

RUDCHENKO, Yu.A.

Effect of prolonged antibacterial therapy on vitamin B₆ metabolism. Vop. med. khim. 8 no.3:283-288 My-Je '62.

(MIRA 15:7)

1. Skin Tuberculosis Clinic, Academician F.G. Yanovsky
Ukrainian State Research Institute of Tuberculosis, Kiev.
(PYRIDOXINE) (THIAMINE) (PHTHIVAZIDE)
(SALICYLIC ACID)

RUDCHENKO, Ye.V., inzh.

Industry's need for natural wall materials. Stroi.mat. 10 no.8:20 Ag
'64. (MIRA 17:12)

SOV/137-57-11-21234

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 87 (USSR)

AUTHORS: Frantsevich, I.M., Podorvan, I.M., Rudchenko, Yu.V.

TITLE: Electrochemical Production of Al-Ca Alloys With Molten Cathode (Elektrokhimicheskoye polucheniye splavov Al-Ca na zhidkom katode) in Ukrainian

PERIODICAL: Nauk. zap. Kyyivs'k. un-t, 1956, Vol 13, Nr 13, pp 107-118

ABSTRACT: It is shown that Al-Ca alloys may be produced with a molten Al cathode by electrolysis of a eutectic mixture of CaCl_2 and NaCl at temperatures above the eutectic temperature of the Al-Ca system (616°C). The dependence of current efficiency upon temperature, current density, and alloy composition is established. The optimum current efficiency was observed at $780-800^\circ$ and a current density of $0.6-0.7 \text{ amp/cm}^2$. Under these conditions of electrolysis it is not possible to obtain an alloy with Ca contents $> 25\%$.

N.P.

Card 1/1

ACCESSION NR: AP4042960

S/0048/64/028/007/1164/1168

AUTHOR: Nemets, O.F.; Rudchik, A.T.; Usik, V.A.

TITLE: Investigation of the low lying states of silicon 28 obtained in the (α, t) reaction on aluminum 27 /Report, 14th Annual Conference on Nuclear Spectroscopy held in Tibilisi 14-21 Feb 1964/

SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v.28, no.7, 1964, 1164-1168

TOPIC TAGS: nuclear reaction, alpha reaction, nuclear spectroscopy, silicon, aluminum

ABSTRACT: The $Al^{27}(\alpha, t)Si^{28}$ reaction was investigated with the purpose of exploring the suitability of (α, t) reactions for nuclear spectroscopy investigations. For this purpose, (α, t) reactions would have the advantage over (d, n) reactions that the energies of the tritons could be more accurately measured than those of the neutrons. A beam of 27.2 MeV α -particles was employed, and two groups of tritons were distinguished, corresponding to the ground state of Si^{28} and its first excited state at 1.78 MeV. The cross sections were measured with an accuracy of 15%. The angular distributions of the two triton groups were sharply peaked in the forward

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ACCESSION NR: AP4042960

direction; this indicates that the reaction was predominantly direct. It is estimated that compound nucleus formation contributed only 1% to the formation of the ground state, and 3% to the formation of the excited state. The reaction is discussed briefly in terms of the dispersion theory of direct reactions. It is concluded that the stripping mechanism should predominate, but that direct knock-out of the triton with capture of the α -particle, as well as other more complex mechanisms may contribute appreciably. The angular distributions are compared with the stripping reaction theory of M.El Nadi (Phys.Rev.120,1360,1960). The principal (forward) peak in the distribution of each of the triton groups is well represented by the theory with a value of the interaction radius (5.1 fermi) that is consistent with other measurements on A^{127} . A secondary maximum at about 30° cannot be explained by simple stripping. The position of this maximum can be obtained from Butler's theory of direct reactions with knock-out processes included, but only by assuming a large value for the interaction radius. It is concluded that (α, t) reactions are suitable for nuclear spectroscopy investigations, but that the angular distributions can be explained only by considering the contributions of various reaction mechanisms and the distortion of the wave functions by the Coulomb field. Orig.art.has: 3 formulas, 3 figures and 3 tables.

2/3

ACCESSION NR: AP1012989

ASSOCIATION: Institut Fiziki Akademii nauk USSR (Institute of Physics, Academy of Sciences, SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NR REF SOV: 002

OTHER: 006

3/3

RUDDER, Ernest J.

Author Aluminum, Hubert and Ernest J. Rudder

Title An Evaluation of Magnesium in Germany during World War II (Part IV)

Publication Modern Metals Vol. _____

Date June 1948 Pages 25-27 No. of Pgs. _____

Abstract

This part treats with aluminum-magnesium alloys and their applications.

- Hy 51 5% Mg, 1% Si + Ni (Cast cylinder heads)
- Hy 71 7% Mg, 1% Ni + 2% Ti
- Hy 35 3.5% Mg, low Mn, 0.8% Si

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

PROCESSING AND PREPARATION SHEET

11-H

Investigations on the biological action of *p*-aminobenzoic acid and the sulfamides. I. Inhibitory action of *p*-aminobenzoic acid on the cardiovascular system. D. Danielopolu and A. Rudeanu (Univ. Bucharest). *Bull. acad. med. Roumanie* 13, No. 1/2, 185-9(1943).—*p*-Aminobenzoic acid (I) inhibits the contractions of the isolated frog heart, and atropine (II) prevents this inhibition. In the cat, I produces a hypotension which is also prevented by II. One γ of I has the same effect as 0.001 γ of acetylcholine, when each is injected intravenously in the same animal. When injected into the femoral artery of the dog, I causes a vasodilation which is augmented by eserine and prevented by II. II. Inhibitory action of sulfathiazole on the cardiovascular system. *Ibid.* 190-1.—Intravenous injection of cibazol (III) in the cat, and injection of ecludron (IV) into the femoral artery of the dog produce hypotension, which can be prevented by injection of II. III. Inhibitory action of *p*-aminobenzoic acid and of sulfathiazole on the heart and blood vessels and the mutually inhibitory action of these two associated drugs. *Ibid.* 102-6.—Injection of 10 mg. of I into the central end of the femoral artery of the dog produces a vasodilation, as does a dose of 50 mg. of IV. Injection of the 2 together has no effect. A dose of 8 mg. of I produces a vasodilation which becomes less if 20 mg. of III is simultaneously administered, but does not disappear until the ratio of the 2 substances becomes 1:12.5. At this ratio, 8, 12, and 16 mg. of I are ineffective, but if the amt. of III is raised so as to make the ratio 1:25, vasodilation is again produced. IV. Augmenting action of small doses of sulfathiazole on the vascular inhibition of *p*-aminobenzoic acid. *Ibid.* 197-9.—In the dog's paw, simultaneous injection of 1 γ of I and 1 γ of IV causes vasodilation although neither has an effect when injected alone. The same is true for simultaneous injection of 0.05 γ of I and 10 γ of IV. In an expt. where vasodilation was produced by 1 γ of I, this effect was exaggerated by 10 γ of III.

Marshall E. Deutch

METALLURGICAL LITERATURE CLASSIFICATION

Antagonistic action of vitamin B₁ and sulfonamides on tissues. A. Rudeanu (Hôpital Filantropia, Bucharest, Rumania). *Bull. Acad. med. Roumanie* 14, 473-3 (1943).

Expts. were made on frog hearts perfused by use of the Kroencke app. *p*-Aminobenzoyl acid (I) in concns. of 0.1% and 0.01%, Na sulfathiazole (II) in concns. from 0.3 to 1%, and sulfathiazole (III) in concns. from 0.1% to 2% pushed arrhythmia and decreased contractility and conductivity almost to the point of stopping the heart. Normal activity was restored by perfusion with Luceri's soln. (IV). The heart stopped by I could be revived by administration of II or III and the heart stopped by II or III could be revived by a dose of I which previously would have stopped it. In the latter case, I used a more rapid return to normal than did pure IV. The displacement of I by III in tissues is suggested. M. E. D.

New facts showing that the excitatory action of adrenaline on the longitudinal muscle of the terminal end of the guinea-pig ileum is due to acetylcholine liberated indirectly by the action of adrenaline. D. Dumitrescu and M. Popesco (Civ. Clin. Med., Bucharest, Rumania). *Bull. Acad. med. Roumanie* 18, 66 (1946). The organ was treated with NSIF in a dose sufficient to inhibit the sympathomimetic action of adrenaline (I) without affecting its parasympathomimetic action, after which I still produced a contraction of the longitudinal fibers. After atropine, which has an effect opposite to that of NSIF, I inhibited these fibers. The stimulating action of I on the fibers was thus due to the parasympathomimetic action produced by the compensatory cellular response to I.

Marshall F. Deutsch

RUDEANU, S.

Development of the algebraic theory of automatic mechanisms
in Rumania. Gaz mat fiz 69 no.9:321-324 S '64.

RUDEANU, S.

"Introduction to the lattice theory" by G. Szasz. Reviewed by
S. Rudeanu. Rev math pures 8 no. 3:516-518. '63

L0527
S/044/62/000/008/055/073
C111/C333

AUTHOR: Rudeanu, Sergiu
TITLE: Boolean equations and their applications to the study of bridge-circuits. I. II
PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 47-48, abstract 8V250. (Bull. math. Soc. sci. math. et phys. RFR", 1959, 3, no. 4, 445-473)
TEXT: English translation of the paper of the author (Buletinul matematic SSMF, 1959, 3, 51).

In § 1 a method for the solution of Boolean equations is proposed. It is stated that the relations

$$a_i = b_i \text{ and } \bigcup_{i=1}^m (a_i \bar{b}_i \cup \bar{a}_i b_i) = 0, \quad i = 1, \dots, m$$

are equivalent.

Theorem: If there exists a solution of the equation system

$$\varphi_i(x_1, \dots, x_n) = \psi_i(x_1, \dots, x_n) \quad (i = 1, \dots, m), \quad (1)$$

Card 1/4 REFERENCE S/044/62/000/008/055/073

S/044/62/000/008/055/073

G111/C333

Boolean equations and their . . .

where $m \geq 1, n \geq 1$, while the functions $\varphi_i(x_1, \dots, x_n), \psi_i(x_1, \dots, x_n)$ are expressed by a finite number of operations " \cup ", " \cdot ", " $-$ ", then it has the form

$$x_k = X_k(u_k, u_{k+1}, \dots, u_n), k = 1, \dots, n \tag{2}$$

where u_1, \dots, u_n are arbitrary parameters, while the functions X_1, \dots, X_n are expressed by a finite number of operations " \cup ", " \cdot ", " $-$ ". The algorithm for finding out the solution consists of the following scheme: One determines the expression which is equivalent to the system

$$\bigcup_{i=1}^m [\varphi_i(x_1, \dots, x_n) \psi_i(x_1, \dots, x_n) \cup \varphi_i(x_1, \dots, x_n) \times \psi_i(x_1, \dots, x_n)] = 0 \tag{3}$$

and denotes the expression by

$$\varphi(x_1, \dots, x_n) = 0 . \tag{4}$$

Out of (4) one obtains the expansion in terms of x_1

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C111/0333

Boolean equations and their . . .

$$f_1(x_2, \dots, x_n) x_1 \cup g_1(x_2, \dots, x_n) \bar{x}_1 = 0 \quad (5)$$

To this equation the relation

$$f_1(x_2, \dots, x_n) g_1(x_2, \dots, x_n) = 0 \quad (6)$$

is equivalent.

Out of (6) one obtains the expansion in terms of x_2 :

$$f_2(x_3, \dots, x_n) x_2 \cup g_2(x_3, \dots, x_n) \bar{x}_2 = 0 \quad (7)$$

and so on. If $f_n g_n \neq 0$, then (4) has no solution. If $f_n g_n = 0$, then

$$x_n = X_n(u_n) = \bar{f}_n u_n \cup g_n \bar{u}_n \quad (8)$$

and: $x_k = X_k(u_k, u_{k+1}, \dots, u_n) = f_k(X_{k+1}(u_{k+1}, \dots, u_n), \dots, X_n(u_n)) u_k \cup g_k(X_{k+1}(u_{k+1}, \dots, u_n), \dots, X_n(u_n)) \bar{u}_k; k = n, n-1, \dots, 1.$

Lemma: (5) is solvable if and only if (7) is solvable. If (7) is solvable, then (x_1, \dots, x_n) is the solution of (5) if and only if

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Boolean equations and their . . .

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1. (x_1, \dots, x_n) is the solution of (7)
2. there exists an u_1 such that

$$x_1 = f(x_2, \dots, x_n) u_1 \cup g_1(x_2, \dots, x_n) \bar{u}_1.$$

By aid of the proposed method one proves five theorems on the invariance of the admittances of the multiterminal network by application of the transformations of some of its direct conductances.

[Abstracter's note: Complete translation.]

Card 4/4

RUDEANU, S.

Gr. C. Moisil's Scheme cu comanda directa cu contacte si relee
(Direct Control Relay Contact Systems); a book review. Studii cerc
mat 11 no.1:268-269 '60. (EEAI 10:9)

(Moisil, Gr. C.) (Electric contactors)
(Electric relays)

RUDEANU, Sergiu

On the definition of Boolean algebras by binary operations. Studii
cerc mat 11 no.2:451-467 '60. (EAI 10:9)

(Algebra, Boolean) (Groups, Theory of)
(Fields, Algebraic) (Binary system(Mathematics))

16.0000
12.0000

h0528

S/044/62/000/008/056/073

C111/C333

AUTHOR: Rudeanu, Sergiu

TITLE: Boolean equations and their application to the study of bridge-circuits. II. I]

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 48, abstract 8V251. ("Comun. Acad. RPR", 1961, 11, no. 6, 611-618)

TEXT: Results which have been proved in the first part (Ref. 8V250) are improved. In § 1 there is proved:
Theorem 1: (x_1, \dots, x_n) is the solution of the Boolean equation

$$\sigma_1, \dots, \sigma_n \bigcup_{\sigma_n} \dots \sigma_n x_1^{\sigma_1} \dots x_n^{\sigma_n} = 0 \quad (1)$$

if and only if

Card 1/5 *11 REFERENCES S/044/62/000/008/056/073*

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C111/C333

Boolean equations and their . . .

$$\bigcap_{\sigma_2, \dots, \sigma_n} c_{\sigma_2, \dots, \sigma_n} < x_1 < \bigcup_{\sigma_2, \dots, \sigma_n} \bar{c}_{\sigma_2, \dots, \sigma_n} \quad (2.1)$$

$$\bigcup_{\tau_1, \dots, \tau_{l-1}} \left(\bigcap_{\sigma_{l+1}, \dots, \sigma_n} c_{\tau_1, \dots, \tau_{l-1}, \sigma_{l+1}, \dots, \sigma_n} \right) x_1^{\tau_1} \dots x_{l-1}^{\tau_{l-1}} <$$

$$< x_l < \bigcup_{\tau_1, \dots, \tau_{l-1}} \left(\bigcup_{\sigma_{l+1}, \dots, \sigma_n} c_{\tau_1, \dots, \tau_{l-1}, \sigma_{l+1}, \dots, \sigma_n} \right) \times$$

$$\times x_1^{\tau_1} \dots x_{l-1}^{\tau_{l-1}} \quad (2 < l < n - 1) \quad (2.l)$$

$$\bigcup_{\tau_1, \dots, \tau_{n-1}} c_{\tau_1, \dots, \tau_{n-1}} x_1^{\tau_1} \dots x_{n-1}^{\tau_{n-1}} < x_n <$$

$$< \bigcup_{\tau_1, \dots, \tau_{n-1}} \bar{c}_{\tau_1, \dots, \tau_{n-1}} x_1^{\tau_1} \dots x_{n-1}^{\tau_{n-1}}, \quad (2.n),$$

where independently from each other the indices run through the values 0 and 1, where besides it is supposed, that for n - 1 there holds

$$\bigcap_{\sigma_2, \dots, \sigma_n} a_{\sigma_2, \dots, \sigma_n} = \bigcup_{\sigma_2, \dots, \sigma_n} a_{\sigma_2, \dots, \sigma_n} = a_{\epsilon} \quad (\epsilon = 0, 1).$$

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Boolean equations and their . . .

Theorem 2: If (x_1, \dots, x_n) is the solution of (1), then

$$\bigcap_{\substack{\sigma_1, \dots, \sigma_{i-1} \\ \sigma_{i+1}, \dots, \sigma_n}} \sigma_1 \dots \sigma_{i-1} \sigma_{i+1} \dots \sigma_n \leq x_i \leq \bigcup_{\substack{\sigma_1, \dots, \sigma_{i-1} \\ \sigma_{i+1}, \dots, \sigma_n}} \bar{\sigma}_1 \dots \bar{\sigma}_{i-1} \sigma_{i+1} \dots \sigma_n$$

(i = 1, \dots, n) (3.i)

It is stated that each system of Boolean equations (1) can be transformed into an equation of the form (1) by aid of the formula

$$\sigma_1 \dots \sigma_n = \bigcup_{i=1}^m \left[\varphi_i(\sigma_1, \dots, \sigma_n) \psi_i(\sigma_1, \dots, \sigma_n) \cup \bigcup_{i=1}^m \varphi_i(\sigma_1, \dots, \sigma_n) \psi_i(\sigma_1, \dots, \sigma_n) \right]$$

(4)

In § 2 the results of § 1 are used in order to determine multiterminal networks, which are equivalent to a given network. One considers the set

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Boolean equations and their . . .

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\mathcal{N} of the ordered knot couples of a circuit S . The admittance between the knot couple (μ, ν) of S is denoted by $\chi_{\mu\nu}(S)$. The multiterminal networks A and B are equivalent with respect to \mathcal{N} , if there is

$$\chi_{\mu\nu}(A) = \chi_{\mu\nu}(B) \quad (5)$$

for every couple $(\mu, \nu) \in \mathcal{N}$. The relations (5) are interpreted as a system of Boolean equations, the unknown variables of which are the direct conductances b_{ij} of B . In order to give necessary and sufficient conditions, which b_{ij} have to satisfy in order A and B to be equivalent,

two methods are proposed. The first method consists in substituting the system (5) by an equation of the type (1) and in the fact that the sufficient and necessary conditions are obtained by aid of theorem 1. The second method uses the theorem of Löwenheim, L. (Math. Ann., 1910, 68 169-207).

Theorem 3: Let V be a multiterminal network with just as many knots as the network A (or B); let the admittances v_{ij} of V be arbitrary parameters. It is necessary and sufficient for A and B being equivalent with respect to \mathcal{N} , that the relation

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S/044/62/000/008/056/073

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Boolean equations and their . . .

$$b_{\alpha\beta} = a_{\alpha\beta} \bigcup_{(\mu, \nu) \in \mathcal{R}} [\chi_{\mu, \nu}(A) \overline{\chi_{\mu, \nu}(V)} \cup \overline{\chi_{\mu, \nu}(A)} \chi_{\mu, \nu}(V)] \cup$$

$$\bigcup_{(\mu, \nu) \in \mathcal{R}} [\chi_{\mu, \nu}(A) \chi_{\mu, \nu}(V) \cup \overline{\chi_{\mu, \nu}(A)} \overline{\chi_{\mu, \nu}(V)}]. \quad (6)$$

holds, which must be satisfied for arbitrary two knots i, j of A (or B).
On the base of theorem 3 the problem of simplification of circuits is
newly formulated.

[Abstracter's note: Complete translation.]

f

Card 5/5

Country: Romania

Article Subject: -not given-

Article Title: -not given-

Author: Scutariu, Constantin Academical Republic of Romania, Journal, No 7, 1964, pp 773-778.

Title: "On the solution of the Problem of Transports by the Riverway Network"

Author:

Scutariu, C. P.
RO 773, 3.

070 911-9

RUDEANU, Sergiu

The Boolean and the Sheffer functions. Studii cer mat 12 no.2:
553-566 '61.

RUDEANU, Sergiu

Determining the Hamiltonian circuits of the graphs by the R. Fortet method. Comunicarile AR 12 no.6:661-666 Je '62.

1. Comunicare prezentata de academician Gr. G. Moisil.

RUDEANU, S.

"Theory of graphs and their applications" by Claude Berge. Reviewed by S.Rudeanu. Rev math Roum 10 no.1:95 '65.

"Theory of categories" by A.G.Kurosch, A.Ch. Liwschitz, E.G. Schulgeifer, M.S.Zalenko. Reviewed by S.Rudeanu. Ibid.:97-98

RUDEANU, S.

On Boolean algebras and mathematical logic. Gaz mat fiz 70
no.3:84-95 Mr '65.

RUDEANU, Sergiu

On the Boolean algebras and mathematical logic. Gaz mat fiz
70 no.2:41-47 F '65.

RUDEANU, Sergiu (Bucharest)

Logical dependence of certain chain conditions in lattice theory.
Acta math Szeged 25 no.3/4:209-218 '64.

1. Submitted May 20, 1963.

RUDEANU, S.

"Introduction to the theory of connection" by G.Szasz. Reviewed
by S.Rudeanu. Rev math pures 8 no.3:516-518 '63.

IVANESKU, P. [Ivanescu, P.]; ROZENBERG, Ivo; RUDYANU, S. [Rudeanu, S.]

Application of discrete linear programming to the minimization of Boolean functions. Rev math pures 8 no.3:459-475 '63.

1. Institut matematiki Akademii RNR (for Ivanescu, Rudeanu).
2. Vyssheye tekhnicheskoye uchilishche, Brno, ChSSR (for Rozenberg).

DELEANU, A., cercetator; RUDEANU, S., cercetator

Electronics machines computing and modeling some intellectual processes. Gaz mat fiz 15 no.6:281-292 Je '63.

1. Institutul de matematica al Academiei R.P.R.

IVANESCU, P.; ROSENBERG, Ivo; RUDEANU, S.

On the minima determination of the pseudo-Boolean functions.
Studii cerc mat 14 no.3:359-364 '63.

1. Institutul de matematica al Academiei R.P.R. (for Ivanescu, Rudeanu). 2. Asistent la Institutul politehnic din Brno, R.S. Cehoslovaca (for Rosenberg).

IVANESCU, P.; RUDEANU, S.

On the solution of the transportation problem by the Egervary method.
Pt. 2. Studii cerc mat 14 no.1:59-67 '63.

BELOUSETS, B.M.; RUDELEV, S.S.

Improving sanitary conditions for foundry workers. Mashinos-
troitel' no.10:16-19 '60. (MIRA 13:10)
(Founding--Hygienic aspects)

AUTHORS: Sedov, M.P., and Rudelev, S.S. SOV/19-58-6-655/685

TITLE: A Feeder for Feeding Dry Loose Material From a Bunker Onto a Belt Conveyer (Pitatel' dlya podachi sypuchego materiala iz bunkera na lentu transport-
era)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 145 (USSR)

ABSTRACT: Class 81e, 11. Nr 113785 (583727 of 27 Sep 1957). Submitted to the Committee for Inventions and Discoveries at the Ministers Council of USSR. A feeder in the form of a chute suspended under the bunker and kept rocking by a crank mechanism with connecting rods mounted on the crankshaft of the driving roller pressed against the idle branch of the belt. This roller is mounted between two idle rollers pressing on the band from the other side of the idle branch of the band to increase the contact area between the drive roller and the band. The feed of material from the bunker can be controlled by changing the incline angle of the chute.

Card 1/1

L 25961-66 EMI(d)/ENP(h)/ENP(1)

ACC NR: AN6011775 (A,N) SOURCE CODE: UR/9023/66/000/031/0003/0003

AUTHOR: Rudel'son, V. (Chief designer)

24
B

ORG: Institute of Mechanization of Agriculture, Minsk
(Institut mekhanizatsii sel'skogo khozyaystva)

TITLE: Be acquainted with a "Kristall-R5" car

14

SOURCE: Sovetskiy patriot, 17 Apr 66, p. 3, col. 5-8

TOPIC TAGS: motor vehicle, light motor vehicle, synthetic material, tractor, tracked vehicle, vehicle engine, performance test, Evrika tractor, Kristall-R5 light motor vehicle

ABSTRACT: The use of plastic materials for construction of the bodies of various motor vehicles was investigated by the above-mentioned Institute. Various existing models were examined, economical and technical factors were taken into consideration, and appropriate body styles were studied from the standpoint of structural strength and exterior appearance. The first experimental body made of plastics was designed and built for caterpillar tractor "Evrika" in 1965. Then a light car "Kristall-R5" of low cylinder displacement

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Card 1/2

L 25961-66

ACC NR: AN6011775

was manufactured in a size (4000 mm long, 1500 mm wide) permitted for construction of vehicles by amateurs. The car was driven by a 36-hp engine of a motorcycle type. The road tests (5000 km) gave satisfactory results. Structural features of the car body were described and a picture of the "Kristall-R5" car was presented. Orig. art. has: one figure.

SUB CODE: 13// SUBM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 2/2 FW

GORIN, D.I., kand.tekhn.nauk; VLASOV, P.S., kand.tekhn.nauk; RUDEL'SON, V.G.,
inzh.; PRESNOV, G.B., inzh.; CHAYKOVSKIY, A.A., inzh.

Pneumatic caterpillar treads. Trakt. i sel'khoz mash. 33 no.12:14-
16 D '63. (MIRA 17:2)

1. Belorusskiy institut mekhanizatsii sel'skogo khozyaystva.

RUMEL'SON, V.G.

Pneumatic caterpillars in the foreign patent literature. Kaucb.
1 rez. 23 no. 3:41-44 Mr '64. (MIRA 17:5)

1. Belorusskiy institut mekhanizatsii sel'skogo khozyaystva,
Minsk.

ZMB-CBDL-643-10

R-047-PL64

RUDEN

Report on cross-wing guided missile---Kurzbericht Leber Die Kurzfluegleruntersuchungen
Bei Der Dfs---by Ruden No Place Oct. 1941 Germ Secr 6P.

Wind Tunnel tests with a cross-wing model of a guided missile. Results of the tests
showed that the cross-wing model is inferior to the usual type of guided missile.

SOURCES: AIR, AMC, DESK OF CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS,
March 1948, P. 672, Unclassified.

ZMB-BFS-13-10

RUDEN

R3959-F16

Wind-tunnel measurements on model of droppable cargo container using rockets as brakes---
Windkanalmessungen AM modell Des Tieflasten-Abwurfbehalters xxx---by Ruden Darmstadt-
Flughafen Deutsche Forschungsanstalt Fuer Segelflug E. V. -Ernst Udet Dec 1943 Germ
Unclass 27P Incl Photos Diags Graphs

Three and six-component tests as well as velocity distribution tests were carried out on
the ILs 1000-3 droppable cargo container. The model proved that the behavior of the
container is perfectly stable due to the rockets installed in the nose of the container
which is used as a brake.

SOURCES: AIR, AMC, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS,
March 1944, P. 67h, Unclassified.

ZWB-DFS-800-11

R8047-F785

RUDEN, PAUL

Pressure distribution computations for an intake diffuser by Paul Ruden Flughafen-
ainring seutsche forschungsanstalt fuer segelflug. Nov. 1941. Germ. Unclass. 8p.
incl. diags and graphs.

An analysis of the results of pressure distribution measurements made on an intake
diffuser with and without internal chamber. The design was made for BMW.

SO: AIR, AMC, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS,
March 1948, p. 664, Unclassified.

RUDE NCHIK, A.A.
MAKAROV, V.G.; RUDENCHIK, A.A.

Enlarged work teams for track sections. Put' i put. khoz. no.7:
18-19 J1 '57. (MIRA 10:8)

1. Nachal'nik Vspol'inskoy distantzii, stantsiya Vspol'ye (for Makarov).
 2. Zamestitel' nachal'nika Vspol'inskoy distantzii, st. Vspol'ye (for Rudenichik).
- (Railroads--Management)

WOLFF, A.

"Something new in tunnel building. Tr. from the German." p. 48, (ZELEZNICE, Vol. 9, no. 2, Feb. 1953, Zagrad.)

CC: Monthly List of East European Accessions, Vol. 2, #1, Library of Congress
August, 1953, Encl.

RUDEMBERG, Reinhold; LOMONOSOV, V.Yu., redaktor; MAYKOVA, Ye.I., redaktor;
BELEVA, M.A., tekhnicheskii redaktor

[Transient performance of electric power systems. Translated from
the first American edition] Perakhodnye protsessy v elektroener-
geticheskikh sistemakh. Perovod s pervogo amerikanskogo izdaniia.
Pod red. V.IU.Lomonosova. Moskva, Izd-vo inostrannoi lit-ry, 1955.
714 p. (MLRA 8:7)

(Transients (Electricity))
(Electric currents)

663.2
.R9

Perekhodnyye Protssesy V Elektro-Energeticheskikh Sistemakh (Transient Performance of Electric Power Systems) Perevods Nervogo Amerikanskogo Izd. Pod Red. V. Yu. Lomonosova. Moskva, Izd-vo Inostrannoy Lit., 1955.

714 P.

"Literatura": P. 704-(706)

RUDENCHIK, A.

A valuable device. Okhr.truda i sots.strakh. no.3:77-78
Mr '59. (MIRA 12:4)

1. Yaroslavskaia distantsiia puti Severnoy zheleznoy dorogi,
g. Yaroslavl'.
(Loading and unloading)

ENDRACHIK, I. I.

Frogs with mobile tongues. Put' i put. knoz. 9 no. 7:09 '65.
(MIRA 18/10)

i. Zamestitel' nachalnika distantsii puti, stantsiya Yaroslavl'-
Glavnyy, Severnyy dorogi.

RUDENCHIK, A.A. (g. Yaroslavl')

Much depends upon organization of the work. Put' i put, khoz.
no.2:8-9 F '59. (MIRA 12:3)

1.Zamestitel' nachal'nika distantsii, stantsiya Yaroslavl'-Glavnyy.
(Railroads--Snow protection and removal)

RUDENCHIK, A.A.

Bolts without bushings. Put' i put.khoz. no.1:39 Ja '59.
(MIRA 12:2)

1. Zamestitel' nachal'nika distantsii, stantsiya Yaroslavl'-
Glavnoy Severnoy dorogi.
(Bolts and nuts)

SOLDATKIN, I.S.; NOVOKRISHCHENOVA, N.S.; RUDENCHIK, Yu.V.; OSTROVSKIY, I.B.;
LEVOSHINA, A.I.

Study of the feeding activity of fleas of the greater gerbil under
natural conditions by the use of radioactive indicators. Zool.
zhur. 40 no.11:1647-1650 N '61. (MIRA 14:11)

1. All-Union Research Institute "Mikrob", Saratov and Anti-Plague
Station of Nukus.

(Fleas) (Insects--Food)

RODENCHIK, Yu.V.

Application of radioactive tracers for the study of intrapopu-
lational conditions as an epigenetic factor in the
colony of greater gerbils (*Meriones libanus*). Biol. zhur. 42
no.12:1849-1856 '81 (M. PA. 1987)

1. Anti-Flaga Station of the town of Nukus.

RUDENCHIK, Yu.V.

Ecologic characteristics of the decrease in the abundance of
greater gerbil in the northwestern Kyzylkum. Uzb. biol. zhur.
8 no.2:51-56 '64. (MIRA 17:9)

1. Nukusskaya protivochumnaya stantsiya.

ACC NR: AP7001090 (A,N) SOURCE CODE: UR/0439/66/0045/004/0481/0486

AUTHOR: Soldatkin, I. S.; Rudenchik, Yu. V.; Ostrovskiy, I. B.; Levoshina, A. I.

ORG: All-Union "Microbe" Antiplague Scientific Research Institute, Saratov (Vsesoyuznyy nauchno-issledovatel'skiy protivochumnyy institut "Mikrob"); Nukus Antiplague Station (Nukusskaya protivochumnaya stantsiya)

TITLE: Quantitative characteristics of the development of plague epizootic in *Rhombomys optimus* colonies

SOURCE: Zoologicheskii zhurnal, v. 45, no. 4, 1966, 481-486

TOPIC TAGS: ~~human ailment, epizootic~~, plague, disease vector, ~~gerbil~~, flea, ANIMAL PARASITE, EPIZOOTIOLOGY, INFECTIVE DISEASE, ANIMAL DISEASE, RODENT

ABSTRACT: The process of the infection of fleas infesting diseased gerbils (*Rhombomys optimus*) was studied using radioactivity labeled materials to simulate disease agents in a model experiment. Results were compared with those obtained with plague-infected gerbils. The number of fleas feeding on one gerbil were recorded, as well as the distribution of these fleas after five or six days. Calculations based

Card 1/2

UDC: 599.323.4 Rhombomys: 616.981.452

ACC NR: AP7001090

on experimental data showed that the mean number of gerbils that can be infected by one sick animal is 0.3—0.6 in summer and winter and 1.7—2.5 in spring and fall. Orig. art. has: 4 tables.

[WA-50; CBE No. 14]
[LP]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 007

Card 2/2

RUDECHIK. Yu. V.

Determining the age of meridian, crested and red-tailed gerbils
(genus *Mediones*) by the degree of wearing of their molar teeth.
Uzb. biol. zhur. 6 No. 4: 58-62, 1962. (MIRA 16:7)

1. Ministerstvo zdavookhraneniya Karakalpakskoy ASSR.
(GERBILS) (TEETH) (AGE)

KORNEYEV, A.P.; RUDENCHIK, Yu.V.

New species of jerboa in the Uzbek S.S.R. Izv. AN Uz. SSR
3:100-101 '56. (MIRA 12:6)
(Uzbekistan--Jerboas)

DYATLOV, A. I.; RUDENCHIK, Yu.V.

Distribution of some mammals in regions of Kyzyl-Kum and Ust'-Urt
included in the Kara-Kalpak A.S.S.R. Trudy Inst.zool.AN Kazakh
SSR 10:241-253 '59. (MIRA 12:7)
(Kyzyl-Kum--Zoogeography) (Ust'-Urt--Zoogeography)

SOLDATKIN, I.S.; NOVOKRESHCHENOVA, N.S.; RUDENCHIK, Yu.V.;
OSTROVSKIY, I.B.; LEVOSHINA, A.I.

Use of radioactive carbon in studying the intensity of the exchange
of fleas between *Rhombomys optimus* and *Meriones meridianus*.
Dokl. AN SSSR 146 no.6:1462-1463 0 '62. (MIRA 15:10)

1. Predstavleno akademikom Ye.N. Pavlovskim.
(Parasites—Gerbils) (Fleas) (Radioactive tracers)

RUDENKO, A., ekonomist

Work indices of designing offices. Plan. khoz. 41 no.1:
77-79 Ja'64. (MIRA 17:2)

RUDENKO, A.A.

Coincidence circuits with minor resolving time. Prib. i tekhn. eksp.
no.6:60-62 N-D '58. (MIRA 12:1)

1. Fizicheskiy institut AN SSSR.
(Electronic circuits)

SOV/120-58-6-10/32

AUTHOR: Rudenko, A. A.

TITLE: A Coincidence Scheme with Low Resolving Power (Skhema sovpadeniy s malym razreshayushchim vremenem)

PERIODICAL: Pribory i tekhnika eksperimenta, 1958, Nr 6, pp 60-62 (USSR)

ABSTRACT: A millimicro second coincidence circuit is described and the basic circuit is shown in Fig.1. It consists of 2 crystal diodes approximately identical, each shunted by a capacitor having the same capacitance. The two diodes are connected in parallel and have a low forward resistance. They are followed by a third diode with a large backward resistance. The equivalent circuit for the case of coincidence at the two inputs is shown in Fig.3. Fig.5 shows the calibration of the coincidence circuit, using a delayed pulse in one of the channels. As can be seen, the resolving time is of the order of 4×10^{-10} sec. There are 6 figures, and no references.

ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute of the Academy of Sciences, USSR)

SUBMITTED: October 31, 1957.

Card 1/1

RUDEKNO, A.

Money is burnt in turbines. Grazhd. av. 20 no.1:18-19 Ja '63.
(MIRA 16:4)

1. Dezhurnyy pomoshchnik nachal'nika Khabarovskogo aeroporta.

(Aeronautics, Commercial—Management)

SKRYABIN, K., akademik, Geroy Sotsialisticheskogo Truda, laureat Leninskoy premii; SAMSONOV, B.; PUSHKINA, Ye., vrach (selo Iarga, Moldavskaya SSR); KCHACHATURYAN, A., kompozitor, narodnyy artist SSSR, laureat Leninskoy premii; RUDENKO, A., gornyy master; TERESHENKOV, Ye.; ABDRAZAKOV, T., kand. ekon. nauk

Our interviews. Sov. profsoiuzy 18 no.13:7-9 JI '62. (MIRA 15:6)

1. Model'shchik Lyuberetskogo zavoda sel'skokhozyaystvennykh mashin (for Samsonov).
 2. Shakhta No.5 tresta "Vorkutaugol" (for Rudenko).
 3. Zaveduyushchiy kafedry politekonomii Karagandinskogo pedagogicheskogo instituta (for Abdrazakov).
- (Disarmament) (Peace)

GLAZANOV, V.N.; RUDENKO, A.D.

Electrostatic separation of minerals. Izv. vys. ucheb. zav.; tsvet.
mat. no.4:33-38 '60. (MIRA 13:9)

1. Moskovskiy inzhenerno-fizicheskiy institut.
(Ore dressing) (Metals--Electric properties)

DEMIRKHANOV, R.A.; GUTKIN, T.I.; DOROKHOV, V.V.; RUDENKO, A.D.

Isotopic masses of H, D, He⁴ and C¹². Atom.energ. no.2:21-27 '56.
(MIRA 12:2)

(Hydrogen--Isotopes) (Helium--Isotopes) (Carbon--Isotopes)

RUDENKO, A.D.

USSR/Nuclear 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, He⁴ and C¹²

Orig Pub : Atom. energiya, 1956, No 2, 21-27

Abstract : A new exact measurement of the masses of the atoms H, D, He⁴ and C¹² has been made. The measurements were carried 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 contraction of the discharge. Recording of the mass spectrum is photographic; "Schumann" plates are used. There

Card 1/3

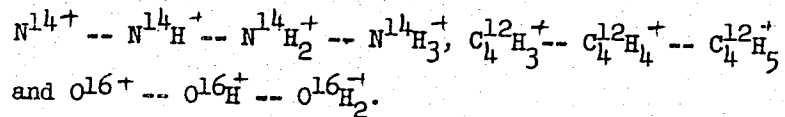
USSR/Nuclear Physics - Structure and Properties of Nuclei.

C-4

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 ...



The masses of the atoms H, D, He⁴ and C¹² were found from photographs of the doublets H₂ -- D, D₂ -- H⁴, D₃ -- 1/2

$C^{12}H_4 \text{ -- } O^{16}$. The results are:

Card 2/3

USSR/Nuclear Physics - Structure and Properties of Nuclei.

C-4

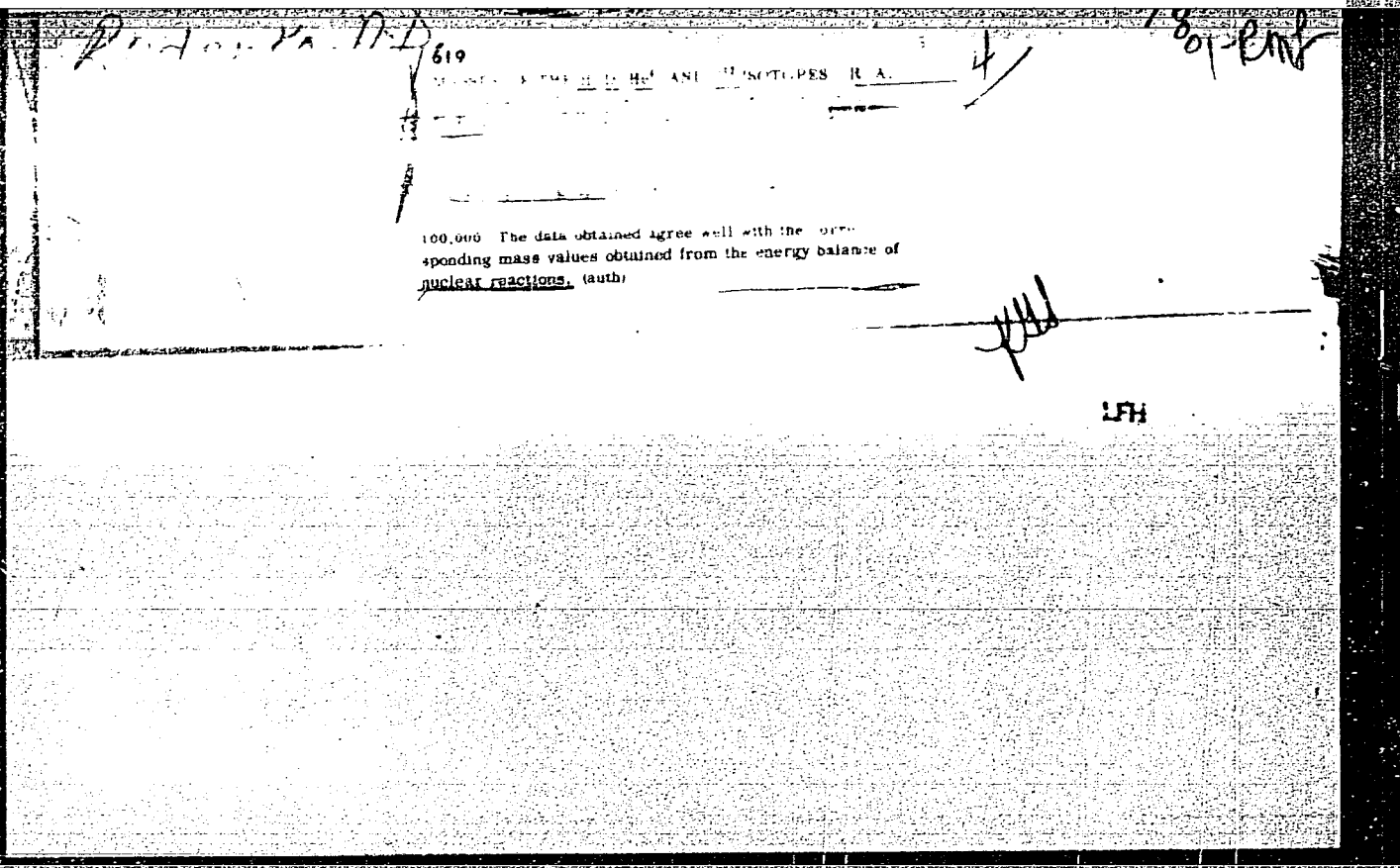
Abs Jour : Ref Zhur - Fizika, No 4, 1957, 8706

H -- 1.008142 ± 10^{-6} , He₄ -- $4.003872 \pm 4 \times 10^{-6}$,

D -- $2.014736 \pm 2 \times 10^{-6}$, and c¹² -- $12.003820 \pm 5 \times 10^{-6}$.

The data obtained are in agreement with the values determined from the energy balance of the nuclear reactions.

Card 3/3



Rudenko, A.

107-57-6-54/57

AUTHOR: Rudenko, A. (Kiyev)

TITLE: Elimination of Clicks from Variable Resistors
(Ustraneniye treskov v peremennykh soprotivleniyakh)

PERIODICAL: Radio, 1957, Nr 6, p 63 (USSR)

ABSTRACT: Clicks often occur because of an imperfect contact between the wire runner and the carbon film in variable resistors. It is recommended to substitute a graphite-tipped brass blade for the wire runner. One figure shows details of the alteration.

AVAILABLE: Library of Congress

Card 1/1

31100

S/120/62/000/002/012/047
E039/E520

9.2560

AUTHOR: Rudenko, A.A.

TITLE: An anticoincidence circuit with nanosecond resolving times

PERIODICAL: Pribory i tekhnika eksperimenta, no.2, 1962, 59-60

TEXT: The circuit described is free from many of the defects occurring in earlier circuits and makes use of semiconductor diodes as shown in Fig.1. Positive impulses entering input 1 charge the condenser C_1 through diode D_1 of input 2. The time constant τ_{zap} for charging C_1 is small compared with the length of the pulse $t_{\mu} \cdot t_{\mu} > \tau_{zap}$. After the end of every pulse on input 1 the condenser C_1 is discharged through inverse resistance diode D_1 and direct resistance diode D_2 . The time constant for charging must be less than for discharging. A triple coincidence circuit with one anticoincidence channel is also given. The efficiency of rejection of coincidence pulses is 100% and even with decreased amplitude 50% rejection is obtained. The sensitivity of all channels is better than 0.3 volt. For operation with negative impulses the circuit is modified by
Card 1/2

4

An anticoincidence circuit ...

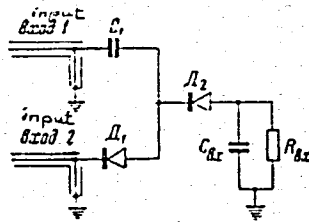
S/120/62/000/002/012/047
EO39/E520

changing the polarity of the diodes. Single impulses of opposite polarity can give a false count. There are 2 figures.

ASSOCIATION: Fizicheskiy institut AN SSSR
(Physics Institute AS USSR)

SUBMITTED: July 1, 1961

Fig.1



Card 2/2

L 13816-65 EWT(m)/EWP(t)/EWP(b) LJP(c)/ASD(a)-5/ESD(c)/ESD(gs) JD

ACCESSION NR: AP4043864

S/0139/64/000/004/0022/0026

AUTHOR: Novikov, N. N.; Gorid'ko, N. Ya.; Rudenko, A. G.

TITLE: Photomechanical effect in cadmium sulfide

SOURCE: IVUZ. Fizika, no. 4, 1964, 22-26

TOPIC TAGS: cadmium sulfide, microhardness, temperature dependence, frequency dependence, carrier density

ABSTRACT: Changes in plastic properties of cadmium sulfide (such as microhardness under the influence of illumination were investigated to check whether this photomechanical effect, heretofore observed in materials having an absorption band in the same spectral region (germanium, antimony, titanium) is indeed due to the excitation of the carrier, for it might also be caused by infrared heating of a thin surface layer. The test equipment and procedures are described. The tests show that the surface microhardness decreases

Card 1/3

L 13816-65

ACCESSION NR: AP4043864

by approximately 40% when the surface receives an integral illumination on the order of 40,000 lux. This confirms the presence of the photomechanical effect in CdS. Tests of the frequency dependence of the effect have shown it to occur only in the region of intrinsic absorption. Orig. art. has: 3 figures.

ASSOCIATION: Kiyevskiy gosuniversitet imeni T. G. Shevchenko (Kiev State University)

SUBMITTED: 03Jan63

ENCL: 01

SUB CODE: SS, OP

NO REF SOV: 011

OTHER: 002

Card 2/3

L 13816-65
ACCESSION NR: AP4043864

ENCLOSURE: 01

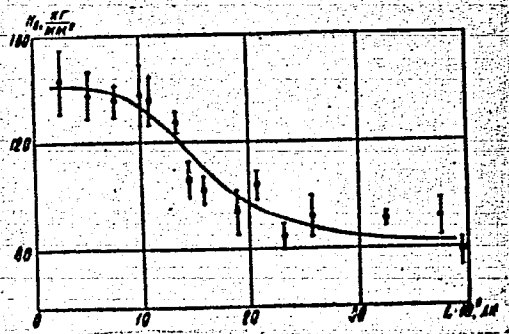


Fig. 1. The dependence of photomechanical effect on the illumination.

Card 3/3

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

Abs Jour : Trudy Zool - Biol., No 19, 1973, 44086

Author : Bukharin, A.I.

Inst : "

Title : Potatoes.

Orig Pub : Glavn. sb., 1957, 9, 66-73.

Abstract : On the basis of the 19-year data of the State Commission on Variety testing of potatoes and analysis was made covering the data on the growing in of different places of potato development. In addition, phenological maps with the isophases(?) of planting, the emergence of sprouts, flowering and dying off of leaves were compiled covering the territory of the European part of USSR. It was established that the signs of degeneration begin to appear (in early maturing varieties) to the south of isotherm +13° during the period of tuber formation. In regions

Card 1/3

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

ii.

Trs Jour : Trs Jour - Biol., No 10, 1950, 44086

as well as part of the Belorussian SSR. As one moves in the south-easterly direction this probability becomes smaller and in the southern regions this can take place during spring planting only in very rainy years. -- G.H. Chernov.

Card 3/3

- 47 -

DEMOLOVSKIY, V.V., kandydat ekonom. nauk; RUDENKO, A.I., gornyy inzh.

Influence of the rate of completed workings on the economic efficiency of a mining system. Ger. zhur. no. 8:7-9 Ag '65.

(MIRA 18:10)

1. Krivorozhskiy gornorudnyy institut.

3.9-43

551.506.8:581.543(47)(09)

Rudenko, A.I. *Stoitaniie, znachenie i zadachi sovetakoi fenologii.* (The status, significance and tasks of Soviet Phenology.) *Vsesoiuznoe Geograficheskoe Obshchestvo, Izvestiia*, 83(2): 141-151, March-April 1951. *DLC*-The history of phenological observations in Russia from the time of Peter the Great up until the present is surveyed. The author proposes the extension and systematization of phenological observations and their integration with agriculture, with fishing and hunting industries. Subject headings: 1. History of Phenology 2. Bioclimatology 3. U.S.S.R.--I.L.B.

Meteorological Abst.
Vol. 4 No. 4
April 1953
Part 1
Meteorological
Observations and
Instruments

4.4-44 ✓ 551.506.8:551.501.1(47)
Rudenko, A. L. Metodicheskie ukazaniia i programma osnovnykh fenologicheskikh
nabliudenii. [Methodological instructions and the program of fundamental phenological
observations.] *Vsesoiuznoe Geograficheskoe Obshchestvo, SSSR, Izvestiia*, 83(4):395-411,
July-Aug. 1951. tables. DWB—This is a comprehensive outline of the procedure and
objects of phenological observations carried out in the U.S.S.R. The author discusses the
selection of sites for phenological observations and of objects of observation, the time for
making phenological observations, criteria for assessing the stage of harvest, the intensity of
flowering and the formation of ovaries. The various phases of development in trees, shrubs,
grasses and crops are described. Phenological observations on birds are considered. The
relevant hydrometeorological observations are discussed. The plants and animals (birds,
fishes, insects, etc.) upon which observations are to be made are listed and a sample pheno-
logical form is given. *Subject Headings: 1. Phenology 2. Observation techniques 3. U.S.S.R.*
—I.L.O.

EH
C-11-54

MAKSIMOV, S.A.; HUDENKO, A.I., redaktor.

[P.I. Brounov, founder of agricultural meteorology; for the 100th anniversary of his birthday] P.I. Brounov, osnovopolozhnik sel'skokhoziaistvennoi meteorologii. K stoletiiu so dnia rozhdeniia. 2. ispr. i dop. izd. Leningrad, Gidrometeorologicheskoe izd-vo, 1952. 53 p. (MLRA 6:5)
(Brounov, Petr Ivanovich, 1852-1927) (Meteorology, Agricultural)

KUDENKO, A.I.

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.; SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV, N.N.; GAL'TSOV, A.P.; GRIGOR'YEV, A.A., akademik; EYGENSON, M.S., professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDANOV, P.N.; LEBEDEV, A.N.; SOKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMANOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGEYM, G.Ya.; SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.S.; ISAYEV, E.A.; DMITRIYEV, A.A.; MALYUGIN, Ye.A.; LIEDEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPOVA, L.R.; POKROVSKAYA, T.V.; BAGDASARYAN, A.B.; ORLOVA, V.V.; RUBINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHERBAKOVA, Ye.Ya.; BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.; RUDNEVA, A.V.; KUDENKO, A.I.; ZOLOTAREV, M.A.; NERSESIAN, A.G.; MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEVIATKOVA, A.M.; ZAVARINA, M.V.; SHMETER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor.GUGMS no.3/4:26-154 '54. (MLRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya geofizicheskaya observatoriya im. A.I.Voeykova (for Predtechenskiy, Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubinshteyn, Budyko, Shcherbakova, Anapol'skaya, Dunayeva, Rudneva, Gavrilov, Zavarina). 3. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Buchinskiy).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no. 3/4:26-154 '54. (Card 2) (MIRA 8:3)

4. Vsesoyuznyy institut rasteniyevodstva (for Selyaninov, Rudenko).
5. Bioklimaticheskaya stantsiya Kislevodsk (for Boshno).
6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Alisov).
7. Ministerstvo putey soobshcheniya SSSR (for Biryukov).
8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev).
9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Eygensoa).
10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov).
11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov).
12. Tsentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskii arkhiv (for Sokolov, Zolotarev).
13. Gosudarstvennyy okeanograficheskii institut (for Samoylenko).
14. Tsentral'nyy institut prognozov (for Usmanov, Sapozhnikova).
15. Institut geografii Akademii nauk SSSR i Tsentral'nyy institut kurortologii (for Chubukov).
16. Nauchno-issledovatel'skiy institut imeni Sechenova, Yalta (for Trotsenko).
17. Arkticheskii nauchno-issledovatel'skiy institut (for Vangengayn).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state of climatological research and methods of developing it].
Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 3) (MIRA 8:3)

18. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Sokolov).
 19. Institut geologii i geografii Akademii nauk Litovskoy SSR (for Styro).
 20. Rostovskoe upravlenie gidrometsluzhby (for Temnikova).
 21. Morskoy gidrofizicheskiy Institut Akademii nauk SSSR (for Dmitriyev).
 22. Vsesoyuznyy institut rasteniyevodstva (for Malyugin).
 23. Akademiya nauk Estonskoy SSR (for Liedemaa).
 24. Akademiya nauk Armyanskoy SSR (for Bagdasaryan).
 25. Leningradskiy gidrometeorologicheskiy institut (for Milevskiy).
- (Continued on next card)

FEDOROV, Ya.Ye., professor; PREDTECHENSKIY, P.P., and others.

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PHASE I BOOK EXPLOITATION 1123

Leningrad. Vsesoyuznyy institut rasteniyevodstva. Otdel agrometeorologii

Zasukhi v SSSR, ikh proiskhozhdeniye, povtoryayemost' i vliyaniye na urozhay
(Droughts in the USSR, Their Origin, Frequency, and Effect on Crops) Leningrad,
Gidrometeoizdat, 1958. 206 p. 3,500 copies printed.

Ed. (Title page): Rudenko, A.I., Candidate of Agricultural Sciences; Ed. (Inside
book): Ushakova, T.V.; Tech. Ed.: Flaum, M.Ya.

PURPOSE: This book is intended for agrometeorologists of the hydrometeoro-
logical service, agronomists on collective and state farms and machine-tractor
stations, specialists working in agricultural scientific research institutions,
as well as students and teachers in agricultural and hydrometeorological
tekhnikums and vuzes.

COVERAGE: This book, a collection of articles by members of the Agrometeoro-
logical Division of the All-Union Plant Cultivation Institute, presents con-
temporary thought on various aspects of drought phenomena. Drought origin
and causes, types, frequency of occurrence, periodicity, and effect on various

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agricultural crops are discussed. A geographical distribution of drought stricken areas of the USSR is also given. The text is accompanied by maps, diagrams, tables, and bibliographic references.

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VENTSKEVICH, Georgiy Zenonovich; ~~RUDENKO, A.I.~~, otv.red.; PISAREVSKAYA, V.D.,
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[Agricultural meteorology] Agrometeorologiya. Leningrad, Gidro-
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AUTHOR: Davitaya, F.F. SOV/10-58-5-21/28

TITLE: The Investigation of Droughts and Dry Winds (Issledovaniye zasukh i sukhoveyev)

PERIODICAL: Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958, Nr 5, pp 131-136 (USSR)

ABSTRACT: This is a review of two collective volumes: 1) "Dry Winds, Their Origin and Their Prevention", published by the AS, USSR in 1957, and 2) "Droughts in the USSR, Their Origin, Recurrence and Effect on the Crop", editor A.I. Rudenko, Gidrometeoizdat.

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