

MITROPOL'SKIY, A.N., kand. med. nauk; YERYKALOVA, O.K.; ANDREYEV, M.F.,
dotsent (Leningrad)

Duration of the incubation period in visceral leishmaniasis.
Klin. med. 41 no.2:126-128 F*63 (MIRA 17:3)

1. Iz kafedry fakul'tetskoy terapii (nachal'nik - prof. V.A. Beyyer) i kafedry infektsionnykh bolezney (nachal'nik - prof. P.A. Alisov) Voenno-meditsinskoy ordena Lenina akademii S.M. Kirova.

Yerykalova II

AUTHORS: Yerykalova, T.T., Noskov, V.V.

32-11-14/60

TITLE: Short Reports (3) (Korotkiye soobsheniya)

PERIODICAL: Zavodskaya Laboratoriya, 1957. Vol. 23, Nr 11, pp. 1308-1308 (USSR)

ABSTRACT: It is suggested in this paper that the determination of the molybdenum content in chromium steel with a high content of chromium be carried out photocolometrically, by which iron in the presence of potassium bromide is regenerated by chlorine lead. Chlorine lead in connection with strong sulphuric acid results in a considerable stabilization of the coloring of molybdenum thiocyanate and shortens the time of determination to about 10 minutes. For carrying out the analysis 0.2 g steel and 20 ml concentrated HCl and HNO₃ are dissolved; 10 ml of concentrated H₂SO₄ are added. For purposes of eliminating nitrogen the solution is heated up and then mixed with distilled water up to 500 ml. 15 ml each of the solution is put into 2 retorts, where each 10 ml of the 50% H₂SO₄, and each 5 ml of a 10% solution of EBr are added. Later, 15 ml of the 10% solution of NH₄CNS and 5 ml of the 10% solution of SnCl₂ + distilled water up to 100 ml are put into one of the retorts. Into the other retort only 5 ml of the 10% solution of SnCl₂ are added. After 3 to 4 min.

Card 1/2

Short Reports (3)

32-11-14/60

colorimetrization with a blue light filter is carried out.

ASSOCIATION: Kuznetsk Metallurgical Combine (Kuznetskiy metallurgicheskiy kombinat)

AVAILABLE: Library of Congress

Card 2/2

GIRSHKAN, I.A., otv. red.; ARABADZHYAN, I.R., red.; GORELIK, L.V., red.; YERYKHOV, B.P., red.; KYAKK, V.A., red.; PECHENKIN, M.V., red.; PAVLOVSKAYA, L.N., red.; SUDAKOV, V.B., red.; SHUL'MAN, S.G., red.

[Collection of reports on hydraulic engineering] Sbornik dokladov po gidrotekhnike. Moskva, Gosenergoizdat, 1961. 243 p. (MIRA 17:7)

1. Nauchno-tekhnicheskaya konferentsiya molodykh nauchnykh rabotnikov, 2d, 1961.

YERYKHOV, B.P., inzh.; GORELIK, L.V., inzh.

Apparatus for remote determination of the extent and speed of
deformation. Izv.VNIIG 62:197-200 '59. (MIRA 13:6)
(Deformations (Mechanics))

YERYKHOV, Boris Petrovich; GIRSHKAN, I.A., red.; FEL'DSHTEYN, B.S.,
tekhn.red.

[Field method for determining the shear modulus of bound grounds
in situ] Polevoi metod opredeleniia modulia sdviga svyaznykh
gruntov v ikh estestvennom zaleganii. Moskva, Gos.energ.izd-vo,
1960. 33 p. (MIRA 14:2)
(Geology--Field work) (Soil mechanics)

YERYKHOV, B. P.

Correlation between the strength and the dynamic characteristics of cohesive grounds of natural structures. Inzh.-fiz.zhur. no.4:123-124 Ap '60. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki, Leningrad.

(Soil physics)

YERYKHOV, B.P., inzh.

Laboratory method of determining the modulus of displacement of
cohesive soils of natural texture. Izv.VNIIG 63:185-200 '60.
(MIRA 14:5)

(Soil mechanics)

YERYKHOV, B. P.

Cand Tech Sci - (diss) "Development of dynamic methods of studying flexible characteristics of connected grounds of natural structure." Leningrad, 1961. 16 pp; (Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obraztsov); 150 copies; price not given; (KL, 6-61 sup, 217)

REL'TOV, B.F., kand. tekhn. nauk; YERYKHOV, B.P., kand. tekhn. nauk

Industrial experience with electroosmosis used to increase the
bearing capacity of hollow cylindrical piles. Gidr. stroi. 33
no.2:51-52 F '63. (MIRA 16:4)

(Piling(Civil engineering))
(Electroosmosis)

YERYKHOV, B.P., kand.tekhn.nauk; ARABADZHYAN, I.R., inzh.; KOUCHIYA, M.V.,
inzh.

Conference on soil stabilization. Gidr.stroi. 33 no.10:57 0 '62.
(MIRA 15:12)
(Soil stabilization--Congresses)

YERYKHOV, B.P.; KOVAL'SKAYA, Z.Ye.; KRICHEVSKIY, I.Ye.

Use of organic binders in electrochemical pecking of soils.
Sbor. dokl. po gidr. VNIIG no.4.107-110 '62.

(MIRA 18:7)

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| 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408</ |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|

2013年12月10日
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APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001962910020-1"

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CIA-RDP86-00513R001962910020-1

table.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001962910020-1"

DINABURG, A.D. [Dynaburg, H.D.]; KLEBANOVA, L.B.; YERYSH, A.I. [Ierysh, A.I.]

Thermoregulation in infectious diseases of the nervous system. Fiziol.
zhur. [Ukr.] 11 no.1:37-44 Ja-F '65. (MIRA 18:7)

1. Otdel nevrologii i neyrofiziologii Instituta fiziologii im. A.A.
Bogomol'tsa AN UkrSSR, Kiyev.

MAKARCHENKO, A.F. [Makarchenko, O.F.]; DINABURG, A.D. [Dynaburg, H.D.];
GORBACH, N.L. [Horbach, M.L.]; SAYENKO-LYUBARSKAYA, V.F. [Saenko-
Liubars'ka, V.F.]; LAUTA, A.D.; YERYSH, A.I. [Ierysh, A.I.]; KLEBANOVA,
L.B.

Clinicophysiological characteristics of diencephalic pathology.
Fiziol. zhur. [Ukr.] 10 no.3:371-378 My-Je '64. (MIRA 18:9)

1. Otdel nevrologii i neyrofiziologii Institut fiziologii im. A.A.
Bogomol'tsa AN UkrSSR, Kiyev.

YERYSHALOV, G., inzh.

Rolling stock for suburban electric railroads. Zhel. dor. transp.
no.1:44-48 '47. (MIRA 13:2)
(Electric railroads--Rolling stock)

YERYSHALOV, G.I., kandidat tekhnicheskikh nauk.

High-speed electric locomotive. Nauka i zhizn' 23 no.3:51 Mr '56.
(France--Electric locomotives) (MLRA 9:7)

YERYSHALOV, G.I., inzh.

Electropneumatic brakes can be made more reliable. Elek. i tepl.
tiaga 2 no.3:15-18 Mr '58. (MIRA 11:4)
(Railroads--Brakes)

RAZUMOVICH, M.B.; KHANIN, M.L.; KAZAKEVICH, Ye.I.; PAVLENKO, O.P.;
YERYSHEV, A.V.

Effect on the photographic emulsion of the volatile products
of tissue decomposition occurring during inflammatory processes.
Zhur. nauch. i prikl. fot. i kin. 9 no.1:60-61 Ja-F'64.

(MIRA 17:2)

1. Pedagogicheskiy institut imeni A.S. Pushkina, Bräst.

KAZAKEVICH, Ye.I.; YERYSHEV, A.V.; PETROV, V.I.

Effect of growth promoting substance of petroselin origin on the
isolated frog heart. Nauch.dokl.vys.shkoly; biol.nauki no.3:50-
52 '65. (MIRA 18:8)

L. Rekomandovana laboratoriyey fiziologii Brestskogo pedagogicheskogo
instituta.

BELOV, V.N. [deceased]; YERYSHEV, B.Ya.; AVRAMENKO, V.G.

Syntheses on a base of ω -chloroalkanoic acids, Part 3; Reaction of ω -chloroalkanoic acids with alkalies. Zhur. org. khim. 1 no.4:645-648 Ap. '65. (MIRA 18:11)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni Mendeleeva.

AVRAMENKO, V.G.; YERYISHEV, B.Ya.; BONDARENKO, Ye.M.; BELOV, V.N.

Syntheses based on ω -chloroalkanoic acids. Part 1: Preparation of unsaturated acids with a terminal double bond by the pyrolysis of ω -acetoxymethanoic acids and their ethyl esters. Zhur.ob.khim. 32 no.4:1119-1123 Ap '62. (MIRA 15'4)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D. I. Mendeleeva.
(Acids, Organic) (Unsaturated compounds)

BELOV, V.N. [deceased]; YERY SHEV, B.Ya.; AVRAMENKO, V.G.; SYCHEVA, Z.F.

Synthesis based on ω -chloroalkanoic acids. Part 3: Synthesis and pyrolysis of S-(ω -carboxy and ω -carboethoxy) alkyl esters of ethylxanthic acid. Zhur. org. khim. 1 no.4:686-688 Ap '65. (MIRA 18:11)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni Mandele'yeva.

AVRAMENKO, V.G.; YERYSHEV, B.Ya.; VARVANINA, G.V.

Syntheses based on ω -chloroalkanoic acids. Part 2: Alkylation
of some amines by ω -chloroalkanoic acids. Zhur.ob.khim. 32
no.4:1123-1125 Ap '62. (MIRA 15:4)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D. I.
Mendeleeva.

(Amines) (Alkylation) (Acids, Organic)

USSR/Medicine - Veterinary

FD 313

Card 1/1

Author : Yeryshkanova, A. A., Scientific Associate

Title : On the question of variability of Brucella bacteria

Periodical : Veterinariya, 6, 24-28, June 1954

Abstract : The author bases his conclusions on limited data resulting from research to determine variability of Brucella bacteria. It was found that Brucella bacteria change into crystal form and can revert back to their original state. Experiments were conducted with strain No 1425 of the Brucella abortus bovis which was obtained from the State Scientific-Regulatory Veterinary Institute (GNKI) in 1947. This strain possessed all the characteristics inherent in that species of Brucella. The author states that although the methods used by G. M. Bosh'yan were not known to him, his conclusions provide strong support for Bosh'yan's crystallization discovery

Institution : Belorussian Scientific-Research Veterinary Experimental Station (NIVOS)

Submitted :

26493
S/044/61/000/004/003/033
C111/C222

K-3000

AUTHOR:
TITLE:

Yeryshov, S.P.

On the estimation of the absolute value of the derivative for
a schlicht conformal mapping of the unit circle onto special
domains
PERIODICAL: Referativnyy zhurnal. Matematika, no. 4, 1961, 17-18,
abstract 4B 87 (Uch. zap. Saratovsk. ped. in-t, 1956, vyp. 23,
97 - 105)

TEXT: Let z , $|z| = r$ - a fixed point of the circle $|z| < 1$, β ,
 β , $0 < \beta < 1$, $0 < \rho \leq r$ - given numbers. With the aid of a method
proposed for an analogous problem by G.M. Goluzin (Matem.sb., 1946, 18,
no. 3, 379-385) which is based on the method of Loevner, the author in-
vestigates the extremal problem of $|f'(z)|$ in the class of functions
being schlicht in $|z| < 1$ the absolute values of which are bounded by
one, and for which $f'(0) = \beta$, $|f(z)| = \beta$. There are (reparable)
errors. The lower estimation is incorrectly calculated. The upper
estimations must read:

On the estimation of the absolute ...

26493
S/044/61/000/004/003/033
C111/C222

$$F_1 = \frac{p}{r} \frac{1+p}{1-p} \frac{(1-x_1)^2}{1-r^2} \left(\frac{x_1}{r}\right)^{\frac{2x_1}{1-x_1}}, F_2 = \frac{1-p^2}{1-r^2} \left(\frac{r}{p}\right)^{\frac{\ln \frac{r}{p}}{\ln p}},$$

$$F_3 = \frac{p}{r} \frac{1-p}{1+p} \frac{(1+x_2)^2}{1-r^2} \left(\frac{r}{x_2}\right)^{\frac{2x_2}{1+x_2}}, a_1 = \ln \frac{r}{p} \left(\frac{1+p}{1-r}\right)^2,$$

$$a_2 = \frac{1-p}{1+p} \ln \frac{r}{p}, a_3 = \frac{1+p}{1-p} \ln \frac{r}{p}, a_4 = \ln \frac{r}{p} \left(\frac{1-p}{1-r}\right)^2$$

and x_1, x_2 are certain roots of the equations

$$\frac{1}{B} \frac{S}{r} \left(\frac{1+x_1}{1+S}\right)^2 \left(\frac{r}{x_1}\right)^{\frac{2x_1}{1+x_1}} = 1, \frac{1}{B} \frac{S}{r} \left(\frac{1-x_2}{1-S}\right)^2 \left(\frac{x_2}{r}\right)^{\frac{2x_2}{1-x_2}} = 1.$$

The author, however, gives the estimation $|f'(z)| \leq F_3$. (cf: Robinson, Trans.Amer.Math.Soc., 1942, 52, 426, 449; R.zh.Mat., 1956, 3, 8739).

[Abstracter's note : Complete translation.]

Card 2/2

YERYUKHIN, A. V.

Standard unit for checking the measuring units of vacuum gauges.
Izm.tekh. no.8;11-12 Ag '60. (MIRA 13:9)
(Vacuum gauges--Testing)

S/032/60/026/008/041/046/XX
B020/B052

AUTHORS: Yeryukhin, A. V., Matveyev, V. P., and Milyavskaya, V. N.

TITLE: News in Brief

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 8, p. 1028

TEXT: The authors mention a method of producing and investigating wire samples by electron microscopy. The wire is wound up to a square frame which is put into polystyrene powder. The polystyrene powder is then melted by heating. The sample thus obtained is cooled down and cut into two pieces. The surface is etched in the usual way by an FeCl_3 solution diluted with ethyl alcohol. Titanium or coal replicas are used for the electron microscopic investigation.

ASSOCIATION: Leningradskiy politekhnicheskiy institut im. M.I. Kalinina (Leningrad Polytechnic Institute imeni M.I. Kalinin).
Vsesoyuznyy nauchno-issledovatel'skiy institut elektro-izmeritel'nykh priborov (All-Union Scientific Research Institute of Electrical Measuring Instruments)

Card 1/1

GULYAYEV, M.A.; YERYUKHIN, A.V.; RYZHOV, V.A.

Sets of standard compression manometers of the All-Union
Institute of Metrology. Trudy inst. Kom. stand., ser 1 izm.
prib. no.50:62-69 '61. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. Mendeleyeva.

(Manometer)

~~VERKHNIY~~ A. V.

Checking measuring blocks of ionization and thermocouple vacuum
gauges. Trudy inst. Kom. stand., ser 1 izm. prib. no. 50:70-75
'61. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. Mendeleyeva.
(Vacuum gauges—Testing)

S/115/62/000/006/002/005
E032/E314

AUTHOR: Yeryukhin, A.V.

TITLE: Measurement of pressures below 1 μ with the aid
of McLeod gauges

PERIODICAL: Izmeritel'naya tekhnika, no. 6, 1962, 16 - 20

TEXT: The author reviews the basic theory of the McLeod gauge with particular reference to the various corrections for effects such as the shape of the meniscus and the sealed-off end of the capillary and describes a detailed procedure whereby these corrections can be allowed for. In addition to the systematic errors due to shape effects mentioned above, there are also random errors which may be reduced by repeating the measurements. A procedure is developed whereby the random errors may be reduced. The overall accuracy which may be achieved in the measurement of pressure down to, say, 2×10^{-5} mm Hg can be increased to better than 1%, which is said to be an improvement on the accuracy achieved by other workers. There are 3 figures and 2 tables.

Card 1/1

L 10719-63 EMT(1)/BDS/ES(w)-2--AFFTC/ASD/USD--Pat-4
 REFERENCE NO. AF0002052 3/25/69/62/010/046/001/0016

AUTHOR: Driga, M. I.; Yeryukhin, A. V.

TITLE: Comparison of compression and ionization manometers with thermomolecular manometer

SOURCE: USSR. Komitet standartov, ser. 1 izmeritel'nykh priborov. Trudy institutov Komiteta, no. 66 (126), 1962. Issledovaniya v oblasti izmereniy davleniya, rashoda i vakuuma, 31-36

TOPIC TAGS: compression manometer, ionization manometer, thermomolecular manometer, TMP-1 manometer, VI-3 vacuumeter

ABSTRACT: A measuring device is described for comparison of various manometers with a calibration manometer of the TMP-1 type. A method for processing the comparative results permits a determination of mean relative errors of various types of manometers and ionization vacuumeters of their readings. For example, the relative error of readings of ionization vacuumeters for the TMP-1 type is determined. The application with measurement range being in the interval from 10⁻⁴ to 10⁻¹ mm Hg of mercury column. In many cases these instruments are used for the calibration of other electrodischarged manometers. The TMP-1 manometer which had a lower measuring range than the

L 10718-63
ACCESSION NR

AT7002055

2.1(1)/RDS/RS(w)-2---APRTO/ASD/SSD---Pub-1
3/2589/52/000/066/0057/0045

AUTHOR: Yeryukhin, A. V.

TITLE: Ionization manometers as calibration instruments (U)

SOURCE: USSR. Komitet standartov, mer, i izmeritel'nykh priborov. Trudy* institutov Komiteta, no 6* (126), 1962. Issledovaniya v oblasti izmereniy daniyev raskhoda i vakuuma, 37-45

TOPIC TAGS: ionization manometer, incandescent cathode

ABSTRACT: Ionization manometers can be calibrated by using a standard compression manometer. Linear extrapolation of the calibration curve is permissible in the area of the curve of the manometer. The action of the manometer is more transparent when the angle of retard is reversed from the operating area of the manometer. Formulas and 4 figures.

Card 1/2

L 10718-63
ACCESSION NR: AT3002053

ASSOCIATION: VNIIM

SUBMITTED: 25Mar61

DATE ACQ: 20Apr63

ENCL: 30

SUB CODE: 00

NO REF SOV: 007

OTHER: 004

bm/CR
Card 2/2

L 10720-63

ACCESSION NR: AT3002054

8/2589/62/000/056/0046 0051

AUTHOR: Yeryukhin, A. V.; Ryukhov, V. A.

TITLE: Depression of mercury in capillary compression manometers

SOURCE: USSR. Komitet standartov, mer, i izmeritel'nykh priborov. Trudy Institutov Komiteta, no. 66 (126), 1962. Issledovaniya v oblasti izmereniya razkhoda i volnizma, 4-51

TOPIC TAGS: depression of mercury, capillary compression manometers, precision of measurement

ABSTRACT: Determination of values of depression of mercury in polished and polished and Marland gauges indicated that capillary depression of mercury in gauges with different diameters, 3 tables, and 3 figures.

ASSOCIATION: VNIIM

SUBMITTED: 26May61

DATE ACQ: 20Apr63

ENCL: 00

SUB CODE: 00

NO REF SCV: 001

OTHER: 001

Card 1/1

YERYUKHIN, A.V.

Allowing for the evacuating effect of mercury vapors in the
calibration of electric discharge manometers by reference to
a mercury compression manometer. Izv. tekhn. no.12:20 D '63.
(MIRA 16:12)

L 1870-66

EWI(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) W

ACCESSION NR: AR5013777

UR/0275/65/000/004/A007/A008

531.788

22
21
B

SOURCE: Ref. zh. Elektronika i yeye primeneniya. Sv. t., Abs. 4A48

AUTHOR: Yeryukhin, A. V.

TITLE: Vacuumetric reference equipment

CITED SOURCE: Sb. Entsiklopediya izmereniy kontrolya i avtomatiz. Vyp 3, M.-L., Energiya, 1964, 13-16

TOPIC TAGS: vacuumeter, ¹⁴manometer

TRANSLATION: Instruments for measuring low absolute pressure have been represented by numerous designs of thermoelectric and electric-discharge vacuumeters operating within 10^2 — 10^{-12} torr. The vacuumeter tolerable relative errors are 10—100% depending on the principle of operation, measurement range, and particulars of design. Calibration curves or constants for hot-wire manometers cannot be calculated with sufficient accuracy. Hence, the calibration and checking of hot-wire manometers are possible only by means of absolute

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L 1870-66

ACCESSION NR: AR5013777

manometers operating at corresponding pressures, i.e., by such manometers which can be calibrated by calculation. With the present state of the art, there are three types of absolute manometers: compression, thermomolecular, and diaphragm-capacity. (1) Compression manometers are designed for pressures from 10^{-2} to 10^{-4} – 10^{-5} torr. The unavoidable systematic errors of these manometers can be reduced to 2–3% of the measured pressure. At the Mendeleyev All-Union Scientific Research Institute of Metrology (VNIIM), Leningrad, sets of first-grade reference compression manometers have been developed; they are intended for reproducing the unit of pressure in an absolute-pressure range of 20 – 10^{-4} torr. Their technical characteristics are essentially similar to those of foreign instruments. Two types are most popular. A manometer with specified capacities is an instrument with a measuring capillary having three portions of different cross-sections and three comparison capillaries arranged in parallel with the measuring capillary. Its range, 4 – 10^{-5} torr, is covered by three linear and one square-law scales. The second manometer has two initial compression volumes V_1 and V_2 , 300 and 60-cm³, and its measuring capillary terminates in a constant compression volume $v = 0.05$ mm represented

Card 2/4

L 1870-66

ACCESSION NR: AR5013777

by a machined hollow cylinder. There is no comparison capillary. The measuring range is $1-10^{-8}$ torr; maximum error up to 10^{-7} torr is ± 5 to $\pm 10\%$ of the measurand and is largely due to errors of measurement of the final compression volume. (2) Thermomolecular manometers. Experimental studies of these manometers have shown that the mean-square error is 2-4% of the measurand and may reach 7% at the lower end of the scale at 10^{-6} torr. The method of using the thermomolecular manometer is complicated, and no construction convenient for practical use has been yet known. (3) A diaphragm-capacity manometer. An investigation conducted at VNNIIM has indicated a possibility to design the diaphragm-capacity manometer for a 0.1-0.001 torr, with a mean-square error of 1% of the measurand. (4) An electronic ionization manometer comprises a hot-wire manometer connected to the test volume and a measuring device. The upper limit of measurement is usually $10^{-3}-10^{-4}$ torr where a deviation from linear relations and high cathode wear begin. A second-grade reference electronic ionization manometer developed at VNNIIM has a scale of $10^{-3}-10^{-10}$ torr and a mean square error of 5-10%. It is calibrated against the reference compression manometer within $10^{-3}-10^{-5}$ torr and covers lower

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L.1870-66

ACCESSION NR: AR5013777

pressures by extrapolation. New methods of calibration are considered.
Bibl. 33.

SUB CODE: IE

ENCL: 00

dy
Card 4/4

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001962910020-1

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001962910020-1"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001962910020-1

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001962910020-1"

KOTEL'NIKOV, L.M.; YERYUKHIN, I.A. (Leningrad)

Changes in the hemagglutination titer of the plasma of the recipient in homoplastic transplantations, Pat. fiziol. i okup. terap 6 no. 6:77-78 N-D '62.

1. Iz kafedry obshchey khirurgii (nachal'nik -- prof. V.I. Popov) Voenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

GULYAYEV, M.A.; YERYUKHIN, A.V.

Metrological problems in the field of vacuum measurement. Izv.
tekhn. no.11:17-20 N '64. (MIRA 18:3)

POMOSOV, D.V.; SLASTIKHIN, M.A.; YERYUKHIN, I.A. (Leningrad)

Two cases of anaphylactic shock following the administration of
bicillin. Klin.med. no.1:144-145 '62. (MIRA 15:1)

1. Iz kliniki obshchey khirurgii Voenno-meditsinskoy ordena Lenina
akademii (nach. - prof. V.I. Popov) imeni S.M. Kirova.
(ANAPHYLAXIS) (BICILLIN)

YERYUKHINA, Z.V.

YERYUKHINA, Z.V., Cand Tech Sci -- (diss) "Metallic paper high
voltage condensers." Mos 1957. 16 pp (Min of Radio Engineering
Industry USSR. Sci Res Inst) (KL, 20-58,97)

YERYUKHINA, Z. N.

57-9-15/40

AUTHOR

TITLE

Yeryukhina, Z.V.

The Problem of Voltage Increase in the Case of a Thermal Breakdown in Metallized Paper Capacitors.
(K voprosu povysheniya napryazheniya teplovogo proboya metallobumazhnykh kondensatorov.)

PERIODICAL

ABSTRACT

Zhurnal Tekhn. Fiz., 1957, Vol. 27, Nr 9, pp.2038-2042
(USSR)

Thermal breakdown voltage in metallized paper capacitors can be increased by constructive measures. This is done by intensifying the heat flow from the interior of the capacitor section packet and increasing heat flow from the surface of the casing. The amount of breakdown voltage can be influenced by the ratio of axial measurements and the distribution of the sections in the interior of the capacitor casing. An approximative calculation is given here. As shown by experiments, results are obtained by calculation which agree with those obtained experimentally. It is assumed that all heat flow lines in the inner parts of the section packet propagate in directions which are vertical to the lateral walls of the capacitor. It is shown that the thermal breakdown voltage can be increased by a reduction of the resistance against the

CARD 1/2

YERYUKHINA, Z.V., kand.tekhn.nauk

Ionization in a condenser dielectric. Elektrichestvo no.5:
85 My '60. (MIRA 13:9)
(Condensers (Electricity)) (Dielectrics)
(Ionization)

YEFIMOV, Yevgeniy Aleksandrovich; YERUSALIMCHIK, Iosif Grigor'yevich;
KOCHNEV, A.T., red.; KOGAN, V.V., tekhn. red.

[Electrochemistry of germanium and silicon] Elektrokhimia
germaniya i kremniya. Moskva, Goskhimizdat, 1963. 180 p.
(MIRA 16:5)

(Electrodes, Germanium) (Electrodes, Silicon)

YERUSALIMSKIY, A. L.

Direct results of treating pulmonary cancer with an aerosol of
the fungus, *Inonotus obliquus* (Pers) Pil. Truch. dala no. 6:
1/4-145 Je '62. (MIRA 1947)

1. Fakul'tetskaya terapevticheskaya klinika (sav. - akademik
AN USSR deystvitel'nyy chlen AMN SSSR, prof. V. N. Ivanov [deceased]
Kiyevskogo meditsinskogo instituta.

(LUNGS--CANCER) (AEROSOLS)
(FUNGI--THERAPEUTIC USE)

YERYUSHEV, N.N.

Problems in the propagation of atmospherics. Izv.Krym.
astrofiz.obser. 18:187-195 '58. (MIRA 13:4)
(Radio--Interference)

SOV/169-59-4-4232

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 4, pp 143 - 144
(USSR)

AUTHOR: Yeryushev, N.N.

TITLE: The Ionosphere Effects of the Great Solar Flare on February 23, 1956

PERIODICAL: Izv. Krymsk. astrofiz. observ., 1958, Vol 20, pp 3 - 11 (Engl.Res.)

ABSTRACT: The author gives analysis results of experimental data obtained by an ionosphere station and equipment for recording atmospherics during the great solar flare on February 23, 1956. It was discovered that the electron concentration (N) in the E₂ and E ionosphere layers increased during this flare. The maximum ΔN values, which could be estimated, were equal to 95% for the E₂ layer and 60% for the E layer. A sudden decrease of the integrated intensity of the atmospherics was observed at 03.45 hours universal time. It was caused by the ionization increase in the

Card 1/2

SOV/169-59-4-4232

The Ionosphere Effects of the Great Solar Flare on February 23, 1956

D layer of the ionosphere due to the radiation of the flare. The author states that the ionosphere effects on February 23, 1956 were unusual and were connected with the property of the solar flare itself.

Author's résumé



Card 2/2

SOV/169-59-4-4233

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 4, p 144 (USSR)

AUTHORS: Yeryushev, N.N., Neshpor, Yu.I.

TITLE: On the Connection Between Solar Flares and Phenomena in the
Lower Ionosphere 12

PERIODICAL: Izv. Krymsk. astrofiz. observ., 1958, Vol 20, pp 12 - 21
(Engl. Res.)

ABSTRACT: A correlation between solar flares and corresponding phenomena on atmospherics ($f = 37$ ko) and on the minimum ionospheric reflection frequencies (f_{\min}) has been carried out, using the vertical sounding method. Results of studying the quantitative connection between them are given. The author discusses problems of the effectiveness of solar flares on the aforementioned types of phenomena in dependence on the location of the flares on the solar disk and on the daytime.

Authors' résumé

✓

Card 1/1

89801

S/169/61/000/003/019/022
A005/A005

9.9120(2603,1036,1041)

Translation from: Referativnyy zhurnal, Geofizika, 1961, No. 3, p. 34, # 3G291

AUTHOR: Veryushev, N. N.

TITLE: On the Variation of the N/ν_{eff} Parameter in the Lower Ionosphere
During Solar Flares

PERIODICAL: "Izv. Krymsk. astrofiz. observ.", 1960, Vol. 23, pp. 129-137
(English summary)

TEXT: Using the results obtained by Alpert on the propagation of long radiowaves, the author attempts to estimate the relative variations of the parameter $(N/\nu)_{\text{eff}}$ (N is the electron concentration, ν is the frequency of impacts) in the lower ionosphere during sudden perturbations caused by solar flares. As experimental materials for processing, data from the continuous recording of the integral intensity of the atmospherics at frequencies of 13, 22, 27, and 32 kc/s were used. It turned out that the variations of $(N/\nu)_{\text{eff}}$ are different for various frequencies during the perturbations. Wide variations of $(N/\nu)_{\text{eff}}$ are observed for the higher frequencies of the considered range. It is also noted

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89801

S/169/61/000/003/019/022

A005/A005

On the Variation of the N/ν_{eff} Parameter in the Lower Ionosphere During Solar Flares.

that the various flares are of different character of effect. Graphs are presented of the variation of $(N/\nu)_{\text{eff}}$ during four solar flares.

Author's summary

Translator's note: This is the full translation of the original Russian abstract.

X

Card 2/2

S/169/61/000/005/042/049
A005/A130

3.5134

AUTHORS: Yeryushev, N.N., Smirnov, A.I.

TITLE: Recording the intensity of atmospherics at 27 kc frequency
with a directional antenna system

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1961, 29, abstract
5 G 247. (Izv. Krymsk. astrofiz. observ., 1960, 24, 32-40
(English summary))

TEXT: The authors describe equipment for the recording of atmospherics at 27 kc frequency with a directional antenna system. They submit preliminary results: 1) the intensity of atmospherics substantially depends on receiving direction. In the overwhelming majority of cases, during the development of solar flare effects, the position of the main focus of sources remains practically constant. 2) The appearance of regular precursors preceding solar flare effects is revealed. The authors

✓
B

Card 1/2

Recording the intensity of atmospherics ...

S/169/61/000/005/042/049

A005/A130

point out a possible connection between these effects and solar processes proceeding prior to the beginning of flare development in the H α -line.

Authors' summary

[Abstractor's note: Complete translation.]

✓
B

Card 2/2

S/169/62/000/008/081/090
E032/E114

AUTHORS: Vladimirovskiy, B.M., Dvoryashin, A.S., Yeryushev, N.N.,
Moiseyev, I.G., Neshpor, Yu.I., Ogir', M.B., and
Odintsova, I.N.

TITLE: The chromospheric flare of August 22, 1958 and the
associated radio- and geophysical effects

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 25,
abstract 8 G 191. (Izv. Krynsk. astrofiz. observ.,
v.26, 1961, 74-89). (abstract in English)

TEXT: Describes the results of observations of the flare
of August 22, 1958, which were carried out at the Krymskaya
astrofizicheskaya observatoriya (Crimean Astrophysical Observatory) ✓
using the coronagraph, radio telescopes, the ionospheric station,
the apparatus for the recording of atmospherics, and the
geomagnetic station, as well as observations at a number of
cosmic-ray stations.

[Abstractor's note: Complete translation.]

Card 1/1

9.9130

10709

S/169/62/000/008/084/090

E032/E114

AUTHOR: Yeryushev, N.N.

TITLE: On the determination of the relative change in the effective conductivity of the lower ionosphere at 22 kc/sec during solar flares

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 27, abstract 8 G 203. (Izv. Krymsk. astrofiz. observ., v.26, 1961, 144-148). (abstract in English).

TEXT: Some solar flares are known to be accompanied by an increase in the field strength of long-wave stations and atmospherics in the region of some tens of kc/sec. The relative change in the field amplitude can be represented by (see R.zh. Fiz., no.9, 1956, 29292)

$$E = E_t/E_{t_0} = P \exp(k_0 r \Delta S) \quad (1)$$

where: E - field strength; $k_0 = 2\pi/\lambda$; λ - wave length; r - distance between the source of the radiation and the point of reception; $P = P_t/P_{t_0}$; $\Delta S = S_{2t} - S_{2t_0}$; P and S - propagation

Card 1/3

On the determination of the ...

S/169/62/000/008/084/090
E032/E114

parameters of long waves, which depend on the conductivity of the ionosphere $\sigma \sim N/\nu$; N - electron density; ν - collision frequency; subscript t_0 refers to the quiet state, and t to the disturbed state. After taking the logarithms of both sides of Eq.(1) and rearranging, the author obtains

$$(\ln E_t - \ln P_t)/(\ln E_{t_1} - \ln P_{t_1}) = \Delta S_t / \Delta S_{t_1};$$

where t and t_1 are two different instants during the disturbed period. Next, assuming that $\ln P_t / \ln E_t = \ln P_{t_1} / \ln E_{t_1}$ and that $\Delta S = 10^{-4} \ln (\sigma_{\text{eff}} / \sigma_{\text{eff},0})$ (both assumptions have been confirmed experimentally), the following formula is obtained:

$$\sigma_{\text{eff}} / \sigma_{\text{eff},0} = \exp [a(r) \ln E] \quad (2)$$

This formula may be used in rapid determinations of the relative magnitude of σ from measured values of E ; $a(r)$ is a distance parameter equal to $\ln(\sigma_{\text{eff}} / \sigma_{\text{eff},0}) / \ln E_{t_1}$ and is practically

Card 2/3

On the determination of the ...

S/169/62/000/008/084/090
E032/E114

independent of the selection of t_1 , i.e. it is independent of the degree of disturbance. From a tabulated form of the function $a(r)$ the author has calculated $\sigma_{eff}/\sigma_{eff,0}$ for a number of cases and has obtained curves showing the variation in σ_{eff} with flare development. Eq.(2) holds for $f = 22$ kc/sec; for other frequencies more complicated expressions must be used. X

[Abstractor's note: Complete translation.]

Card 3/3

VINOGRADOV, Yu.I.; YERYUSHEV, N.N.

X-radiation from flares originating behind the solar disc. Izv.
Krym. astrofiz. obser. 29:141-145 '63. (MIRA 16:10)

L 12993-66 EWT(1)/FCC/EWA(h) GW

ACC NR: AR6000796

SOURCE CODE: UR/0169/65/000/009/A029/A030

SOURCE: Ref. zh. Geofizika, Abs. 9A195

AUTHOR: Yeryushev, N. N.

TITLE: Effect of solar layers on the state of the lower ionosphere

CITED SOURCE: Izv. Krymsk. astrofiz. observ., v. 33, 1965, 164-172

TOPIC TAGS: atmospherics, solar flare, ionosphere, solar x radiation

TRANSLATION: The author studies sudden ionospheric disturbances recorded on long radio wavelengths (atmospherics). The ionospheric effect of solar flares on frequencies greater than 10 kc were studied previously (RZhGfLz, 1961, 36291). In this paper attention is given to the behavior of long radio waves during flares on frequencies of 5 and 7 kc. A detailed description is given of the method used for determining relative electron concentration (and consequently conductivity as well) in the lower ionosphere during the time of the flares. It is found that the relative change in electron concentration during flares decreases with an increase in altitude. An analysis of data on the altitude distribution of relative electron

Card 1/2

UDC: 550.388.2

L 12993-66

ACC NR: AR6000796

concentration during maximum disturbances shows that the spectral distribution in intensity of x-radiation from solar flares changes from flare to flare. An attempt is made to evaluate the energy flux of x-radiation in the approximate spectral region where wave lengths are shorter than 1.9-2.0 angstroms. It is found that for flares in this region during maximum disturbance the density of the energy flux varies from 10^{-7} to 10^{-3} erg/cm²·sec.

SUB CODE: *04*

20
Card 2/2

L 47424-00 SAT 11, 1965 34

ACC NR: AR5023004

SOURCE CODE: UR/0259/65/000/008/0055/0055

AUTHOR: Yeryushev, N. N.

TITLE: Analysis of the ionospheric effect of solar flares, observed on long radio waves and on f min

SOURCE: Ref. zh. Astronomiya, Abs. 8.51.470

REF SOURCE: Izv. Krymsk. astrofiz. observ., v. 33, 1965, 160-163

TOPIC TAGS: astronomic data, solar x radiation, solar flare, solar radiation absorption, ionospheric disturbance, ionospheric radio wave

ABSTRACT: Previously, it had been observed that sudden ionospheric disturbances, caused by the X ray radiation of solar flares, occur on long radio waves (in the atmospherics) twice as often as on f min, i.e., in the absorption of short radio waves. It was shown that the difference in the effectiveness of the disturbances was connected with the distribution of supplementary ionization according to altitudes of the lower ionosphere, which is in turn determined by ionizing radiation peculiarities. Depending on the spectral composition and the intensity distribution of the X ray radiation of solar flares along the spectrum, the ionospheric disturbances may appear simul-

Card 1/2

UDC 523.7:525.23

L 29454-66

ACC NR: AR5023004

taneously in the absorption of the short as well as the long radio waves, or they may occur in them separately. Author's resume,

SUB CODE: 03/ SUBM DATE: none

Card 2/2

L 29453-66 ENT(1)/FCC GN

ACC NR: AR5023005

SOURCE CODE: UR/029/65/000/008/0055/0055

AUTHOR: Yeryushev, N. N.

TITLE: Effect of solar flares on the condition of the lower ionosphere

SOURCE: Ref. zh. Astronomiya, Abs. 8.51.471

REF SOURCE: Izv. Krymsk. astrofiz. observ., v. 33, 1965, 164-172

TOPIC TAGS: astronomic data, solar flares, solar x radiation, solar disturbances, ionospheric disturbance, ionospheric radio wave

ABSTRACT: A study was made of sudden ionospheric disturbances observed in long radio waves. The behavior of long radio waves during flares of 5 and 7 kc frequencies were observed. A detailed description is given of the method used for determining the relative electronic concentration (and therefore of the conductivity) in the lower ionosphere during flares. It was observed that the values of relative variations in electronic concentration during flares decrease with increasing altitude. On the basis of an analysis of the altitudinal distribution of the relative electronic concentration in maximum disturbances, a deduction was made that the spectral distribution of

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UDC: 523.7:525.23

L 29453-66

ACC NR: AR5023005

the intensity of X ray radiation of solar flares varied from flare to flare. An attempt was made to evaluate approximately the energy flow of X ray radiation in the area of the K1.5-2.0A spectrum. It appeared that in the flares observed at maximum disturbance, the density of the energy flow in that area of the spectrum was between 10^{-7} - 10^{-3} erg/cm².sec. Orig. art. has: 15 references. Author's resume.

SUB CODE: 03/ SUBM DATE: none

Card 2/2 *h*

ACC NR: AR6034902

SOURCE CODE: UR/0269/66/000/008/0058/0059

AUTHOR: Yeryushev, N. N.; Yeliseyeva, L. A.

TITLE: Connection between solar radio emission bursts at 3.2 cm and ionospheric effects due to X radiation of solar flares

SOURCE: Ref. zh. Astronomiya, Abs. 8.51.466

REF SOURCE: Izv. Krymsk. astrofiz. observ., v. 34, 1965, 42-52

TOPIC TAGS: x radiation, solar radio emission, radio emission burst, solar flare

ABSTRACT: Temporary connections between radio emission bursts on a wavelength of 3.2 cm and ionospheric SEA and SFA effects are studied. Data collected during 1960 on radiation on a wavelength of 3.2 cm, made available by the Heinrich Hertz Institute (GDR), were used. A detailed statistical investigation showed that in most cases, the beginning of the ionospheric effect lags 1—2 min (in some cases up to 5—8 min) behind the onset of the burst. Sometimes both phenomena occur simultaneously. In a number of cases the lag has an opposite sign. The peak of the ionospheric phenomenon often coincides with the end of the

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UDC: 523.7:525.23

ACC NR: AR6034902

burst. It is noted that the lag time depends on the rate of development of the effect, the lead of the ionospheric effect over the burst being typical for a prolonged development toward the maximum. Analysis of simultaneous observations of centimeter bursts, x-radiation and ionospheric effects has shown that the onset of the effects coincides well with x-radiation and that the observed temporary connections are due to actual conditions of the occurrence of centimeter and x-radiation in the flare. Bibliography has 24 titles. T. Antonova. [Translation of abstract]

SUB CODE: 03/

Card 2/2

YERZAKOVICH, B.

Book by a German explorer on republics of Central Asia and
Kazakhstan. Vest.AN Kazakh.SSR 11 no.9:88 S '55. (MIRA 9:1)

1. Zavednyushchiy Sektorom iskusstvovedeniya Akademii nauk Kaz.SSR.
(Asia, Central--Description and travel)

SAPARGALIYEV, G.S., kand. yurid.nauk; PAL'GOV, N.N., akad.; BGGATYREV, A.S.;
 AFANAS'YEV, A.V., prof.; BYKOV, B.A.; SHARHMATOV, V.F., kand. istor.
 nauk; POKROVSKIY, S.N., akad.; SAVOS'KO, V.K., kand. istor. nauk;
 NUSUPBEKOV, A.N., kand. istor. nauk; BAISHEV, S.E., akad.; GOROKH-
 VODATSKIY, I.S., kand. istor. nauk; AKHMETOV, A., kand. istor. nauk;
 RAKHIMOV, A., kand. istor. nauk; PIVEN', N.F.; CHULANOV, G.Ch., doktor
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 KARYNBAYEV, S.R., kand. med. nauk; AKHMETOV, K.A.,; SMIRNOVA, N.S.,
 doktor filolog.nauk; SIL'CHENKO, M.S., doktor filolog. nauk; YERZA-
 KOVICH, B.G., kand. iskusstvovedcheskikh nauk; RYBAKOVA, N.; MUKHTA-
 ROV, A.I.; BOGATENKOVA, L.I.; KUNDAKBAYEV, B.; SIRANOV, K.S.; SHVYD-
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[The Soviet Kazakh Socialist Republic] Kazakhskaya Sovetskaya So-
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 1960. 477 p. (MIRA 14:6)

1. Akademiya nauk Kaz.SSR (for Pal'gov, Pokrovskiy, Baishev)
2. Chlen-korrespondent Akademii nauk KazSSR (for Bykov, Smirnova,
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(Kazakhstan)

YERZH, A.P.

Potentiometric determination of fatty acids in water-resistant ammonium nitrate. Zav.lab. 31 no.3:286-287 '65.

(MIRA 18:12)

1. Gorlovskiy azotno-tukovyy zavod.

YERZH, A.P.

Work of the central laboratory at the Gorlovo Nitrogen Fertilizer
Plant, Zav, lab, 30 no.8:1028-1029 '64. (MIRA 18:3)

1. Zamestitel' nachal'nika Tsentral'noy zavodskoy laboratorii
Gorlovskogo azotno-tukovogo zavoda.

YERIN, A.P. [Iorzh, A.P.]; STAVRATI, N.V.

Determining solubles and insolubles in the water of iron compounds kept in water-resistant ammonium nitrate. Khim. prom. no.1:63-64 JA-Mr '65. (MIRA 18:4)

YERZH, B.V.; LIVEN, A.V.

A cryostat for laboratory use. Zav.lab. 31 no.10:1274 '65.

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1. Kemerovskiy nauchno-issledovatel'skiy institut khimicheskoy
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YERZHANOV, A.I.

SOKOL'SKIY, D.V., deystvitel'nyy chlen; YERZHANOV, A.I.

Hydrogenation of conjugate double bonds of benzalacetone. Dokl. AN SSSR 93 no.
3:503-505 N '53. (MLRA 6:11)

1. Akademiya nauk Kazakhskoy SSR (for Sokol'skiy).
(Hydrogenation) (Acetone)

VERL#R/4/ #5

Effect of the addition of a small amount of hydrogen peroxide on the rate of hydrogenation of cinnamaldehyde in basic medium.

The effect of the addition of a small amount of hydrogen peroxide on the rate of hydrogenation of cinnamaldehyde in basic medium was studied. The results show that the addition of a small amount of hydrogen peroxide increases the rate of reaction at the C=O bond, but has little effect on the rate of reaction at the C=C bond. With cinnamaldehyde hydrogenation the addition of small amounts of H_2O_2 retards the reaction at the C=C bond, followed by increased rate at higher concentrations. In basic medium the rate of reaction at the C=O bond is greatly reduced by the addition of a small amount of hydrogen peroxide. The results are explained by the variation of the strength of binding of H to the catalyst is affected by the addends.

G. M. Kozlovskiy

MA
45

YERZHANOV, A.I.; SOKOL'SKIY, D.V.

Potentiometric study of the hydrogenation of benzalacetone. Izv.
AN Kazakh. SSR. Ser.khim. no.1:71-78 '58. (MIRA 12:2)
(Acetone) (Hydrogenation) (Potentiometric analysis)

YERZHANOV, A.I.

PHASE I BOOK EXPLOITATION SOV/3537

Attestatsiya nauk Kazakhskoy SSR. Institut khimicheskikh nauk
Trudy t. 5 (Transactions of the Institute of Chemical Sciences,
Kazakh SSR, Academy of Sciences, Vol 5) Alma-Ata, Izd-vo
Akademii nauk Kazakhskoy SSR, 1959. 154 p. 1,000 copies
printed.
Ed.: M.D. Zhukova; Tech. Ed.: Z.P. Morozina; Editorial Board of
Series: D.V. Sokol'skiy (Resp. Ed.), V.O. Gutsalyuk, and
M.V. Suvorov (Resp. Secretary).

PURPOSE: This collection of articles is intended for personnel of
scientific research laboratories, laboratories of industrial
enterprises, and faculty members of schools of higher education.
CONTENTS: The collection reviews problems of liquid-phase catalytic
hydrogenation of unsaturated bonds of various types, adsorption of
generation on different catalysts, chromatographic separation of
mixtures, and the effect of halogen salts of alkali metals on
the rate of hydrogenation reactions promoted by various skeleton
catalysts are described. Conditions of catalytic hydrogenation
of natural fat, sunflower oil, and such synthetic products as
esters and high-molecular fatty acids are set out. Dehydration
of the butanol fraction carried out in combination with isomeri-
zation is analyzed. Principles of selecting catalysts and re-
generating them are reviewed and the formation of adsorption
potentials on metal catalysts is explained. Each article presents
conclusions drawn on the basis of experimental findings.
References accompany most of the articles.

- Shenina, V.P., R.M. Khasanova, and D.V. Sokol'skiy. Chromato-
graphic separation of mixtures of microbenzene-aniline products 28
Golodova, L.S., and D.V. Sokol'skiy. Study of Hydrogenation Reac-
tions of Natural Fats and Their Simplest Synthetic Analogues, the
Esters of High-Molecular-Fatty Acids 36
Golodova, L.S., D.V. Sokol'skiy, and Ye.A. Podryachaya. Kinetics
and Mechanism of Hydrogenation of Sunflower Oil in Solutions 44
Luk'yanov, A.I. Problem of Formation of Adsorption Potentials
on Metal Catalysts 50
Yerzhanov, A.I., and D.V. Sokol'skiy. Potentiometric Study of
Hydrogenation of Benzalacetone Over Skeleton Pt/M Catalysts 56
Bavalkina, I.A., G.V. Parlova, Z.E. Prussakova, and D.V. Sokol's-
kiy. Dehydroisomerization of the Commercial Fraction of n-Butane
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Pis't, R.M. [Moskovskiy institut tekhnicheskoy tekhnologii
Imeni M.V. Lomonosova-Moscow Institute of Fine Chemical Tech-
nology Imeni M.V. Lomonosov]. Some Principles of Selecting Cata-
lysts for Liquid-Phase Hydration of Acetylene to Acetaldehyde 81
Shecheglov, M.I., and D.V. Sokol'skiy. Some Methods of Reactivating
The Skeleton Nickel Catalyst 92
Shecheglov, M.I., and D.V. Sokol'skiy. Hydrogenation of Acetylene
in the Liquid Phase 97
Sokol'skiy, D.V., and I.P. Durnina. Hydrogenation of a Sodium
Salt of Propionic Acid Over Platinum 110
Sokol'skaya, A.M., and D.V. Sokol'skiy. Hydrogenation of Cinnamal-
Alcohol (Styrene) 110
Card 4/5

SOKOL'SKIY, D.V.; GOLODOV, F.G.; GOLODOVA, L.S.; YERZHANOV, A.I.;
POD'YECHEVA, Ye.L.; Prinsipali uchastiy: KARSYBEKOV, M.A.,
dotsent; SDOBNOV, Ye., diplomnik; ANTONOV, N., diplomnik

Hydrogenation of cottonseed oil in solvents in a laboratory
column-type flow system with a fixed-bed catalyst. Trudy
Inst.khim.nauk AN Kazakh.SSR 8:128-136 '62. (MIRA 15:12)
(Cottonseed oil) (Hydrogenation)

YERZHANOV, T. S.

24-58-3-36/38

AUTHOR: Solomonov, M.

TITLE: Elaboration of the Problem of Rock Pressure (K razrabotke problemy gornogo davleniya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 3, pp 173-174 (USSR)

ABSTRACT: A conference devoted to the phenomena of earth pressure in the rocks surrounding horizontal and vertical workings took place in December 1957 at the Mining Institute of the Academy of Science of the USSR. More than 100 representatives of 49 scientific-exploratory bodies, universities and mining enterprises took part in the conference. The conference brought to light problems of theoretical interest related to the distribution of stresses in the rocks, their displacement around the workings and an estimate of pressure upon the timbering of workings - all in line with contemporary notions of the theory of elasticity, plasticity and a creep - flowage. Of exceptional interest among the reports submitted were those which brought to light the role of anisotropy, the problems of an assessment of the creep-flow of rocks and of the influence of the stopping operation upon displacement of

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Elaboration of the Problem of Rock Pressure.

rocks and exposure of the earth pressure in drifts. The following papers were presented: A. S. Kosmodamianskiy on "An estimate of stressed conditions in an anisotropic massif with the workings within it"; Yu. M. Liberman on "The influence of the time factor revealed by the pressure and displacement of rock in drifts under the influence of stopping operations"; K. V. Ruppeneyt "Pressure and displacement in drifts under the influence of stopping operations"; M. I. Rozovskiyy "Methodology of laboratory definition of a creep-flow character of rocks and calculation of the flowage around vertical shafts"; T. S. Yerzhanov "Methodology of a laboratory estimate of the characteristic of flowage of rocks and computation of a creep-flowage around vertical main shafts"; T. A. Kryzhanovskaya "Investigation of the problem of rock pressure upon timbering of horizontal workings based on the theory of viscosity and plasticity of the creep-flow". Of the papers devoted to the investigation conducted under shaft conditions, the conference drew attention to measurements made in the railway tunnels and subways in the Nikopol' Manganese basin and the Donetsk basin and in the main shafts at great depths. B. N. Vinogradov on "Investigation into the phenomenon of earth pressure in tunnel construction"; A. G. Barlas on "An

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analytical examination of work (behaviour) of timbering in the weak surrounding rocks and measurements of deformations of timbering and the load in the horizontal workings of Nikopol' Manganese basin"; M. A. Komissarov on "The earth pressure around horizontal and inclined workings in connection with the stopping of coal seams under the conditions of the Donets basin"; A. M. Yanchur on "The investigation of the manifestation of earth pressure in vertical shafts of the Donets basin at great depths". The conference expressed its gratitude to the Czechoslovak scientist, Doctor-Engineer Rudol'f Kvapcil for his interesting communication on the theory of earth shocks.

Card 3/3

1. Geology--Conference--USSR

YERZELINOV, ZH. S.

Earth Pressure

Theory of displacement of rocks of ore deposits. /Trudy/ VNIMI, 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 195²₈, Uncl.

YERZHANOV, Zh.S., kandidat tekhnicheskikh nauk.

Shattering forces in outcrops and orebodies. Izv.AN Kazakh.SSR
Ser.gor. dela no.3:54-61 '51. (MLRA 9:6)
(Blasting) (Mining engineering)

1. YERZHANOV, ZH. S.
2. USSR (600)
4. Coal Mines and Mining
7. II. Studying the process of rock displacement, Ugol' 28, no. 3, 1953.

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

SOV/124-57-4-4786

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 130 (USSR)

AUTHOR: Yerzhanov, Zh. S.

TITLE: On a Methodology of the Determination of the Structural Elements of
of a System of Blockwise Demolition (O metodike opredeleniya
konstruktivnykh elementov sistemy blokovogo obrusheniya)

PERIODICAL: Uch. zap. Kazakh. un-ta, 1954, Vol 15, Nr 1, pp 144-161

ABSTRACT: The paper points out the insufficient accuracy of the method of the
determination of the size of a block as suggested by K. M. Charkviani
[V. sb.: Voprosy gornogo dela (Mining Problems). U letekhizdat,
1948]. The author of the paper under review suggests a method for
the determination of the block dimensions, taking into consideration
the effect of the thickness and depth of the mine working and the time
spent in the state of deep dipping. The question is reduced to the
solution of the problem of the stability of a cantilever or thick slab
by the method of equating the moment of the force of gravity and the
moments of the cohesion forces. The problem of the stability of the
hanging and foot walls of the block is examined using stress-distribu-
tion curves plotted according to A. N. Dinnik [Dinnik, A. N.,

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SOV/124-57-4-4786

On a Methodology of the Determination of the Structural Elements of a System (cont.)

Morgayevskiy, A. B., Savin, G. P., Tr. soveshchaniya po upravleniyu gornym davleniem (Transactions of the Conference on the Control of Rock Pressure). Izd-vo AN SSSR, 1938]. For an approximate calculation the author applies V. D. Slesarev's theory of limiting spans [Mekhanika gornyx porod (The Mechanics of Rocks), 1948], corroborated by the investigations of G. N. Kuznetsov [Mekhanicheskiye svoystva gornyx porod (The Mechanical Characteristics of Rocks). Ugletekhizdat, 1947]. The following conclusions are reached: 1) The dipping height of a block is determined by the formula

$$b = \sqrt{\frac{16 R K a}{\gamma \cos \alpha}}$$

where R is the depletion coefficient (ratio of the gangue volume to the ore volume, K is the tensile strength, a is the horizontal thickness of the deposit, γ is the volumetric weight of the rock, and α is the dip angle of the deposit; 2) the length and width of the block must be approximately equal. The ratio of the block height to the block width must be not less than 1:1.5.

K. K. Glazenap

Card 2/2

BELAYENKO, F.A., prof., doktor tekhn.nauk; YERZHANOV, Zh.S., kand.tekhn.nauk;
GLUSHKO, V.T., inzh.; BERLIN, Yu.D., inzh.

Some preliminary results of studying physical and mechanical properties
of Krivoy Rog rocks and methods of testing them. Nauch. dokl. vys. shkoly;
gor. delo no.3:62-69 '58. (MIRA 11:9)

1. Predstavlena kafedroy shakhtnogo stroitel'stva Dnepropetrovskogo
gornogo instituta im.Artema.
(Krivoy Rog--Rocks--Testing)

YERZHANOV, Zh.S., kand.tekhn.nauk; PARCHEVSKIY, L.Ya., inzh.

Donets Basin rock creeping under the effect of flexure. Izv.
vys.ucheb.zav.; gor.zhur. no.9:51-57 '58. (MIRA 12:6)

1. Dnepropetrovskiy gornyy institut.
(Donets Basin--Rocks--Testing)

YERZHANOV, Zh.S., dotsent

Plastic flow limit of fractured massifs in ore deposits. Izv.vys.
ucheb.zav.; gor.shur. no.8:41-44 '59. (MIRA 13:5)

1. Dnepropetrovskiy Ordena Trudovogo Krasnogo Znameni gornyy
institut imeni Artema. Rekomendovana kafedroy marksheyderskogo
dela.

(Shear (Mechanics))

(Mining engineering)

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

- [illegible]

YERZHANOV, Zh.S., dotsent; ROZOVSKIY, M.I., dotsent

Creep of rock in studying stability near a timberless mine shaft.
Izv.vys.ucheb.zav.; gor.zhur. no.4:53-57 '60.

(MIRA 14:4)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy
institut imeni Artema. Rekomendovana kafedroy marksheyderskogo
dela.

(Mining geology)

YERZHANOV, Zh.S., kand.tekhn.nauk

Designing structures on an elastic foundation with a secondary
effect. Vest.AN Kazakh.SSR 16 no.3:29-33 Mr '60. (MIRA 13:6)
(Foundations)