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BELOV, K.P.; ZAYTSEVA, M.A.; KADOMTSEVA, A.M.

Magnetic properties of the lanthanum and praseodymium orthoferrites in the partial substitution of the Te²⁷ ions for Al²⁷ ions. Zhur. eksp. i teor. fiz. 39 no.4: 1148-1150 0 '60. (NIRA 13:11)

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1. Moskovskiy gosudarstvennyy universitet. (Rare earth ferrates -- Magnetic properties)

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Belov, K. P., Zaytseva, M. A., Kadomtseva, A. M., and AUTHORS: Timofeyeva, V. A.

Magnetic anisotropy and hysteresis properties of rare-earth TITLE: orthoferrites

Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 25, PERIODICAL: no. 11, 1961, 1389-1392

TEXT: Magnetic anisotropy was examined on single crystals of Le, Pr, Nd. Sm, Eu, Gd, and Yb orthoferrites. The crystals were grown by spontaneous crystallization from their solution in a melt of lead compounds, lead oxide, and lead fluoride. The torque of the resulting crystals as a function of their angle of rotation with respect to an external magnetic field of up to 20 koe was measured with an anisometer. The torque curves drawn at room temperature resembled one another in the examined single crystals, and showed that the orientation of the magnetic moment in the axis of easiest magnetization is very stable against rotation of the outer field. This points to an exceedingly strong magnetic anisotropy of these Card 1/4

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orthoferrites. If the temperature is increased to the Curie point, the anisotropy of weak ferromagnetism is virtually not reduced. The characteristic phenomena of hysteresis and thermal remanence effects appearing in rare-earth orthoferrites can be explained also by the strong magnetic anisotropy. Thermal remanence phenomena were observed on polycrystalline La, Pr, and Yb orthosilicates (Ref. 5: Belov. K. P., Zaytseva, M. A., Kadomtseva, A. M., Zh. eksperim. i teor. flz., 37. 14 (1959); Ref. 6: Watanabe, H. J. Phys. Soc. Japan, 14, 511 (1959)). Magnetization curves and hysteresis loops were recorded in magnetic fields of up to 20,000 oe by a pondermotive method. Specimens cooled in the magnetic field displayed asymmetric hysteresis loops with individual cycles. The thermal remanence was removed by a magnetic field of the order of 10,000 oe. This is indicative of the enormous coercive force of these orthoferrites. A partial substitution of nonmagnetic $A1^{3+}$ ions for Fe²⁺ ions was performed in polycrystalline La and Pr orthoferrites. A sharp diminution of both coercive force and thermal remanence phenomena was observed along with a steep rise of magnetization. The latter may be explained by a prevailing diminution of the exchange field. On the other hand, the growth of magnetization is possibly associated with the greater

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difference in the magnetization of the two sublattices of Fe³⁺ ions. when they are partly replaced by nonmagnetic Al^{3+} ions. However, the Curie point is lowered in every case. Compositions in which Fe³⁺ ions were partly replaced by magnetic Cr^{3+} ions were examined. As compared with stoichiometric compositions, the coercive force diminishes sharply in La and Pr orthoferrites, when Cr^{3+} ions are introduced. As expected, and unlike Al^{3+} ions, Cr^{3+} ions do not change magnetization very much. The Debye diagrams taken by A. A. Katsnel'son and K. Yatskul'yan showed that all the examined compositions are solid solutions without any foreign phase. Ye. A. Turov is thanked for his help and for having discussed the results obtained. V. A. Naysh (Fizika metallov i metallovedeniye, <u>9</u>, 10 (1960); <u>11</u>, 161 (1960)) is mentioned. There are 5 figures and 6 references: <u>2</u> Soviet and 4 non-Soviet. The three references to Englishlanguage publications read as follows: Bozorth, R. M., Phys. Rev. Letters, <u>1</u>, 362 (1958); Gilleo, M. A., J. Chem. Phys. <u>24</u>, 1239 (1956); Watanabe, H., J. Phys. Soc. Japan, <u>14</u>, 511 (1959).

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30073 S/O48/61/O25/O11/O19/O31 B117/B1O2 ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gos. universiteta im. M. V. Lomonosova (Physics Division of Moscow State University imeni M. V. Lomonosov)

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AUTHORS: Belov, K.P., Zaytseva, M.A., <u>Kadomtseva, A.M.</u>, Kvitka, S.S., and Ovchinnikova, T.L.

TITLE: The magnetic properties and structures of certain garnet systems

PERIODICAL: Kristallografiya, v.7, no.2, 1962, 242-246

TEXT: Garnet structures have been synthesized by the substitution in yttrium iron garnets of Fe and Y ions by Mn, Ge and Ti and their structures and magnetic properties have been studied. In the garnet of composition $Mn_{0.5}Y_{2.5}Fe_{4.5}Ge_{0.5}O_{12}$

an anomalous temperature dependence of the spontaneous magnetisation has been observed at low temperatures (of Neel's type M). It is established that the garnet of composition $MnY_2Fe_4GeO_{12}$ has a Curie point below 0 °C and that the curve of

the temperature dependence of the spontaneous magnetisation tends asymptotically to zero. The curves are explained qualitatively. The cell size of the first-mentioned compound is 12.367 Å, and Card 1/2

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The magnetic properties and structures. E132/E160 S/070/62/007/002/008/022 that of the second 12.347 as compared with 12.387 for the pure Y Fe garnet. In garnet there are three magnetic sub-lattices and on Neel's model M the curve observed for the first composition can be satisfactorily explained if the lattice having a weak inherent exchange interaction takes a different course from that of the other (iron) sublattices. The Ti-containing garnets Mn 0.5 Y 2.5 Fe 4.5 Ti 0.5 0 12 and MnY 2 Fe 4 Ti 0 12 were examined but showed no anomalies except that the second compound had a "tail" of residual magnetisation which persisted above the Curie point (506 $^{\circ}$ C) apparently connected with the appearance of another phase (traces of $Y_2 Ti_2 O_7$ were observed in the X-ray powder photograph). There are 4 figures. ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova (Moscow State University imeni M.V. Lomonosov) SUBMITTED: June 27, 1961 Card 2/2

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ACCESSION NR: AP4011744 S/0181/64/006/001/0101/0107 AUTHORS: Belov, K. P.; Iveronova, V. I.; Zaytseva, M. A.; Kadomtseva, A. M.; Katsnel'son, A. A.; Yatskul'yak, K. TITLE: Magnetic and structural properties of lanthanum orthoferrite during partial replacement of Fe 3+ ions by other trivalent ions SQURCE: Fizika tverdogo tela, v. 6, no. 1, 1964, 101-107 TOPIC TAGS: magnetic property, structural property, orthoferrite, lanthanum, lanthanum orthoferrite, Fe 3+, Al 3+, Sc 3+, Co 3+, thermoremanent magnetization, magnetization intensity, hysteresis loop, crystal lattice ABSTRACT: In these studies the Fe⁺³ ion was replaced, in part, by Al⁺³, Sc⁺³, Cr⁺³, and Co⁺³. Thermoremanent magnetization of LaFeO₃ cannot be reduced to zero even in a field of 20 000 cersteds, but if Al⁺³ ions replace some of the Fe⁺³ ions (IaFe_{0.9} $Al_{0,1}O_3$), introduced by orthorhombic distortion of the crystal lattice, thermo-remanent magnetization almost disappears, and the hysteresis loops become symmetrical. These changes may be explained by the finely dispersed character of the samples. The change in magnetic properties on substitution of the indicated ions Card 1/2推調新行

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	ACCESSION NR: AP4041041 S/0120/64/000/003/0157/0159
	AUTHOR: Zhegunov, Yu. P.; Kadomtaeva, A. M.; Levitin, R. Z.
	TITLE: Measuring magnetization in strong impulse magnetic fields by a ponderomotor method
	SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1964, 157-159
	TOPIC TAGS: magnetisation measurement, intensity of magnetization, ponderomotor magnetisation measurement
	ABSTRACT: A method is suggested for measuring the intensity of magnetization in small (10-100 mg) specimens, such as single crystals, in strong (up to 300 kilo-oerst.) magnetic fields by the force pulling the specimen into a nonuniform magnetic field. The impulse field is built up in a bronze coil through which a 1,500-microfarad capacitor bank is discharged from an initial voltage of 5 kv. A specimen fastened by means of a thin porcelain rod to an electromagnetic-sensor
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diaphragm was introduced into specimen served for measuring were recorded on a 2-beam cati- used for plotting a field-strengt of magnetization measurement grateful to K. P. Belov for his Litvinenko for aligning the impu- 4 figures and 8 formulas. ASSOCIATION: Moskovskiy go (Moscow State University)	the field hode-ray th vs. int is claime constant ulse-mag	i stren oscil tensity ed to b inter gnetic	ngth. E lograph -of-ma or 10%. est in th field ou	mi's ir , and ti gnetiza "The a e work tfit. "	om both he oscill tion cur authors , and to Orig, a	ogram ve. The are dee S. F.	was e error ply
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\$/0056/64/046/006/2003/2010 ACCESSION NR: AP4042559 AUTHOR: Zakharov, A. I.; Kadomtseva, A. M.; Levitin, R. Z.; Ponyatovskiy, Ye. G. TITLE: Magnetic and magnetoelastic properties of a metamagnetic iron-rhodium alley SOURCE: Zh. eksper. 1 teor. fiz., v. 46, no. 6, 1964, 2003-2010 TOPIC TAGS: magnetostriction, alloy Young modulus, alloy lattice parameter, ferromagnetic transition temperature, Curie point, iron rhodium alloy, alloy magnetization, alloy ABSTRACT: The temperature dependences of the magnetization, magnetostriction, Young modulus, and lattice constant of an iron-rhodium alloy of close to equiatomic (Fe0.5, Rh0.5) composition have been investigated in the 50-750K temperature range. The experiments were conducted on vacuum-melted Fa-Rh alloy annealed at 1100C for 5 hr and then furnace cooled or water quenched from 1100C. In a field up to 2000 on, the annealed alloy was antiferromagnetic at room temperature, with the transition to the ferromagnetic state occurring in a Card 1/3 2月間時間 おうしい

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field of 1700 on at 358K with heating and at 352K with cooling. The Curie point of the alloy, determined in a 9-oe field, was about 660K. The transition temperature T_k was found to decrease by about 12K, with. the field increasing to 14,500 oe. Isothermal curves for the magnetization in fields up to 140 koe showed that below the critical temperature T_k , the magnetization increases sharply in certain critical fields H_k , i.e., the antiferromagnetic-to-ferromagnetic transition occurs under the action of the field. The critical field Hk, defined as the field magnitude at which the most rapid increase in magnetization occurs, decreases linearly with increasing temperature at a rate of 0.0017 os/deg. The lattice parameter increases gradually with the temperature increase to $T_k = 353K$, at which a new ferromagnetic phase is formed whose lattice parameter increases abruptly by 0.3%. Above the Curie point ($\theta = 660K$), the lattice parameter increases with temperature more rapidly than in the ferromagnetic region. With an increasing hydrostatic pressure, the transition temperatures, both in heating and cooling, increase approximately linearly at a rate of 0.00433 deg/atm. The Young modulus exhibits a sharp increase at the point of transition from the antiferromagnetic to the ferromagnetic state. The longitudinal magnetostriction λ and the relative change Cord 2/3

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of Young modulus $\Delta E/E$ are zero in the antiferromagnetic region but are at a maximum in the region of temperature transition. The maximum probably results from the superimposition of magnetoelastic effects, which are associated with the destruction of the antiferromagnetic structure under the action of the field, on the ordinary ΔE and magnetostriction effects which are caused by domain processes. The use of the data obtained for determining the applicability of the C. Kittel theory to ferromagnetism — antiferromagnetism transition in the Fe—Rh alloy produced inconclusive results — and further research on the alloy is recommended. Orig. art. has: 8 figures.

ASSOCIATION: Moskovskiy gosudarstvennyky universitet (Moscow State University)

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	AUTHOR Belov, K. P.; Kadomtseva, A. M.; Levitin, R. Z.
	TITLE: Investigation of the magnetic susceptibility of orthoferrites of <u>rare earth elements</u> in strong magnetic fields 1 27
	SOURCE: 2h. eksper. i teor. fiz., v. 47, no. 8, 1964, 439-443
1 1	TOPIC TAGE: ferrite, magnetic susceptibility, rare earth element, lanthanum preseodymium, neodymium, samarium, europium, gadolinium, terbium, dysprosium
	ABSTRACT: With an aim at a more thorough study of the magnetic properties of rare-earth orthoferrites, and especially establishing the contributions of i ron and rare-earth ions to the suscepti- bility, the authors measured the field dependence of the magnetized tion of orthoferrites (general formula MPeO ₃) where $H = rare earth$
	metal ion) of La, Pr. Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, and Yb. Both

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	single-crystal and polycrystalline samples were investigated in
	pulsed fields up to 220 kOe. A ponderomotive measurement method
	was used. The tests show that the main contribution to the sus-
	ceptibility of the orthoferrites is made by the rare-earth ions.
	Calculations of the molar susceptibilities of the orthoferrites
	from the experimental data have shown that at room temperature the
	magnetic moments of the rare-earth element ions are barely acted
	upon by the exchange fields of the iron sublattices, and that the
	magnetic moments of the rare-earth ions are not "frozen in" by the
	crystal lattice field, so that they can be regarded as free from
	the magnetic point of view. "In conclusion, we are deeply drated a
	to <u>V. A. Timofeyeva</u> for supplying the single-crystal orthorecities.
	to M. A. Zaytseva and T. L. Ovchinnikova for preparing the prov-
	Crystalline ortholetrites and for a discussion of the resilies in
	to Yi. W. Poper for help with the measurements. (Frig. 201)
	3 figures and 1 formula.
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the temperature dependence of the magnetization of thulium ortho-
sperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. no. 6, 253-256 21, 44, 5 m compound, temperature dependence, magnetization, magnetic moment
for sobserved an anomalous temperature dependence in the magnetiza- hoferrite. When the temperature was reduced to 90K the magnetic ed from the c axis to the a axis of the crystal. Below 90K, the ic moment of the single-crystal thulium orthoferrite remained ri- ng the a axis of the rhombic crystal. By plotting the rotary mo- plane of the single-crystal thulium orthoferrite at temperatures chors obtain, from the rotary moment $\varphi = 90^\circ$, the values of the ifferent temperatures. The temperature dependence thus obtained iffer at this temperature the magnetic moment is still oriented for at this temperature the magnetic moment is still oriented if the crystal. After a slight decrease in the temperature (~2°),



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L 38536-65 EED-2/ENT(1)/FWT(m)/EWP(b)/T/FWA(d ACCESSION NF: AP5005286)/FWP(w)/FWP(t) LTP(c) ID/JO S/0181/65/007,002,0477,0479
AUTHOR: Belov, K. P.; Zaytseva, M. A.; Kadomt	seva, A. M.; Ovchinnikova, T. L. 76
AUTHOR: Belov, K. P.; Zaytseva, M. A.; Kadomt: TITLE: On the electric properties of yttrium	ferrites with garnet structure B
SOURCE: Pizika tverdogo tela, v. 7, no. 2, 19	
TOPIC TAGS: yttrium iron garnet, ferrite, temp tivity, resistivity anomaly	perature dependence, <u>electric resis</u>
ABSTRACT: The authors measured the temperature tivity of samples of the following composition $Y_{2.5}$ MrEq. 0GeO ₁₂ , $Y_{2.5}$ MO.5Feq.5Ti0.5O ₁₂ , and prepared under the same conditions as in an easi fiya v. ", 242, 1962). The resistivity measur- direct current, at temperatures from room to 6 stitution of the Fe ³⁺ ion by the tetravalent i ferent crystallographic places in the iron-gam- in the electric resistivity (by several orders	Y3Fe5012, Y2.5Mm().5Fe4.5Ge0.5012, Y2.0MFe4.0TiO12. The samples were rlier investigation (Kristallogra- ements were made in vacuum some OOK. The results show that ons fe ⁴⁺ and Titt, we net structure, leads to a decrease
Card 1/2	

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CESSION NR: AP5005286 con-garnet). The observed decrease in the electric resistivity is due to opearance of Fe ²⁺ ions, located in both cases in octahedral sites. The t cure dependence of the electric resistivity displays kinks in the region while temperature. These anomalies are similar to those observed for ferr its spinel structure. "The authors thank <u>Yu. P. Irkhin for valuatie atvi</u>	of t rites
con-garnet). The observed decrease in the electric resistivity is due to opearance of Fe ²⁺ ions, located in both cases in octahedral sites. The t cure dependence of the electric resistivity displays kinks in the region while temperature. These anomalies are similar to those observed for ferr	of t rites
discussion of the results." Orig. art. has: 2 figures. 580CIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova	-
tate University)	
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A START REPORT OF COMPARISON AND START

L 04419-67 EWT(1)/EWT(m)/T/EWP(t)/ETI_____ IJP(c) JD SOURCE CODE: UR/0386/66/004/007/0252/0255 AUTHOR: Belov, K. P.; Kudomtseva, A. M.; Ovchinnikova, T. L.; Uskov, V. V. ORG: Physics Department of the Moscow State University im. M. V. Lomonosov (Pizicheski fakul'tet Moskovskogo gosudarstvennogo universiteta) TITLE: Magnetostriction of thulium orthoferrite single crystals in the region of the temperature of reorientation of the "weak" ferromagnetic moment SOURCE: Zhurnal eksperimental noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 7, 1966, 252-255 TOPIC TAGS: thulium compound, ferrite, magnetostriction, magnetic moment, temperature dependence ABSTRACT: This is a continuation of earlier work (Pis'ma ZhETF v., 2, 253, 1965). To verify the occurrence of magnetostriction deformations in thulium orthoferrite single crystals following superposition of a sufficiently strong field, the authors measured the magnetostriction by means of strain gauges near the reorientation temperatures, in fields up to ~13 kOe. The results show that when the field is applied along the c axis, which is the antiferromagnetism axis below the transition temperature, positive magnetostriction of appreciable magnitude occurs in the interval from 93 to 67K. In fields up to 13 hoe the magnetostriction first increases with increasing departure from the reorientation temperature, reaching a maximum at $78 \times (\Delta t/t \sim 20 \times 10^{-8})$, and then decreases. Above the transition temperature, magnetostriction is observed only Cord 1/2

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when the field is directed along the a axis, which is the antiferromagnetism axis at these temperatures. The magnetostriction deformation produced along the c axis was also measured with the field applied along the a axis of the crystal in the temperature interval from 90 to 114K. The sign of the magnetostriction was different for fields applied along the c and a axes of the crystal, and the magnetosctriction decreased at temperatures above 100K. The results are connected with the fact that the threshold fields increase noticeably with increasing departure from the reorientation temperature, and exceed the fields in which the measurements were made. The relatively low threshold fields (~10 kOe) in the temperature interval ~70 - 100K are connected with the fact that the spontaneous magnetic moment can be readily rotated by the field from the c axis to the a axis of the crystal, owing to the low values of the anisotropy constant. When a magnetic field is applied along the b axis of the crystal, no magnetostriction is observed in the entire investigated temperature range, since the b axis is perpendicualr to the plane containing the antiferromagnetism vector, and consequently the field cannot cause flipping of the iron' sublattices' and lead to magnetostriction deformation in the crystal. It is noted that it is easy to determine the threshold field from the magnetostriction vs. field curves. This is particularly important for thulium orthoferrite, where it is impossible to determine the threshold field from the jump in the magnetization curves during the instant of flipping of the antiferromagnetic sublattices. The authors thank V. A. Timofeveva for supplying the single-crystal thulium orthoferrite. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 02Jul66/ ORIG REF: 002/ OTH REF: 007 awat Cord 2/2

APPROVED FOR RELEASE: 07/19/2001

-----ACC NRI SOURCE CODE: UR/0056/66/051/005/1306/1310 AP6037056 1 AUTHOR: Belov, K. P.; Kadomtseva, A. M.; Levitin, R. Z. ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet) TITLE: Character of the magnetization curves for a single crystal of samarium orthoferrite near the reorientation temperature SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, V. 51, no. 5, 1966, 1306-1310 TOPIC TAGS: magnetization curve, single crystal growing, samarium, ferrite, reorientation temperature, Curie point, mag aftic moment, pulsed magnetic field ABSTRACT: Magnetization curves of a single crystal of samarium orthoferrite have been measured from room temperature to the Curie point. Reorientation of a magnetic moment in a crystal of samarium orthoferrite from the a axis to the c axis was observed on heating to 210C. In the temperature 150-300C the threshold fields of this compound do not exceed 20 koe and, in the first approximation, increase linearly on removal from the reorientation temperature. The measurements made in pulse magnetic fields showed that the threshold field of samarium orthoferrite is 50-60 koe at room temperature, while for europium and .Card 1/2

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ACC NR: AP6037056 yitterbium orthoferrites the value of the threshold field exceeds 200 koe. The experimental magnetization curves near the reorientation temperature coincide well with the calculated values. The authors wish to express their appreciation to V. A. Timofeyeva for growing the single crystal orthoferrites. Orig. art. has: 7 figures and 6 formulas. [Authors' abstract] SUB CODE: 20/ SUBM DATE: 31May66/ ORIG REF: 005/ 3 Card 2/2 . - -

DONIGEVICH, M.I., kand.med.nauk; GRIGOR'YEVA, R.I., kand.med.nauk; ZHUCHKOVA, L.O.; KADOMISEVA, P.P.; SHEINOVA, N.P. (Mordovskaya ASSR)

> Organisation of psychoprophylactic preparations for all parturients in Saransk. Vop.okh.mat. i det. 4 no.5:74-78 S-0 '59.

(MIRA 13:1)

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(SARANSK--CHILDB IRTH--PSYCHOLOGY)

APPROVED FOR RELEASE: 07/19/2001

KADOSHEHUK. T.A. (Vinnitse, ul. Rosy Lyuksenburg, 18)							
	A case of cancer of the retrorectal region [with summar Vop.onk.2 no.3:360-361 '56.				ry in English] (MLRA 9:10)		
	<pre>1. Iz kafedry fakul'tetskoy khirurgii (sav prof. I.N.Grabchenko) Vinnitskogo gosudarstvennogo meditsinskogo instituta (dir. dots. S.I.Korkhov)</pre>						
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KADOSHCHUK, T.A. (Vinnitsa, ul. Rozy Lyuksemburg, d.18, kv.94)

Cases of teratoid tumors of the coccygeal region [with summary in English]. Vop.onk. 4 no.3:354-356 '58 (NIRA 11:8)

Iz kafedry fakul'tetskoy khirurgii (zav. - prof. I.M. Grabchenko)
 Vinnitskogo gosudarstvennogo meditsinskogo instituta (dir. - dots.
 S.I. Korkhov).

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KORKHOV, S.I.; KADOSHCHUK, T.A.; STOLYARCHUK, A.A.

Clinical significance of the indexes of the cholinesterase activity of the blood serum in tumor patients. Vrach.delo no.11:1153-1156 N '59. (NIRA 13:4)

1. Kafedra fakul'tetekoy khirurgii (saveduyushchiy - prof. I.M. Grabchenko) i kafedra farmakologii (saveduyushchiy - dotsent G.V. Tutayev) Vinnitekogo meditsinakogo instituta. (CHOLIMESTERASE) (CANCHE)

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KADOSHCHUK, T.A.

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Protein fractions in the blood serum in cancer of the gastrointestinal tract before and after surgery. Vop.onk. 7 no.5: 9-16 '61. (MIRA 15:1)

1. Iz kafedry gospital'noy khirurgii (zav. - prof. I.A. Shrayer)
Vinnitskogo mediamentuta (dir. - dots. S.I. Kerther).
(BLOOD PROTEINS) (ALIMENTARY CANAL-CANCER)

APPROVED FOR RELEASE: 07/19/2001

KUCHERENKO, A.Ye.; KADOSHCHUK, T.A.

Tumor of the thymus with an unusual localization in the neck. Vop. onk. 7 no.11:88-91 161. (MIRA 15:5)

STATISTICS TRANSPORTED AND THE PROPERTY AND THE PROPERTY

1. Kafedra gospital'noy khirurgii (sav. - doktor med.nauk M.V. Danilenko) Vinnitskogo meditsinskogo instituta (dir. - dots. S.I. Korkhov).

(THYMUS GLAND-TUMORS)

APPROVED FOR RELEASE: 07/19/2001

KADOSHCHUK, T.A.

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Change in the protein fraction of the blood serum berfore and after resection of the stomach. Vest.khir. no.9:37-44 '61. (MIRA 15:3)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - doktor med. nauk M.V. Danilenko) Vinnitskogo meditsinskogo instituta. (STOMACH-SURGERY) (BLOOD PROTEINS)

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KADOSHCHUK, T. A., (Vinnitsa, ul. Rosy Lyuksemburg, d. 2/21, kv. 39)

Changes in the protein composition of the blood serum and in the antitoxic function of the liver in stomach cancer and following surgery. Nov. khir. arkh. no.2:35-39 '62. (MIRA 15:2)

1. Kafedra gospital'noy khirurgii (sav. - doktor med. nauk M. V. Danilenko) Vinnitskogo meditsinskogo instituta.

(BLOOD PROTEINS) (STOMACH__CANCER) (LIVER)

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KUCHERENKO, Ye.M., kand. med. nauk (Vinnitsa, ul. L. Tolstogo, d.21); KADOSHCHUK, T.A.

Comprehensive study of the antitoxic function of the liver in stomach cancer and complicated peptic ulcers. Klin. khir. no.10: $20-25^{\circ}0$ *62. (MIRA 16:7)

1. Kafedra gospital'nov khirurgii (zav.- prof. M.V. Danielenko) i kafedra gospital'nov terapii (zav.- dotsent Yu.N. Golovtsev) Vinnitskogo meditsinskogo instituta.

(LIVER) (STOMACH-CANCER) (PEPTIC ULCER)

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DANILENKO, M.V. (Vinnitsa, ul. Gogolya, l.kv.16); KADOSHCHUK, T.A. (Vinnitsa, ul. Rozy Ljuksemburg, 2/21, kv.97)

> Malignant degeneration of multiple stomach ulcers. Report No.2. Vop. onk. 9 no.11:87-91 '63. (MIRA 18:2)

1. 《中国中的》 2004年1月月20日本社会的主要目的目的目的研究社会主义 2.5

l. Iz kafedry gospital'nov khirurgii (zav.- prof. M.V. Danilenko)
Vinniiskogo meditsinskogo instituta imeni Pirogova (rektor dotsent S.I. Korkhov).

APPROVED FOR RELEASE: 07/19/2001

DANILENKO, M.V., prof.; KADOSHCHUK, T.A.

Diagnostic and prognostic importance of the protein composition of the blood and the antitoxic function of the liver in gastric diseases. Vest. khir. 93 no.9:22-25 S '64. (MIRA 18:4)

1. Iz gospital'nov khirurgicheskov kliniki (zav. - prof. M.V. Danilenko) Vinnitskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 07/19/2001

KOREPANOV, A.; BERDNIKOV, V.V.; KADOSHNIKOV, B.A.; KAZANTSEV, D.P., red.; VORONTSOVA, Z.Z., tekhn. red.

> [Our experience in fattening young cattle] Nash opyt nagula mododnyaka krupnogo rogatogo skota. Izhevsk, Udmurtskoe knizhnoe izdvo, 1960. 16 p. (MIRA 14:12)

1. Zaveduyushchiy Molochno-tovarnoy fermy kolkhoza "Rassvet" Igribskogo rayona (for Korepanov).

(Cattle-Feeding and feeds)

APPROVED FOR RELEASE: 07/19/2001

KADOSHNIKOV, I. S.: Master Biol Sci (diss) -- "Age aspects of the brain arteries of cattle". Kazan', 1958. 21 pp (Min Agric USSR, Kazan' Vet Inst im N. E. Bauman), 150 copies (KL, No 12, 1959, 127)

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KADOSHNIKOVA, P.S., Cand Vet Sci ---(diss) "Hydrolyzing nutritive (papered) modia from vetch and their usofulness in bacteriological practice." Qank, 1959. 16 pp (Omsk State Vet Inst of the Min of Agr RSFSR), 150 copies (ML, 31-59, 116)



"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000519830010-4

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7, AUTHOR: Kadoshnikova, V. P. TITLE: Relation of Forests to the Physical and Chemical Characteristics of the Carbonate Soils in the Donbas (Lesorastitel'nyye usloviya na karbonatnykh pochvakh Donbassa v svyazi s ikh fiziko-khimicheskimi PERIODICAL: Nauch. tr. Ukr. n.-i. in-ta les. kh-va i agrolesomelior., 1956, Nr 18, pp 196-208 ABSTRACT: Carbonate soils are common in the Donbas, and particularly so on its northern rim. They abound on the right banks of rivers where the relief is broken, where slopes are steep, and where erosion is active. Soil samples were obtained on the eastern edge of the city of Voroshilovgrad and on the right bank of Card 1/3

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Relation of Forests (Cont.)

the Severnyy Donets River, near the village of Bogorodichnoye in the Slavyanskiy Rayon, Stalinskaya Oblast. The investigations demonstrated that the specific physical and chemical properties of the carbonate soils and the particular local climate of the districts where the soils were formed had an unfavorable effect on the growth of trees and shrubs. Light colored carbonate soils which are slow to warm up in spring retard the growth of summer vegetation; furthermore, a short spring quickly followed by hot dry weather decreases vegetable resistance to drought. A large amount of hygroscopically held moisture does not prevent plants from withering. During dry periods plants in these soils are extremely short of water. The carbonate soils resemble heavy clays; more than 70 percent of their particles measure less than 0.01 mm in diameter. Mechanical composition was observed to be uniform throughout the thickness of the soil. The ability of the soil to retain its structure in water is poor and depends on humus content; the chemical reaction of a soil solution was strongly alkaline, a circumstance

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14-57-7-14995

Relation of Forests (Cont.)

which, combined with low humidity and high salinity, may prevent the growth of some plant species. The high chloride and sulfate content obviously exercises a negative influence also. The general climatic and hydrological conditions are likewise unfavorable to plant growth. These conditions are characterized by high summer air and soil temperatures combined with low soil moisture and destructive arid winds, by low winter temperatures with strong winds and a lack of snow cover, and by sharp temperature changes. In solving the problem of horticulture on carbonate slopes, the primary task will consist of choosing the stablest soils with the highest agricultural value. Card 3/3

APPROVED FOR RELEASE: 07/19/2001

DROZD, A., inz.; KADOUN, M.

Experience with the foundation of bridges. Inz stavby 10 no.11:407-412 N '62.

1. Inzinierske stavby, n.p., Kosice.

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KADRACKA, Janina: JACH, Zygmunt

Method of determining the acidity of gastric content with "gastrotest" (cilag) preparation without sounding. Ann.Univ.Lublin; sec. D 14: 207-212 *59.

1. Z Katedry III Kliniki Chorob Wewnetrznych Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: prof. dr med. Michal Voit. (GASTRIC JUICE)

国际网络国际中国中心

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APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000519830010-4"

SUBJECT:	LATVIAN SSR/Drainage of Swamps.	99-3-4/7
AUTHOR:	Kadrevich, T.A., Engineer.	
TITLE:	Reclamation of Swampy Lands by Means of Lifting Devices at Coastal Zones in the (Osusheniye s mekhanicheskim vedope?'yem v primorskey zone Latviyskey SSR).	Latvian SSR.
PERIODICAL:	Gidrotekhnika i Nelioratsiya, 1957, Iss	ue #3, pp 28-38,(USSR).
ABSTRACT: Card 1/3	Drainage is one of the most important matchen in the LSSR in order to increase duction. Approximately 2.5 million here meliorated, which constitute more than During the 1956-60 period the reclamatic has been planned of which 350,000 herea: The sandy and swampy low lands which exist the coast, are especially in need of meliorated of meliorate and low lands are on the average 0-40 result sand dumes are frequently located which hinder the drainage of water into zene has a climate typical for such located of the sandy low lands are the coast.	its agricultural pre- tars of land are to be 1/3 of the total acreage on of 1954,000 hectars rs are to be draimed. tend over 500 km along lioration. The coastal m above sea level, as a d along the coast line, the sea. The coastal

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99-3-4/7

Reclamation of Swampy Lands by Means of Mechanical Water-Lifting Devices at Coastal Zones in the Latvian SSR. (Osusheniye s mekhanicheskin vedeped "yenen sabelechennykh semel" v primorskey some Latviyskey SSR).

ATTERATION TELEPHONE 1

and rapidly changing seasons of the year. The vegetation peried extends from May to October. The average yearly precipitation ranges from 550 to 700 mm. All rivers of the Baltic basin drain into the Baltic sea. The water table along the coast is raised considerably by back-waters, caused by winds blowing from the sea.

Swamps occupy approx 8 % of the coastal lowlands, and are located mainly in the Riga-Yelgava - Tukkum triangle, and south of Ventspils and Liepaya. The reclamation of swampy land can be accomplished by the application of two methods of melioration: drainage by means of lifting the water mechanically and by gravitational draining. Mechanical drainage embraces the coastal swampy lowlands adjacent to rivers and lakes near the sea, which are subjected to temperary fleeding. Practical experience has shown that the application of mobile units can be used te advantage for the removal of surplus water on coastal lowlands, especially where the natural drainage is obstructed by

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Card 2/3

TITLE:

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APPROVED FOR RELEASE: 07/19/2001

	99-3-4/7
TITLE:	Reclamation of Swampy Lands by Means of Mechanical Water- Lifting Devices at Coastal Zones in the Latvian SSR. (Osusheniye s mekhanicheskim vodoped "yemom zabolochennykh zemel' v primorskoy mome Latviyskoy SSR).
	railread and highway dams. Till expensive stationary pumps are installed such units can serve for the removal of surplus water. The cest of reclamation of 1 hectare land by pumping amounts to 2,500-3,000 Rubles.
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	The article contains 1 map, 4 photographs, 2 figures, 2 tables and 1 diagram.
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HADREVICH, T.A., Cand Tech Sci-(disc) "Study of the problem of draining of the maritime lowlands of batvian SSR with a medenual weeks wheel Rigs, 1958. 15 pp Min of Higher Education MSSR. Latvian Agr Acad), 150 copies (NL, 31-58, 103)

KADRI, Kerciku, S., dr.

Necrobiosis lipoidica diabeticorum. Borgyogy. vener. szemle 10 no.3:125-127 May 56.

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1. A tiranai koskorhas (igasgato: Truncer, Spassem, dr.) borosstalyanak (foorvos: Kerciku S. Kadri, dr.) koslemenye. (DIABETES MELLITUS, compl. necrobiosis lipoidica, case report (Hun))

Abs Jour : RZhB101., NO 0, 1977, no 2001

Author : Kadrinov, N.

: 1/3

APPROVED FOR RECEASE? 67/19/2001 Vegetable Growing in Bulgaria.

Abstract : It was shown that in Bulgaria the basic hothouse culture are tomatoes. Crossbreed heterotic highyielding varieties - Dawn crossed with Comet and Comet crossed with Dawn - are the most diseaseresistant varieties. At the early cultivation of tomatoes, a harvest of 80-90 t is obtained from 1 hectare of the glassed-in area; at middle-early, 100-110 t. The cucumber harvest is, on the average,

Card

Orig Pub : Mezhdunar. s.-kh. zh., 1957, No. 3, 144-152

Country : USSR Category : Cultivated Plants. Potatoes. Vegetables. Melons. M Abs Jour : RZhBiol., No 6, 1959, No 24877 Author 8 Inst 1 Title 1 Orig Pub : Abstract : 120-140 t/ha. From the peppers, the varieties Julian Thorn No. 1021 and Rumanian Thorn are principally grown; the harvest is 300-450 c/ha. About 50 tons of early cucumbers, on the average, are gathered from 1 hectare of hotbeds. Tomatoes (the varieties Dawn crossed with Comet and No. 10 crossed with Bison) are also grown in hotbeds; 5-8 kg of the fruits Card : 2/3

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Country : USSR Category : Cultivated Plants. Potatoes. Vegetables. Melons. M Abs Jour : RZhBiol., No 6, 1959, No 24877 Author t Inst : Title 2 Orig Pub : Abstract : are gathered from 1 m² in the beginning of May. Plowing of the Belinevlechgard summer squash variety, and the Sax and Chervenbel raddish varieties are most suitable for hotbeds. -- Ye. A. Okorokova Card : 3/3 60

Plants - Fruits. Berries. Ы Abs Jour : Ref Zhur - Biol., No 10, 1958, 44230 : Kadrinov, A.I. Autor Inst : The prospects of the Development of Fruit Grow Title ing, Viticulture and of Vegetable Growing in Bulgaria. Orig Pub : Sad i ogorod, 1957, No 11, 53-55. Abstract : No abstract.

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Card 1/1



REAL PROPERTY.L

SKARICA, Hadoslav, dr.; VIDAKOVIC, Zdenko, dr.; KADHNKA, Hajka, dr.

Significance of Ortolani's position in early roentgenological diagnosis of congenital hip dislocation. Lijec. vjes. vjes. 81 no.11:819-825 '59.

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1. Iz Zavoda sa rentgemologiju i Odjela sa djecje bolesti bolesti Opce bolnice "Dra. N. Stojanovica" u Zagrebu. (HIP fract. & disloc.)

APPROVED FOR RELEASE: 07/19/2001

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KADENKA, Silvije. Dr. Incipient cancer of the stomach from the point of view of x-ray diagnosis. Lijec.vjes. 76 no.9-10:544-559 1954. 1. Is Zavoda sa rentgenologiju Opce bolnice dra Stojanovica u Zagrebu. (STOMACH, neoplasms, incipient, x-ray diag. 4 surg.(Ser))

APPROVED FOR RELEASE: 07/19/2001

KADRNKA, Silvije; KRMPOTIC, Jelena

Contribution to pneumo-stratigraphic anatomy of the brain. Rad. med. fak. Zagreb 8 no.2:135-156 ¹60.

(VENTRICULOGRAPHY)

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MANAGER - CONTRA

HUDOLIN, V1; RIESSNER, D.; KADRNKA, S.; KNEZEVIC, M.

Giant osteoma of the lamina cribrosa. (Contribution to the diagnosis of frontal lobe syndrome). Neuropsihijatrija 8 no.4:306-316 '60.

1. Is Opes bolnice dra M. Stojanovica u Zagrebu: Neurolosko-psihijatrijski odjel (Sef: Dr. Vl. Hudolin) Kirurski odjel (Sef: Dr. D. Riessner) Zaved sa radiologiju (Sef: Dr. S. Kadrnka) Zavod za patologiju (Sef: Dr. M. Knezevic).

(OSTECMA case reports) (FRONTAL BONE neopl)

APPROVED FOR RELEASE: 07/19/2001

	KADROV,	G.						- -				
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i b atta	ACCESSION NR: AR4044024 S/0058/63/000/011/A029/A029
	SOURCE: Ref. zh. Fizika, Abs. 11A298
: •	AUTHOR: Chernyayev, V. B.; Kadshevich, V. I.; Panov, V. N.
, s	Auto-stable transistorized circuits 15
	CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po yadern. radicelekiroinar, 1961. F., Gosatomizdat, 1962, 156-160
	TOPIC TAGS: circuit, transistorized circuit, multistable circuit
•	TRANSLATION: Examines transistorized circuits with many stable states. To create such a device with n stable states there are required <u>n</u> triodes. The operational principle of the circuit is similar to that of ring-type thyratron scaller A-c couplings, assuring stability of the states, are fed from each stage to all others through a set of coupling impedances. Thus, a circuit with <u>n</u> stable states includes $n(n-1)$ coupling impedances. Investigations have shown that sultistable circuits with one nonconducting and the rest conducting triodes are considerably
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L 8371-65 ACCESSION NR: ARHO44024 more reliable and simpler to align than a circuit with one conducting triode. In practice, circuits with n = 3, 4, and 5 were set up and shown to operate. The resolving time of the circuit using P-14 triodes was no worse than 5-8 micro- seconds. It was shown that such five-stable circuits are very reliable. They permit a change in line voltage within 2-10 volts and a three-fold change in the amplitude of the trigger signal. There is given a working circuit of a decade scaler in which a five-stable circuit is used. SUB CODE: EC ENCL: 00		 Statistics (Statistics) 	1991-1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1
ACCESSION NR: AR4044024 Bore reliable and simpler to align than a circuit with one conducting triode. In practice, circuits with n = 3, 4, and 5 were set up and shown to operate. The resolving time of the circuit using P-14 triodes was no worse than 5-8 micro- seconds. It was shown that such five-stable circuits are very reliable. They permit a change in line voltage within 2-10 volts and a three-fold change in the amplitude of the trigger signal. There is given a working circuit of a decade scaler in which a five-stable circuit is used. SUB CODE: EC FINCL: 00			
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<pre>more reliable and simpler to align than a circuit with one conducting triode. In practice, circuits with n = 3, 4, and 5 were set up and shown to operate. The resolving time of the circuit using P-14 triodes was no worse than 5-8 micro- seconds. It was shown that such five-stable circuits are very reliable. They permit a change in line voltage within 2-10 volts and a three-fold change in the amplitude of the trigger signal. There is given a working circuit of a decade scaler in which a five-stable circuit is used. SUB CODE: EC ENCL: 00 </pre>			
<pre>practice, circuits with n = 3, 4, and 5 were set up and shown to operate. The resolving time of the circuit using P-14 triodes was no worse than 5-8 micro- seconds. It was shown that such five-stable circuits are very reliable. They permit a change in line voltage within 2-10 volts and a three-fold change in the amplitude of the trigger signal. There is given a working circuit of a decade scaler in which a five-stable circuit is used.</pre>		-	U
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FILONENKO, Serafim Nikonovich; KOSTYUKOV, Viktor Aleksandrovich; RODIN, Petr Rodionovich; GUS'KOV, Boris Sergeyevich; KADUCHEWKO, A.G., inshezer, redaktor; SERDYUK, V.K., inshezer; Fedakter; RODINS, Ya.V.; tekhiicheskiy redakter.

[Concise manual for tool operators at machine-tractor stations] Kratkiy spravochnik stanochnika MTS. Kiev, Gos.mauchno-tekhni.isdvo mashimostreit. lit-ry, 1955. 319 p. (MLRA 9:6) (Machine-tractor stations) (Metalwork)

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VASHCHENKO, K.I.; FIRSTOV, A.N.; ZHIZHCHENKO, V.V.; KADUCHENKO, A.G.; GOLOVAN', N.A. Bimetallic motor cylinders for motorcycles. Lit. proizv. no.8:16--18 & '61. (MIRA 14:7) no.8:16-18 Åg '61. (Motorcycles) (Leminated metals)

พารมานที่สามที่สาวสุดที่สาวที่สามที่สามที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สามที่สามที่สามที่สามที่สา

KADUK, B.G., insh. 64 Universal radiometer. Mauka i pered. op. v sel'khos. 7 no.10:59-60 0 '57. (MLRA 10:11) 0 157. (Radiometer)

KADUK, B.G.

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Effect of nonlinear distortions on errors in the measurement of a phase shift between two voltages. Ism.tekh. no.6:44-45 Je '61. (MIRA 14:5)

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(Electronic measurements)



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KADUK, B.G.; SLOBODYANSKIY, L.E.

Effect of the phase shift of harmonic components on the measurement error of electronic phase meter. Izm.'tekfi, nc.8:54-55 Ag '62. (MIRA 16:4) (Electronic instruments-Testing)

APPROVED FOR RELEASE: 07/19/2001

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Measurement of nonlinear distortions. Radio no.12:30-31 D '62. (MIRA 1613) (Radio measurements) (Electric measurements)

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"APPROVED FOR RELEASE: 07/19/2001

KADUK, B.G.; GLADSKIY, A.I.

NET MARTINE

Analysis and investigation of some square-law detector circuits. Ism.tekh. no.2:38-42 F '63. (MIR (Electronic circuits) (MIRA 16:2)



"APPROVED FOR RELEASE: 07/19/2001

KADUK, B.G.

Applying the conceptions of the information theory to the design measuring equipment. Izm. tekh. no.8:5-6 Ag '63. (MIRA 16:10)

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KADUK, B.G., inzh.

Some features of using S6-1 apparatus for measuring nonlinear distortions. Vest. aviazi 23 no.537 My '63. (MIRA 17:4)

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KADUK, B.G.; GLADSKIY, A.I.; ONOFRIYCHUK, Yu.A.

Amplifier with composite feedback. Avtom. i prib. no.3: 71-73 Jl-S '64. (MIRA 18:3)

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ACC NR. AT6021247	SOURCE CODE: UR/3217/65/000/	001/0133/0135
UTHOR: Kaduk, B. G. (Engineer)	•	21
RG: none		B+1
TTLE: Circuit for determining the he first harmonic	phases of higher harmonics with res	pect to
OURCE: Ukraine. Ministerstvo vysa Priborostroyeniye, no. 1, 1965, 13	shego i srednego spetsial'nogo obrazo 33—135	ovaniya.
OPIC TAGS: phase measurement, pha	ase meter	
armonic has been measured by isol	of a higher harmonic with respect the lating the harmonic and dividing its rge errors. A new idea is suggested ($r_{1} \cos(n \omega_{1} t \pm \varphi_{n})$	frequency;
is applied — via a low-distortion or amplifier 1 — to orthogonal co latter can be represented by a two mixer, Hall generator, thermoconve- stc. To the second input of the op- converter, a harmonic signal $u_{0} = 1$	n cathode follower onverter 2: the o-grid-tube erter bridge, rthogonal	G 7
Converter, a narmonic signal $\mu_{\rm s} = 1$		

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 3, 1966, 3-10 TOPIC TAGS: orthogonal convertor, spectrum analysis, resolution capacity, signal analysis ABSTRACT: The matter of raising resolving capacity and accuracy of spectrum analyzer has become urgent at the present time. Analyzers of high resolving capacity and accuracy are used as indicators at the output of time-scale compression systems in th analysis of ELF signals, at the output of IF amplifiers of various HF systems, for studying phase and frequency stability of HF signals, for analyzing the spectrum of their amplitude and phase fluctuations, and for determining the level of parasitic side components. Such analyzers may also be used independently in studying acoustic and hydroacoustic signals, oscillatory processes in various mechanical systems, in medical research, etc. Orthogonal converters are of promise in the construction of accurate spectrum analyzers of high resolving capacity. The circuit of the orthogonal 	ACC NR: AT6034601 (N) SOURCE CODE: UR/3232/66/000/003/0003/0010
 TITLE: Raising the accuracy of spectrum analyzers based on orthogonal converters SOURCE: L'vov. Politekhnicheskiy institut. Kontrol'no-izmeritel'naya tekhnika, no. 3, 1966, 3-10 TOPIC TAGS: orthogonal convertor, spectrum analysis, resolution capacity, signal analysis ABSTRACT: The matter of raising resolving capacity and accuracy of spectrum analyzer has become urgent at the present time. Analyzers of high resolving capacity and accuracy are used as indicators at the output of time-scale compression systems in th analysis of ELF signals, at the output of IF amplifiers of various HF systems, for studying phase and frequency stability of HF signals, for analyzing the spectrum of their amplitude and phase fluctuations, and for determining the level of parasitic side components. Such analyzers may also be used independently in studying acoustic and hydroacoustic signals, oscillatory processes in various mechanical systems, in medical research, etc. Orthogonal converters are of promise in the construction of accurate spectrum analyzers of high resolving capacity. The circuit of the orthogonal converter uses the orthogonality of trigonometric functions corresponding to two inpu signals, i.e., the linearity of the conversion characteristic: 	AUTHOR: Kaduk, B. G.; Kashlev, V. P.; Skripnik, Yu. A.
 SOURCE: L'vov. Politekhnicheskiy institut. Kontrol'no-izmeritel'naya tekhnika, no. 3, 1966, 3-10 TOPIC TAGS: orthogonal convertor, spectrum analysis, resolution capacity, signal analysis ABSTRACT: The matter of raising resolving capacity and accuracy of spectrum analyzer has become urgent at the present time. Analyzers of high resolving capacity and accuracy are used as indicators at the output of time-scale compression systems in th analysis of ELF signals, at the output of IF amplifiers of various HF systems, for studying phase and frequency stability of HF signals, for analyzing the spectrum of their amplitude and phase fluctuations, and for determining the level of parasitic side components. Such analyzers may also be used independently in studying acoustic and hydroacoustic signals, oscillatory processes in various mechanical systems, in medical research, etc. Orthogonal converters are of promise in the construction of accurate spectrum analyzers of high resolving capacity. The circuit of the orthogonal converter uses the orthogonality of trigonometric functions corresponding to two inpu signals, i.e., the linearity of the conversion characteristic: 	ORG: none
3, 1966, 3-10 TOPIC TAGS: orthogonal convertor, spectrum analysis, resolution capacity, signal analysis ABSTRACT: The matter of raising resolving capacity and accuracy of spectrum analyzer has become urgent at the present time. Analyzers of high resolving capacity and accuracy are used as indicators at the output of time-scale compression systems in th analysis of ELF signals, at the output of IF amplifiers of various HF systems, for studying phase and frequency stability of HF signals, for analyzing the spectrum of their amplitude and phase fluctuations, and for determining the level of parasitic side components. Such analyzers may also be used independently in studying acoustic and hydroacoustic signals, oscillatory processes in various mechanical systems, in medical research, etc. Orthogonal converters are of promise in the construction of accurate spectrum analyzers of high resolving capacity. The circuit of the orthogonal converter uses the orthogonality of trigonometric functions corresponding to two input signals, i.e., the linearity of the conversion characteristic:	TITLE: Raising the accuracy of spectrum analyzers based on orthogonal converters
analysis ABSTRACT: The matter of raising resolving capacity and accuracy of spectrum analyzer has become urgent at the present time. Analyzers of high resolving capacity and accuracy are used as indicators at the output of time-scale compression systems in th analysis of ELF signals, at the output of IF amplifiers of various HF systems, for studying phase and frequency stability of HF signals, for analyzing the spectrum of their amplitude and phase fluctuations, and for determining the level of parasitic side components. Such analyzers may also be used independently in studying acoustic and hydroacoustic signals, oscillatory processes in various mechanical systems, in medical research, etc. Orthogonal converters are of promise in the construction of accurate spectrum analyzers of high resolving capacity. The circuit of the orthogona converter uses the orthogonality of trigonometric functions corresponding to two inpu signals, i.e., the linearity of the conversion characteristic:	SOURCE: L'vov. Politekhnicheskiy institut. Kontrol'no-izmeritel'naya tekhnika, no. 3, 1966, 3-10
has become urgent at the present time. Analyzers of high resolving capacity and accuracy are used as indicators at the output of time-scale compression systems in th analysis of ELF signals, at the output of IF amplifiers of various HF systems, for studying phase and frequency stability of HF signals, for analyzing the spectrum of their amplitude and phase fluctuations, and for determining the level of parasitic side components. Such analyzers may also be used independently in studying acoustic and hydroacoustic signals, oscillatory processes in various mechanical systems, in medical research, etc. Orthogonal converters are of promise in the construction of accurate spectrum analyzers of high resolving capacity. The circuit of the orthogona converter uses the orthogonality of trigonometric functions corresponding to two inpu signals, i.e., the linearity of the conversion characteristic:	TOPIC TAGS: orthogonal convertor, spectrum analysis, resolution capacity, signal analysis
	accuracy are used as indicators at the output of time-scale compression systems in the analysis of ELF signals, at the output of IF amplifiers of various HF systems, for studying phase and frequency stability of HF signals, for analyzing the spectrum of their amplitude and phase fluctuations, and for determining the level of parasitic side components. Such analyzers may also be used independently in studying acoustic and hydroacoustic signals, oscillatory processes in various mechanical systems, in
	accurate spectrum analyzers of high resolving capacity. The circuit of the orthogonal converter uses the orthogonality of trigonometric functions corresponding to two input signals, i.e., the linearity of the conversion characteristic:

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ant fan felienen om inter ander om er ACC NR: AT6034601 $A(U_{\bullet}) = \int_{0}^{1} U(t) U_{t}(t) dt,$ (1)where U(t) is the signal analyzed, $U_{g} = U_{0}e^{j\omega_{0}t}$ is the signal of a tunable generator whose frequency determines the analysis frequency, and A (U_{ω}) is the signal at orthogonal converter output. Specific cases are discussed. Orig. art. has: 22 formulas and 5 figures. SUB CODE: 09, 14/ SUBM DATE: none/ 006 ORIG REF: Card 2/2 業調査

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SOURCE : Byru	llətən' izobrətəniy	i tovarnykh znakov	7, no. 9, 1965, 34
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KADUK, B.G.; SKRIPNIK, Yu.A.

Measurement of small coefficients of nonlinear distortions in a wide range of frequencies. Izv.vys.ucheb.zav.; radiotekh. 8 no.4:486-489 J1-Ag '65.

(MIRA 18:11)

1. Submitted January 13, 1965.

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KONA, E.; HAVASSY, I.; ZIMMERMANN, J.; KADUK, J.; Institute of Pathological Physiology, Veterinary Faculty, College of Agriculture (Ustav Patologickej Fyziologie Veterinarskej Fakulty VSP), Kosice.

"Some Biochemical Changes in the Blood of Sheep After Intensive Bleeding."

Prague, Veterinarni Medicina, Vol 11, No.8, Aug 66, pp 517 - 522

Abstract /Authors' English summary modified 7: The response of certain intermediary metabolites in the blood of adult sheep to a blood letting of 1850 ml of blood within 10 days was investigated for a period of 38 days. The curves of the levels of glucose, hexoses bound to serumproteins, and beta-hydroxybutyric acid show a maximum increase between the 5th and 11th days after blood letting and a second maximum after 20 days. Non-esterified fatty acids show an increase to a maximum on the 5th day and then decrease steadily. Albumins and gammaglobulins reach a minimum on the 11th day, and then start increasing. No changes of serum amino nitrogen and alpha globulins were observed. 1 Figure, 22 Western, 4 Czech references. (Manuscript received 1/1 14 Jul 65).

APPROVED FOR RELEASE: 07/19/2001

KADUK, J.

New method of alkylating ketones and aldehydes. Wiad chem 18 no.3:177-178 Mr*64

Stereospecific synthesis of olefins from 1,2 diols. Tbid.:178-179.

APPROVED FOR RELEASE: 07/19/2001

KADUKOV, Ya.; MARGOLIN, M.

Cleaning mite-infested grain. Muk.-elev.prom.22 no.12:8-10 D '56. (MLRA 10:2)

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KADUKOV, Ya.; MARGOLIN, M.; BUKHDRUKER, M.; (Tallin, Estonskaya SSR); MAHUYLOV, A.: PISHCHEFS. S.

> Improve record keeping in grain dorage. Muk.-elev. prom. 26 no.10: 28-30 0'60. (MIRA 13:10)

 L'vevskoye mesheblastneye upravleniye khleboproduktov (for Kadukov, Margelin). 2. Olavnyy inshener Upravleniya pe priyemke i sekhrannosti sernevykh, meliehuykh kul'tur i sertevykh semyan Ministerstva khleboproduktov Kasakhskoy SSR (for Manuylev).
 Belotserkevskaya realisatsionnaya basa (for Pishchets). (Grain elevators-Accounting)

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KADULIN, Valentin Gennadiyevich; FOLUNIN, Vladimir Sergeyevich; GUROV, S., red.; KUZNETSOVA, A., tekhn. red.

1244 a

[Caramel production line] Karamel'nyi potok. Mosk. rabochii, 1961. 45 p. (MIRA 14:11) (Caramel)

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APPROVED FOR RELEASE: 07/19/2001

KADULIN, Ya.I., polkovnik zapasa

Czheckoslovakian Aviation Day. Vest.Vozd.Fl. no.9:82-83 S'6C. (MIRA 13:10)

(Csechoslovakia--Aeronautics)

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KADUN, T.

Compensation in surveying differences obtained by instruments for precise optical measurement. p. 280.

ENERGIA DE LORDE DE L

GEODETSKI LIST, Zagreb. Vol. 9, No. 7/109 July/Oct. 1955.

SO: EEAL, Vol. 5, No. 7 July 1956

APPROVED FOR RELEASE: 07/19/2001

KADURIN, I.M.

Device for surveying the profile of open-pit banks. predl. v stroi. no.79:23-25 154. (Surveying)	Rats. i izobr. (MIRA 8:4)
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KADURIN, I.M. Inadvisability of using twin parallel series connections for electric detonators. Gor shur. no.3:37-b1 Mr 157. (MIHA) (MLRA 10:4) de · 1. Amvrosiyevskiy uchastok Ukrvsryvproma. (Detonators) (Blasting)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000519830010-4

KADURIN, I.M.

Short-delay blasting without failure. Gor.zhur. no.6:38-40 Je 157. (MLRA 10:8)

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(Blasting)

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SUBJECT:	USSR/Mining 127-10-16/24
AUTHOR :	Kadurin, I.N.
TITLE:	Instantaneous Exploding of Charges without Misfires (O bezot- kaznom mgnovennom vzryvanii zaryadov)
PERIODICAL:	Gornyy Zhurnal, 1957, #10, pp 66-69 (USSR)
ABSTRACT:	The author discusses various methods of connecting electric blasting caps used in conducting large-scale blasting operations and comes to the following conclusions:
	 The series circuit with series connection of caps by pairs is the most reliable and simple when dynamo-electric and con- denser exploding machines or a general electric network are used for blasting; The series-parallel circuit with series connection of caps by pairs is more expedient when a great number of charges are exploded from a general electric network. The scheme of a doubling circuit with a detonating fuse

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ederko <u>s</u> ie	3				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A	计学校学校的分析法的文化学	26345-F	相对于这些人。			
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JLOBIN, O.A.; INVSTIGNEINV, Jo.V.; KADUSHIN, A.A.; SHOR, G.I.
Automatically maintaining the separation level of media of different densities. Enim. i tokh.topl. i masel 4 no.1:20-24 (NIRA 12:1)
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(Jadioisotopes--Industrial applications) (Petroleum--Refining)

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S/115/60/000/010/005/028 B021/B058

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AUTHORS:	Andres, U. Ts., Kadushin, A. A., and Shor, G. I.	
TITLE:	Measuring the Velocity of Fall of Bodies in a Liquid by a <u>Radiometric Method</u> /9	
PERIODICAL:	Izmeritel'naya tekhnika, 1960, No. 10, pp. 27-28	VC.
described fo transparent increasing r ball. In 195 issledovatel <u>Scientific R</u> measuring th liquid itsel measuring pa (6N15P), the	blications a great number of various schemes and devices : r measuring the velocity of the movement of a ball in non- liquids. All these methods become unreliable with an atio between the diameter of the tube and the diameter of 9, a device was designed at the Vsesoyuznyy nauchno- 'skiy institut po pererabotke nefti i gaza (<u>All-Union</u> esearch Institute for the Processing of Oil and Gas) for e velocity of the movement of bodies in a liquid and of the f respectively, by means of tagged atoms. The scheme of the rt of the device is shown in Fig. 1. The valve 6H15H cell of two diodes $A \Gamma U-12$ (A_1 and A_2)(DGTs-12)(D_1 and ys $P_1(R_1)$ and $P_2(R_2)$ are used for it. In connection with	the the he Do)
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S/534/62/000/022/002/002 1033/1240 AUTHORS: Kadushin, A.A., and Vorob'yev, G.G. TITLE: A method of investigation of meteorites and tektites PERIODICAL: Akademiya nauk SSSR. Komitet po meteoritam. Meteoritika, no. 22. Moscow, 1962, 104-109 TEXT: The application of infrared absorption analysis in chemistry and minerology is reviewed. Because of its insensitivity to native metals infrared spectroscopy may be used only for stone meteorites. The spectrometer UR - 10 manufactured by Karl Zeiss of Yena, GDR was used for analysis. The powders to be investigated were mixed with KBr or NaCl and pressed into tablets. Card 1/2

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KADUSHIN, A.A.; VOROB'YEV, G.G.

Using infrared spectrometric analysis in investigating meteorites and tektites. Meteoritika no.22:104-109 '62. (MIRA 15:8) (Spectrometry) (Meteorites) (Tektite)

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	ACCESSION NR: AP4040603	8/0204/64/004/003/0441/0	
	AUTHOR: Braudo, Ye, Ye.; Kadushin, A. A.;	Dintses, A. I.	74 6
	TITLE: Structure and thermal conversion of monoxide	copolymers of ethylene and carbon	
•	SOURCE: Neftekhimiya, v. 4, no. 3, 1964, 4		
•	TOPIC TAGS: ethylene carbon monoxide copoly condensation, thermal condensation, cross is structure, electroconductivity	•	yl one
	ABSTRACT: As a continuation of work on the copolymers of ethylene and continue of the sector of the	structure and thermal conversion of	P
	irradiation (Ye. Ye. Braudo, A. I. Dinstses, authors made an intensive study of the IR sp at different temperatures. Interpretation of sized at 70-1200 indicated they have a polyk synthesized at 2150 have a more complex stru It was assumed that the thermal conversion of	ectra of these copolymers synthesiz f the IR spectra of copolymers synthesiz etone structure. The copolymers	the ted the

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