual analyzer. III. Dependency of the reaction times on the quality of visual perception analyzed by the Rorschach test. *Cesk. psychiat.* 61 no.2:98-106 Ap '65

1. Vyzkumny ustav psychiatricky, Praha; Psychiatricka klinika fakulty vseobecneho lekarstvi Karlovy University, Praha.

NEVOLE, S.

On dynamics of the visual analyzer. I. A new quantitative approach to chronological analysis of the development of visual perception by the Rorschach method. Cesk. psychiat. 60 no.5:299-305 (1964).

1. Vyzkumny ustav psychiatricky v Praze.

NEVOLE, S.

Case report contribution to permanent speech disorders in epileptics. Cesk. psychiat. 10 no.2:114-116 Ap'64

1. Psychiatricka lecebna, Dobruany.

\*

NEVOLE, Svetozar

Sexual delinquency in psychiatric patients treated in Dobranech  
from 1954-1959. *Gesk. psychiat.* 48 no.1:17-20 F '62.

1. Psychiatricka lecebna v Dobranech.  
(MENTAL DISORDERS statist.) (SEX BEHAVIOR statist.)

NEVOLE, Svetozar

On the method of suicidal attempts (On an analysis of 2047 suicide cases). Cas.lak.cesk 100 no.38/39:1213-1221 29 S '61.

1. Psychiatricka lecebna Dobruhy, reditel dr. J. Nemecak.

(SUICIDE statist)

NEVOLE, Svetozar

Protective treatment of nonalcoholics in the Dobransky mental hospital from 1954 to 1959. Cesk. psychiat. 57 no.3:181-185 '61.

1. Psychiatricka lecebna v Dobranech.  
(MENTAL DISORDERS ther.)



NEVOLLÉ, Svatopluk

Mortality of mental patients in a hospital in Dobruška. Cesk.  
psychiat. 56 no. 6: 374-385 D '60.

1. Psychiatrická léčebna, Dobruška.  
(MENTAL DISORDERS statist)  
(MORTALITY)

NEVOLA, Svetozar

On relapse of hospitalized psychotic patients. Cesk. psychiat.  
56 no.3:153-166 Je '60.

1. Psychiatricka lecebna v Dobranech.  
(PSYCHOSES ther.)

NEVCLF, Svetozar

Contribution to citation and knowledge of domestic psychiatric literature. Cesk.psychiat. 55 no.6:408-409 D 159.

1. Ustav pro zdravotnickou dokumentaci, Praha.  
(PSYCHIATRY)  
(BIBLIOGRAPHY)

**NEVOLA, Svetozar**

Census of the Dobruany psychiatric hospital; its contribution and value. Czech. psychiat. 55 no.2:82-89 Apr 59.

1. Psychiatricka lecebna v Dobruanech.  
(HOSPITALS, PSYCHIATRIC,  
census of Czech. psychiatric hosp. (Cz))

NEVOLE, Svetožar

Problem of marital dysharmony from the viewpoint of psychiatric statistics.  
Cesk. psychiat. 53 no.5:322-328 Oct 57.

*Psychiatrie Dobřanec*  
1. Psychiatrická léčebna v Dobřanech.

(DIVORCE, statist.

relation to indic. of ment. disord. (Cz))

(MENTAL DISORDERS, statist.

in relation to divorces (Cz))

*Psychiatrie Dobřanec*  
*Dobřanec (T Piece 1)*

*4 30*  
*Doc. in Library, Vol. 5, 59 60, P. 32, Jan.*  
*(M. Dobřanec)*

EXCERPTA MEDICA Sec.3 Vol.10/8 Neurology, etc. Aug 57  
NEUROSES

3674. NEVOLE S, Psychiat. Léc., Dobfany. \*O účinnou prevenci endogenních psychos. The possibility of effective prevention of endogenous psychoses CAS. LÉK. ČES. 1956, 95/41 (1139-1141)  
In the search of effective preventive measures against 'endogenous' psychotic diseases, both hereditary factors and the influence of environment should be taken into account. The detection of hereditary factors should, of course, not lead to cessation of investigations in other directions. It is possible that a hereditary predisposition to certain mental diseases is based on the tendency to abnormal metabolic processes in the mother during the embryonic stage of the acutely ill patient. In these questions, the co-operation of gynaecologists and other non-psychiatrists, and also statistical investigations of definitely recorded data of the past history may be of value. The foundation of a central bureau for Psychiatric Genetics and Statistics, and the introduction of a uniform detailed scheme for psychiatric case histories are proposed.  
Freund - Prague

NEVOLE, Svetozar, Dr. Doc

Dynamics of visual analyser; time analysis of the genesis of visual perception with Rorschach method. Neur. psychiat. cesk. 18 no.1: 40-51 Feb 55.

1. Z psychiatricke kliniky K.U. v Praze (predn. prof. Dr. Zl.Myslivecek)  
(VISION  
analyser, Rorschach test of visual perception)  
(RORSCHACH TEST  
visual perception, time analysis)

NEVOLE, S.;RUZICKA, K.

Medical documentation in the Czechoslovak Republic. Polski  
tygod. lek. 6 no. 39:1282-1284 24 Sept. 1951. (CLML 21:3)

1. Of the Center of Medical Documentation in Prague.



NEVOLD, SVETOSAR

②

✓ Navro, Svetozar, and Ruzicka, Karel: Bibliographia  
Medica Cechoslovaca. Vol. I. 1947. 491 pp. 1949.  
Vol. II. 1948. 639 pp. 1950. Prague: Centrum Docu-  
mentationis Med.

ZAK, Rudolf; NEVOLE, Milan

Appendicial peritonitis in children up to 2 years of age. Cesk. pediat.  
16 no.12:1064-1069 D '61.

1. Chirurgické oddelení nemocnice v Dacicích, predn. MUDr. Rudolf Zak  
Dětské oddelení nemocnice v Dacicích, predn. MUDr. Jaroslav Čermák.

(APPENDICITIS in inf & child)  
(PERITONITIS in inf & child)

NEVLE, Jiri, inz.

Problems of the economical use of energy. *Prorgotizatsiya* 12:11  
no.2:80 F '65.

1. Central Administration of Power Engineering, Prague.

NEVOLE, Jiri, inz.

Reduction of losses in the transfer and distribution increases  
the useful consumption of electric power. Energetika Cz 13  
no.10:539-540 0 '63.

1. Ustredni sprava energetiky, Praha.

NEVOLE, Jiri, inz.

For the maximum saving of electric power. Energetika Cz 13 no.3:  
147-148 Mr '63.

1. Ustredni sprava energetiky.

NEVOLE, Jiri, inz.

The effect of the introduction of daylight saving time on the operation of electrical works. Energetika Cz 12 no.11:612 N '62.

1. Ministerstvo paliv a energetiky.

NEVOLE, Jiri, inz.

Rationalization of the electric power consumption in households.  
Energetika Cz 12 no.7:353-355 J1 '62.

1. Ministerstvo paliv a energetiky.

NEVOLE, Jiri, inz.

Electric power consumption per head and the rationalization of consumption. Energetika Cz 11 no.11:547-549 N '61.

(Electric power)



NEVOLE, Jiri, inz.

Effect of shorter working time and increased power load variations  
on the operation of a power system. Energetika Cz 11 no.5:241-244  
My '61.

NEWBLE, J.

"Senior Lines of British Intelligence - 1950-1955."

p. 30 (Secretaria, Vol. 2, no. 6, June 1972, London, Great Britain, 1972)

Monthly Index of East European Communism (Int'l Ed.), Vol. 2, no. 1, December 1971.

NEVCI, J.

Automation of small hydraulic power plant in the electric power distribution system at Liberec.

p. 473 (Energetika. Vol. 7, no. 9, Sept. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (MIA) W. Vol. 7, no. 2,  
February 1958

NEJEDLE, J.

The reconstruction of the municipal distribution system in Literec and Jastronec.

p. 354 (ENERGETIKA) Vol. 6, no. 8, Aug. 1956,  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

Nevole, J.

Reducing losses in distribution systems. p. 174. *ENERGETIKA*.  
(Ministerstvo paliv a energetiky. Hlavni sprava elektrarn)  
Praha. Vol. 6, no. 4, Apr. 1956.

Source: EPAL LC Vol. 5, No. 10 Oct. 1956

NEVOLE, J.

Fuel Abstracts  
Vol. 15 No. 3  
Mar. 1964  
Steam Raising and  
Steam Engines

2351. AUTOMATICALLY OPERATED STEAM ENGINE. Nevole, J. *ibid.* 15:3:235-236, 1964. 2p. Includes 1 photo. and dense graphic pressure diagram and their location. Taken from the Klement Gottwald works, Brno, Czechoslovakia. A system of automatic pressure turbines is indicated. (L)

NEVOLE, Jaromir; inz.

Economy of feeds and waste materials. Prum potravin 14  
no.5:249 My '63.

1. Statni planovaci komise, Praha.

NEVODOVSKIY, G. S.

Botany

DECEASED

C. '61

1964



NEVODNICHY, N. N.

FD 410

USSR/Physics - Beta-spectrometer

Card 1/1

Author : Kel'man, V. M., Dusayev, G. S., Malkiel', G. S., and Nevodnichy, N. N.

Title : Beta-spectrometer with magnetic prism and one magnetic lens

Periodical : Zhur. eksp. i teor. fiz. 26, 107-108, Jan 1954

Abstract : Describes the construction and testing of a beta-spectrometer similar to an optical prismatic spectrometer with one lens. Follow the principles of construction discussed by V. M. Kel'man and D. L. Karinskiy in their work appearing in this journal (Vol 21, 555, 1951)

Institution : Leningrad Physicotechnical Institute, Acad Sci USSR

Submitted : November 5, 1951

L 22262-66

ACC NR: AR6005175

SOURCE CODE: UR/0058/65/000/009/A016/A013

AUTHORS: Nevodnichanskiy, G.; Mel'zatskiy, K.; Petrushka, Y.; Pilyayeva, Y.

TITLE: Photoelectric spectrometer 10

SOURCE: Ref. zh. Fizika, Abs. 9A148

REF. SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 2, vyp. 1, 1964, 665-669

TOPIC TAGS: spectrometer, photoelectric method, spectral line, line intensity/KS-35 spectrometer

TRANSLATION: Apparatus has been developed, capable of recording the time variation of the intensities of two spectral lines arbitrarily selected from the spectrum obtained with a type-E478 Hilger spectrograph or a type KS-55<sup>10</sup> spectrograph, and of automatically recording the spectrum of a continuous source of radiation. Two entrance slits separate two arbitrary spectral lines. A system of light pipes guides the radiation flux from the slits to the cathodes of two photomultipliers. The slits can be moved with the aid of two micrometer screws. One of them is driven by a synchronous motor. The spectrum is automatically recorded by using a second synchronous motor. The apparatus can be attached to the spectrograph without any supplementary changes in their construction.

SUB CODE: 20

Card 1/1 not

9198-66 ERT(L) WJ(a) 09

ACC NR: AR6000103

SOURCE CODE: UR/0058/65/000/008/A016/A016

SOURCE: Ref. zh. Fizika, Abs. 6A151

62

AUTHORS: Les', F.; Nevodnichanskiy, G.

13

ORG: none

TITLE: Use of dielectric coatings in ultraviolet spectroscopy of high resolution

CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 2, vyp. 1, 1964, 605-618

TOPIC TAGS: UV spectroscopy, dielectric coating, optic resolution; UV optic material, interferometer

TRANSLATION: A vacuum system was constructed for obtaining semitransparent dielectric and metal-dielectric mirrors with interference control of the optical thickness of the layer during the time of operation. A method was developed for obtaining metal-dielectric mirrors for Fabry-Perot interferometers, having favorable optical parameters in the ultraviolet region. With the aid of the prepared interferometers the authors measured the isotopic shifts in several ultraviolet lines of Cd II and Zn II and the electric quadrupole moments of the stable isotopes Sb<sup>121</sup> and Sb<sup>123</sup>.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

Card 1/1 *ads*

2

I 22199-66 INF(t) IJP(c) JD  
ACC NR: AP6011167

SOURCE CODE: FO/0046/65/010/011/0675/0080

AUTHOR: Dziunikowski, Bohdan--Dzyunikovski, B.; Niewodniczanski, Jerzy--  
Nevodnichan'ski, Ju. 29  
13

ORG: Institute of Nuclear Techniques, Academy of Mining and Metallurgy, Krakow

TITLE: Debalancing of differential x-ray filters

SOURCE: Nukleonika, v. 10, no. 11, 1965, 675-680

TOPIC TAGS: x ray filter, fluorescence, copper, iron

ABSTRACT: The effect of debalancing of the differential Ross filters due to the variation of the disturbing element contents is considered. This effect was observed in the case of the fluorescence determination of copper in ore samples containing different admixtures of iron. A physical explanation of this effect, confirmed by experimental results, is given. The authors thank Professor L. Jurkiewicz, Doctor, Head of the Institute of Nuclear Techniques, Academy of Mining and Metallurgy, Krakow, for his interest in this work. Orig. art. has: 5 figures and 8 formulas.  
[NA]

SUB CODE: 18, 11 / SUBM DATE: 02Oct64 / OTH REF: 004

Card 1/1 BK

2

NEVODCHIKOVA, I.B.

Relief map of the mountainous part of the Pitnyak  
region. Izv. Ak. Nauk. SSSR. Ser. Fiz.-Mat. Nauk. i Geol. Nauk  
no. 6:72-79. '84. (MIRA 18:4)

1. Tsentral'naya kompleksnaya tematicheskaya ekspeditsiya  
Upravleniya geologii i okhrany nedr pri Sovete Ministrov  
Tatarskoy SSSR.

KRYZHANOVSKIY, G.N.; LOMAN, K.M.; D'YAKONOVA, M.V.; NEVITSKIY, L.A.  
(Moskva)

Use of antitetanus serum in treating tetanus. Klin. no. 3:  
18-75 '62. (MIRA 1962)

1. Iz laboratorii infektsionnoy patologii (zav. - chlen-korres-  
pondent AMN SSSR prof. A.Ya. Alymov) Instituta normal'noy i  
patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR  
prof. V.V. Parin) AMN SSSR i kafedry infektsionnykh bolezney  
(zav. - deystvitel'nyy chlen AMN SSSR prof. A.F. Illitin) II Mosk-  
vskogo meditsinskogo instituta.  
(TETANUS) (TETANUS ANITOXIN)

ILLEGIBLE

NEVMOVAKA, G.A.

Eighth Scientific Conference, dedicated to the memory of  
Academician A.A. Zavarzin. *Citologia* 7 no.5:697-700  
S-0 '65. (MIRA 18:12)



NEVMYVAKA, G.A.

Should the giant fibers of the brain in Annelida be considered neural formations. Fiziol. zhur. 47 no.9:1199-1204 S '61. (MIRA 14:9)

1. From the Department of Histology, Medical Institute, Perm. (BRAIN)

NEVMYVAKA, G.A.

Role of vegetative nerves in the innervation of somatic muscles in  
Annelida. Dokl.AN SSSR 110 no.5:855-857 0 '56. (MIRA 10:1)

1. Molotovskiy gosudarstvennyy meditsinskiy institut. Predstavleno  
akademikom L.A.Orbeli.  
(ANNELIDA) (MUSCLE-INNervation)

1. NEVMYVAKA, G. A.
2. USSR (600)
4. Annelida
7. Innervation of the excretory apparatus in Annelida. Dokl.AN SSSR 87 no. 6 1952

9. Monthly List of Russian Acquisitions, Library of Congress, March 1953, Unclassified.

NEVATYANKA, G. A.

28086 NEVATYANKA, G. A. K sravnitel'noy plastologii nervnoy sistemy. Prilozhenie  
vezh. zhurnala. Trudy Akad. Nauk SSSR, t. III, 1958, S. 133-16.

SO: Letopis, No. 32, 1946.

NEVMOVAKA, G. A.

Mem., Institute of Experimental Medicine, Leningrad

"The Abdominal Brain of the Rain Worm *Alloloborhora Calliginosa*,"  
Dok. AN, 58, No. 7, 1949

"Innervation of the Intestine in the Rain Worm *Alloloborhora*  
*Calliginosa*," Dok. AN, 56, No. 5, 1947

"Innervation of the Bristles of the Rain Worm *Alloloborhora*  
*Calliginosa*," Dok. AN, 56, No. 4, 1947

TREKALO, S.K.; YAKUBTSINER, N.M.; ANDRONOV, V.N.; GRIGOR'YEVYKH, G.F.;  
KAYLOV, V.D.; SHUR, A.B.: v rabote prinimali uchastiye:  
NEVMERZHITSKIY, Ye.V.; SHOLENINOV, V.M.; VITOVSKIY, V.M.;  
GRINBERG, D.L.; GUTMAN, E.Ye.; YEGOROV, N.D.

Open-hearth furnace operations with classified sinter. Stal'  
20 no. 12:1063-1070 D '60. (MIRA 13:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut Chernoy  
metallurgii i Cherepovetskiy metallurgicheskiy zavod.  
(Blast furnaces) (Sintering)

The Practice of Producing Sinter of  
Increased Basicity When Sintering Fine  
Beneficiated Ore

78176  
304/155-00-5-1/24

Fig. 1. Schematic diagram of equipment at the Cherepovets sintering plant. (a) Ground type, roofed storehouse of beneficiated ore; (b) coke crushing building; (c) conveyors into charge building; (d) limestone crushing building; (e) conveyors into sintering building; (f) car dumper; (g) sintering building; (h) three-stage type slates coolers (the third cooler is equipped with cooling blowers, battery of cyclones); (i) conveyors into primary mixing building; (j) conveyors from coke crushing building; (k) charge building; (l) plate beam transport.

Card 1/6





ILLEGIBLE



The Practice of Producing Sinter of  
Increased Basicity When Sintering Fine  
Beneficiated Ore

78.70  
307/133-00 3/1/60

than other furnaces in the USSR. Described are: characteristics of raw materials and their preparation for sintering; Olenogorsk (not identified) beneficiated ore; pyrite clodens; limestone; coke fines; and other admixtures, as well as the work of sintering plant and the quality of sinter; operation of the equipment and technical-economical characteristics of the sintering plant work. The cost of sinter, considerably lowered since 1956, (125-127 rubles/ton) and processing (about 15 rubles/ton) is still expensive compared with Southern plants (48-55 rubles/ton for sintering; 5-10 rubles for processing). This is explained by: (a) higher cost of Olenogorsk beneficiated ore (107 rubles/ton) as against that of Krivoy Rog beneficiated ore (30 rubles/ton); (b) high power cost due to unfinished construction of the plant and overequipment of sintering plant with electrical machinery; (c) expensive repairs of new equipment (ring type coolers of sinter, conveying of sinter into blast furnace stop, etc.) and purchase

Card 2/6

18.2000

78170  
SOV/133-90-2-172

**AUTHORS:** Yakubtsiner, N. M., Nemerzhitskiy, Ye. V.,  
Grigor'yevykh, G. F.

**TITLE:** The Practice of Producing Sinter of Increased Basicity  
When Sintering Fine Beneficiated Ore

**PERIODICAL:** Stal', 1960, Nr 3, pp 193-203 (USSR)

**ABSTRACT:** This is a description of a successful production of  
increased basicity sinter at the Cherepovets Metallurgical  
Plant (Cherepovetskiy metallurgicheskiy zavod). The  
described sintering plant is equipped with sinter-  
ing machines which were put into operation in June  
1955 and April and December 1956, respectively (see  
Fig. 1). In the first few months the plant produced  
nonfluxed sinter, or sinter with the degree of basicity  
( $CaO : SiO_2$ ) not higher than 0.5; but since the end of  
1955 the plant has been producing sinter of 1.15-1.20  
basicity. Working on such sinter, the plant's blast  
furnaces had better results (regarding coke consumption)

Card 1/6

NEVMERZHITSKIY, V.I., inzh.; SAKHNOVSKIY, N.L., inzh.

Prevention of the disconnection of generators due to faults  
in the control buttons of shunt rheostat motors. Elek. eng.  
35 no.10:87 9'64. (MIRA 17:12)

DUB, B.P., inzh.; KOSAK, D.M., inzh.; NEVNERZHIISKIY, V.I., inzh.

Portable small-sized devices for adjusting frequency and power regulators. Elek. sta. 35 no.6:86-87 Je '64.

(MIRA 18:1)

NEVMERZHITSKAYA, Z.M.; KUROCHKA, V.P.

Formation of structures of the Pripet Depression in the Permian and the Triassic. Dokl. AN BSSR 6 no.3:181-184 Kr '62. (MIRA 1513)

1. Institut geologicheskikh nauk AN BSSR. Predstavleno akademikom AN BSSR K.I.Lukashevym.

(Pripet Valley--Geology, Structural)

NEVMERZHITSKAYA, Z.M.

Age of the Korenevskaya series in the Pripet Depression. Dokl.  
AN BSSR 6 no.2:113-116 F '62. (MIRA 15:2)

1. Institut geologicheskikh nauk AN BSSR. Predstavleno  
akademikom AN BSSR K.I.Lukashevym.  
(Pripet Valley--Geology, Stratigraphic)



GOLUBTSOV, V.K.; NEVMERZHITSKAYA, Z.M.

Recent data on sediments of the Chernigov series of the lower Permian in the southeastern part of the Pripet fault. Dokl. AN BSSR 5 no. 2:81-85 F '61. (MIRA 14:2)

1. Institut geologicheskikh nauk AN BSSR. Predstavleno akademikom AN BSSR G.V. Borgomolovym. (Pripet Valley--Geology, Stratigraphic)

NevmertzhiTskaYa, Z.M.

3(6) PAGE 1 BOOK REVOLUTION SOV/2077

Atakadya nam Belorusskoy SSR, Minsk. Institut geologicheskikh nauk  
Trudy, 77: 1 (Transactions of the Institute of Geological Sciences of the  
Belorussian SSR Academy of Sciences) Pt. 1. Minsk, 1968. 227 p. 700 copies  
printed. Errata slip inserted.

Editorial Board: A.N. Avramits'yy, A.V. Puzenko, and V.M. Shcherbinin;  
M.A. of Publishing House: Ye. G. Barabashov, Tech. Ed.: I. Polubanovich.

NOTE: This issue of the Institute's Transactions is intended for geologists  
interested in both the physical and historical geology of Belorussia.  
COVERAGE: This collection of articles on the geology of Belorussia has been  
prepared by members of that republic's scientific institutions. Papers  
discuss the prospects of future development of Belorussia's coal, oil,  
geophysical studies, problems in the petrography of sedimentary rocks, and  
questions in paleontology and hydrogeology. Among the papers on historical  
geology are a study of the development of Foraminifera and one on spore-pollen  
analysis of lower Carboniferous horizons. References accompany each article.

Transactions of the Institute (Doct.)	207,2077
Kaluzhnevich, I.A. Classification of Gravitational and Magnetic Anomalies	106
NevmertzhiTskaYa, Z.M. The Lithologic-Mineralogic Characteristics of the Permian-Triassic Deposits in the Region of Givnichy Grad Village	119
Shcherbinin, V.M. A Method of Mass Determination of the Carbon Dioxide Content of Sedimentary Rocks	131
Lavrov, A.P. An Experimental Study of the Aqueous Properties of Porous Mineral and Organic Deposits in Areas of Excessive Humidity in the Western Part of the Russian Platform	145
Shvachenko, T.A. Authigenic Formations on Quartz and Feldspar Grains in Siliceous and Lower-Permian Terrigenous Deposits of the Pripyat'ly Basin	166
Kuroshin, V.F. "Gallunite" in the Phosphorite-containing Argillites of the East Paleozoic of the Fildnestrov'sys	171

NEVMERZHITSKAYA, E.A.; BELYAYEVA, A.N.; SHIROTSKAYA, V.A.; LEVINYANINA, I.A.

Studying the composition of gas from methane electrocracking.  
Khim. prom. 41 no. 12:895-896 1965 (MIR: 19-1)

NEVLER, Ye.G., inzh.

Modernizing the electric diagram of the A-537 semiautomatic machine. Svar. proizv. no. 3:43-44 Ag '63. (MIRA 17:1)

E. Kamenevskiy. Kuzbasselektromotor".

NEVLER, V.Ye., kand.istor.nauk

Unknown letter; on the occasion of the 150th birthday of N.I.  
Pirogov. Nauka i zhizn' 27 no.12:48 D '60. (MIRA 13:12)  
(Pirogov, Nikolai Ivanovich, 1810-1881)  
(Garibaldi, Giuseppe, 1807-1882)

NW107, V. 1, caption

For an illustration captioned "of shaded regions, W. 10, rest, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 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8410, 8420, 8430, 8440, 8450, 8460, 8470, 8480, 8490, 8500, 8510, 8520, 8530, 8540, 8550, 8560, 8570, 8580, 8590, 8600, 8610, 8620, 8630, 8640, 8650, 8660, 8670, 8680, 8690, 8700, 8710, 8720, 8730, 8740, 8750, 8760, 8770, 8780, 8790, 8800, 8810, 8820, 8830, 8840, 8850, 8860, 8870, 8880, 8890, 8900, 8910, 8920, 8930, 8940, 8950, 8960, 8970, 8980, 8990, 9000, 9010, 9020, 9030, 9040, 9050, 9060, 9070, 9080, 9090, 9100, 9110, 9120, 9130, 9140, 9150, 9160, 9170, 9180, 9190, 9200, 9210, 9220, 9230, 9240, 9250, 9260, 9270, 9280, 9290, 9300, 9310, 9320, 9330, 9340, 9350, 9360, 9370, 9380, 9390, 9400, 9410, 9420, 9430, 9440, 9450, 9460, 9470, 9480, 9490, 9500, 9510, 9520, 9530, 9540, 9550, 9560, 9570, 9580, 9590, 9600, 9610, 9620, 9630, 9640, 9650, 9660, 9670, 9680, 9690, 9700, 9710, 9720, 9730, 9740, 9750, 9760, 9770, 9780, 9790, 9800, 9810, 9820, 9830, 9840, 9850, 9860, 9870, 9880, 9890, 9900, 9910, 9920, 9930, 9940, 9950, 9960, 9970, 9980, 9990, 10000, 10010, 10020, 10030, 10040, 10050, 10060, 10070, 10080, 10090, 10100, 10110, 10120, 10130, 10140, 10150, 10160, 10170, 10180, 10190, 10200, 10210, 10220, 10230, 10240, 10250, 10260, 10270, 10280, 10290, 10300, 10310, 10320, 10330, 10340, 10350, 10360, 10370, 10380, 10390, 10400, 10410, 10420, 10430, 10440, 10450, 10460, 10470, 10480, 10490, 10500, 10510, 10520, 10530, 10540, 10550, 10560, 10570, 10580, 10590, 10600, 10610, 10620, 10630, 10640, 10650, 10660, 10670, 10680, 10690, 10700, 10710, 10720, 10730, 10740, 10750, 10760, 10770, 10780, 10790, 10800, 10810, 10820, 10830, 10840, 10850, 10860, 10870, 10880, 10890, 10900, 10910, 10920, 10930, 10940, 10950, 10960, 10970, 10980, 10990, 11000, 11010, 11020, 11030, 11040, 11050, 11060, 11070, 11080, 11090, 11100, 11110, 11120, 11130, 11140, 11150, 11160, 11170, 11180, 11190, 11200, 11210, 11220, 11230, 11240, 11250, 11260, 11270, 11280, 11290, 11300, 11310, 11320, 11330, 11340, 11350, 11360, 11370, 11380, 11390, 11400, 11410, 11420, 11430, 11440, 11450, 11460, 11470, 11480, 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17210, 17220, 17230, 17240, 17250, 17260, 17270, 17280, 17290, 17300, 17310, 17320, 17330, 17340, 17350, 17360, 17370, 17380, 17390, 17400, 17410, 17420, 17430, 17440, 17450, 17460, 17470, 17480, 17490, 17500, 17510, 17520, 17530, 17540, 17550, 17560, 17570, 17580, 17590, 17600, 17610, 17620, 17630, 17640, 17650, 17660, 17670, 17680, 17690, 17700, 17710, 17720, 17730, 17740, 17750, 17760, 17770, 17780, 17790, 17800, 17810, 17820, 17830, 17840, 17850, 17860, 17870, 17880, 17890, 17900, 17910, 17920, 17930, 17940, 17950, 17960, 17970, 17980, 17990, 18000, 18010, 18020, 18030, 18040, 18050, 18060, 18070, 18080, 18090, 18100, 18110, 18120, 18130, 18140, 18150, 18160, 18170, 18180, 18190, 18200, 18210, 18220, 18230, 18240, 18250, 18260, 18270, 18280, 18290, 18300, 18310, 18320, 18330, 18340, 18350, 18360, 18370, 18380, 18390, 18400, 18410, 18420, 18430, 18440, 18450, 18460, 18470, 18480, 18490, 18500, 18510, 18520, 18530, 18540, 18550, 18560, 18570, 18580, 18590, 18600, 18610, 18620, 18630, 18640, 18650, 18660, 18670, 18680, 18690, 18700, 18710, 18720, 18730, 18740, 18750, 18760, 18770, 18780, 18790, 18800, 18810, 18820, 18830, 18840, 18850, 18860, 18870, 18880, 18890, 18900, 18910, 18920, 18930, 18940, 18950, 18960, 18970, 18980, 18990, 19000, 19010, 19020, 19030, 19040, 190

ZABUSOV, M., podpolkovnik; NEVLER, V., kapitan

How we prepare the relief for drivers of stream-crossing and  
landing craft. Voen. vest. 42 no.11:88-89 N '62. (MIRA 16:10)

(Stream crossing, Military)

*NEVLER, Kh.*  
NEVLER, Kh., starshiy leytenant.

An honorable profession. Voen.-inzh. zhur. 101 no.10:41 0 '57.  
(Soldiers) (MIRA 10:11)



STRUGACHEV, A.A.; NEVLER, I.F.

Automatic line for press fitting a rim on the LBS9 flywheel.  
Bul. tekhn.-ekon. inform. Gos. nauka. i tekhn. inform. 17 no.2:  
31-32 '64. (MIRA 17:6)

USSR/Microbiology. General Microbiology.

F-1

Abs Jour: Ref. Zhur.-Biol., No 7, 1958, 28910.

immunogenicity of microbial suspensions was higher than that of a formalinized vaccine. However, when irradiated with large dosages -- up to 20 mcd -- the immunogenicity diminished (a radon dosage of 2 mcd at an  $\alpha$ -,  $\beta$ -, and  $\gamma$ - irradiation was bactericidal to dysentery bacilli). Experiments on passive immunization showed that irradiated suspensions of Shiga bacilli are more immunogenic than Hiss-Flexner bacilli. Resistance of mice to Shiga bacilli after immunization by an irradiated divaccine (?) proved to be higher than in those immunized by a dianavaccine (?), but both vaccines were equally valuable for Hiss-Flexner bacilli. In experiments of passive immunization a rabbit serum immunized by irradiated divaccine proved somewhat more effective

Card : 3/4

12

Inst : Not given.  
Title : Effect of Radiation Energy on the Antigen Structure of  
the Microbial Cell.

Orig Pub: Vliyanie luchistoy energii na antigennuyu strukturu  
mikrobnoy kletki.  
V sb.: Vopr. radiobiologii, L., 1956, 256-267.

Abstract: Suspensions of typhoid and Breslau bacteria (30-40  
billion per ml of physiological solution) were irra-  
diated by different doses of radon (1-160 mcd).  
Irradiation with increased radon dosages diminished  
the agglutinability of suspensions. By the applica-  
tion of H-, O- and OH-sera, it was established that

Card : 1/4

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and non-irradiated bacterial suspensions  
as well as the non-irradiated bacterial suspensions  
caused formation of antibodies of the same titer. Sus-  
pensions of Shiga dysentery bacilli, radon-irradiated  
by a dose of 4.2 mcd and higher, were found to be less  
toxic than formalinized vaccine. The immunogenicity  
of irradiated dysentery bacilli suspensions depends on  
the irradiation dosage. When acted on by  $\alpha$ ,  $\beta$ ,  
and  $\gamma$  - radon rays at a dosage of 2.6 - 5.0 mcd, the

Card : 2/4

VEDVA

FUNSHTEYN, L.V., doktor meditsinskikh nauk; MEVLER, A., kandidat biologicheskikh nauk

Use of an electron microscope for studying the effects of x-rays and radium emanations on bacterial and cancer cells.

Vest.rent.i rad. no.3:20-26 My-Je '55. (MIRA 8:10)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta (dir.prof. M.N.Pobedinskiy) Ministerstva zdravookhraneniya SSSR.

(ROENTGEN RAYS, effects,  
on bact. & cancer cells, electron microscope)

(RADIUM, effects,  
on bact. & cancer cells, electron microscopy)

(BACTERIA, effect of radiations on,  
radium & x-rays, electron microscopy)

(NEOPLASMS, experimental,  
eff. of radium & x-rays on cancer cells, electron  
microscopy)

(MICROSCOPY, ELECTRON,  
of bact. & cancer cells after exposure to radium  
& x-rays)

USSR / General and Specialized Zoology. Insects. Biology and Ecology.

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73586

*Osmia cornuta*, *O. rufa*, *Anthophora acervorum*, *Andrena flavipes*, *A. sericea* - and *Bibliomarci* flies; in Kitayev, solitary bees - *Colletes cunicularius*, *Andrena helvola*, *A. propinqua*, *A. bimaculata*, and bumble-bees - *Bombus terrestris* and *B. agrorum*. In southern Ukraine it is necessary to populate the fruit-berry massifs with the solitary bees. -- A. P. Airmanov

Card 2/2

USSR / General and Specialized Zoology. Insects. Biology and Ecology. P

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73586

Author : Nevkritya, <sup>AN</sup> O. M.

Inst : AS USSR

Title : A Contribution to the Study of Insects - Pollinators of Sweet Cherries and Cherries

Orig Pub : Zb. prats'. Zool. museyu. AN USSR, 1957, No 28, 49-61

Abstract : Observations were conducted in the steppe zone (1938) and on the boundary of the forest steppe with the forest zone (Polyesye) (1939-1940). Of 90 species of pollinators there were 62 species of Hymenoptera and 23 species of Diptera. Of the total number of visits by the insects, in Melitopol' 59.8% of the visits by honey-bees were on cherries and 86.1% on sweet cherries, and in Kitayevo 34.7% and 48.7% respectively. Other important pollinators in southern USSR are solitary bees

Card 1/2

NEVKRYTA, A. N.

USSR, Farm Animals - Honey-Bees.

Q-8

Abs Jour : Ref Zhur - Biol., No 1, 1958, 2674

Author : A. N. Nevkryta

Inst : -

Title : The Location of Apiaries with Reference to the Pollination of Sweet and Sour Cherry Trees.

Orig Pub : Pchelovodstvo, 1957, No 4, 34-38

Abstract : The work performed by the Institute of Entomology and Phyto-pathology Academy of Sciences Ukrainian SSR in the rayons of Kiev and Melitopol' determined the importance of the location of a pollination apiary. According to these findings, when the apiary is located in the midst of a garden the average crop from a tree of sweet cherries is 63.4 kilograms. The removal of the apiary to a distance of 125 meters from the garden decreased the crop to 60.4 kilograms, and a further removal to 250 meters decreased the crop to 42 kilograms, while a removal to 2000

Card 1/2

NEVKRYTA, A.N.

Effect of cultivation practices on the number of sugar beet weevils.  
Nauch.trudy Inst.ent. i fit. AN URSS 7:148-157 '56.  
(MIRA 10:3)  
(Tillage) (Sugar beets--Diseases and pests)



NEVKRYTA, A.N.

~~KHALIFMAN, I.A.~~, kandidat biologicheskikh nauk.

Bees and harvest ("Insects which pollinate vine crops." A.N.Nevkryta.  
Reviewed by I.A.Khalifman). Priroda 43 no.6:123-125 Je '54. (MLRA 7:5)  
(Vine crops) (Bees) (Fertilization of plants) (Nevkryta, A.N.)

HEVKRYTA, A. N.

Розвідка, офіційна інформація [The official information] [ ]  
Kiev, Izd-vo Akademi nauk ukr. SSR, 1953. 71 p.

SO: Monthly List of Russian Journals, Vol. 6 No. 7 October 1953

BOYMISTROV, M.N. [Boymistrov, M.N.], KULIK, G.V. [Kulikov, G.V.], NOVAKHILAYA,  
O.S. [Novakhilaya, O.S.]

New synthetic acetylcholinesterase preparations. Antimuscarinic activity  
of some salicylanilide derivatives. *Mikrochim. zh.* 39 no.2:52-  
56 1965. (MIRA 18:5)

1. *Zh. nevskoye gos. univ.* 1965, no. 1, p. 10.

GAMALEYA, N.F. [Hamalia, M.F.]; OLIYNIK, G.M. [Oliinyk, H.M.]; LENCHINA,  
L.G. [Lenchyna, L.H.]; NEVKIPILA, O.S. [Nevkypila, O.S.].

Adaptation of yeastlike fungi to some synthetic antimicrobial  
substances. Visnyk, Kyiv. un. no. 4. Ser. biol. no.2:77-80'61.  
(RESISTANCE TO FUNGICIDES) (MIRA 16:6)

YUGOSLAVIA

NEVJESTIĆ, A., Dr., Assistant, RUKAVINA, Lj, Dr., Assistant, FORŠEK, Z.,  
Dr., Professor; Scientific Research and Diagnostic Institute, Faculty of  
Veterinary Sciences, Sarajevo

"Qualitative and Quantitative Colorimeter Amylase Test of Pancreatic  
Tissue in Diagnostics of Hog Cholera"

Belgrade, Veterinarski Glasnik, Vol 20, No 9, 1966, pp 647-652

Abstract: Using qualitative (Taylor test) and quantitative amylase tests the authors carried out examination of pancreas of pigs which died after natural infection by hog cholera virus. In the group of pigs without secondary bacterial infection, the qualitative and quantitative tests were 76.38% and 62.50% positive, respectively. With pigs exhibiting also secondary bacterial infection, the results were 60.00% and 63.33%, respectively. Finally, in pigs which were infected by *E. rhytiopathiae* or *Salmonella* only, the positive tests results were 7.69% and 15.38%. This, together with the fact that the numbers for healthy pigs are 2.50% and 2.00%, seem to indicate that Taylor's test, though not completely specific, can be used for the diagnosis of hog cholera. There are 7 Yugoslav, 7 Soviet, and 2 Western references. (Manuscript received, 13 Jun 66.)

NEVIZHIN, V. A.

Ch. Engr., Kiev Oblast Administration of Communications, -closed-.

"Piecework Payment and Computing the Productivity of Labor of Repair  
Crews," Vest. Svyazi-Elektrosvyaz', No. 9, 1948.

NEVIZHIN, M.F.: CHASHNIKOV, D.I.

Dependence of critical reduction on temperature during the reeling  
of iron-base alloys. Trudy LPI no.222:162-164 '63. (MIRA 16:7)  
(Rolling (Metawork)) (Iron alloys)

NEVIZHIN, M.F.; ZOLIN, Yu.N.

Laboratory piercing machine. Trudy LPI no.222:192-195 '63.  
(MIRA 16:7)  
(Pipe mills) (Metallurgical laboratories--Equipment and supplies)



The effect of the mandrel and roll form ...

S/137/62/000/001/087/237  
A052/A101

results were achieved with pointed mandrels and conical rolls; the optimum ratio of the length of the working part of the mandrel to the diameter of its calibrating section was established as 1.8. Elaborated empirical formulas for determining the critical reduction in the nick were derived; the regularity of variation of the reduction coefficient in the rear zone of the deformation seat at the mandrel nose and on the generatrix was revealed; assuming the constancy of the ratio of the volumes displaced in the process of rolling along the length and in the tangential direction, these regularities enable one to determine also the spread coefficient and yield equations for the generatrix of the nose and the lateral surface of the mandrel, and thus to plot the profile of the tool. Calibration methods, considerably simplified compared to those published by V.S. Smirnov previously, are dealt with in detail. There are 7 references, see also RZhMet, 1961, 1D237.

Ye. Bukhman

[Abstracter's note: Complete translation]

Card 2/2

S/137/62/000/001/087/237  
A052/A101

**AUTHORS:** Smirnov, V.S., Nevizhin, M.F.

**TITLE:** The effect of the mandrel and roll form on the basic parameters of the broaching process

**PERIODICAL:** Referativnyy zhurnal. Metallurgiya, no. 1, 1962, 33, abstract 1D213 (V sb. "Stal", Moscow, Metallurgizdat, 1961, 316 - 334)

**TEXT:** The broaching of Ct 45 (St45) rods 40 mm in diameter at the temperature of 1,200°C was carried out at the Leningrad Polytechnic Institute on a laboratory mill on rolls 200 mm in diameter and 180 mm long of different forms (concave, convex and conical) and on different mandrels (conical with a conicity  $r/\rho$  of 0.17, 0.23, 0.33 with the length of 47 mm and also conical, concave, convex and streamlined with a nose  $r_5$ , 10 mm long). 18 combinations were tried whereby with a concave roll working as a broaching cone the deformation could not be brought about. The axial slide coefficient, that is the ratio of the theoretical broaching time to the actual one, the broaching power and the efficiency of the mill attain the maximum at a concave mandrel; at the same time the minimum power consumption and the pressure on rolls are reached. The best

Card 1/2

NEVIZHIN, M.F.

PLATE 1 BOOK REVISION

Leningrad. Politekhnikheskiy Institut  
Orbitna metallor zaprasnye (Metal Forming) Moscow, Masgits, 1959. 174 p.  
(Series: IZh Izvdy, No. 203) Errata slip inserted. 3,200 copies printed.  
Sponsoring Agency: RZSR. Ministerstvo vyzhaga i srednepo spetsial'noye obratovaniye.

Rasp. Ed.: V.G. Podorokin, Candidate of Technical Sciences, Docent; M.I. V.S. Saitinov, Doctor of Technical Sciences, Professor; Tech. Ed.: Luf. Shchegolev; Russ. Ed.: Ed. for Literature on the Design and Operation of Machines (Leningrad Division, Masgits); P.A. Peltsov, Engineer.  
PURPOSE: This book is intended for students taking advanced engineering courses, production engineers, and personnel of schools of higher technical education and scientific research establishments studying rolling and other metal-forming processes. It contains a series presenting the results of a series of investigations conducted by the metal-forming department of the Leningrad Politekhnikheskiy Institut from 1955 to 1958. The problems in the book include: metal forming, tube drawing, extrusion and making of compound dies. The first paper complements the work of S.I. Tevlikov and Ye. F. Babkov. References accompany most of the articles.

- 4. Saitinov, V.S., and Peltsov, M.I., Angle of Bite in Rolling as Determined by the Coefficient of Friction in Rolling on the Surface Roughness of Rolls and Strip Dependence of the angle of bite and coefficient of friction in rolling on the surface roughness of work and rolls was investigated. 49
- 5. Durmaz, M.B., Longitudinal Rolling of Periodic Shapes of Variable Cross Section in Two Grooves 49
- 6. Saitinov, V.S., and M.F. Nevizhin, Effect of the Shape of Piercing Mandrel and Rolls on Basic Parameters of the Piercing Process 58
- 7. Nevizhin, M.F., Dependence of the Coefficient of Axial Slip and the Quality of Tubes on Piercing Speed and the Roll-Location Angle 76
- 8. Chang Shun-Yien, Investigating Plastic Deformation in the Cross Rolling of Discs 81
- 9. Saitinov, V.S., and Chang Shun-Yien, State of Stress in Grooves and Helical Rolling of Discs 87
- 10. Saitinov, V.S., and Chang Shun-Yien, Effect of Size Factors on the Susceptibility of Strips to the Effect of Roll Slippage on the Deformation, State of Stress, and the Effect of Various Process Factors on the Quality of Tubes, Productivity, Pressure of Work on Rolls, and the Power Consumed in Groove and Helical Rolling and in Piercing 109
- 11. Bogoyavlenskiy, I.S., Change in the Mechanical Properties of Metal in Rolling in a Structural Mill 112
- 12. Bogoyavlenskiy, I.S., Influence of Work Hardening on the Relationship Between Hardness and Other Mechanical Properties of Hot Strips 120
- 13. Bogoyavlenskiy, I.S., Analytical Solution of the Problem of Determining the Increase of Work Hardening in Hot Strips 126
- 14. Bogoyavlenskiy, I.S., Determining Rolling Moments During Hot Strips Rolling in the Rolling of Strips in a Structural Mill. Influence of the Bending of Strips from Stripping on the Mechanical Properties of the Strips and Work Hardening in Rolling, and also the Determination of Forces and Loading Moments are Presented. 135
- 15. Saitinov, V.S., and A.P. Belousov, Stress Analysis in Drawing 140
- 16. Peltsov, M.I., Stability of a Pipe During Retraction by Drawing. The above two articles are devoted to the treatment of hot strips of stress and deformation in drawing. 146
- 17. Saitinov, V.S., Experimental Determination of the Generalized Stress-Strain Relationship 149
- 18. Saitinov, V.S., Approximate Determination of Residual Stresses Generated in the Cross Rolling of an Infinite Cylinder. An approximate method, based on the theory of small elastic-plastic strains, for determining residual stresses in metal rolling is described. 157
- 19. Saitinov, V.S., Theory of Plastic Deformation of a Sheet Metal in Rolling in the Presence of the Effect of Work Hardening 167

NEVIZHIN, A.; BEKEL'MAN, M.

Moscow, site of Sixth World Youth Festival. Obshchestv. pit.  
no.1:23 '57. (MIRA 11:4)  
(Moscow--Restaurants, lunchrooms, etc.)

BEVLSKIY, B. V.

"Use of Hydrocyclones in Concentration Operations," Gor. Zhur., no. 8,  
1949. Cand. Tech. Sci.

ROZHCHENKO, A.Ya.; NEVIROVSKIY, A.Ya.; DEMENT'YEV, V.T.

Experience in calcium carbide production in a sugar factory.  
Sakh.prom.30 no.5:49-52 My '56. (MLRA 9:9)

1.Berdichevskiy rafinadnyy zavod.  
(Electric furnaces) (Calcium carbide)

L 10773-66

ACC NR: AT6001027

calculated using the maximum energy consumption coefficient by the following expression:

$$\frac{\psi^2}{\psi_{\max}^2} = 1 - \frac{\frac{1}{2} (c_1 \cos \alpha_1 - u_1 + c_{1r} \lg \Delta \beta)^2}{M_x + \frac{w_1^2}{2}}$$

(see Fig. 1). Orig. art. has: 3 figures and 4 formulas.

[PS]

SUB CODE: 10/ SUBM DATE: none/ ORIG REF: 003/ ATD PRESS: 4/68

PC

Card 3/3

L 10773-66

ACC NR: AT6001027

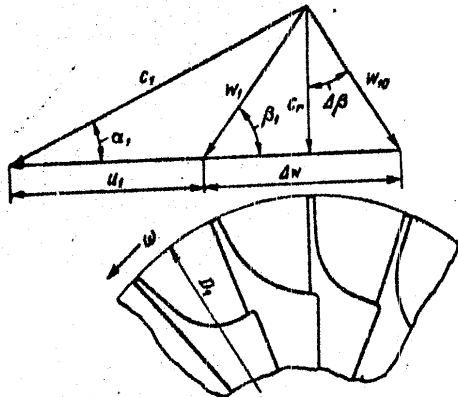


Fig. 1. Kinematic parameters at the inlet cross section of a rotor

expression,  $1 - \psi^2$  represents the energy loss in the rotor of a radial turbine. This permits a comparison of the energy losses in both the axial and radial turbine rotors. Considering that  $u_1 = \omega D_1 / 2$ ,  $\psi$  is determined by the Reynold's number  $Re = c_{1r} D_1 \gamma_1 / \mu$  and  $c_{1u} / u_1$ ; the latter parameter is the ratio between the Coriolis and the centrifugal forces. This parameter is considered to be both a kinematic characteristic of the performance of a turbine stage and a dynamic factor which affects the flow of gas in a rotor. The energy losses in a radial turbine rotor with an impact flow may be



L 10773-66 EWP(f)/T-2/HTC(m) WV

ACC NR: AT6001027

SOURCE CODE: UR/2563/65/000/247/0099/0102

AUTHOR: Dvoretzkiy, K. P.; Nevinskiy, V. V.; Shchedrov, V. B.

ORG: Leningrad politechnic institute (Leningradskiy politekhnicheskiy institut)

TITLE: Energy loss in the rotor of a centripetal turbine

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 247, 1965. Turbomashiny (Turbomachines), 99-102

TOPIC TAGS: energy loss calculation, centripetal turbine, turbine rotor, turbine

ABSTRACT: The energy loss in a turbine rotor is usually characterized by the velocity coefficient  $\psi$  obtained from the relationship  $w_2 = \psi w_{2m}$ , where  $w_2$  and  $w_{2m}$  are the real and theoretical relative velocities in the exit cross section of the rotor. While in an axial-flow turbine  $1 - \psi^2$  represents the energy losses in the rotor, in the case of a radial turbine, such a loss is not represented by  $1 - \psi^2$  if  $\psi$  is calculated by the above equation. Therefore, the following expression is suggested for determining  $\psi$ :

$$\psi = \frac{\sqrt{\psi^2(2\Delta i_k + w_i^2) - u_2^2 + u_2^2}}{w_i}$$

where  $\Delta i_k$  is the enthalpy drop in the rotor and  $u_2$  is the circumferential velocity in the exit cross section. Other designations are given in Fig. 1. Calculated from this

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L 10642-66

ACC NR: AT6001026

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 4/67

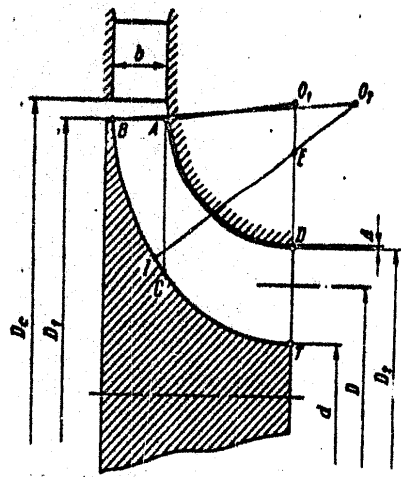
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HW

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L 10642-66

ACC NR: AT6001026



26  
Fig. 1. Rotor profile diagram

$z_k = 16$ ,  $D_1 = 160$  mm,  $\beta_{2k} = 63^\circ$ , and

$$\frac{d}{D_1} = 0.275; \quad \frac{D_c}{D_1} = 1.1; \quad \frac{\Delta}{D_1} = 3.13 \cdot 10^{-4}$$

graphs of the optimum relationship between various parameters of the turbine stages were obtained which are to be used in the design of this type of turbine. Orig. art. has: 4 figures.

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[PS]

L 10642-66

ACC NR: AT6001026

where  $p_0$  and  $T_0$  are the total pressure and gas temperature in front of the nozzle;  $p_2$  is the static pressure behind the rotor;  $u_1$ , the circumferential velocity;  $\nu$ , the kinematic viscosity;  $k$ , adiabatic expansion index;  $R$ , the gas constant; and  $x_1$  includes a series of design parameters such as the rotor diameter  $D_1$ , rotor blade width  $b$ , and others given in Fig. 1. Introducing dimensionless parameters, we get:

$$N = \frac{NRT_0}{D_1^2 u_1^2 \rho_0}; \quad G = \frac{GRT_0}{D_1^2 u_1 \rho_0}; \quad Re_r = \frac{u_1 D_1}{\nu}; \quad \eta; \quad k;$$

$$\chi = \frac{u_1}{\sqrt{\frac{2k}{k-1} RT_0 \left(1 - \sigma^{-\frac{k-1}{k}}\right)}}; \quad \sigma = \frac{p_0}{p_2}; \quad \bar{x}_1.$$

Taking into account the effect of the nozzle angle  $\alpha_1$ , the relative width of the rotor blade  $\tau = b/D_1$ , the ratio of the rotor-exit cross section area to the rotor inlet cross section area  $\kappa$ , and the blade twist angle  $\beta_2$ , then the following parameters have to be determined experimentally:

$$\eta = f(\tau, \alpha_1, \kappa, \beta_2, \chi, \sigma);$$

$$G = f(\tau, \alpha_1, \kappa, \beta_2, \chi, \sigma);$$

$$N = f(\tau, \alpha_1, \kappa, \beta_2, \chi, \sigma).$$

Based on experimental studies of the performance characteristics of 27 radial centrifugal turbines of the same type at various values of  $\tau$ ,  $\alpha_1$ , and  $\kappa$ , and constant

Card 2/4

L 10642-66 EWT(m)/EWP(w)/EWP(f)/EWP(v)/T-2/EWP(k)/ETC(m) WW/EM

ACC NR: AT6001026

SOURCE CODE: UR/2563/65/000/247/0094/0098

AUTHOR: Dvoretzkiy, K. P.; Nevinskiy, V. V.; Shchedrov, V. B.

ORG: Leningrad Polytechnic Institute (Leningradskiy politekhnicheskiy institut)

28  
27  
B+

TITLE: A similarity method for the design of the radial stage of a centripetal turbine

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 247, 1965, Turbomashiny (Turbomachines), 94-98

TOPIC TAGS: centripetal turbine, radial stage, design method, similarity method

ABSTRACT: The proposed similarity method for determining optimum parameters of the radial stage of a centripetal turbine is based on mathematical treatment of experimental data obtained from a series of similar model turbines. The power N, the gas flow rate G, and the efficiency  $\eta$  of a turbine are the functions of the following parameters:

$$N = f(p_0, p_2, T_0, R, k, u_1, v, x_i);$$

$$G = f(p_0, p_2, T_0, R, k, u_1, v, x_i);$$

$$\eta = f(p_0, p_2, T_0, R, k, u_1, v, x_i);$$

Card 1/4

NEVINSKIY, S.I., inzhener.

"New developments in the technology of wood-pulp production."  
N.A. Il'in. Reviewed by S.I. Nevinskii. Bum.prom. 31 no.6:31  
Je '56. (MLRA 9:8)  
(Wood pulp industry) (Il'in, N.A.)

NEVINSKIY, A.A.; BELEN'KIY, B.G.

Spectrofluorimeter for the visible region of the spectrum. Zav.lab.  
29 no.11:1391-1392 '63. (MIRA 16:12)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

NEVINNYKH, V.A., kand.sel skokhozyaystvo.nykh nauk

Hybridizing southern dioecious hemp with monoecious hemp.  
Agrobiologiya no.2:205-212 Mr-Apr '62. (PCRA 15:4)

1. Krasnodarskiy nauchno-issledovatel'skiy institut sel'skogo  
khozyaystva.

(Hemp breeding)



USSR / Cultivated Plants. Commercial, Oleaceous,  
Sugar Bearing.

M-4

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6341  
Author : Novinnykh, V. A.  
Inst : All-Union Scient.-Res. Institute of Rast  
Crops  
Title : Hybridization and Selection of Gambo Hemp  
Orig Pub : Tr. Vses. n.-1. in-ta lub. kul'tur, 1957,  
vyp 22, 179-205  
Abstract : Cross breeding of forms of gambo hemp of  
varying origins and different biological and  
ecological features causes heterosis in the  
first and subsequent generations. The  
maximum manifestation of heterosis is observed  
in the cross breeding of very early ripening  
or early ripening forms with very late

Card 1/2

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur. - Biol., No 12, 1958, 53717

Author : Nevinnykh, V.A.

Inst : ~~XXXXXXXXXX~~

Title : Kubanskiy-333 Variety Hemp

Orig Pub : Len 1 konoplya, 1957, No 12, 25

Abstract : This variety was brought out in 1950 on the former North-Caucasian Station for Fiber Cultures by means of inter-varietal hybridization and subsequent 5-stage selection. The stems reach the height of 3.5-4.5 m; they do not bend and their tops do not intertwine which facilitates considerably the harvesting of the plants. The vegetation process lasts 135-155 days. This variety is distinguished by its high yield and by a higher fiber productivity than other varieties peculiar to the region. It is inferior to other varieties with regard to seed yield. In order to raise the seed yield, it is necessary to

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USSR / General Biology. Genetics.

B-5

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 52444

external appearance like hemp, and almost complete sterility. Crossings of hemp with wild representatives of the same varieties from southern and southwest Africa were successful, but the hybrid was of no interest from a selection viewpoint. The prospects were seen for crossing of the common hemp varieties with very rapid-ripening forms, obtained from Kuban and Fergan hemp population. As a result of such crossing, a new hemp variety Kuban 333 was developed. -- A. I. Kuptsov.

Card 2/2