DOROKHOV, V.N.; EUBAKHIN, V.N.; BIL'GIL'DEYEV, A.S.; DOMANOVSKIY, A.V. Use of synthetic oils and fatty acids for oil-coating of rabbit pelts. Kosh.-obuv.prom. 2 no.5:15-17 My '60. (MIRA 13:9) (Hides and skins)

APPROVED FOR RELEASE: Friday, July 28, 2000 C

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SOLOV'YEV, D.A.; DOROKHOV, V.N.

International Fall Fair in Leipzig. Kozh.-otuv.prom. 3 no.6: 30-31 Je '61. (MIRA 14:8)

APPROVED FOR RELEASE: Friday, July 28, 2000

DOROKHOV, V.N.; CHERNOMORDIK, L.M.

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New developments in the equipment of Leningrad Fur Factory No.1. Kozh.-obuv.prom. 4 no.2:17-20 F '62. (MIRA 15:2 (Leningrad--Fur industry) (MIRA 15:4)

	20 FOR RELEASE: FILLIDY, JULY 28, 2000 CIA-RDF80-00513R00041.
DOROK	17 CV, Y.V.
USSR/Nucle	ear Physics - Structure and Properties of Nuclei. C-4
Abs Jour	: Ref Zhur - Fizika, No 4, 1957, 8706
Author	: Demirkhanov, R.A., Gutkin, T.I., Dorokhov, V.V., Rudenko, A.D.
Inst	,
Title	: Masses of Isotopes H, D, He <sup>4</sup> and $C^{12}$
Orig Pub	: Atom. energiya, 1956, No 2, 21-27
Abstract	: A new exact measurement of the masses of the atoms H, D, He <sup>4</sup> and C <sup>12</sup> has been made. The measurements were car- ried out with a mass spectrograph developed by Ardennet with the participation of Eger and the authors of this work. The apparatus has double focusing by means of electric and magnetic fields, effected respectively by cylindrical capacitor and a sector magnet. The iron beam is created by a plasma source with single contrac- tion of the discharge. Recording of the mass spectrum is photographic; "Schumann" plates are used. There
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C-4

USSR/Nuclear Physics - Structure and Properties of Nuclei.

Abs Jour : Ref Zhur - Fizika, No 4, 1957, 8706

is the possibility of visually observing the spectrum with the aid of an ion-optical converter.

The maximum resolution of the instrument is 100,000 --120,000, and the dispersion (roughly calculated) is not less than 2.34 cm percent of relative mass difference. The calibration of the scale of the masses of the instrument is made using photographs of certain basic lines, namely those of the groups .

$$N^{14^+} - N^{14}H^+ - N^{14}H_2^+ - N^{14}H_3^+, C_4^{12}H_3^+ - C_4^{12}H_4^+ - C_4^{12}H_5^+$$
  
and  $O^{16^+} - O^{16}H^+ - O^{16}H_2^+.$ 

The masses of the atoms H, D,  $He^{I_4}$  and  $C^{12}$  were found from photographs of the doublets  $H_2$  -- D,  $D_2$  --  $H^4$ ,  $D_3$  -- 1/2

 $C^{12}H_{L} - O^{16}$ . The results are:

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USSR/Nuclear Physics - Structure and Properties of Nuclei. Abs Jour : Ref Zhur - Fizika, No 4, 1957, 8706 C-4 H -- 1.008142 ± 10<sup>-6</sup>, He<sub>4</sub> -- 4.003872 ± 4 x 10<sup>-6</sup>, D -- 2.014736  $\pm$  2 x 10<sup>-6</sup>, and C<sup>12</sup> -- 12.003820  $\pm$  5 x 10<sup>-6</sup>. The data obtained are in agreement with the values determined from the energy balance of the nuclear reactions.

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## "APPROVED FOR RELEASE: Friday, July 28, 2000



<ul> <li>Ref Zhur - Fizika, No 1, 1958, 452</li> <li>Demirkhanov, R.A., Gutkin, I.I., Dorokhov, V.V.</li> <li>Mass of the Isotope He<sup>3</sup>.</li> <li>Atomn. energiya, 1957, 2, No 5, 469-470</li> <li>A mass-spectroscopic determination was made of the mass of the isotope He<sup>3</sup>, in a mixture of helium isotopes enriched with He<sup>3</sup> to 99.5%, using a setup previously described (Referat Zhur Fizika, 1957, we helium isotope) described (Referat Zhur Fizika, 1957, we helium isotop)</li> </ul>
Mass of the Isotope He <sup>3</sup> . Atomn. energiya, 1957, 2, No 5, 469-470 A mass-spectroscopic determination was made of the mass of the isotope He <sup>3</sup> , in a mixture of helium isotopes en- riched with He <sup>3</sup> to 90.54 using a seture of the mass
Atomn. energiya, 1957, 2, No 5, 469-470 A mass-spectroscopic determination was made of the mass of the isotope He <sup>3</sup> , in a mixture of helium isotopes en- riched with He <sup>3</sup> to 90.54 using a seture of active
A mass-spectroscopic determination was made of the mass of the isotope $He^3$ , in a mixture of helium isotopes en- riched with $He^3$ to 90.54, using a patient
riched with He <sup>3</sup> to 90.5% using a nature isotopes en-
cribed (Referat Zhur Fizika, 1957, No 4, 8706). The mass was measured in the doublets $H^3$ He3 and HD3 He3. The results of the measurements were checked against the HD H3 doublet. The mass scale was cali- brated against the spectrum N <sup>14</sup> H N <sup>14</sup> H <sub>2</sub> N <sup>14</sup> H <sub>3</sub> . The value obtained for the mass of He3 is 3.016970 $\pm$ 2 atomic units of mass. The data of this

Abs Jour	:	Physics - Structure and Properties of Nuclei Ref Zhur - Fizika, No 1, 1958, 453	C-4	1
Author Inst Title	:	Demirkhanov, R.A., Gutkin, I.N., Dorokhov, V.V.		
_	:	Masses of the Isotopes C <sup>13</sup> , N <sup>14</sup> , and N <sup>15</sup> .		
Orig Pub		Atomn. energiya, 1957, 2, No 6, 544-551		
Abstract ard 1/2		Results are reported on new mass-spectrographic measurements of the masses of Cl3, N <sup>14</sup> , and N <sup>15</sup> . It is shown that there exists "an internal agreement" for the values of the masses of these isotopes, obtained from various systems of coublets. The measurements were performed under conditions that exclude the systematic errors. A procedure is given for a precision adjustment of the ion-optical system. For the masses of Cl3, $N^{14}$ , and N <sup>15</sup> . It is shown the values obtained were 13.007491 $\stackrel{<}{=}$ 3 x 10 <sup>-6</sup> , 14.007527 $\stackrel{<}{=}$ 4 x 10 <sup>-6</sup> and 15.004890 f 5 x 10 <sup>-6</sup> atomic units of masses respectively, which is in good agreement with the values	3	

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24(5)	
AUTHORS:	Demirkhanov, R. A., Gutkin, T. I., E0V/56-35-4-13/52
TITLE:	Ruclear Bond Engine to a
	Neutron Magic Numbers (Energiya svyasi galar v oblesti sagichettikh chisel po protonam 62 i neytronam 126)
PERIODICAL:	Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, V.35 No 4 pp 917 - 925 (USSR)
ABSTRACT :	The authors of the present paper report on ich em- perimental material which is arranged in a clear manner in tables. By means of a mass spectrograph (resolving power 60000-80000, description in references 4,5) the masses of the following isotopes were measured: Lead: Pb 204, 206, 207 and 208 (Table 2) Mercury: Hg 198, 199, 200, 201, 202 and 204 (Table 3) Bismuth: Bi 200
Card $1/3$	Determination of masses was carried out by direct comparison with the masses of the corresponding

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Nuclear Bond Energy in the Region of the 82 Proton and 126 Neutron Magic Numbers

con and 307/56-30-4-13/52

ortanic compounds, as e.g. for  $Pb^{2}04 - Cl_{16}H_{12}$ ,  $Pb^{2}08 - C_{14}H_8O_2$ ,  $Hc^{1}99 - C_{13}H_{11}O$ ,  $H_{\rm g} 204 - C_{16}H_{12}$ , TI 203 -  $C_{16}H_{11}$ , TI 205 -  $C_{16}H_{13}$ , Bi 209 - C14<sup>H</sup>13<sup>N</sup>2. The masses for the various isotopes are given up to 6 decimals, data given are accurate up to 3-4 decimals. From mass measurements the nucleon bond energies in the nucleus are calculated. The results obtained indicate a shell structure of the nucleus with a well-filled shell of 82 protons and 126 neutrons. The difference of the nuclear bond energy for an even and odd number of nucleons in the nucleus and its smoothing out as the shell is filled up can distinctly be seen. After the shell is filled up with Z = 82and N= 126, the bond energy of the next neutron is higher than that of the next proton. The energy of two bound neutrons (which yields the Hg 204 nucleus) is greater than the energy of attachment of two protons in the formation of the Pb 204 nucleus. The authors thank Ye.Ye.Baroni, T.N.Lebsadze, K. A.

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CIA-RDP86-00513R0004110100

Nuclear Bo d Scorgy in the Region of the 82 Proton and Sov/56-35-4-13/52 126 Neutron Magic Numbers

> Kovyrzina and V.M.Shoniya for placing the metallographic compounds and the heavy hydrogen at their disposal, and they also express their gratitude to P.S.Brostyuk, M.I. Dzkuya and G.A.Dorokhova for their practical help. There are 2 figures, 9 tables, and 10 references, 4 of which are Soviet.

SUBMITTED: May 17, 1958

Card 3/3

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APPROVED FOR RELEASE: Friday, July 28, 2000

#### CIA-RDP86-00513R0004110100

**AUTHORS:** Demirkhanov, R. A., Gutkin, T. I., 20-118-6-14/43 Dorokhov, V. V. TITLE: Masses of Load Isotopes (Massy izotopov svintsa) PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 6, pp. 1103-1104 (USSR) The present paper reports on the results of the measuring of the masses of load isotopes  $Pb^{204}$ ,  $Pb^{206}$ ,  $Pb^{207}$  and  $Pb^{209}$ . **ABSTRACT:** These measurements were carried out in connection with the determination of the binding energy of the nucleons in a nucleus in the range of the magic numbers 82 and 126 with respect to the protons and with respect to the neutrons, respectively. All this is connected with the necessary exact definition of the mass of the isotore  $Pb^{208}$  which is used as base value for the computation of the masses of heavy isotopes with z 🍾 82 from the data of the nuclear reactions. The measurements were carried out by means of a device described already Card 1/3earlier by the same authors (ref 1). The dissolving power

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#### CIA-RDP86-00513R0004110100

# Masses of Lead Isotopes

20-118-6-14/43

of this device amounted in this region to 60,000 - 80,000. In order to increase the accuracy of the measurements the masses of the lead isotopes were determined by immediate comparison with the corresponding mass of hydrocarbons which contain the isotopes  $H^1$ ,  $C^{12}$  and  $O^{16}$ . The values obtained here were controlled by the determination of the mass of the lead isotope from various doublets and by the production of lead ions from various compounds. Each value  $\Delta \mathtt{M}$  of the doublet was determined by treatment of 18-20 mass spectrograms (which were photographed on different plates). The results of the measurements are given in a table. Following is shown by the data of this table: Within the measuring error limits a satisfying "inner" connection exists between the mass values detected from various doublets. The results found here confirm the absence of systematic measuring faults and the reliability of the data obtained here. Finally the differences between the present measurements and the earlier ones are pointed out

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lasses of L	ead Isotopes 20-118 -6-14/43				
PRESENTED:	There are 3 tables and 4 references, 2 of which are Soviet				
	September 26, 1957, by L. A. Artsimovich, Nember of the Academy of Sciences, USSR				
UBMITTED:	July 5, 1957				
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AUTHORS:	Demirkhanov, R. A., Gutkin, T. I., SOV/56-36-5-62/76 Dorokhov, V. V.
PITLE:	The Mass of the Isotope Pu <sup>239</sup> (Massa izotopa Pu <sup>239</sup> )
PERIODICAL:	Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 5, pp 1595-1596 (USSR)
ABSTRACT :	Already in a number of previous papers the authors reported on the mass determinations of lead and uranium isotopes, and they also described the mass-spectrometric device used for these measurments (Post 4).
	the Editor" they give a report on measurements carried out with Pu <sup>239</sup> by means of this spectrometer, which has a resolving power of 60,000 - 80,000. For mass determination doublets of various organic compounds work work
Card 1/3	consisted of the already exactly known elements H, $C^{12}$ and $O^{16}$ , viz. alizarin ( $C_{14}H_8O_4$ , $M = 24C$ ) and perilen ( $C_{20}H_{12}$ , $M = 252$ ). Ion formation occurred in an arc discharge in helium, the pairs $Pu^{239}$ - organic compound

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The Mass of the Isotope Pu239 SOV/56-36-5-62/76 were introduced into the discharge by evaporation from special crucibles. The mass differences  $\Delta M$  of the doublet and the corresponding mass values of Pu<sup>239</sup> are: doublet MMME mass of Pu<sup>239</sup>, [ME]  $Pu^{239} - C_{14}H_{7}O_{4}$ 18.448<u>+</u>0.082 239.128922+92  $C_{19}H_{11} - Pu^{239}$ 33•447<u>+</u>0•067 239.128695+74 The mass of Pu<sup>239</sup> Mean value:  $239.128784\pm103$ 239.128025±155 if a correction of the more accurately known value of Pb<sup>208</sup> is taken into account, and 239.126999+150 if this correction is not taken into account. It is found that the difference of the masses of  $Pu^{239}$  and  $U^{238}$  calculated according to the authors data, when compared with the data obtained from nuclear reactions, amounts to only 0.166+0.250 mME, i. e. that it is still within the limits of errors. It is therefore assumed that the error of  $\sim 1$  mME is due to an inaccurate Q-value. Card 2/3

APPROVED FOR RELEASE: Friday, July 28, 2000

The Mass of the Isotope Pu239

SOV/56-36-5-62/76 There are 1 table and 4 references, 3 of which are Soviet. SUBMITTED: February 2, 1959

Card 3/3

21(8) AUTHORS;	Demirkhanov, R. A., Gutkin, T. I., SOV/20-124-2-16/71 Dorokhov, V. V.
TITLE:	The Masses of the Isotopes $Th^{232}$ , $U^{234}$ , $U^{235}$ and $U^{238}$ (Massy izotopov $Th^{232}$ , $U^{234}$ , $U^{235}$ i $U^{238}$ )
PERIODICAL:	Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 2, pp 301-303 (USSR)
ABSTRACT: Card 1/3	Measurement of the masses of Th <sup>232</sup> , $U^{234}$ , $U^{235}$ and $U^{238}$ made it possible to determine the binding energy of nucleons in the nuclei not only of these isotopes but also of many radioactive isotopes connected with them by the naturally-radioactive series 4n, 4n + 2 and 4n + 3. The exact masses of these isotopes have hitherto not been determined by direct measurements. The authors determined the masses of these isotopes by means of an already previously (Ref 3) described mass-spectrographical device having a resolving power of the order of 60000 - 70000. The masses of the isotopes were determined by direct comparison with the corresponding mass of organic compounds. These organic compounds contained H <sup>1</sup> , C <sup>12</sup> and N <sup>14</sup> , the masses of which are known.

CIA-RDP86-00513R0004110100

The Masses of the Isotopes  $Th^{232}$ ,  $U^{234}$ ,  $U^{235}$  and  $U^{230}$ 

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SOV/20-124-2-16/71
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The substances used for measurements are given; control was carried cut by determining the mass of  $U^{230}$  from the doublets

 $C_{19}^{12}H_{10}-U^{238}$  and  $C_{18}^{12}C_{19}^{13}H_{19} - U^{238}$ . Short reference is made to a second control method. Each doublet was determined by the evaluation of 18-20 mass spectrograms (which had been photographed on different plates). Results of measurements are given by a table. The masses of the isotope  $U^{238}$ , which were determined from 2 different doublets, agree well with one another within the limits of measuring errors. The "mean value" calculated by taking account of weight amounts to  $M_{U^{238}}=238.127284 \pm 35.10 - 6$ mass units. The mass values determined by the present paper are lower than the corresponding values determined by nuclear reactions. Also these differences remain within the limits of

permissible deviations, an exception being formed only by uranium.

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APPROVED FOR RELEASE: Friday, July 28, 2000

CIA-RDP86-00513R0004110100

The Masses of the Isotopes Th<sup>232</sup>, U<sup>234</sup>, U<sup>235</sup> and U<sup>238</sup> SOV/20-124-2-16/71

The authors thank Ye. Ye. Baroni and K. A. Kovyrzina for placing heavy hydrogen at their disposal, and they also thank M. I. Dzkuya, G. A. Dorokhova and P. S. Brostyuk for their active help. There are 3 tables and 11 references, 6 of which are Soviet.

PRESENTED: September 26, 1958, by L. A. Artsimovich, Academician

SUBMITTED: August 29, 1958

Card 3/3

#### CIA-RDP86-00513R0004110100

89257 s/048/61/025/001/023/031 24.6510 B029 / B063 AUTHORS: Demirkhanov, R. A., Gutkin, T. I., Dorokhov, V. V. TITLE: Masses of heavy atoms and binding energies of nuclei in the range of  $174 \leq M \leq 239$ PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 1, 1961, 124-129 TEXT: The results of mass-spectrographic measurements of nuclear masses in the range of  $174 \leq M \leq 239$ , carried out for a large number of isotopes with an accuracy of 10-7 to 5.10-7, are presented. The mass spectrograph with double focusing used for the purpose had a resolution of 50,000-80,000. The masses of heavy nuclei were measured by the doublet method and with the use of the organic compounds  $C_n H_m$ ,  $C_n C^{13} H_m$ ,  $C_n N_m H_k$ , and  $C_n O_m N_k H_p$  as standard masses. The question as to whether there is a fine structure in the curve of binding energy in the mass range with A  $\sim$  200 can only be answered if the accuracy of measurement is improved by one Card 1/10

APPROVED FOR RELEASE: Friday, July 28, 2000

CIA-RDP86-00513R0004110100

89257

Masses of heavy atoms and binding ...

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order of magnitude, i.e., to  $\Delta M/M \sim 3 \cdot 10^{-7}$ , and a discontinuity of  $\sim$ 3 Mev in the binding energy can be established with an accuracy of  $\sim$  20% if  $\Delta M/M \sim 3 \cdot 10^{-6}$ . The high degree of accuracy with which the dispersion coefficient can now be measured, and the method developed by the authors make it possible to increase the accuracy of measurement in the respective mass range by a factor of 10-50. In many cases, the mass of the isotope was determined from various doublets, i.e., the "inner agreement" was taken into account. Table 1 contains the masses of the Re, W, Ta, and Hf isotopes and, for comparison, the masses obtained by the mass-spectroscopic method and nuclear reactions. The masses of Re185, Hf179, Hf177, and Hf<sup>174</sup> were measured for the first time. The mass values of the majority of isotopes measured by the authors are higher than those obtained in Refs. 8 and 9. This is obviously due to the fact that a defective standard mass had been used. A comparison of the present data with similar values obtained by other methods is of particular interest. The results of the present paper are compared in Table 2 with those of other papers. They agree with those published by W. H. Johnson and V. B. Bhahot

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Masses of heavy atoms and binding ...

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(Ref. 17) within the limits of error, but differ from the results obtained from nuclear reactions by about the double error. According to what has been said above, the Q values for the reactions  $Hf^{177}(x,n)wt^{176}$  and  $wa^{179}(x,n)wt^{176}$ 

Hf<sup>177</sup>( $\gamma$ ,n)Hf<sup>176</sup> and Hf<sup>179</sup>( $\gamma$ ,n)Hf<sup>178</sup> are probably erroneous, or the limits of error in the determination of the Q values of these reactions must be increased two or three times. The nuclear masses of 42 stable isotopes measured by the authors were then used to determine E/A as a function of A (per nucleon) within the range 174  $\leq M \leq 210$  (cf. Fig.). In addition, the binding energies of 66 radioactive nuclei were calculated. Table 3 contains the binding energies B<sub>n</sub> of the last neutron and B<sub>p</sub> of the last proton, and also the pairing energies P<sub>n</sub> and P<sub>p</sub> of the neutrons and pro-

tons, respectively, for the Hf, Ta, W, and Re isotopes. On the strength of these measurements it is possible to establish some rules concerning nuclear energies. The nucleus has a shell structure, and the shell is completely filled at Z = 82 and N = 126. In the case of nuclei with odd A, the binding energy is always lower than in the case of nuclei with even A. At equal values of Z, the shell structure may be derived also

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Masses of heavy atoms and binding ...

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from the mutual behavior of the (Z+1)th proton and the (N+1)th neutron (Z = 82, N = 126). The binding energy of the last neutron or proton satisfies the law of conservation of parity. The authors thank Ye. Ye. Baroni and his co-workers K. A. Kovyrsina and V. M. Soyfer for several preparations, as well as M. I. Dzkuya and G. A. Dorokhova for assistance. This is the reproduction of a lecture read at the Tenth All-Union Conference on Nuclear Spectroscopy, Moscow, January 19-27, 1960. There are 1 figure, 3 tables, and 21 references: 8 Soviet-bloc and 13 non-Soviet-

Card 4/10

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DEMIRKHANCV, R.A., DORCKHOV, V.V.

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Mass of the isotope Pu<sup>240</sup>. Zhur. eksp. i teor. fiz. 40 no.4:1033-1034 Ap '61. (MIRA 14:7) (Plutonium--Mass)

APPROVED FOR RELEASE: Friday, July 28, 2000 CIA-RDP86-00513R00041101002

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DEMIRKHANOV, R.A.; DOROKHOV, V.V.; DZKUYA, M.I. Isotope masses and binding energies of nuclei in the region from strontium to ruthenium. Zhur. eksp. i teor. fiz. 40 no.6:1572-1582 Je '61. (MIRA 14:8) (Nuclei, Atomic) (Isotopes-Mass)

#### CIA-RDP86-00513R0004110100

\$/020/62/146/001/008/016 B108/B102 Demirithanov, R. A., Jorokhov, V. V., Dzkuya, M. I. AlT.ich. The isotope masses of lutecium, ytterbium and thulium TEPEL: FURICOICAL: Akademiya nauk 353R. Doklady, v. 146, no. 1, 1962, 72 - 74 -11.x2: The isotope masses were measured with a double-focusing mass appectroproph. For reference, doublets formed by ions of the element to be cleasured and by organic compounds consisting of H<sup>1</sup>, C<sup>12</sup>, C<sup>13</sup>, N<sup>14</sup>, C<sup>16</sup> were used. The spectrograph was able to resolve the masses of  $c^{12}$  and  $c^{13}$ . The mass of each isotope was calculated from the mass of the doublet. Results show good agreement with those by V. B. Shanot et al. (Phys. Rev., 120, no. 1, 235, 1960). There are 1 figure and 1 table. PRESENTIO: May 3, 1962 by L. A. Artsimovich, Academician SUBMITTED: Larch 26, 1962 Card 1/2

**APPROVED FOR RELEASE:** Friday, July 28, 2000

CIA-RDP86-00513R0004110100



DEMIRKHANOV, R.A.; DOROKHOV, V.V.; DZKUYA, M.I.

Isotope masses and nucleon binding energies in the rare-earths region (150 4 4 176, 63 4 71). Izv. AN SSSR. Ser. fiz. 27 no.10:1338-1356 0 '63. (MIRA 16:1 (MIRA 16:10)



DEMIRKHANOV, R.A.; DOROKHOV, V.V.; DZKUYA, M.I.

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Masses of stable isotopes of neodymium, praseodymium, cerium, and lanthanum. Izv. AN SSSR.Ser. fiz. 29 no.5:857-861 My '65. (MIRA 18:5)

APPROVED FOR RELEASE: Friday, July 28, 2000

IYERUSALIMSKIY, N.D.; ANDREYEVA, Ye.A.; GRISHANKOVA, Ye.L.; GOLOVLEV, Ye.L.; DOROFHOV, V.V.; ZHUKOVA, L.N.

> Study of microflora of refinery waste waters. Prikl. blokhim. i mikrotiol. 1 no.2:163-166 Mr-Ap 165.

(MIRA 18:11)

1. Institut mikrobiologii AN SSSR, Moskva.

	AP6015206	(A)	SOURCE CODE	UR/0411/65/001/002	/0163/0166
UTHORS:	Iyerusalimski hov, V. V.; Zh	y, N. D.; Andre ukova, L. N.	eyeva, Ye. A.; Gris	hankova, Ye. L.; Gol	
RG: Ins		obiology, Acade	emy of Sciences,SSS	R, Moscow (Institut	53 B
ITLE: A	study of the	microflora of c	sewage of petroleum	refineries	
OURCE:	Prikladnaya bi	okhimiya i mikr	robiologiya, v. 1,	no. 2, 1965, 163-166	
OPIC TAG east, ar	S: bactoria, omatic hydroca	fuel microorgar rbon, diesel fu	niam, industrial wa Mel, kerosche	ste, petroleum refin	ing,
ctive al ix-fold o. 4 and ere kept ultures he mycob ram-nega	imes from wast extraction by a sample of a in the active were extracted acteria were 4 tive nonspore- cter. The yea	e phenolic wate benzene) were c lime from the t state in Sënge , and 145 other 4%, the bacteri forming. They sts were Candid	er and from oil tra studied. Recent an trap of No. 4 were en's medium at pH 7 c cultures wore ext is 20%, and yeast 2 were represented m la and Torulopis.	etroleum refineries a ps (purified of petro d old slimes from oil also studied. The sp . From the slimes, f racted from similar s G%. All the bacteria ostly by Pseudomonas All of the extracted	blown by l refinery pecimens 575 sources. a were and micro-
SULLOWODS.			· · · · · · · · · · · · · · · · · · ·	sel-fuel distillate,	

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ACC NR:	AP6015206				40 (Frank and and a frank a	, nama analysis and an	<u></u>
paraffin-base petroleum. It was found that only certain mycobacteria and bacteria grow in aromatic hydrocarbons. Orig. art. has: 3 tables.						Č	
SUB CODE:	06,11/SUBM DATE:	18Jan65/	ORIG REF:	003/	OTH REF:	009	

APPROVED FOR RELEASE: Friday, July 28, 2000 CIA-RDP86-00513R00041101002

DOROKHOV, V.Ya.

Genesis of platform structures of the second and third orders.  $I_{zv}$ .AN SSER.Ser.geol. 25 no.1:15-27 a '60. (MIRA 13:8)

1. Nizhne-Volzhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo geologo-razvedochnogo neftyanogo instituta, g.Saratov. (Saratov Province--Geology, Structural)

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SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 6B426 REF SOURCE: Sb. Algoritmiz, proizv. protsessov. Seminar. Vyp. 8. Kiyev, Nauk. dumka, 1965, 16-31 TOPIC TAGS: data readout, data retrieval, discrete automation, optimal control ABSTRACT: The problem is considered of selecting the frequency of data readout from discrete signal transducers; thereby it is assumed that a certain value of the fre- quency can lead to data losses. Both data losses caused by equipment failure and structural losses associated with the method and speed of processing the given type of input signals serve as the criterion of system's operation. A method for determin- ing the optimum frequency of data readout are shown. Equations are derived which make it possible, for a given magnitude of permissible data losses, to select a definite value of the data processing cycle which would determine the upper limit of the optimum frequency of data readout. [Translation of abstract] 4 illustrations and bibliography of 8 titles. N. S.	ACC NRI AR6029303	SOURCE CODE: UR	/0271/66/000/006/B056/B056
ABSTRACT: The problem is considered of selecting the frequency of data readout from discrete signal transducers; thereby it is assumed that a certain value of the fre- quency can lead to data losses. Both data losses caused by equipment failure and structural losses associated with the method and speed of processing the given type of input signals serve as the criterion of system's operation. A method for determin- ing the optimum frequency of data readout is indicated, and the upper and lower limits of the optimum frequency of data readout are shown. Equations are derived which make it possible, for a given magnitude of permissible data losses, to select a definite value of the data processing cycle which would determine the upper limit of the optimum frequency of data readout. [Translation of abstract] 4 illustrations and bibliography of 8 titles. N. S.	UTHOR: "Dorokhov, Ye. Ya.		· · · · · · · · · · · · · · · · · · ·
REF SOURCE: Sb. Algoritmiz, proizv. protsessov. Seminar. Vyp. 8. Kiyev, Nauk. dumka, 1965, 16-31 TOPIC TAGS: data readout, data retrieval, discrete automation, optimal control ABSTRACT: The problem is considered of selecting the frequency of data readout from discrete signal transducers; thereby it is assumed that a certain value of the fre- quency can lead to data losses. Both data losses caused by equipment failure and structural losses associated with the method and speed of processing the given type of input signals serve as the criterion of system's operation. A method for determin- ing the optimum frequency of data readout is indicated, and the upper and lower limits of the optimum frequency of data readout are shown. Equations are derived which make it possible, for a given magnitude of permissible data losses, to select a definite value of the data processing cycle which would determine the upper limit of the optimum frequency of data readout. [Translation of abstract] 4 illustrations and bibliography of 8 titles. N. S.	ITLE: The optimum frequency of d	ata readout from discrete	signal transducers
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CITE CONF. 09 13	iscrete signal transducers; there uency can lead to data losses. B tructural losses associated with of input signals serve as the crit ing the optimum frequency of data of the optimum frequency of data r t possible, for a given magnitude value of the data processing cycle optimum frequency of data readout.	by it is assumed that a c oth data losses caused by the method and speed of p erion of system's operati readout is indicated, and eadout are shown. Equati of permissible data loss which would determine th	ertain value of the fre- equipment failure and rocessing the given type on. A method for determin- the upper and lower limits ons are derived which make es, to select a definite he upper limit of the
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BYKHOVSKIY, I.I. (Moskva); DOROKHOVA, A.D. (Moskva); ZARETSKIY, L.B. (Moskva); LUKOMSKIY, S.I. (Moskva)

Some periodic movements and the structure of the phase space of an impact-vibration system with a regularly recovered force. Izv. AN SSSR. Mekh. i mashinostr. no. 2:161-165 Mr-Ap '64. (MIRA 17:5)

BOROVIKOV, Vasiliy Aleksandrovich; KOSAREV, Vladimir Kuz'mich; KHODOT, Georgiy Aleksandrovich; SLAVIN, M.I., kand. tekhn.nauk, retsenzent; DOROKHOVA, A.Ir, inzh, retsenzent; GESSEN, V.Yu., doktor tekhn. nauk, Fed.; SOBOLEVA, Y.M., tekhn. red.

> [Electrical networks and systems] Elektricheskie seti i sistemy. Moskva, Gosenergoizdat, 1963. 459 p. (MIRA 16:8) (Electric lines--Overhead)

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USSR/Disea	898	of Farm Animals, Non-Contagious Diseases, R-2
Abs Jour	t	Ref Zhur-Biol., No 18, 1958, 83583
Author Institute Title		Fedorov, B. T., Mirolyubov, I.I.; Polivanskaya, K. D.; <u>Dorokhova, A. K.</u> No institute is given Steatitis Disease in Minks.
Orig Pub	:	Karakulevodstvo i zverovodstvo, 1957, No 6, 54-56
Abstract	8	At one of the sovkhozes for animal breeding, an outbreak of polyavitaminosic steatitis ("yellow fat" disease) occurred among young minks. The disease was characteri- zed by a general depression, by food refusal, by dia- rrhea with yellow or dark-green faces, sometimes by seizures accompanied by spasms or paralyses. An auto- psy of succumbed animals uncovered a well advanced de- generative adiposity. The disease was caused by con- tinuous feedings of fish remnants containing rancid fat to the animals.
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#### DOROKHOVA, D.V.

Vasomotor lesions in focal inflammatory brain diseases in children. Fiziol.zhur. [Ukr.] 10 no.4:551-554 J1-Ag '64.

(MIRA 18:11)

1. Detskava psikhonevrologicheskava klinika i laboratoriya fiziologii vysshey nervnoy deyatel'nosti Ukrainskogo psikhonevrologicheskogo instituta, Khar'kov.

DOROKHOVA, K.Ya.; SOKOLOVA, T.A.

Chemical composition of the layer covering the grains of primary minerals in some mountain-taiga soils of eastern Transbaikalia. Pochvovedenie no.10:34-36 0 '63. (MIRA 16:12)

1. Pochvennyy institut imeni V.V.Dokuchayeva.

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FRIDLAND, V.M.; DOROKHOVA, K.Ya.; ZHITKOVA, A.I.

Nature of the structure of humid tropical soils (Morth Vietnam). Dokl. AN SSSR 154 no. 3:707-709 Ja '64. (MIRA 17:5)

1. Pochvennyy institut im. V.V.Dokuchayeva i Ministerstvo sel' skogo khozyaystva SSSR. Predstavleno akademikom I.P.Gerasimovym.

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DOROKHOVA, M.A.

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Tollowing Valentina Gaganova's example. Transp.stroi. 10 no.3:7 Mr '60. (MIRA 13:6) (Shipitsina, Anfisa Ivanovna)

CA LOROKHOVA, MI.T.

Lymansens. of decircultures of a similar stide. II. New medical of synthesis of annihils of a similar stide. V. F. Kurburwe and M. 1. Derpharm. Zhur. (Makhai Khim. I). (Jeen Cherne) 21, 1200 GI (184); J. (Sen. Chern. U.S.S. K. 1990). The similar of the similar state of the simil

MI, at 0°, gives 3.2 g. cruche N//, saft of Diem-(carbary)mino make anode, thereany. Its, 4', which, halled antil dismino make anode, there (1), and NII., viewing 07% prophysical de (3). Long (2), and NII., viewing 07% promersion and of the set of the set of the set of the set of the first of end of the set of the set of the set (08-7°), produced wide, 00%, m. (06-8°) to be set of the set of 08-7°), produced wide, 00%, m. (16-8°) to be set of the 3-set of the set of the set of the set of the set of the 0.5 hr, at 0°, set is an error of the arrive is dry McOH at 3 hours 0° of the 3-sity-12, 5-diketony set of the set of the set of the origin of the corresponding of carboxy and its at the set bailed 1 hr. in McOH, then allowed in stand 1 hr. yields the desired decarboxy dispetition and the set of the set of the set of the 0.5 hr. at 0°, the set of the set of the set of the set of the desired decarboxy dispetition of the discovery dispetition is reare, the arrive set of the set of the corresponding of carboxy antinon acting which, and of the decarboxy dispetition is reare, the arrive at the discover decarboxy dispetition is the set of the set of the set of the desired decarboxy dispetition is the set of the discover (1) (2.3 g.) and 20 met of 3-coperprises 3-dibetox and disc (1) (2.3 g.) and 20 met of 3-coperprises of the set of the discover (1) (2.3 g.) and 20 met of 3-coperprises of the set of the discover (1) (2.3 g.) and 20 met of 3-coperprises of the set of the discover (1) (2.3 g.) and 20 met of 3-coperprises of the set of the discover (1) (2.3 g.) and 20 met of 3-coperprises of the set of the discover (1) (2.3 g.) and 20 met of 3-coperprises of the set of the discover (1) (2.3 g.) and 20 met of 3-coperprises of the set of the discover (1) (2.3 g.) and 30 met of 3-coperprises of the set of the

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which yielded 63% 1 yieldow www.ide), bu www. styliosactrosmide), bu walka protramide, bu 110-11", bu analog of I gave the is). N-methyliscraproamid is. N-methyliscraproamid N-methyliscrap ide), by 109-10"; at 1.4712, r smalog of 1 gave 56.3% pt 110-11", wh 1.4702, dt 0.9 1.4712. 41\* 0.9940 awine)-N-methylices presmide", densmp. 98-104", which gave 63% BL-memine N-methylices presmide, b, 131°, st 1.4670, di<sup>o</sup> 0.9800. The 3-Bu analog of I gave 60% pt.-awine.-N-methylicespresmide, b, 130-1°, st<sup>o</sup> 1.4488, di (1.9074, which crystallises on probanged standing. The 2 bersylexploresmide, b, 140-1°, hor-newine.V-methyl-phraylexploresmide, b, 140-1°, hor-newine.V-methyl-phraylexploresmide on the start of the start N-A620, di<sup>o</sup> 0.9973; incepresentide satisfe, 81.3%, b, 140-1°, st 1.4670, di<sup>o</sup> 0.9973; incepresentide satisfe, 85%, b, 100-1°, st 1.4778, di<sup>o</sup> 1.0075 (HCI sall, sn. 202-3°), and capre smide satisf, 82%, b, 175-6°, crystg. on cooling.

RATIN

DOROKHOVA, M. I.

SSR/Chemistry - Pharmaceuticals	11 Neb 53
"The Synthesis of Quinuclidinecard M. V. Rubtsov,"M. I. Dorokhova, Al Chemicopharmaceutical Inst im S. (	L1-Union Sci-Res
DAN SSSR, Vol 88, No 5, pp 843, 84	44
Worked out a simple 5-step synthes clidinecarboxylic acid-(2) startin and mesoxalic ester. Presented by Rodionov 28 Nov 52.	ng with $\gamma$ -picoline
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Dorckhouz . M.L. 1.1.1 Santa Arra -----11 37: 7 Precipitation of eleminism compounds in alkoholic of function A and pm

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DOROKHOVA, M. I.

Dorokhova, M. I. -- "Investigation of Certain Transformations of Simple Ethers of Styrol Halohydrins." All-Union Sci Res Chemicopharmaceutical Inst imeni S. Ordzhonikidze. Moscow, 1956. (Disseration For the Degree of Candidate in Chemical Sciences.)

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So: KNIZHNAYA Letopis', No. 11, 1956, pp 103-114

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MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; ZHELOKHOVTSEVA, A.M.; IVANOV, A.I.; ARENIMARUK, A.F.; GALCHENKO, M.I.; SKOHODUMOV, V.A.; SMOLIN, D.D.

> Styrene as  $r_{DW}$  material for the production of synthomycin and levomycetin. Part 1: Synthesis of p-nitro-(-acylaminoncetophenones. Antibiotiki, 4 no.2:21-24 Mr-Ap '59. (MIRA 12:7)

1. Vaesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze (for Mikhalev, Dorokhova, Smolina, Zhulokhovtseva). 2. Institut farmakologii i khimioterapii AMN SSSR (for Skoldinov, Ivanov, Arendaruk, Galchenko, Skorodumov, Smolin).

(CHIORAMPHENICOL, prep. of.

synthesis from styrene through p-nitro-o(-acylaminoacetophenones (Bus)) (VINYL COMPOUNDS

styrene, use in chloramphenicol synthesis through p-nitro-A acylaminoacetophenones (Rus))

(KETONES

p-nitro-d-acylaminoacetophenones, intermediate in chloramphenicol synthesis from styrens (Rus))

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MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; ZHELOKHOVTSEVA, A.M.; TIKHONOVA, O.Ya.; SKOLDINOV, A.P.; AREMDARUK, A.P.; SMOLIN, D.D.; BOLOVKINA, T.V.; SLONOVA, L.A.

> Styrene as an initial product for synthomycetin and levomycetin production. Part 2: Synthesis of p-nitroacstophenone and p-nitro-X-bromacstophenone. Antibiotiki 4 no.4:21-24 J1-Ag "59. (MIRA 12:11)

N. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze (for Mikhalev, Dorokhova, Smolina, Nhelokhovtseva, Tikhonova). 2. Institut farmakologii i khimioterapii AMH SSSR (for Skoldinov, Arendaruk, Smolin, Golovkina, Slonova).

(CHLORAMPHENICOL chem) (KETONES chem)

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MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.

Mechansim of conversions of *d*-acylamino-*f*-oxypropiophenones into the corresponding benzoyl acetyls. Part 2: Synthesis and cleavage of *d*-benzenesulfamidoacrylophenones. Zhur. ob. khim. 30 no.11:3714-3718 N'60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni. S. Ordzhonikidze. (Acrylophenone)

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MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; TIKHONOVA, O.Ya.

 $\beta$  -Haloalkyl amines and products of their transformations. Part 1: Reaction of bis( $\beta$ -chloroethyl)amine with  $\alpha$ -oxides. Zhur. ob. khim. 34 no.ll:3716-3719 N '64 (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordznonikidze.

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The process is also soca as the alkali a excess solvent is di solutions of the read	8582 ylaminoethyl chloride salt is used, facilitated and simplified by using gent. To prevent excessive dilution stilled simultaneously with introduc ction products. For all the synestr computed disthylaminoethyl chloride	cautic potash or caustic of the reaction mass, the tion of the alcohol ol to react, 150-170%
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MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; TIXHONOVA, C.Ya.

B-haloalkyl amines and their transformation products. Part 2: Derivatives of N', N"-dispirotripiperazinium. Zhur.org.khim. 1 no.3:460-464 Mr '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im. S.Ordzhonikidze.

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		307(1)/T/307(6) 286/65/000/012/0063/000 266.3	63
	AUTHOR: Lekc, V. K.; Dorokhova, M. L. TITLE: Glass for glass ceramic materials. Class 32, No. 17	72001 B	
	SOURCE: Byulleten' izobreteniy i tovarnykh znakov, nc. 12, TOPIC TAGS: glass, glass ceramic pyroceram, sitall, semicon	en e	
	ABSTRACT: An Author Certificate has been issued for a glass produce glass cerumics with an electronic conductivity of 10 the glass is formulated to contain: $30-50\%$ SiO <sub>2</sub> , $5-15\%$ CM 3C% max B <sub>2</sub> O <sub>3</sub> , $10-20\%$ MgO, 15% max CaO, $3\%$ max Ha <sub>2</sub> O, 4% max	$10_{2}$ , $5-25$ Al <sub>2</sub> O <sub>3</sub> ,	<b>To</b>
1.5	produce glass certains with an electronic conductivity of it	$10_{2}$ , $5-25$ Al <sub>2</sub> O <sub>3</sub> ,	
	produce glass cerumics with an electronic conductivity of it the glass is formulated to contain: 30-50% SiO <sub>2</sub> , 5-15% ( 30% max B <sub>2</sub> O <sub>3</sub> , 10-20% MgO, 15% max CaO, 3% max Na <sub>2</sub> O, 4% max metal.	$10_{2}$ , $5-25$ Al <sub>2</sub> O <sub>3</sub> ,	
	produce glass certains with an electronic conductivity of it	$10_{2}$ , $5-25$ Al <sub>2</sub> O <sub>3</sub> ,	To the second

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ZHUKOVSKIY, V.I.; DOROKHOVA, M.P.; ZARIMHA, N.Ye.; DYKMAN, D.G.; BOYS, G.V. Data of the thermographic investigation of barium titanate with some admixtures. Isv. AN SSSR Ser. fis. 24 no.10:1294-1295 0 '60. (MIRA 13:10) (Barium titanate)

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#### CIA-RDP86-00513R0004110100

Эн<sub>К</sub>

S/799/62/000/003/002/008

AUTHORS: Avaliani, Yu.Ye., Alekseyev, Yu.N., Glukhov, Yu.N., Dorokhova N.A., Tanetov, G.I.

TITLE: The arithmetic equipment of a specialized machine.

SOURCE: Akademiya nauk SSSR. Institut elektronnykh upravlyayushchikh mashin. Tsifrovaya tekhnika i vychislitel'nyye ustroystva. no.3. 1962, 14-23.

TEXT: The paper describes an arithmetic equipment (AE) of the parallel'type, which operates with 22-digit binary numbers with a fixed decimal point and which performs addition, subtraction, multiplication, division, extraction of the square root, matching, shifting, and transposition of numbers. An acceleration in the multiplicational operations is achieved by the accumulation of the partial products without transitional carry-overs. The system of the elements and the design principles of the AE are briefly examined. The system of elements comprises a static trigger, a potential-impulse gate, and logic diode circuits. All of the elements are made up of semiconductor devices. The network of the AE is presented in skeletal form, which comprises the various equipments that serve to perform the elementary operations in each register, and the equipments that receive numbers from other partial parts of the machine. The operational algorithms of addition, subtraction,

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# The arithmetic equipment of a specialized machine.

#### S/779/62/000/003/002/008

and division, and the technical methods in the design of the logical circuits which help to realize the algorithms, are similar to those employed in some existing computers, for example, the M-2. Thus, for example, the adding equipment of the AE differs in its logic structure from that employed in the M-2 machine only by the content of cyclic carry-over circuit from the higher digit to the lower digit. While the operation of algebraic matching exhibits certain peculiarities dependent on the character of the problems to be solved, there is nothing interesting from the point of view of engineering. In this operation, the same circuits as those utilized in addition and subtraction are employed. The operation of shifting is also of no additional interest, since it employs the same shifting circuitry employed in multiplication and division. In the multiplication the partial products remain immobile, whereas the multiplicand is shifted to the right. It can be shown that to obtain, in such procedure, an accuracy of no less than a unit of the lowest digit for 22-digit initial figures, it is necessary to have 3 additional digits in the AE prior to rounding off. Extraction of the square root follows almost precisely the same method as that employed in high-school long-hand work, that is, with division of the number into pairs of digits, extraction of the square root of the highest digital pair, and all the other subsequent steps required by the 2-rectangles-cum-small-square method, until the remainder is either zero or smaller than the required accuracy residual. The duration of the extraction of the square root amounts to 112 cadences or 317 µ sec.

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المدار المامينين فتوجيع الصبار وتوجا بالتعرف بالمراز وتنهي

## The arithmetic equipment of a specialized machine.

S/779/62/000/003/002/008

If the number of which the square root is to be obtained has a minus sign, then all the digits go to zero, and the operation comes to a halt. The description of the AE elements comprises the static trigger, the logical diode scheme, and the potential impulse gate, schematic circuits for all of which are shown. A block diagramits shown for a basic (k-th) digit of the AE. The AE described contains approximately 1,000 semiconductor triodes and 4,000 semiconductor diodes, all of which operate in regimes in which current intensities, voltages, and powers do not exceed the rated values. A special cooling system ensures maintenance of all semiconductor devices at room temperature. The circuits employed ensure maintenance of a stable operation of the AE under power-supply-voltage fluctuations of  $\pm 10^{\circ}$ /o from nominal values. The electrical power supply of the AEris provided by a 400-cps rotary generator through rectifiers assembled in a 6-phase circuit. The total power requirements of the AE is approximately 0.8 kw. I The AE is currently in experimental operation. There are 5 figures and 3 references (2 Russian-language Soviet and the English-language A.A. Robinson, Multiplication in the Manchester University high-speed digital computer. Electronic Engrg., v.25, no.299, 1953).

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BURNASHEV, M.S.; CHEPURNOV, V.S.; KUBRAK, I.F.; DOROKHOVA, N.I. n a sense a su a contra como en a secondo de manere a companya a competencia de secondo de secondo de secondo d

Materials on fishes of the Sasyk (Kunduk) Ingoon collected in the summer of 1956. Uch.zap.Kiah.un, 52:63-72 '58. (MIRA 13:6) (Sasyk Lagoon--Fishes)

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IVANOV, B.I.; DOROKHOVA, N.P.; BOROZDINA, Ye.V.; KOSAREVA, Ye.A.

Dephenolising the phenol waters of the "Slantsy" Combine with a mixture of n-butyl ether and isopropyl ether. Trudy VNIIT no.12:266-270 \*63. (MIRA 18:11)

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## DOBIOKHOVA, V.

Main task is to improve guidance. Prof.-tekh.obr. 18 no.12:26 (MIRA 14:12) D 161.

1. Zamestitel' nachal'nika otdela kadrov i uchebnykh zavedeniy sovnarkhoza, Murmansk.

(Murmansk Province---Vocational education)

SLONGY, M.M.; AKIMOV, V.V.; DORCKHOVA, V.S.

Epidemiologic characteristics of tick-borne encephalitis in Maritime Territory. Med. paraz. i paraz. bol. 33 no.2: 169-177 Mr - Ap '64 (MIRA 18:1)

1. Otdal entomologii ( zav. - prof. V.N. Behlemishev [deceased]) Instituta meditsinskoy parazitologii i tropicheskoy reditisny imeni Ye.I. Martsinovskogo (direktor - prof. P.G. Sergiyev) Ministerstva zdravookhraneniya SSSR, Moskva, i Trimerskaya krayovaya sanitarno-epidemiologicheskaya stantsiya (glavnyy vrach V.V. Akinov).

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L 38466-66 EaT(1)/T BK	
ACC NR: AP6029183 SOURCE CODE: UR/0016/66/000/005/0008/0013	
AUTHOR: Shestakov, V. I.; Mikheyeva, A. I.; Polenova, I. N.; Dorokhova, V. S.	
CRG: Vladivostok Institute of Epidemiology, Microbiology and Hygiene (Vladivostokskiy institut epidemiologii, mikrobiclogii i gigiyeny); <u>Regional Sanitary Epidemiological</u>	
Station (Krayevaya sanitarno-epidemiologicheskaya stantsiya)	
TITLE: Prevention of Japanese encephalitis in Primorskiy Kray	4
SOURCE: Zhurnal mikrobiologii, spidemiologii i immunobiologii, no. 5, 1966, 8-13	
TOPIC TAGS: encephalitis, insect control, mosquito, disease control	
ABSTRACT: In Khasanskiy Rayon, where Japanese encephalitis is endemic, systematic measures have been carried out since 1960 to control the <u>mosquito vectors</u> of the disease (C. tritaeniorhynchus G., C. bitaeniorhynchus G., C. pipiens L., A. togoi Tneob., A. escensis Jam.) and to protect the population from mosquito bites. The breeding places were <u>spayed</u> from <u>airplanes</u> with DDT aerosols (10% dust and 50% paste). The best results were obtained by antilarval treatment of the biotopes in the early spring. The people were protected from insect bites with dimethyl- phthalate, repudin, and diethyltoluamide. The latter proved to be the most effective repellent. Orig. art. has: 3 tables. [JPRS: 36,932]	
SUB CODE: 06 / SUBM DATE: 22Jul65 / ORIG REF: 005 / OTH REF: 001	

DOROKHOVA, Ye. I.

"Certain M thods of Dietetic Therapy of Cardiovascular Patients," from the book Theses of the Reports of the Scientific Session of the Military Medical Academy im. 5. M. Kirov, Tezisy Dokladov Hauehnoy Sessi, 29 Get-2 Nev, 1956, Leningrod.

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DOROKHOVA, Ye.I.; NIKITIN, V.P., dotsent (Leningrad)

Diet therapy in hypertension. Klin.med. 38 no.12:34-38 D '60. (MIRA 14:2) 1. Iz kafedry obshchey terapii (nach. - deystvitel'nyy ohlen AMN SSSR prof. N.N. Savitskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. (HYPERTENSION) (DIET IN DISEASE)

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SHAKHOVA, Z.F.; DOROKHOVA, Ye.N.

Rapid method of photometric determination of silicon in cast iron and steels. Vest. Mosk. un. Ser. 2: Khim. 20 no.2:77-78 Mr-Ap '65. (MIRA 18:7)

1. Kafedra analiticheskoy khimii Muskovskogo universiteta.

# BHAKHOVA, Z.F.; DOROKHOVA, Yo.N.

Formation of phosphomolybdic and germanomolybdic heteropoly acids. Zhur, neorg, khim, 10 no.9:2060-2064, S '65. (MIRA 18:10)

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SHAKHOVA, Z.F.; DOROKHOVA, Ye.N.

Photometric determination of chromlum based on the fading-out of silicomolybdenic acid coloration. Vest. Mosk. un. Ser. 2: (MIRA 17:11) Khim. 19 no.5:77-80 S-0 '64. .

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.

DOROKHOTA, Z.N. Clinical aspects and morphology of brain injuries in peace time. Vopr. neirokhir. 17 no.61:6-15 N-D 153. (MLRA 6:12) 1. Iz Keningradskogo nauchno-issledovatel'skogo neyrokhirurgicheskogo instituta 1. professor A.L. Polenova. (Brain--Wounds and injuries)

YAKOVLEVA, G.S.; DOROKHOVA, Z.M.

State of anti-influenza immunity in the interepidemic and epidemic periods from 1958 to 1959. Trudy LSGMI 66:283-285 '62. (MIRA 17:4)

1. Kafedra mikrobiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. M.N.Fisher).

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PROSHKIN, A.A., kand. tekhn. nauk [deceased]; DENISYAKO, V.L. [Denysiako, V.L.]; DOROKHOVICH, V.P.

Preparation of acetic acid by the oxidation of hydrocarbons. Khim. prom. [Ukr.] no.1:43-44 Ja-Mr<sup>3</sup>63 (MIRA 17:7) (MIRA 17:7)

1. Institut prirodnogo gaza AN UkrSSR.

DOROKHOVICH, V.P. [Dorokhovych, V.P.]; PROSHKIN, O.O. [deceased], kand. tekhn. nauk

> Obtaining trichloroacetic acid from tetrachloroethylene. (MIRA 17:8) Khim. prom. [Ukr.] no.3:24-27 J1-S '63.

1. Institut ispol'zovaniya gaza AN UkrSSR.

VESELOV, V.V.; DORCKHOVIUH, V.P.

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Remotion of methans with metal oxides. Zhur. prikl. khim. 38 no. 1012222-2298 0 '65. (HIPA 18:12"

1. Submitted October 28, 1963.

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- DOROLEVA, N. I., Docent; BOYARINOVA, N. YE. 1.
- USSR 600 2.
- Rheumatic Heart Disease 4.

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7. Clinical value of hydrophil test in rheumatism in children, Vop. pediat, 20, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

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DOBOS, Alajos; DOROMBY, Laszlo; FEKETE, Estvan, dr.; ESKOVITS, Miklos

Standardization of portable sprinkling irrigation installations. Szabvany kozl 15 no.12:272-274 1) 463.

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DOBOS, Alajos, okleveles mernok, egyetemi adjunktus; DORO4BY, Laszlo, okleveles mernok; FEKFTE, Istvan, dr., okleveles mernok; RESKOVITS, Miklos, okleveles mernok.

Standardiztion of the portable sprinkling irrigation instal-lations. Pt.2. Szabvany kozl 16 no.1:2-E Ja\*64.

1. Epitoipari es Kozlekedesi Muszaki Egyetem I. sz. Vizipitesi Tanszek (for Dobos).

2. Eacs-Kiskun megyei Allami Gazdasagok Igazgatosaga (for Doromby, Fekete and Reskovits).

DOBOS, Alajos, okleveles mernok, egyetemi adjunktus, DOROMBY, Laszlo, okleveles mernok; FEKETE, Istvan, dr., okleveles mezogazdasagi mernok; RESKOVITS, Miklos, okleveles mezogazdasagi mernok

Standardization of portable sprinkling irrigation installations. Pt. 3. Szabvany kozl 16 no. 2:22-24 F '64.

1.No.1 Chair of Hydraulic Engineering, Technical University of Building and Transportation, Budapest (for Dobos). 2.Directorate of Bacs-Kiskun County State Farms (for Doromby, Fekete and Reskovits).

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DOBOS, Alajos, okleveles mernok, egyetemi adjunktus; DOHOMBi, Laszlo, okleveles mernok; FEKETE, Istvan, dr., okleveles mezogazdasegi mernck; RESKOVITS, Miklos, ckleveles mezogazdasagi mernok

Standardization of portable sprinkling irrigators. Pt. 4. Szabvany kozl 16 no. 3:36-40 Mr '64.

1. No. 1 Chair of Hydraulic Engineering, Technical University of Building and Transportation, Budapest (for Bobos). 2. Directorate of Bacs-Kiskun County State Farms (for Doromby, Fekete and Reskovits).

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# DOROMBI, Laszlo

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Sprinkler irrigation in the vicinity of overhead electric lines. Musz elet 19 no. 6:15 12 Mr '64.

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# DOROMBY, Laszlo

Sprinkler irrigation near the overhead power lines. Hidrologial kozlony 44 no.1:9-13 Ja\*64.

1. Bacs-Kiskum megyei Allami Gazdasagok Vizepito Tervezo Csoportja, Kecskemet.

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DORON, A.P.

Viscosity of blood, serum, and formaldehyde treated blood serum in normal children and in pneumonia. Vopr. pediat. 20 no.4:47-51 July-Aug 1952. (CLML 23:2)

1. Candidate Medical Sciences. 2. Of the Department of Hospital Pediatrics (Head -- Honored Worker in Science Prof. A. F. Tur, Corresponding Member AMS USSR), Leningrad State Pediatric Medical Institute (Director -- Prof. N. T. Shutova).

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DORON, A.P.; ROZKINA, R.L. 

> Protein composition in blood serum of children with pneumonia. Voprosy Pediat. i Okhrany Materinstva i Detstva 21, No.1, 26-32 '53. (MLRA 6:4) (CA 47 no.16:8228 '53)

1. Leningrad State Pediat. Med. Inst.

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DORCNCHENKOVA, N. F.

DORONCHENKOVA, N. F. -- "A Concealed Method of Operational Treatment of Patients with Chronic Osteomyelitis of the Long Hollow Bones." Min Health USSR. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Sciences.)

So.: Knizhnaya Litopis', No. 7, 1956.

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Derommeter, M.S., volosov, N.S., insh.; DORONCHEV, N.S., insh. Modernising the equipment of plants producing; refinforced concrete products and large wall blocks. Stroi. 1 dor. mashinostr. no.4:18-20 Ap '58. (Reinforced concrete construction) (NIRA 11:4)

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DOROHENKO, F.G.; SMIRHOV, N.I.

Efficient width of an EKG-8 mined working face. Izv.AN Kazakh.SSR. Ser.gor.dela no.2:41-49 '59. (MIRA 13:4) (Strip mining) (Excavating machinery)

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DOROHENKO, F.G.

Weight of trip and the MEG-S excavator from; at the Kounradskiy Mines. Izv. AN Kazakh. SSR. Ser.gor.dela no.2:39-44 '60. (MIRA 13:10) (Karaganda Province--Copper mines and mining) (Strip mining)

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### DORONENKO, F.G.

Determining the width of the broken-up rock depending on the basic parameters of boring and blasting operations as exemplified by the Kownradskiy Mine. Trudy Inst. gor. dela AN Kasakh. SSR 6:76-81 '60. (MIRA 13:12)

(Kounradskiy region----Wining engineering)

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