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LYAPUNOV, Aleksandr Mikhaylovich, akademik; SRETENSKIY, L.N., redaktor;
KOLMOGOROV, A.N., akademik, redaktor; SMIRNOV, V.I., akademik,
redaktor; SUBBOTIN, M.F., redaktor; ISHLINSKIY, A.Yu., redaktor;
MIGIRENKO, G.S., kandidat fiz.-mat. nauk, redaktor; PETKEVICH,
V.V., kandidat fiz.-mat. nauk, redaktor; KIRNARSKAYA, K.I., vekhni-
cheskiy redaktor.

[Collected works] Sobranie sochinenii. Moskva, Izd-vo Akademii
nauk SSSR. Vol.2. 1956. 472 p. (MLRA 9:6)

- 1.Chlen-korrespondent AN SSSR (for Sretenskiy, Subbotin).
- 2.Deyatvitel'nyy chlen AN USSR (for Ishlinskiy)
(Dynamics) (Differential equations)

PETKEVICH V.V.

LYAPUNOV, A.M.; SRETENSKIY, L.N., otvetstvennyy redaktor; KOIMOGOROV, A.M., akademik; SMIRNOV, V.I., akademik; SUBBOTIN, M.F.; ISHLINSKIY, A.Yu.; MIGILENKO, G.S., kandidat fizicheskikh-matematicheskikh nauk; ~~PETKEVICH, V.V., kandidat fizicheskikh-matematicheskikh nauk; GERMUGEROV, A.V., redaktor; ALEKSEYEVA, T.V., tekhnicheskiy redaktor.~~

[Collected works] Sbranie sochinenii. Moskva, Izd-vo Akademii nauk SSSR. Vol. 1. 1954. 446 p. (MLRA 7:11)

1. Chlen-korrespondent Akademii nauk SSSR (for Sretenskiy and Subbotin)
2. Deystvitel'nyy chlen Akademii nauk SSSR (for Izhlinskiy)
(Liapunov, Aleksandr Mikhailovich, 1857-1918) (Mathematics)

PETKOVICH, V. V.

"Sufficient Conditions for the Stability of Motion in Regard to the Gravity Center of a Body of Variable Mass." Sub 12 Jun 47, Moscow Order of Lenin State U imeni M. V. Lomonosov

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr 55

PETKEVICH, V. V. Cand. Physicomath. Sci.

Dissertation: "Sufficient Conditions for the Stability of Motion in Regard to the Gravity Center of a Body of Variable Mass." Moscow Order of Lenin State U. imeni M. N. Lomonosov, 12 Jun. 1947.

SO: Vechernyaya Moskva, Jun. 1947 (Project #17836)

PETKEVICH, V.V., dots.

[Program in teoretical. mechanics and the mechanics of a continuum;
for the Physics Faculty] Programma po teoriticheskoy mekhanike i
mekhanike sploshnoi sredy (dlia fizicheskogo fakul'teta). 1956. 3 p.
(NIIU 11:3)

1. Moscow. Universitet.
(Mechanics—Study and teaching)

PETKEVICIUS, L.

Surgical treatment of flacid paralysis of the lower extremity. Sveik.
apsaug. 6 no.9(69):3-10 8 '61.

1. Vilniaus Valst. V. Kapsuko v. universiteto Medicinos fakultetas
ir Respublikine Vilniaus klinine ligonine.

(POLIOMYELITIS surg)

PETKEVUCHYUS, A. K.

"Principal Problems of Millet Cultivation Techniques in the Field Conditions of the Lithuanian SSR," (Dissertation for Degree of Candidate of Agricultural Sciences)
Lithuanian Agricultural Academy, Kaunas, 1955

SO: M-1036 28 Mar 56

3(10)

SOV/21-59-9-10/25

AUTHOR: Petkevych, H.I.

TITLE: On Certain Regularities in Variation of the Velocity of Propagation of Elastic Waves in the Forecarpathian Sag

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi RSR, Nr 9, 1959, pp 971-975 (USSR)

ABSTRACT: In this paper, the author discusses the connection between the space change in the velocity of propagation of elastic waves and the geological structure of the Forecarpathian Sag. He bases his statements on the data of a seismic sounding conducted in 45 boreholes during 1948-1958 by the Western Ukrainian Geophysical Office. The study of all seismic sounding material and the use of all data of laboratory measurements of the velocities of elastic waves and of the porosity on rock samples permitted a more grounded study of the analysis of the space change of velocities and the establishment of the geological nature of these changes.

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SOV/21-59-9-10/25

On Certain Regularities in Variation of the Velocity of Propagation of Elastic Waves in the Forecarpathian Sag

It has been found out that the velocity depends chiefly on the degree of densification of the rocks, which is controlled by the porosity in its widest meaning. As shown by graph Nr 1, the velocity in younger deposits increases with depth more than in the older ones, which also makes apparent that the porosity of these younger deposits is relatively larger. Thus, the change in velocity along the vertical is connected with the effect of the static loading, the change along the horizontal - with tangential forces. The paper also presents a scheme (see drawing Nr 3) for the change in average velocity at a depth of 1,000 meters, which shows the connection of \bar{v} with the basic tectonic elements and individual structures of the sag. Consequently, it has been established that the general nature of the space change in the velocity of elastic waves was formed under the effect of the same factors which caused the formation of the present tectonics

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SOV/21-59-9-10/25

On Certain Regularities in Variation of the Velocity of Propagation
of Elastic Waves in the Forecarpathian Sag

of the Forecarpathian Sag. There are 2 graphs, 1 drawing (scheme) and 5 references, 4 of which are Soviet and 1 English.

ASSOCIATION: Instytut heolohiyi korysnykh kopalyn AN URSR (Institute of Geology of Mineral Resources of the AS of UkrSSR)

PRESENTED: By V.B. Porfir'yev, Member, AS UkrSSR

SUBMITTED: January 28, 1959

Card 3/3

PETKI, Gusztav, dr.

Removal of industrial soiling from hands. Borgyogy. vener.
szemle 39 no.5:204-207 0 '63.

1. A Fovarosi Bor-Nemibeteggondezo Intezet (Igazgat. foorvos:
Somogyi Zsigmond dr.) es a III ker. Bor-Nemibeteggondezo Intezet
(Vezető-foorvos: Petki Gusztav dr.) kozlemenye.
(HAND DERMATOSES) (OCCUPATIONAL DERMATITIS)
(DYES) (OILS) (OINTMENTS)

USSR/Cultivated Plants - Grains.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15530

Author : I.V. Tsoy, P.V. Petkilev

Inst : -

Title : Supplemental Corn Pollination in the Transvolga Region.
(Dopolnitel'noye opyleniye kukuruzy v usloviyakh
Zavolzh'ya).

Orig Pub : S. kh. Povolzh'ya, 1957, No 6, 33-35

Abstract : On the dark chestnut soils of the Transvolga region the supplemental pollination applied three times during the period of the appearance of corn fibers in 75% of the plants increased the yield by 16%, the quantity of cobs with formed grains by 10% and the grain output by 6.5%. Supplemental pollinization is nearly twice as effective with deep plowing than with the ordinary tilling.

Card 1/1

30

PETKO, I.V., Ing. LUKASHEVICH, G.I., kand. tekhn. nauk

Increasing the wear resistance and fatigue strength of machine parts. Mashinostroenie no. 309-10 Ny-Je '65. (MIRA 18:6)

BUDYLIN, M.M., inzh.; LUKASHEVICH, G.I., kand. tekhn. nauk; BELEK, I.V., inzh.

Increasing the reliability and durability of the K-750M
motorcycle. Mashinostroenie no.5:45-48 S-O '65.

(MIRA 18:9)

PET'KO, L.I.

Toxicology of 2-methyl-furan (silvan) [with summary in English].
Gig. i san. 22 no.9:29-35 S '57. (MIRA 10:12)

1. Iz Gor'kovskogo nauchno-issledovatel'skogo instituta gigiyeny
truda i professional'nykh bolezney Ministerstva zdravookhraneniya
RSFSR

(FURAN DERIVATIVES, tox.

2-methyl-furan, eff. on CNS & liver in rats)

(CENTRAL NERVOUS SYSTEM, eff. of drugs on

2-methyl-furan, in determ. of tox. in rats)

(LIVER, eff. of drugs on

same)

TSOY, I.V., kand. sel'skokhozyaystvennykh nauk; PETKILEV, P.V.

Basic cultivation of corn fields in the trans-Volga region of Saratov Province. Zemledelie 8 no.6:64-70 Je'60. (MIRA 13:10)

1. Saratovskiy sel'skokhozyaystvennyy institut.
(Saratov Province--Corn(Maize))

PET'KO, L. I.:

PET'KO, L. I.: "Problems of labor hygiene in the dry distillation of hardwoods". Gor'kiy, 1955. Gor'kiy State Medical Inst imeni S. M. Kirov. (Dissertations for the Degree of Candidate of Medical Sciences.)

So. Kpizhnaya letopis'. No. 49, 3 December 1955. Moscow.

PET'KO, N.; EL'TERMAN, S.

Relay forcing of the excitation of synchronous generators.
Zhil.-kom. khoz. 7 no.6:10-11 '57. (MIRA 10:10)

1. Starshiy inzhener tresta "Orgkommunenergo." (for Pet'ko)
2. Nachal'nik laboratorii Smolenskoy gosudarstvennoy elektricheskoy stantsii. (for El'terman)
 - (Electric relays)
 - (Electric generators)

PET'KO, Nikolay Ivanovich; BERMAN, Igor' Borisovich; BOGOLYUBOV, V.F., red.; A.JAZOV, V.Z., red. izd-va; SALAZKOV, N.P., tekhn. red.

[Networks for supplying a.c. operative power to relay protection and automatic control systems in municipal electric-power plants and substations] Skhemy pitania poremennym operativnym tokom tsepei relainoi zashchity i avtomatiki na gorodskikh elektricheskikh stantsiyakh i podstantsiyakh; ekspluatatsiya i naladka. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1962. 76 p. (MIRA 16:4)
(Electric power supply to apparatus)
(Electric substations) (Electric power plants)

PET'KO, Nikolay Ivanovich; KOVAL'SKIY, K.V., red.; KOROGODIN, A.S.,
red.izd-vs; NAZAROVA, A.S., tekhn.red.

[Relay protection and automatic control for municipal electric
networks and power plants] Releinaia zashchita i avtomatika na
gorodskikh elektrostantsiakh i setiakh, Moskva, Izd-vo M-va
kommun.khoz.RSFSR, 1960. 184 p. (MIRA 13:9)

(Electric power distribution)

(Electric power production)

Handwritten: 12900 20000000

YUGOSLAVIA/Chemical Technology. Chemical Products and Their Application. J-12
Glass. Ceramics. Building Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27605.

Author : Jovan Zlatanovic, Petko Sapunov.

Inst :

Title : Silex from Crni Vrh (Macedonia).

Orig Pub: Tehnika, 1956, 11, No 10, 1527 - 1529.

Abstract: The varieties of silex were studied and compared with silex from Belgian Congo. As far as the wear due to attrition is concerned, nearly all the varieties of silex are not worse than that from Congo, which makes it possible to use them in mills, as well as abrasives. Blocks of large dimensions and without fissures can be used for making rollers and mill bottoms in view of their great strength.

Card : 1/1

-4-

IVAN TANEV; ASZEN HADZSOLOV; SZAVA ZSELJAZKOV; PETKO STREB

Clinical and experimental studies on scarlatinal glomerulonephritis and the mild symptoms of kidney damage. *Gyermekgyógyászat* 9 no.1-3: 1-5 Jan-Mar 58.

(SCARLET FEVER, compl.

glomerulonephritis, diag. significance of early mild renal sympt. (Hun))

(GLOMERULONEPHRITIS, etiol. & pathogen.

scarlet fever, diag. significance of early mild renal sympt. (Hun))

PET'KO, V.M., inzh.

Allowable sieve residue R₈₈ for pulverized anthracite. Teploenergeti-
ka 5 no.3:29-33 Mr '58. (MIRA 11:4)

1. Khar'kovskiy politekhnicheskii institut.
(Coal, Pulverized)

1 2 1 1 0 4 1 1

NAYMARK, I.K., inzhener; PET'KO, V.M., inzhener; RABINOVICH, O.M.,
professor; FAYERSHTEYN, D.G., kandidat tekhnicheskikh nauk

Improving the efficiency of a boiler unit operating on anthracite
coal dust. Elek.sta. 25 no.11:8-10 N '54. (MLRA 7:11)
(Steam boilers)

PET'KO, V. M.

AID P - 2061

Subject : USSR/Electricity

Card 1/2 Pub. 26 - 3/29

Authors : Naymark, I. K., Pet'ko, V. M., Radzivilov, A. I., and Fayershteyn, D. G., ENGS.

Title : Venting of returned pulverized anthracite culm from separators

Periodical: Elek. sta., ¹⁶4, 11-14, Ap 1955

Abstract : The milling of anthracite culm requires about 30 per cent of all power supplied for the needs of the plant. The article describes tests made with venting light particles of pulverized culm returned from the separator and milled in ball mills. A detailed description of the venting installation tested is given, and all additional devices and improvements are enumerated. The design of the separators was improved after these tests and the production increased 20%, while the needed amount of electric power decreased 15.5%. Two tables and 4 diagrams are included.

ZAROCHEVSEV, G.G., inzh.; LEBEDEV, F.M., inzh.; STANKEVICH, G.L., inzh.;
PET'KO, V.M., kand.tekhn.nauk; FAYERSETLYN, D.G., inzh.

Gas burner with peripheral gas supply for large boiler units.
Elek. sta. 33 no.7:12-15 J1 '62. (MIRA 15:8)
(Boilers) (Gas burners)

RABINOVICH, O.M., prof.; FAYERSHTEYN, D.G., kand.tekhn.nauk; PET'KO, V.M.,
kand.tekhn.nauk; LEBEDEV, F.M., inzh.; VYSOTSKAYA, A.I., inzh.;
YEREMENKO, R.V., inzh.

Increase in the evaporation capacity of boilers converted to
operation on natural gas. Energetik 10 no.11:11-14 N '62.
(MIRA 15:12)

(Boilers)
(Gas as fuel)

LETKO, V.P., Cand Tech Sci -- (diss) "Separation
of dust in the grinding of anthracite in spherical
drum mills." Khar'kov, 1958, 16 pp with ^{drawings} ~~sketches~~
(Min of Higher Education UKSSR. Khar'kov Polytechnic
Inst. im V.I Lenin) 150 copies (EL, 29-58, 132)

- 54 -

PET'KO, V. M.

AUTHOR: Pet'ko, V.M. (Engineer) 96-3-8/20

TITLE: The permissible residue on an 88 micron sieve for anthracite dust.
(O dopustimom ostatke R₈₈ dlya antratsitovoy pyli)

PERIODICAL: Teploenergetika, 1958, No.3. pp. 29-33 (USSR)

ABSTRACT: A disc type separator, illustrated in Fig.1, which intended to winnow the fine dust from the material returned from the main separator, was tested in 1955-56 on the drum-type ball mill 287/470 of a Khar'kov Power Station. The material returned from the main separator (type **УККБ**) 3.3 metres diameter, and passes on to the rotating disc from which it is thrown by centrifugal force when the smaller particles are picked up by a flow of air and the larger particles are trapped. In testing the separator about 100 tests were made. The variables were: flows of material and hot air, and disc speed. With dust of the required fineness (R₈₈ = 7%) the output of the separator was varied from 1.0 - 3.5 tons/hour whilst the flow of material ranged from 0.5 - 18 tons/hour. A formula is given to define the coefficient of disperseness of the dust which is determined from the total residue on two sieves, usually 88 and 200 microns. Differentiation of the equation for the granular characteristics gives a new functional relationship of the percentage distribution of dust particles of different sizes. In a drum type ball mill the finished dust is

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The permissible residue on an 88 micron sieve for anthracite dust. 96-3-8/26

usually of low quality with considerable over-milling which is one of the main causes of low milling efficiency in these mills. The quality of the dust can be improved by using better designs of main separators and by using secondary separators. The quality of the dust winnowed in disc separators is characterised by the figures given in Table 1. The anthracite dust is of high quality and leaves very small residues on the coarse sieves. By using these separators in the system of a drum type ball mill it is possible to improve the separation effect, to improve the quality of the dust and to increase the output of the mill. Total mechanical non-combustion of the fuel can be calculated by summing mechanical non-combustion for fractions of different grain size according to formula 7 of the paper. For the case when the particle grain size of 50.5 microns is completely burned, Table 2 gives the results of calculations of mechanical non-combustion of fuel by the procedure described in the article and for the same case Fig.3. gives curves of fractional mechanical non-combustion. When the quality of the dust is improved the proportion of large particles in it is decreased. It may, therefore, be possible to increase the average coarseness of the dust burned, which will give a general increase in the mill output. However, theoretical calculations show that in anthracite dust most of the mechanical non-combustion occurs not on the coarse fraction but on the medium sized ones, the absolute content of which in the

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The permissible residue on an 88 micron sieve for anthracite dust.

96-3-8/26

dust is increased. Therefore, on improving the structural composition of the dust (making it more uniform), the sieve residue should be reduced, particularly when the initial mechanical non-combustion is high. If the quality of the dust is improved the residue on an 88 micron sieve can only be increased if the mechanical non-combustion is very small. In this connection, Fig.4. gives graphs of the relationship between mechanical non-combustion and particle size for grains of anthracite dust of different sizes that are fully consumed in the furnace and Fig.5. gives the relationship between mechanical non-combustion of the fuel, and the fineness of dust burned and the size dispersion coefficient, for the cases when different sizes of particle are completely burned. There are 5 figures, 3 tables, 4 literature references (Russian).

ASSOCIATION: Khar'kov Polytechnical Institute. (Khar'kovskiy Politekhnicheskiy Institut).

AVAILABLE: Library of Congress.

Card 3/3

Part K. V. V.

✓ Laboratory Methods of Evaluating the Tendency of Steel
 Bolts to Undergo Brittle Fracture with Time. V. V. ~~...~~
 (Sovetskaya Laboratoriya, 1958, 22, 13, 518-226). (In
 Russian). Based on experience at a works laboratory, methods
 of establishing the tendency of steel bolts to delayed brittle
 fracture and causes of this effect are critically discussed.
 Examples of delayed brittle fracture are given and methods
 of examination and testing are recommended. A method has
 been developed for tensile testing under conditions similar to
 those in production. An attempt is made to give contributions to
 the production and study of delayed fracture.—S. E.

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[Handwritten signature]

BENDRYSHV, O.L., kand.tokhn.nauk; PET'KO, V.V.; FRIDMAN, Ya.B., doktor
tokhn.nauk

Causes of the delayed breakdown of bolts made of high-strength
steels. Vest.mash. 40 no.7:6-10 JI '60. (MIRA 13:?)
(Bolts and nuts) (Steel--Testing)

PET'KO, V.V.

Laboratory methods of estimating the susceptibility of steel bolts to brittle fracture in time. Zav.lab.22 no.2:218-225 F '56. (MLRA 9:6)

(Steel--Brittleness) (Bolts and nuts)

PET'KO, V.V.

Laboratory methods of estimating the susceptibility of steel bolts to brittle fracture in time. Zav.lab.22 no.2:218-225 F '56. (MLBA 9:6)

(Steel--Brittleness) (Bolts and nuts)

PETKO, V. Ye.

AUTHOR: Petko, V. Ye. (Arivoy Rog) 47-58-3-27/27

TITLE: The Physical Technical Circle at School (Fiziko-tekhnicheskii kruzhek v shkole)

PERIODICAL: Fizika v Shkole, 1959, Nr 3, page 96 (USSR)

ABSTRACT: The author describes the activities of the physical technical circle at school. The circle arranges discourses on different technical subjects, excursions to industrial enterprises, etc. The circle consists of 3 sections, the first one dealing with the study of machines, the second with electrotechnics and radio engineering, and the third with the construction of school appliances and instruments. The circle owns a small workshop.

AVAILABLE: Library of Congress
Card 1/1

1. Physics-Study and teaching

USCOMM-DC-54827

PETKOV, A.

"Two Years of Pre-Eminence in the District." p. 4,
(ZDRAVEN FRONT, No. 47, Nov. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

PETROV, A.

"Photocell." Vol. 3, No. 5/6, 1954, p. 47. Radio, Mofiya.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

PETKOV, A.

Motion-picture theater with wide screen and stereophonic sound. p.56.
(RADIO I TELEVIZIJA, Vol. 6, no. 1, 1957 ,Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

PETKOV, A.

"Technical literature on mining in 1957. Borbata sus silikozata v Bulgaria
(Fight Against Silicosis in Bulgaria); a book review"

p.107 (Minno Delo, Vol. 12, no. 1, Jan./Feb. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

PETKOV, A.

"L. D. Sheviakov's Working Deposits of Useful Minerals; a review of a translation from the Russian."

p.105 (Minno Delo, Vol. 12, no. 5, Sept./Oct. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

PETKOV, A.

"Minni mashini, chast 1 (Mining Machinery, Vol. 1) by K. I. Ivanov, and K. Sheiretov; a review of a book."

P.104 (Mirno Delo, Vol. 12, no. 6, Nov./Dec. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, No. 8, August 1958

PETKOV, A.

Photoelectric cells. p.38.

(RADIO I TELEVIZIJA, Vol. 6, no. 7, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

ГЕТКОВ, А.

"Acoustic computation of the motion picture theatre's halls."

p. 46 (Radio i Televiziia) Vol. 6, no. 12, 1957
Sofia, Bulgaria

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

PETKOV, A. , inzh.

The Kremikovtsi panorama. Nauka i tekhn mladezh 14 no.10:16 '62.

PETKOV, A.

Double-system amplifiers. p. 25.

RADIO. Vol. 5, no. 1, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

PETKOV, I.

Lead- speakers. p. 40
The Zvuk hearing. In. p. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

Vol. 1, No. 1, 1956
RADIO
Sofiya, Bulgaria

So: Eastern Europe Association Vol. 1, No. 1 April 1956

Petkov, A.

Correct and unified bulgarian technological terminology. p. 27.

TEKHNIKA. (Suiuz za nauchno-tekhnicheskite druzhestva v Bulgaria) Sofia, Bulgaria.
Vol. 8 no. 9, 1959.

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

UNCL

PETKOV, A1.

International Symposium on Theoretical Problems of Hydrology.
Khidro i meteorolog 13 no. 3:55-58 '64.

FETKOV, Aleksandar, inzh.

Methods of designing a field glass with inner focussing and thread
range finder. Gosishni. Min geol inst 9:465-481 '62-'63[publ. '64].

PETKOV, Al, inzh.

In honor of the 60th anniversary of the birth of Prof. [inzh.]
Boris Asenov Marchinkov. Khidro i meteorolog no.6:58-59
'62.

?. Chlen na Redaktsionnata kolegiia, "Khidrologiia i
meteorologiia".

PETKOV, A.I.

On the alluvium and the chemism in rivers of the water-collecting
basin of the Tundzha River. Khidro i meteorolog no.4:29-37 '60.

(EEAI 10:2)

(Alluvium) (Bulgaria--Water)

PETKOV, A1.

Concerning the Question of Our Mining Terminology. *Minno Delo (Mining)*,
76:103: Nov-Dec 55

PETKOV, Al.

Articles About the Mining Industry, Published in the Soviet Press.
Minno Delo (Mining), #6:1954: Nov-Dec 55

PETKOV, ASEN

Anatomia na domashnite bozainitsi. Sofiya, Nauka i izkustvo. [The anatomy of young domestic animals. Vol. 1. Movable appendages.]

SO: Monthly List of East European Vol. 3, No. 2, 1954
Accessions, Library of Congress, February 1954, Uncl.

PETKOV, AL.

Sound Motion Picture Amplifiers. RADIC (Radio) #10:27:Oct 54

PETKOV, A.

The High Frequency Loudspeaker (Tweeter). Radio Engineering, #6:40:June 55

PETKOV, A.

The "ZVUK" (Sound) Hearing Apparatus. Radio Engineering, #6:43:June 55

PETKOV, A.P. (Sofia)

Some demonstrations with luminescent lamps. Mat i fiz Bulg 7
no. 2-51-55 My-Je '64.

PETKOV, A.V.

Production of liquid folder yeasts at the alcohol plants of the
Krasnodar Territory. Spirt.prom. 27 no.1:35-36 '61.

(MIRA 14:2)

(Krasnodar Territory—Distilling industries)
(Yeast)

PETKOV, A.V.

PETKOV, A.V.

Exchange of progressive technical experience ("Alcohol, liqueur
and vodka industries". Reviewed by A.V. Petkov). Spir. prom.
23 no.3:44-46 '57. (MIRA 10:6)
(Distilling industries)

24 6730,

S/139/62/060/004/002/018
E032/E514

AUTHORS: Petrov, Yu.K., Petkov, A.V., and Kuz'min, V.N.

TITLE: Correction of the radial topography of the magnetic field in cyclic accelerators

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no.4, 1962, 21-27

TEXT: The aim of this work was to investigate whether it would be possible to correct the radial variation in the magnetic field by placing current-carrying conductors directly on the pole faces. Detailed experimental studies have shown that if the distance between the turns of the pole-face coils is made variable and the current through the coils is made to increase linearly at given radial distances, then it is possible (a) to increase the intensity of the focusing magnetic field by about 20% (typically from 9-10 kOe to 12-13 kOe) and (b) to correct the nonlinear saturation effects. In the particular case investigated it was desired to produce a design field of the form

$$H_z(x) = H_z(0) \left[\frac{r_0}{r_0 + x} \right]^n \quad (1)$$

Card 1/2

PETKOV, A.Y.

Distilling industries in Czechoslovakia. Spirt. prom. 25 no.4:18-22
'59. (MIRA 12:7)

(Czechoslovakia--Distilling industries)

PETROV, A. V.

Utilization of the industrial capacity of the existing enterprises
of the oil refining industry. Part. 1. Ministry of Chemical Industry
1965. (Page 181)

1. The above mentioned enterprises produce...
...and... at... of... of... of...

PETKOV, A.V.

Producing alcohol from sugar beets; operational experience of the
"Khutorok" Alcohol Plant. Spirt. prom. 24 no.8:19-20 '68.
(MIRA 11:12)
(Krasnodar Territory--Distilling industries)

ПЕТКОВ, А.В.

Problems in the development of the distilling industry of the
Krasnodar Economic Region. Spirt. prom. 24 no.2:11-12 '58.
(Krasnodar Territory--Distilling industries) (MIRA 11:3)

AUTHOR: Petkov, A.V. SOV/71-59-2-10/26

TITLE: Experiment of Distillery "Khutorok" in Processing Sugar Beet
(Opyt spirtovogo zavoda "Khutorok" po pererabotke sakharnoy
svekly)

PERIODICAL: Spirtovaya promyshlennost', 1959, Nr 2, pp 32-33 (USSR)

ABSTRACT: The new mechanized production line consists of an 80 m hydraulic conveyor, an inclined worm conveyor for discharging beets into the washing trough and 2 conveyors (1 horizontal and 1 inclined) transmitting the beets to the boiling installation. The capacity of this outfit is 80 tons of beets per day. For the sake of fodder this plant processes and distills daily a mixture of 45 tons of beet, 24 tons of grain and 11 tons of molasses. The plant has processed up to the present 4,000 tons of beet and it was found that beet which was harvested 3 months prior to processing requires no cutting up. Simultaneous processing of beet and grain needs no overdosing of malt, which remains to be 14% of the weight of starch. The ready mash passes through the heat exchanger to the fermenter. With admixture of molasses having a concentration of 22 - 28°C according to the saccharometer, the mash has a concentration

Card 1/2

PETKOV, A.V.

Organizing the manufacture of new products at liqueur
and vodka, and alcohol plants. Spirt.prom. 26 no.4:
38-39 A60. (MIRA 13:8)
(Krasnodar Territory--Distilling industries)

PETKOV, A. V.

Problem in complete processing of molasses sirups. Spirt.prom.
26 no.3:30-31 '60. (MIRA 13:10)
(Molasses) (Alcohol)

Petkov, A.V.

A continuous method of pulping starch raw materials
in the alcohol plant at Izobil'noye. A. V. Petkov, Alcohol
Plant, *Stavropol'skiy Prom. Rab. No. 8, 41-3 (1957)*.
A description (with drawings) is given of the equipment
used, the values are furnished for the steam pressures and
temps., and the analyses are presented for acid, KOH, and
fermentable sugars in the washes prod. from the raw
materials worked up this way. Werner Jacobson

PETKOV, A.V.

Review of the collections "Experience in the operation of the Yefremov Industrial Alcohol Plant" and "Alcohol, liquer, and vodka industries," collection no. 5. Spirt. prom. 24 no. 4:38-40 '58. (MIRA 11:7)

(Distilling industries)

PETKOV, A.V.

Operation of beer rectification columns without the removal
of the ester - aldehyde fraction. Spirt.prom. 25 no.8:
38-39 '59. (MIRA 13:3)
(Distillation apparatus)
(Alcohol)

PETKOV, A.V.

Experience of the "Khutorok" Alcohol Plant with processing sugar
beets. Spirt.prom. 25 no.2:32-33 '59. (MIRA 12:3)
(Krasnodar Territory--Distilling industries)
(Sugar beets)

PETKOV

PETKOV, A.V.

Installing a continuous system of cooking starchy raw materials
at the Maikop Distillery. Spirt.prom. 23 no.6:41-43 '57.

(MIRA 10:12)

(Maikop--Distillery industries--Equipment and supplies)

PETKOV, A.V.

Dissemination of progressive practices among plants of the Caucasus
Alcohol Trust. Spirt.prom. 22 no.2:36-37 '56. (MLRA 9:8)

1. Kavkazskiy spirtotrest.
(Caucasus--Distilling industries)

PETKOV, B.

Coils of the "MIR" (Peace), "Druzhiba" (Friendship) and "SEPTEMVRI" (September)
Receivers. Radio Engineering, #6:47:June 55

PETKOV, B.

Bobbin block of the "Olympia" 532 WU Receiver. "RADIO" Ministry of
Communications, #7-8:43:Aug. 55

PETKOV. . .

New-model receivers. p.18.
(RADIO Vol. 4, no. 3, 1955, Sofiya)

SO: Monthly List of East European Accessions, (KRAL). LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

PETKOV, B.

Grids of the Mir, Druzhba, and Septemvri radio sets. p. 47.

Vol. 4, no. 6, 1955
RADIO
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

PETKOV, B.

Bobbin block od the Olympia 532 WU radio. p. 43

Vol. 4, no. 7/8 1955

RADIO

Sofiya, Bulgaria

So: Eastern European Accession Vol. 5, no. 4, 1956

PETKOV, B.

Petkov, B. New-model receivers. p. 1⁸. RADIO. Sofiya. Vol. 4, no. 3, 1955.

SO: Monthly List of East European Accessions, (FEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

PETKOV, B.

PETKOV, B. New things in the last models of the European radio sets. p. 36.
Vol. 5, no. 11, 1956 ELEKTROENERGIJA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 1--April 1957

PETKOV, B.

Coil blocks of Kh. Botev, Rodina, and Pioneer radio sets. p.25.
RADIO I TELEVIZIIA, Vol. 6, no. 1, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

COUNTRY : Bulgaria H-28
CATEGORY :
ABS. JOUR. : ISKRA, o. 1959, No. 96258
AUTHOR : Petkov, B.
EFT. :
TITLE : Methods of Determination of the Physical
Characteristics of Dough.
ORIG. PUB. : Kh.rit. prom-st, 1959, 2. No 3, 18-20
ABSTRACT : N. abstract.

LRPD:

30350

27.1220

S/205/61/001/004/017/032
D298/D303

AUTHORS: Rusev, G., Radev, T., Belokonski, I., and Petkov, B.
TITLE: The sensitivity of hypocatalase guinea pigs to radiation
PERIODICAL: Radiobiologiya, v. 1, no. 4, 1961, 555-558

TEXT: A study was made of the significance of the catalase reaction and the significance of water-soluble peroxides in the pathogenesis of acute radiation sickness. The study was made possible by the fact that Radev (Ref. 4; Izv. in-ta. sravn. patol. zhivotnykh, 4, 135, 1958) discovered guinea pigs whose blood catalase activity was approximately 30 times lower than normal. The tissues of these animals were also poor in catalase. The aim of the experiment was to determine whether hypocatalase guinea pigs were more sensitive to radioactivity than are normal guinea pigs. The animals were exposed to X-ray irradiation in a dose of 500 r at an intensity of 68.3 r/min. Clinical and biochemical examination showed that the course of radiation sickness in the hypocatalase guinea pigs was no graver than in normal animals. This showed that the

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D298/D303

The sensitivity of...

extent of catalase activity has no effect on the course of acute radiation sickness. These findings contradict those of P. Bonnet-Marry and M. Frilley (Ref. 7: C. r. Acad. sci., 2400, 1944) who found that intra-abdominal injection of catalase preparations lengthened the life of irradiated animals. At the same time, the first stage of acute radiation sickness was milder in the hypocatalase animals than in the normal ones. This may be due to the formation of lesser quantities of liposoluble peroxides in the hypocatalase guinea pigs immediately after irradiation. The hypocatalase guinea pigs differed constitutionally from normal animals in that their tissues have greater dehydrase activity and stronger glycolytic powers. The authors attribute the milder course of acute radiation sickness to these features of tissue respiration. These features, however, did not prevent the death of the hypocatalase animals on the 9th day after irradiation. In addition to one of the primary reactions, connected with the accumulation of liposoluble peroxides, some other reaction must develop after irradiation in both groups of animals, leading to their almost simultaneous death. The authors have no data on this reaction. There are 2 figures, 1 table

Card 2/3

Card 3/3

VULEV, Vulo, kandidat na tekhnicheskite nauki; PETKOV, Blagoi inzh.;
BOIADZHIEV, Krum inzh.; TSENOV, Khristo, inzh.

Question of selecting the carburator diffusor which will provide
mazimum feeding of a gas motor. Tekhnika 10 no.10:12-14 '61.

Belgium

Forestry, Forest Management

5, 1958, 10, 1958

Belgium, Belgium, D.

Seed for a New Law for Forest Management
in Belgium

1958, 10, 1958, 10, 1958, 10, 1958

No abstract

CID: 1/1

Commission; Notes from the Forest Management Commission, 1958, 10, 1958

"What was the content of the Commission's report on the seed for a new law for forest management in Belgium?"

(C. M. H. T., Vol. 3, No. 1, 1958, 10, 1958, 10, 1958)

Of: Monthly list of the European Commission, 1958, 10, 1958, 10, 1958

PETKOV, B.

"Utilization of Dead Trees and Damaged Timber in a Forest." p. 351. (Dokl. Bolshadno, Vol. 9, no. 3, Oct. 1953. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, vol. 3, no. 5, May 1954; unclassified

PETKOV, B.

"Red line; danger of losing control of a plane." p. 4. (Aero Svet. Vol. 3, no. 48, Sept. 1953
Beograd.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

PETKOV, B.Ts.

Internal friction in differentials, and its influence
on the controllability of automobiles. Godishnik mash
elekt 10 no.3:9-14 '61 (publ.'62).

PETKOV, Ben'0, inzh

The Melodia 10 radio receiver. Radio i televizia 12 no.10:
306-309 '63.

PETKOV, Chavdar; VELEV, B.

Economic justification of mechanization in vegetable gardening.
Izv mekh selsko stop BAN 1:75-87 '61.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Tsentralniia
nauchnoizsledovatel'ski institut po mkehanizatsiia i
elektrifikatsiia na selskoto stopanstvo" (for Petkov).

BOIADZHIEV, Vl.; STOEV, V.; PETKOV, G.

The diagnostic importance of certain higher nervous system
criteria in case of lead poisoning. Nauch. tr. vissh. med.
inst. Sofia 41 no.5:99-113 '62.

1. Predstavena ot prof. L. TSvetkov.
(LEAD POISONING) (CENTRAL NERVOUS SYSTEM)

PETKOV, C

KPH-2.8 mounted cultivator-fertilizer. p. 29

MASHINIZIRANO ZEMEDELIE. Vol. 7, No. 2, Feb. 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

PEKOV, CH.

The IP-2 plow for removing trees. p. 20.

MASHKIZIRAO ZEMEDLIE VOL. 7, no. 1, Jan. 1957

Sofiya, Bulgaria

so. EAST EUROPEAN ACCESSIONS LIST VOL. 7, no. 7, July 1957

PETKOV, CH

PETKOV, CH. Mechanizing the transplanting and cultivating of tomatoes.
p.13.

Vol. 7, no: 4, Apr. 1956, MASHINIZIRANO ZEMEDELIE, Sofiya, Bulgaria.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10,
Oct. 1956.

PETKOV, CH.

Mounted system for tractors. p. 13.
(Nashinizirano Zemedelie, Vol. 8, no. 1, Jan. 1957, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

PETROV, CH.; VELLA, P.

Terrace-furrowed method for cultivating potatoes.

P. 9, (Znanstvenirobno Semeuchis) Vol. 8, no. 3 Mar. 1957, Sofia, Bulgaria

SU: Monthly Index of East European Accessions (EEAI) Vol. 8, No.11 November 1957