"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERN, I.

"The mechanism of the glycogenolysis (translation)." (p. 1) by Parnas, J. K. and Ostern, I.

SO: Advances in Contemporary Biology (Uspekhi Sovremennoi Biologii) Vol. VI, No. 1 19[illegible]

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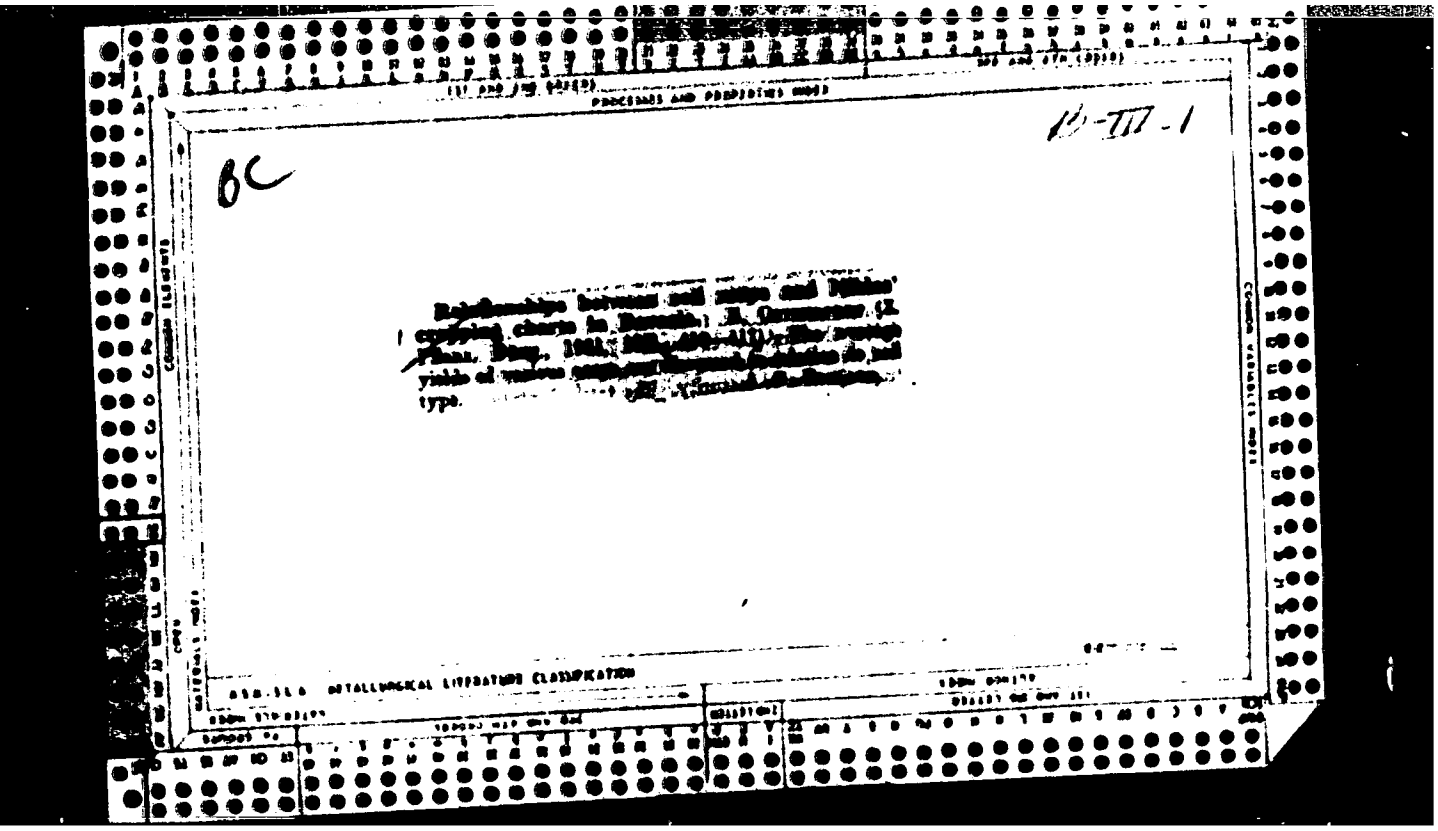

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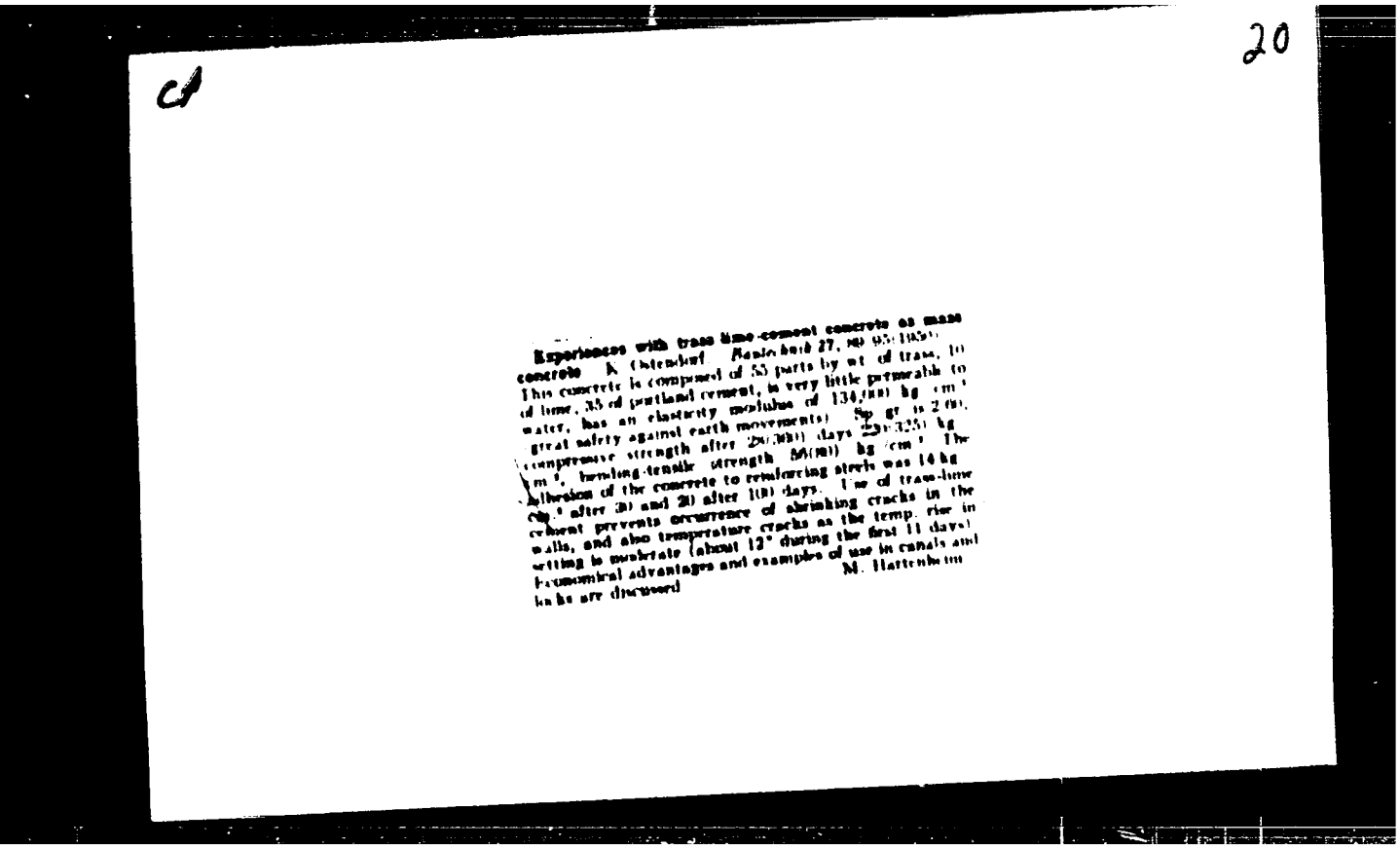

20

Experiences with trass lime-cement concrete as mass concrete. K. Ostendorf. *Bautechnik* 27, 89-95(1950). This concrete is composed of 55 parts by wt. of trass, 10 of lime, 35 of portland cement, is very little permeable to water, has an elasticity modulus of 134,000 kg./cm.² (great safety against earth movements). Sp. gr. is 2.00, compressive strength after 28(300) days 220(325) kg./cm.², bending-tensile strength 56(80) kg./cm.². The adhesion of the concrete to reinforcing steels was 14 kg./cm.² after 30 and 20 after 100 days. Use of trass-lime cement prevents occurrence of shrinking cracks in the walls, and also temperature cracks as the temp. rise in setting is moderate (about 12° during the first 11 days). Economical advantages and examples of use in canals and locks are discussed. M. Hartenheim

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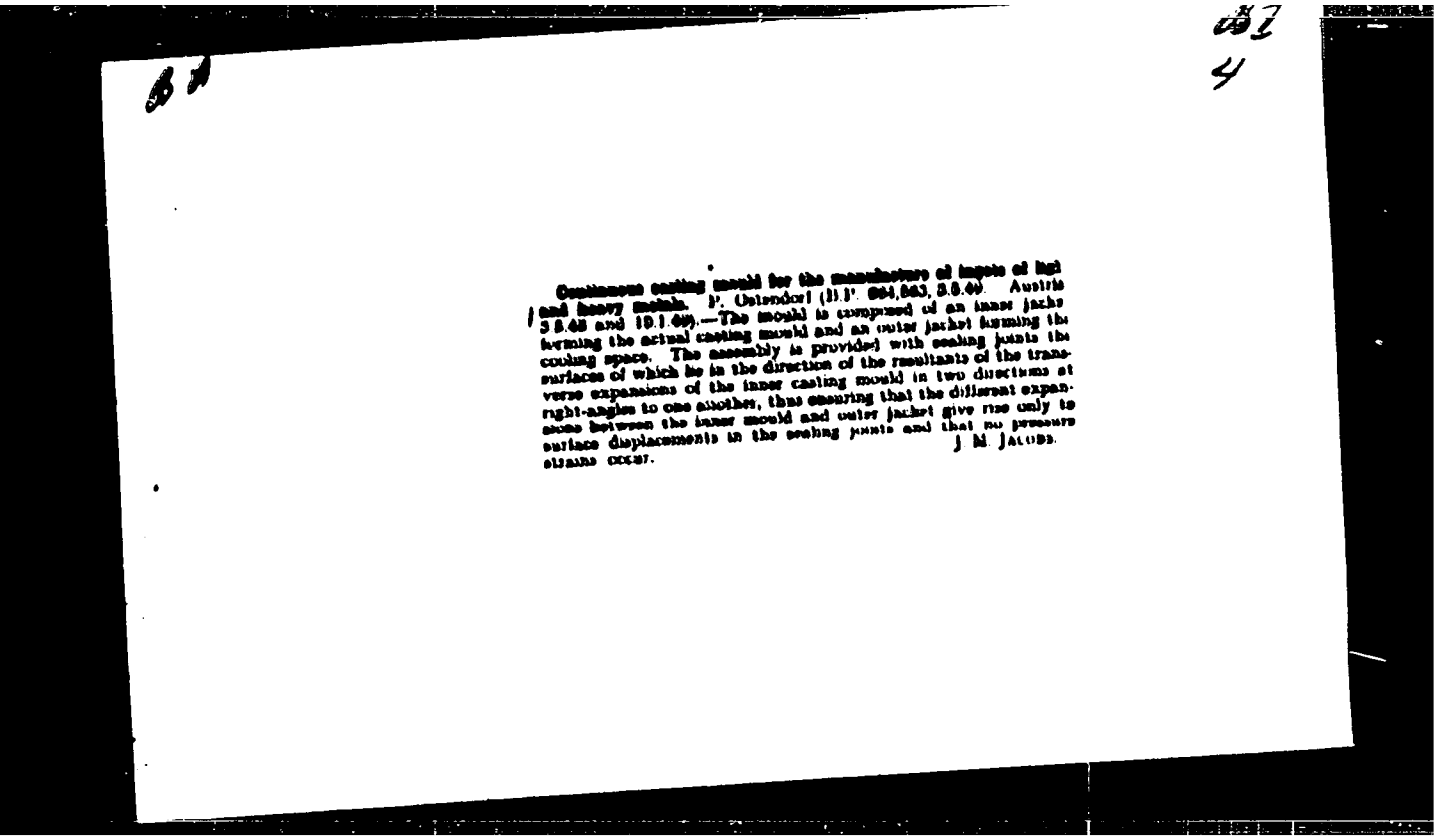

Continuous casting mould for the manufacture of ingots of light and heavy metals. P. Ostendorf (B.P. 664,563, 3.5.49. Austria 3.5.48 and 10.1.49).—The mould is composed of an inner jacket forming the actual casting mould and an outer jacket forming the cooling space. The assembly is provided with sealing joints the surfaces of which lie in the direction of the resultants of the transverse expansions of the inner casting mould in two directions at right-angles to one another, thus ensuring that the different expansions between the inner mould and outer jacket give rise only to surface displacements in the sealing joints and that no pressure strains occur.

J. M. JACOBS.

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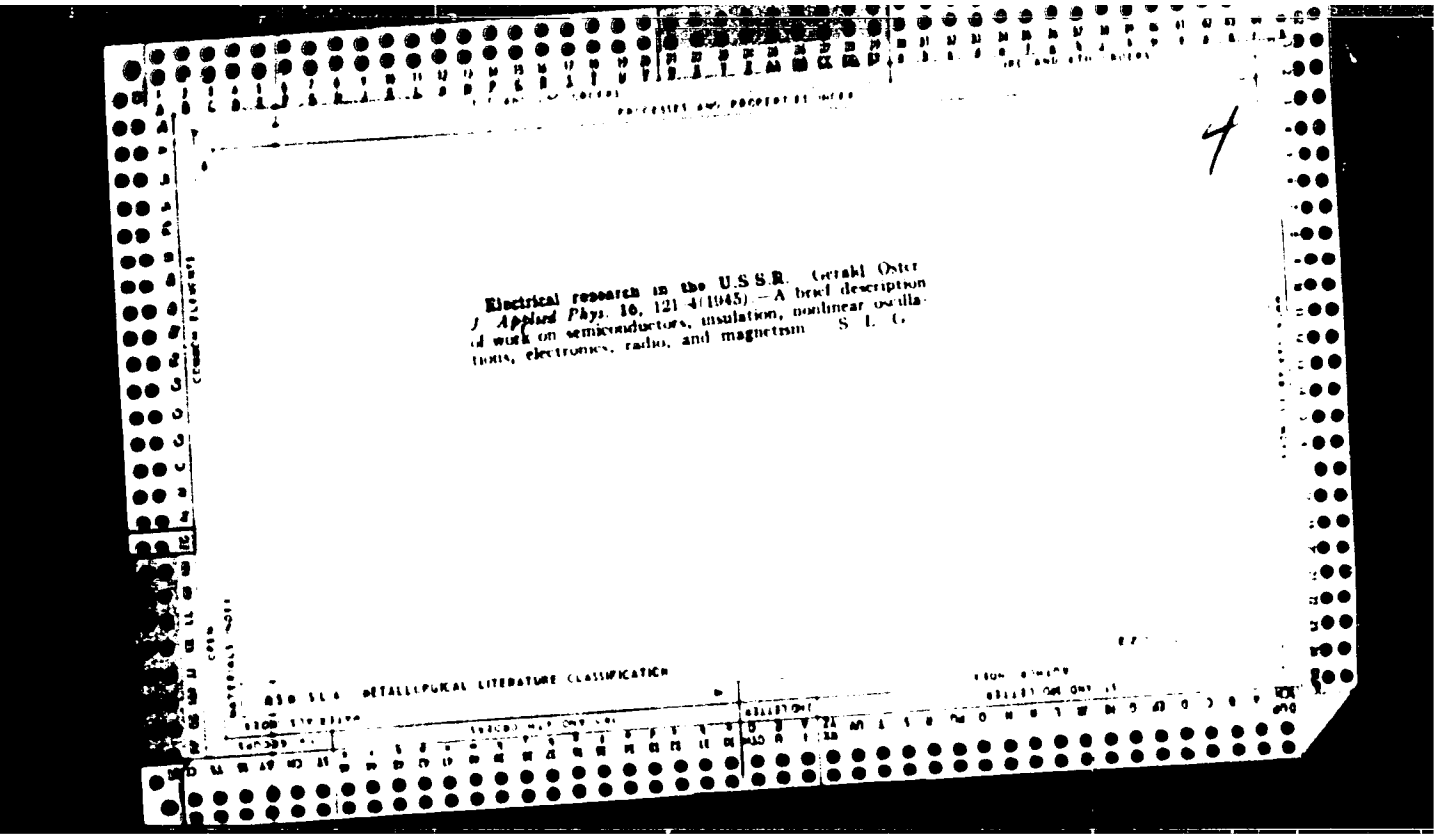

Electrical research in the U.S.S.R. Gerald Oster
J. Applied Phys. 16, 121-41(1945).—A brief description
of work on semiconductors, insulation, nonlinear oscilla-
tions, electronics, radio, and magnetism. S. L. G.

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

A.P.S.

W Literature

Electrical research in the U.S.S.R. GERALD OSTER. *Jour. Applied Phys.*, 19 [3] 121-24 (1945). Soviet industry is backed by a great amount of scientific research. Important contributions to electrical research have been made by Soviet scientists. Because the U.S.S.R. is to become a great foreign market for electrical goods, Americans should be familiar with the work and the industrial setup. O reviews contributions in (1) semiconductors and insulators, including new developments in aluminum oxide glazes, impregnation of glass cloth with cable oils, and dielectric properties of glasses; (2) nonlinear oscillations; (3) electronics and radio; and (4) magnetism. A.P.

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CA

Simple qualitative test for alkoxy groups. K. Kratzl and K. Osterberger (Univ. Vienna). *Monatsh.* 81, 9[illegible] (1950). —MeO- and EtO-groups are detected and identified in 0.2 to 0.3 g. samples of the following compds. $Br_2CHCH(OEt)_2$, $PhCH(OEt)_2$, $AcNHC_6H_4OEt$, p-$C_6H_4(OCH_3)_2$, and lignin-HCl, by reaction with HI and transformation of the MeI or EtI formed with $CS(NH_2)_2$ and picric acid into cryst. thiouronium picrates (60–70% yield). The Me deriv. m. 224°, the Et deriv. m. 188°. Me_2CHOH and C_6H_5O-groups can also be detected by this method, yielding thiouronium picrates m. 198° and 177°, resp. P. B.

1961

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

Brain-Stem, Diencephalon, Vol 18, No 4, 1962

2. "Early Diagnosis of Multiple Sclerosis, III. Motor and Other Symptoms," Wojciech [illegible] of the Psychoneurological Institute (Psychoneurological Institute) and the Neurological Branch (Medical Neurology Institute) at Poznan (Director: Prof. Z. [illegible]), ND), pp 175-178 (English summary).

3. "Lesion of Antibodies in Neural Destruction," B. [illegible], C. [illegible], B. [illegible], and A. [illegible] of the Third Clinic for Internal Diseases (III Klinika Chorob Wewnetrznych) at Lodz University (Director: Prof. Dr. K. [illegible]) and of the Bacteriology Research Office (Zaklad Mikrobiologii Naukowej) at Medical Academy (Slaska AM (Akademia Medyczna) in Zabrze-Rokitnica (Director: Docent Dr. Medical-Partner J. [illegible]); pp 179-182. (English summary).

4. "Protein Fractions," Anna [illegible] and Alexander [illegible] of the First Clinic of Obstetrics and Gynecology (I Klinika Poloznictwa i Chorob Kobiecych) of the Medical Academy at Lublin (Director: Prof. Dr. S. [illegible]) and of the Laboratory Specialist Outpatient Clinic (Wojewodzka Przychodnia Specjalistyczna) at Lublin (Director: Adjunct Dr. [illegible]); pp 182-188. (English summary).

5. "Post Frequent Errors in Clinical Electrocardiography Resulting from Wrong Interpretation of Biological Processes," Jerzy [illegible] of the Medical Academy in Wroclaw (Director: Docent Dr. K. [illegible]); pp 188-190. (English summary).

6. "Experiments of Tumor Diagnosis with the Sabolier Method," Jerzy [illegible], Leszek [illegible], and Bohdan [illegible] of the Clinic of Internal Diseases (III Klinika Chorob Wewnetrznych) of the Medical Academy in Gdansk (Director: Prof. Dr. J. [illegible]); pp 190-193. (English summary).

7. "Diuretic Action of Preparation P 193 (Petanol. II. Reaction in Healthy Humans," Andrzej [illegible], Jadwiga [illegible], Lucyna [illegible], and Anna [illegible] of the [illegible] Clinic of Internal Diseases of the Medical Academy at Gdansk (Director: Prof. Dr.

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HUCZKI-GLEBOCKI, Jerzy; OSTERCZY, Zbigniew

Steroid diabetes. (Considerations on 7 cases). Polskie arch.med. wewn. 30 no.6:843-844 '60.

1. Z III Kliniki Chorob Wewnetrznych A.M. w Krakowie Kierownik: prof.dr med. J.Aleksandrowicz.
(DIABETES MELLITUS etiol)
(ADRENAL CORTEX HORMONES toxicol.)

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OSTERCZY, Hanna (Krakow, ul Krowoderska 28 m. 6.)

Retinal detachment. Klin. oczna 28 no.1:45-47 1958.

1. Z Kliniki Chorob Oczu A. M. w Krakowie Kierownik: prof. dr med. M. Wilczek.
(RETINAL DETACHMENT, case reports
pathol. & ther. (Pol))

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

CSTERCZY-SLIWINSKA, Hanna

Results of surgical therapy in developmental cataract. Klin. oczna 31 no.3:235-240 '61.

1. Z Kliniki Chorob Oczu AM w Krakowie Kierownik: prof. dr med. M. Wilczek.

(CATARACT EXTRACTION)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERLOFF, L.

Trends in the development of the electric equipment of automobiles. Pt. 3

p. 352 (Technika Motoryzacyjna) Vol. 7, no. 10, Oct. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 19[illegible]

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERMAN, L.

"Three Evenings of Cybernetics. A Popular Science Essay," Teatr (The Theater), 1959, No. 5, Pages 157 - 166.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

DIANOV-KLOKOV, V.I.; STAKHOVSKIY, A.D.; OSTERMAN, L.A.

Amplifier input units for bolometers and thermocouples. Izm. tekh. no.2:37-41 Mr-Ap '57. (MLRA 10:6)
(Bolometer) (Amplifiers, Electron-tube) (Thermocouples)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERMAN, L.A.

Registration of nerve action potentials in unscreened rooms. [with summary in English]. Biul.eksp.biol. i med. 45 no.6:109-112 Je '58 (MIRA 11:8)

1. Iz eksperimental'noy laboratorii (zav. kand.med.nauk V.M. Khayutin) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.

(NEUROPHYSIOLOGY, appar. & instruments,
for registration of nerve action pontential in unscreened room (Rus))

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERMAN, L.A.

Simple attachment for stimulators [with summary in English].
Biofizika 4 no.2:238-241 '59. (MIRA 12:4)

1. Institut normal'noy patologicheskoy fiziologii AMN SSSR, Moskva.
(PHYSIOLOGY, appar. & instruments,
attachment to electric stimulator (Rus))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERMAN, E.A., kandidat arkhitektury; NAUMOVA, N.A., inzhener; KHRUSTOV, S.Ya., inzhener; SHAPOVALOV, I.S., inzhener

Plans for apartment houses designed by GLAVSTANDARTDOM. Rats.i izobr.predl. v stroi. no.102:15-24 '55. (MIRA 8:10)
(Buildings, Prefabricated)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

S/058/63/000/003/011/104
A160/A101

AUTHOR: Ostern, N. B.

TITLE: The theory of direct reactions

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 4, abstract 3B33 (In collection: "Stroyenie Yadra". M., Gosatomizdat, 1962, 128 - 139)

TEXT: The method of distorted waves in Born's approximation is discussed. This method is a theory of perturbation by the interaction potential by using, instead of the full wave function Ψ^+, the wave function Ψ_i^+ which describes only elastic scattering in the channel i, whereby the function Ψ_i^+ itself is obtained as a solution of the optical model equations. Exact expressions for the various characteristics of the reactions within the limits of the method of distorted waves by Born's approximation are complicated. Therefore, when calculating the potential, the approximation of the zero radius of the nuclear forces action is frequently used. This is one of the weak spots of the method. It is indicated that the theory investigated can be simplified if the direct processes are interpreted as surface processes taking place at a certain fixed value of the

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The theory of direct reactions

S/058/63/000/003/011/104
A160/A101

radius R (Referativnyy zhurnal, Fizika, no. 6, 1960, 13400). This leads to the fact that the angular distribution depends only on the R, the optical potential and the fully transmitted momentum L, and does not depend on the details of the reaction mechanism. A number of supplements to the experiment are reviewed; presented are data of the angular distribution of the reactions (α, p), (α, α') (d, α) for which theoretical curves were plotted by the method of distorted waves by Born's approximation. In the cases inventigated, a quite satisfactory correspondence is observed between the theory and the experiment. In connection with the idea of the applicability of the surface reactions, a contribution of various partial waves to the reaction amplitude is discussed. See also Referativnyy zhurnal, Fizika, 1961,6B383.

S. Timashev

[Abstracter's note; Complete translation]

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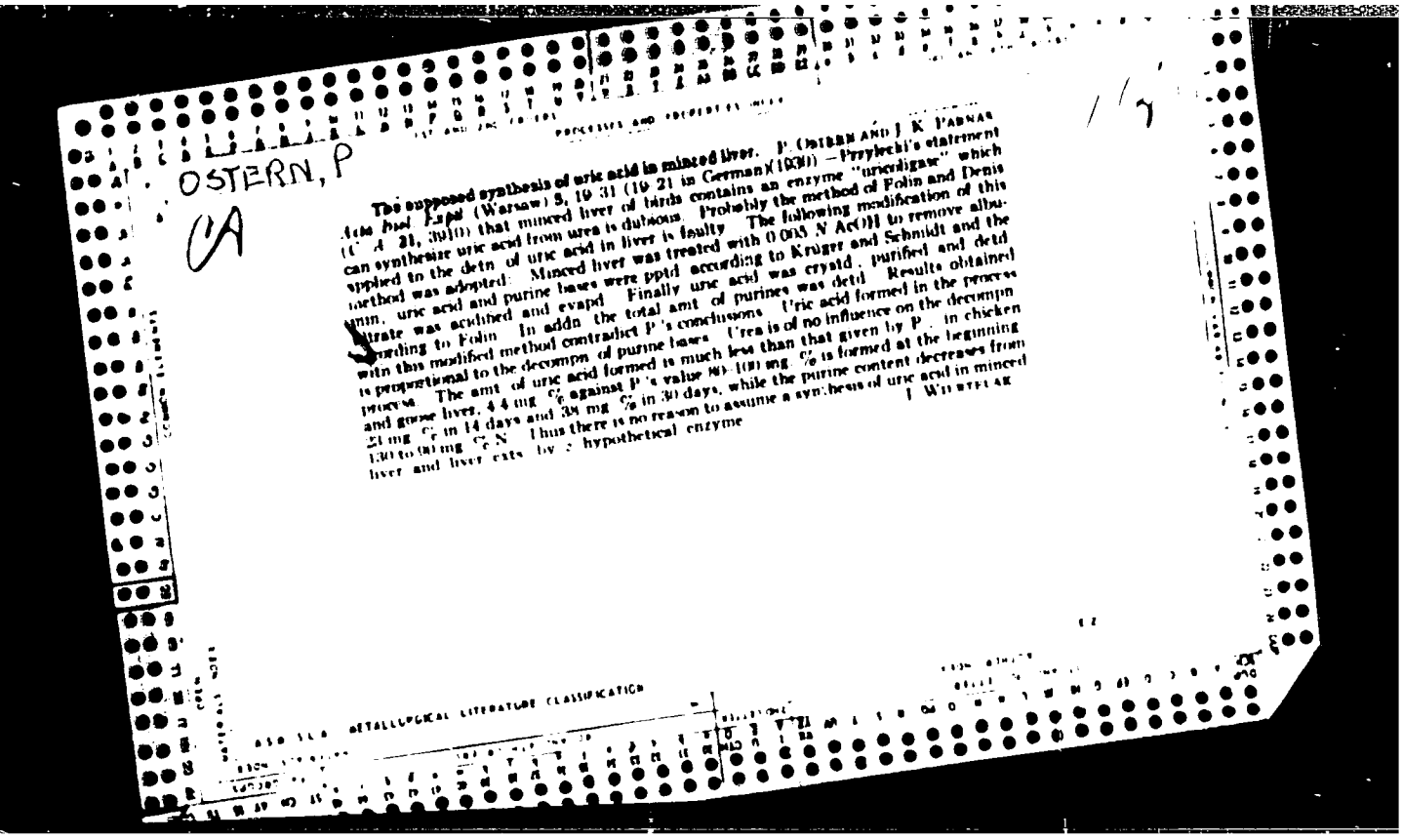

OSTERN, P

CA

PROCESSES AND PROPERTIES INDEX

The supposed synthesis of uric acid in minced liver. P. OSTERN AND J. K. PARNAS. *Acta Biol. Exptl.* (Warsaw) 5, 19-31 (19-21 in German)(1930).—Przylecki's statement (C. A. 21, 3910) that minced liver of birds contains an enzyme "uricoligase" which can synthesize uric acid from urea is dubious. Probably the method of Folin and Denis applied to the detn. of uric acid in liver is faulty. The following modification of this method was adopted: Minced liver was treated with 0.005 N AcOH to remove albumin, uric acid and purine bases were pptd. according to Krüger and Schmidt and the filtrate was acidified and evapd. Finally uric acid was crystd., purified and detd. according to Folin. In addn. the total amt. of purines was detd. Results obtained with this modified method contradict P.'s conclusions. Uric acid formed in the process is proportional to the decompn. of purine bases. Urea is of no influence on the decompn. process. The amt. of uric acid formed is much less than that given by P., in chicken and goose liver, 4.4 mg. % against P.'s value 80-100 mg. % is formed at the beginning 23 mg. % in 14 days and 38 mg. % in 30 days, while the purine content decreases from 130 to 90 mg. % N. Thus there is no reason to assume a synthesis of uric acid in minced liver and liver exts. by a hypothetical enzyme. I. WIERTELAK

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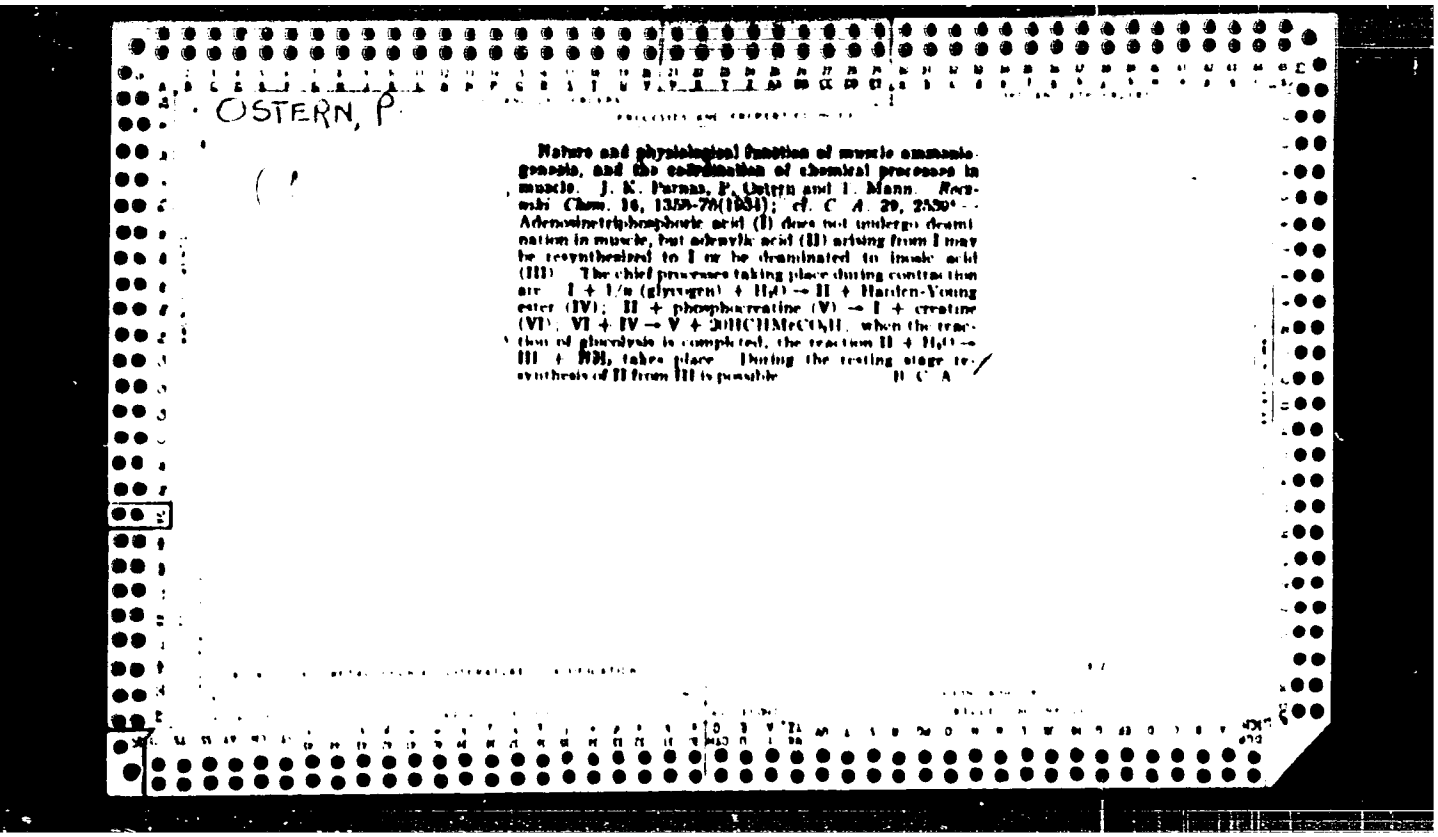

OSTERN, P.

Nature and physiological function of muscle ammoniogenesis, and the coordination of chemical processes in muscle. J. K. Parnas, P. Ostern and T. Mann. *Rocznik Chem.* 16, 1359-78(1934); cf. *C. A.* 29, 2539[4]. — Adenosinetriphosphoric acid (I) does not undergo deamination in muscle, but adenylic acid (II) arising from I may be resynthesized to I or be deaminated to inosic acid (III). The chief processes taking place during contraction are: I + 1/n (glycogen) + H_2O → II + Harden-Young ester (IV); II + phosphocreatine (V) → I + creatine (VI); VI + IV → V + 20HCHMeCO$_2$H, when the reaction of glycolysis is completed, the reaction II + H_2O → III + NH_3 takes place. During the resting stage resynthesis of II from III is possible. B. C. A.

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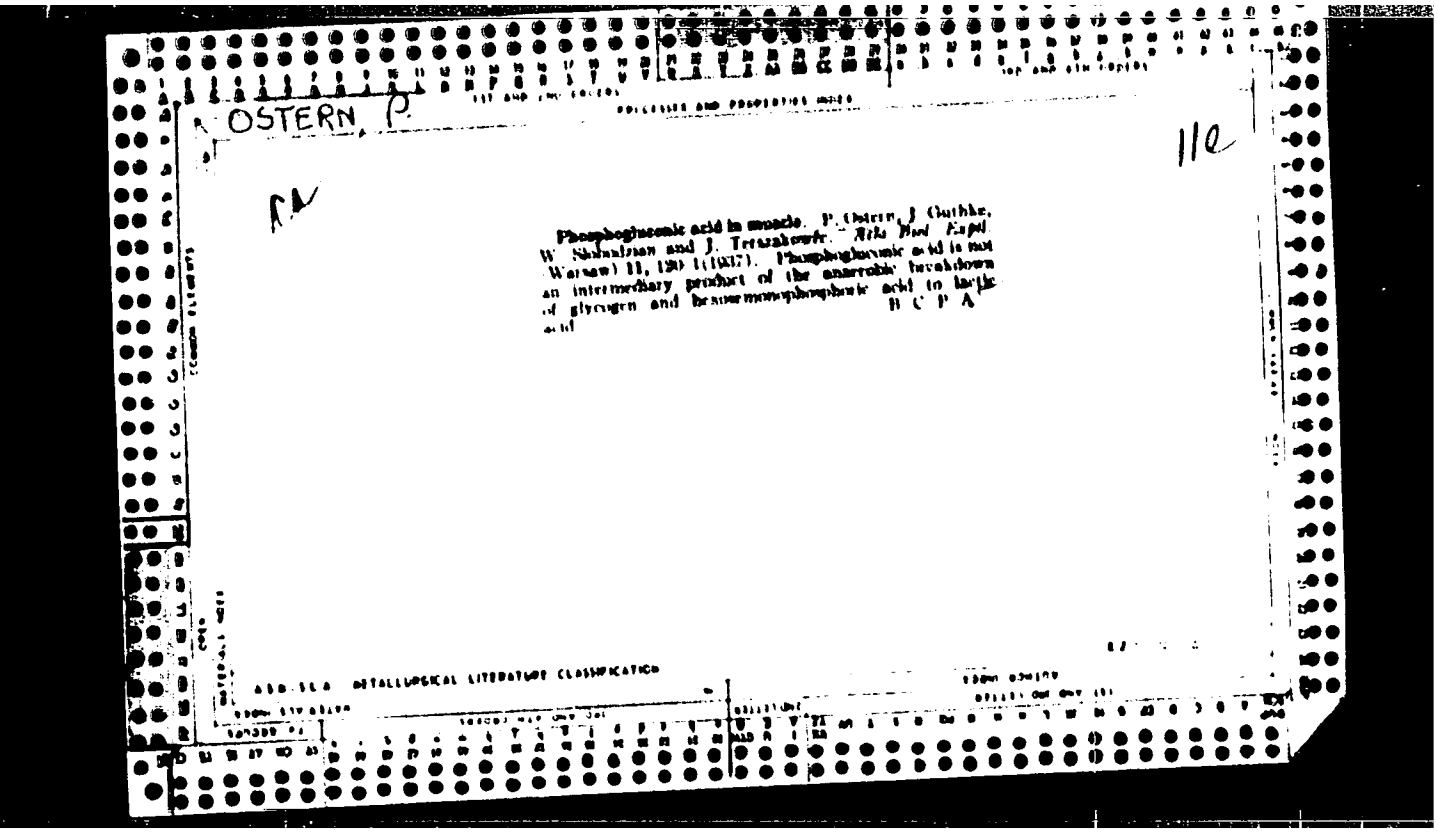

OSTERN, P.

11e

Phosphogluconic acid in muscle. P. Ostern, J. Guthke, W. Slobodzian and J. Terszakowic. *Acta Biol. Exptl.* (Warsaw) 11, 120-1 (1937). Phosphogluconic acid is not an intermediary product of the anaerobic breakdown of glycogen and hexosemonophosphoric acid to lactic acid. B C P A

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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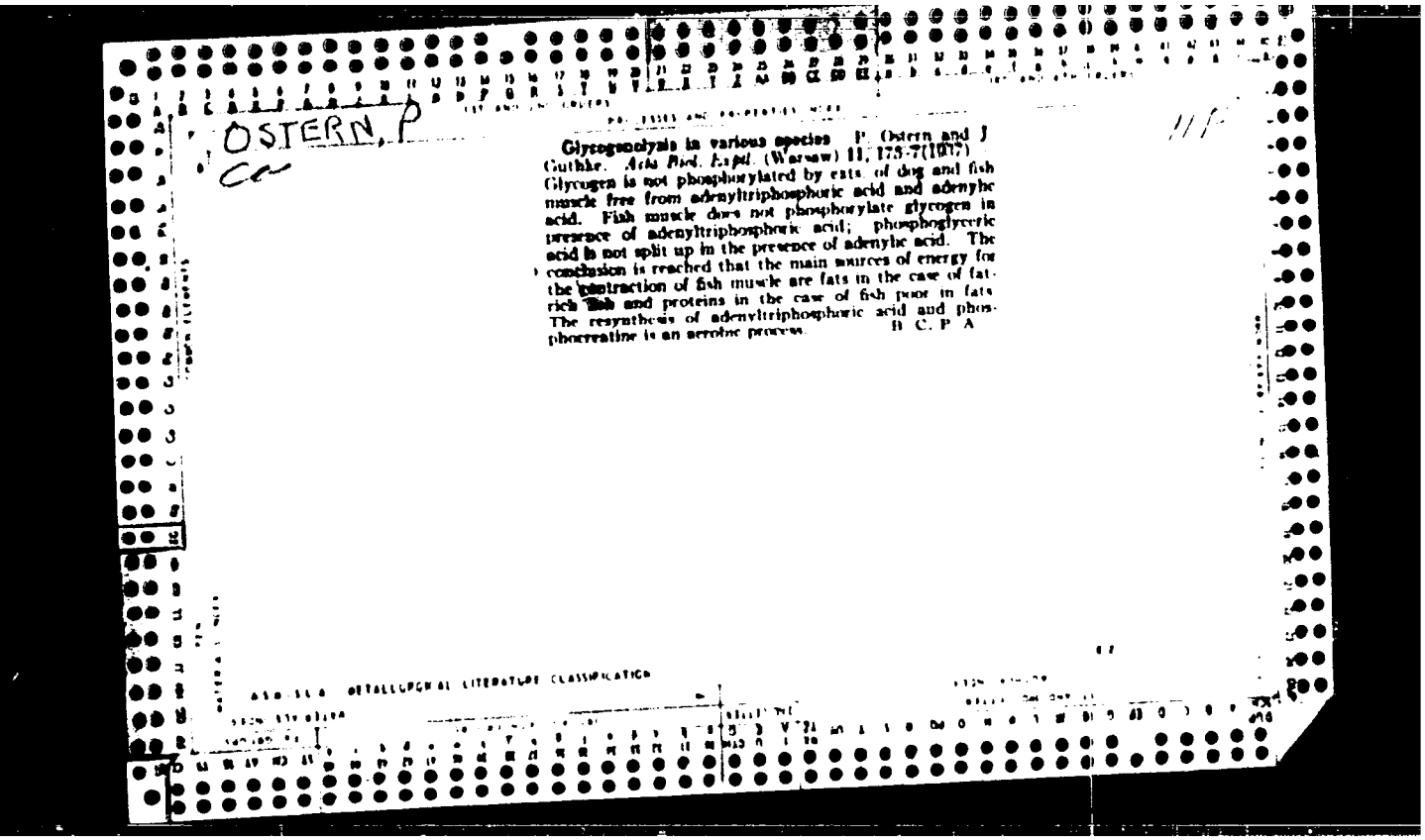

OSTERN, P
Ca

Glycogenolysis in various species. P. Ostern and J. Guthke. *Acta Biol. Exptl.* (Warsaw) 11, 175-7(1937). Glycogen is not phosphorylated by extr. of dog and fish muscle free from adenyltriphosphoric acid and adenylic acid. Fish muscle does not phosphorylate glycogen in presence of adenyltriphosphoric acid; phosphoglyceric acid is not split up in the presence of adenylic acid. The conclusion is reached that the main sources of energy for the contraction of fish muscle are fats in the case of fat-rich fish and proteins in the case of fish poor in fats. The resynthesis of adenyltriphosphoric acid and phosphocreatine is an aerobic process. B. C. P. A.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

GAVRILOV, L.G., inzh.; OSTERNIK, E.S., inzh.

Mechanical tests of TGV-200 turbogenerators with instantaneous load drop. Elek. sta. 35 no.2:83-84 F '64.
(MIRA 17:5)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERNIK, E. S.

Strain-measuring bridge with resistance boxes. Izm. tekh. no.10:27-29 O '62. (MIRA 15:10)

(Strain gauges) (Bridge circuits)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERNIK, E.S. (Khar'kov)

Errors in calculating a shallow shell as a plate. Prykl.mekh.
7 no.5:512-515 '61. (MIRA 14:10)

1. Khar'kovskiy institut turbogeneratorov i teplovoznogo elektrooborudovaniya.
(Elastic plates and shells)

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29226

S/198/61/007/005/006/015
D274/D303

24 4200

AUTHOR: Osternik, E.S. (Khar'kiv)

TITLE: On the calculation error due to approximating a shallow shell by a plate

PERIODICAL: Prikladnaya mekhanika, v. 7, no. 5, 1961, 512 - 515

TEXT: A modified method is proposed for estimating the error in calculating shells which are under uniform normal loads. Such shells are widely used in machine construction and building engineering. The method is based on S.G. Mikhlin's theorem on operators. A thin shallow shell is considered, part of whose contour is rigidly clamped and the other part free. An orthogonal system of coordinates is used (α_1, α_2, α_3). S denotes the middle surface. The differential equations of the bending of the middle surface are

$$P\bar{w} = \bar{q} \qquad (1)$$

where P is a differential operator and $\bar{q}$ - the load per unit area.

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On the calculation error due ...

By the conditions of the problem

$$[illegible] = q_3 = q = \text{const} > 0, \quad q_1 = q_2 = 0. \tag{2}$$

By Mikhlin's theorem, the relative error in bending, upon replacing the shell by a plate, is

$$\frac{/\bar{w} - \bar{w}_0/}{/\bar{w}_0/} \leqslant \eta, \tag{4}$$

where

$$\eta = \max\left(\frac{/\delta'/}{1 - \delta'}, \frac{/\delta''/}{1 + \delta''}\right), \tag{5}$$

and

$$-\delta'(P_0\bar{w}, [illegible]) \leqslant (P\bar{w}, \bar{w}) - (P_0\bar{w}, \bar{w}) \leqslant \delta''(P_0\bar{w}, \bar{w}); \tag{6}$$

here $\bar{w}$ and $\bar{w}_0$ are displacement vectors at the corresponding points of the shell and of the plate, P_0 is the differential operator of the plate. The problem amounts to determining δ' and δ'' from two

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On the calculation error due ...

systems of inequalities. The error estimate is correct if both σ are smaller than unity. First inequality: From the theory of surfaces it follows that

$$\iint_S w_3 dS = \iint_{S_0} w_3(1 + \beta)dS_0 \qquad (7)$$

where

$$1 + \beta = \sqrt{\frac{EG}{E_0 G_0}} > 1 \qquad (8)$$

(E, G being the coefficients of the quadratic forms S and S_0). By Eq. (3) and (7)

$$(P\bar{w}, \bar{w}) \leqslant q(1 + \beta)_m \iint_{S_0} w_3 dS_0. \qquad (9)$$

Using the Schwartz-Bunyakovs'kiy inequality, one obtains

Card 3/6

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On the calculation error due ...

$$\left[\iint_{S_0} w_3 dS_0\right]^2 \leq S_0 \iint_{S_0} w_3^2 dS_0. \qquad (10)$$

Two more inequalities are obtained; thereupon

$$\left[\iint_{S_0} w_3 dS_0\right]^2 \leqslant \frac{S_0}{b^2(1+\beta)_{min})} (P_0\bar{w}, \bar{w}). \qquad (13)$$

Evidently

$$\iint_{S_0} w_3 dS_0 \geqslant 0. \qquad (14)$$

Hence

$$(P\bar{w}, \bar{w})^2 \leq q^2[(1+\beta)_{max}]^2\left[\iint_{S_0} w_3 dS_0\right]^2. \qquad (15)$$

From (13) and (15) one finally obtains

Card 4/6

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

On the calculation error due ...

$$(P\bar{w}, \bar{w}) \leqslant A(P_0\bar{w}, \bar{w}), \text{ where } A = \frac{S_0 q^2 [(1+\beta)_{max}]^2}{(1+\beta)^2_{min}}. \quad (16)$$

Second inequality: One obtains

$$(P\bar{w}, \bar{w}) \leqslant B(\eta + 1), \text{ where } B = q(1+\beta)_{max} \iint_{S_0} |\bar{w}_0| dS_0. \quad (21)$$

From (5) follows that

$$\eta \geqslant \frac{\delta'}{1-\delta'}, \quad (23); \qquad \eta > \frac{\delta''}{1+\delta''}. \quad (24)$$

Now from (16), (21), (6) and (23) the system of inequalities for δ':

$$(P\bar{w}, \bar{w})^2 \leqslant A(P_0\bar{w}, \bar{w}), \quad (P\bar{w}, \bar{w}) \leqslant B(\eta + 1), \quad -\delta'(P_0\bar{w}, \bar{w}) \leqslant \quad (25)$$

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On the calculation error due ...

$$\leqslant (P\bar{w}, \bar{w})-(P_0\bar{w}, \bar{w}), \quad \eta \geqslant \frac{\delta'}{1-\delta'} \tag{25}$$

is set up; analogously for δ'':

$$(P\bar{w}, \bar{w}) \leqslant B(\eta + 1), \quad (P\bar{w}, \bar{w})-(P_0\bar{w}, \bar{w}) \leqslant \delta''(P_0\bar{w}, \bar{w}), \tag{26}$$

$$\eta \geqslant \frac{\delta''}{1+\delta''}.$$

Hence the proposed method amounts to solving the system of inequalities (25) and (26). There are 3 Soviet-bloc references.

ASSOCIATION: Kharkivs'kyy in-t turbogeneratoriv ta teplovoznogo elektrostatkuvannya (Khar'kiv Institute of Turbogeneratore and Heat- and Power Equipment)

SUBMITTED: July 4, 1960

Card 6/6

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERNIK, O.I.

Utilization of reclaimed wool in the "Lenin" Worsted [illegible]
tion Combine in Dunayevtsy. Leh. prom. no.4:19-20 O-D '54.
(MLRA 7:11)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTERNIK, S. A. Cand. Tec . Sci.

Dissertation: "Investigation of the Shrinkage of Wool fabrics." 1[illegible]

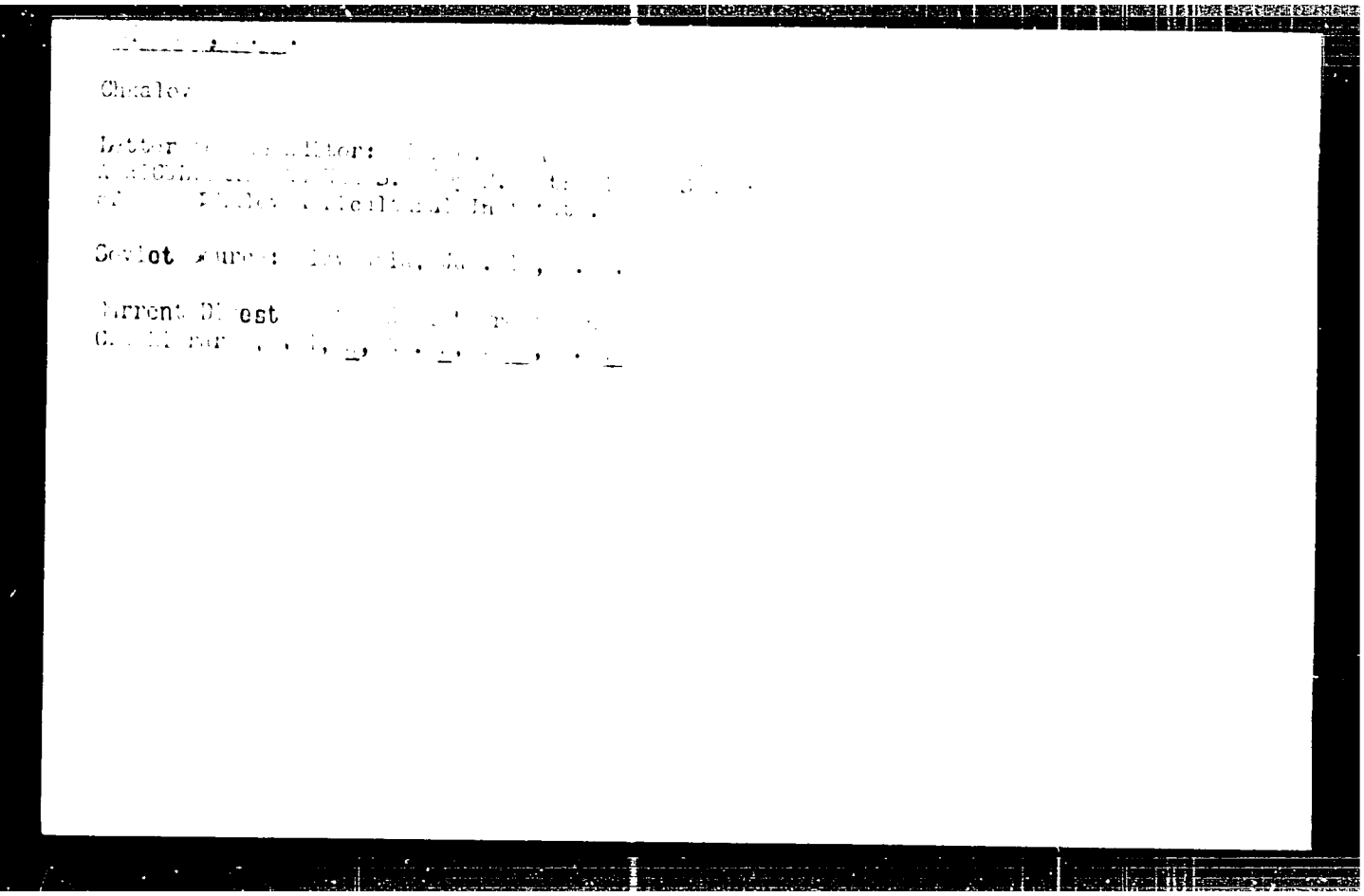
Moscow Inst. of Nat nal Economy Imeni

G. V. Plekhanov.

SO Vecherniaya Moskva
Sum 71

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238



APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

COSTBAG, PAM

Kompressory i vozdukhoduvki; teoriia, raschet i konstruktsiia. Khar'kov, Universal'noe nauchnoe izd-vo, 1929. v. 2. illus.

Contents. - t. 2. - Turbokompressory i turbovozdukhoduvki.

(Compressors and blowing engines; theory, calculation and design. v. 2. Turbo-compressors and turbo-blowers.)

DLC: TJ990.C81

SO: Manufacturing and Mechanical Engineering in the Soviet Union. Library of Congress, 1953.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

BODUNOV, Ye.I.; OSTERTAG, R.Ya.

Gas logging of oil prospecting wells in Irkutsk Province. Razved. i prom. geofiz. no. 34:14-21 '60. (MIRA 13:12)
(Irkutsk Province--Oil well logging) (Gas, Natural)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

SOV-25-58-10-45/48

AUTHOR: Oster-Volkov, N.N., Itinskiy, V.I., Engineers

TITLE: None given

PERIODICAL: Nauka i zhizn , 1958, Nr 10, pp 78 - 79

ABSTRACT: The Institute of Plastics has developed new synthetic resins under the supervision of Professor V.S. Petrov. Tests, successfully carried out, proved that the synthetic resin "FA" can be subjected to temperatures between -60° and +320° and for a short period even to 2000°C.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut plastmass (All-Union Scientific Research Institute of Plastics

1 Plastics--Temperature factors

Card 1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ITINSKIY, V.I.; KAMENSKIY, I.V.; OSTER-VOLKOV, N.N.

Cementless plastic concrete. Plast.massy no.6:19-22 '60. (MIRA 13:11)

(Concrete) (Plastics)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

89962

S/097/60/000/011/002/007
A003/A029

15.3000 1.15.2209

AUTHORS: Yelshin, I. M., Candidate of Technical Sciences,
Oster-Volkov, N. N., Engineer

TITLE: Plastoconcrete on the Base of "ФА" ("FA") Monomer

PERIODICAL: Beton i zhelezobeton, 1960, No. 11, pp. 503-506

TEXT: A plastoconcrete was investigated, in which cement was substituted by the synthetic "FA" furfurole-acetone resin, which is a condensation product of furfurole with acetone in an alkaline medium. The Fergan skiy gidroliznyy zavod (Fergana Hydrolysis Plant) was the first in the USSR to develop the production of this monomer. The plastoconcrete based on this monomer was tested at the VNII-plastmass (VNII of Plastics) and MKhTI im. Mendeleyev. In the case of a coarse filler the following formulation was used: 1 part of filler, 0.09 "FA" monomer, 0.02 furfurole, 0.03 benzenesulfoacid; in the case of sand filler: 1 part of sand, 0.14 "FA" monomer, 0.02 furfurole, 0.04 benzenesulfoacid. The hardening lasted from several minutes to several months. The final strength depended on the amount of acid present and on the temperature of the surrounding air

Card 1/3

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

Plastoconcrete on the Base of "ФА" ("FA") Monomer

The optimum amount of acid is 25 - 30 % of the monomer weight. The results of the strength tests are shown in Table 1.

Type of test	Strength limit in kg/cm^2 at the age of:					
	1 day	3 days	7 days	28 days	90 days	180 days
Compression .	313	410	500	533	656	721
Stretching ..	-	37	-	72	-	-
Bending	-	95	130	160	-	-

In order to obtain a 28-day strength already after one day the amount of acid must be raised. The tests for watertightness showed that samples 25 mm thick withstood a pressure of 14 atm at the age of 7 days. Tests carried out at -20°C in the course of 50 cycles on 7-day samples did not reveal changes in the weight and the strength of the samples. The wear resistance is 10 times higher than in cement samples of the composition 1 : 3 at the age of 33 days. Plastoconcrete has a good adhesion to dry cement samples, but the adhesion to wet samples is low. Sand with carbonate admix-

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

Plastoconcrete on the Base of "FA" ("FA") Monomer

S/097/60/000/011/002/007
A003/A029

tures can be used as filler if the amount of catalyst (acid) is increased. Industrial tests of the plastoconcrete were made at the Verkhne-Chirchik power station (UzSSR) and at the Pal'ma dam on the Isfayrom-Say river. The tests have shown that plastoconcrete can be prepared and laid by methods used with cement concrete. Tests were also conducted by NIIKhimmash and TsNIIPodzemshakhtstroy. They have shown that plastoconcrete is resistant to acids of various concentration, alkalies, solvents, etc. It has good dielectric properties . Wood and other organic material is protected from rotting when coated with this concrete. Aging tests conducted since 1952 did not show any changes in its quality. It is hoped to reduce the cost of one m^3 of plastoconcrete from ',600 to 600 - 700 rubles by improving the production methods for furfurole. There are 2 tables and 1 photograph

Card 3/3

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTER-VOLKOV, N.N., inzh.; ITINSKIY, V.I., inzh.

New mineral organic cementless concrete. Izobr.v SSSR 2 no.12:8-9 D '57. (MIRA 10:12)

(Concrete)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTFELD, M.

Certain achievements in the mechanization of construction for cotton picking and filling in cotton-spinning mills. p.8.
(INDUSTRIA TEXTILA. Vol. 8, no. 1, Jan. 1957. Rumania)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

Page 79

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTFELD, M.

Profitability of large packages on cotton ring frames. p. 51.

INDUSTRIA TEXTILA. (Asociatia Stiintifica a Inginerilor si Technicienilor din Rominia si Ministerul Industreie Udostre) Bucuresti, Rumania. Vol. 10, no. 2, Feb. 1959.

Monthly Lists of East European Accessions (EEAI) LC, Vol. 9, no. 8, Aug. 1959.

Uncl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTFELD, M.

OSTFELD, M. Suspended conveyor. p. 351.

Vol. 6, no. 10, Oct. 1955
INDUSTRIA TEXTILA
Bucuresti, Rumania

So: Eastern European Accession Vol. 5 No. 1 April 1956

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTFELD, M.

New system of pressure in Textima ring spinning frames. p. 439

INDUSTRIA TEXTILA, Bucuresti, Vol 6, No. 12, Dec., 1955

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 7, July, 1956

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTFELD, M.

New systems of pressure on fly frames in cotton spinning mills. p. 151
INDUSTRIA TEXTILA, Vol. 7, No. 4, Apr. 1956, Rumania.

SO: East European Accessions List, L. of C., Vol. 5, No. 10, Oct. 1956.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

BAKHVALOV, Sergey Vladimirovich; BABUSHKIN, Lev Ivanovich; IVANITSKAYA, Valentina Pavlovna; OSTIANU, N.M., red.; NATAPOV, M.I., tekhn. red.

[Analytic geometry; a manual for teachers' colleges] Analiticheskaia geometriia; uchebnik dlia pedagogicheskikh institutov. Pod red. S.V. Bakhvalova. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958. 326 p. (MIRA 11:7)

(Geometry, Analytic)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

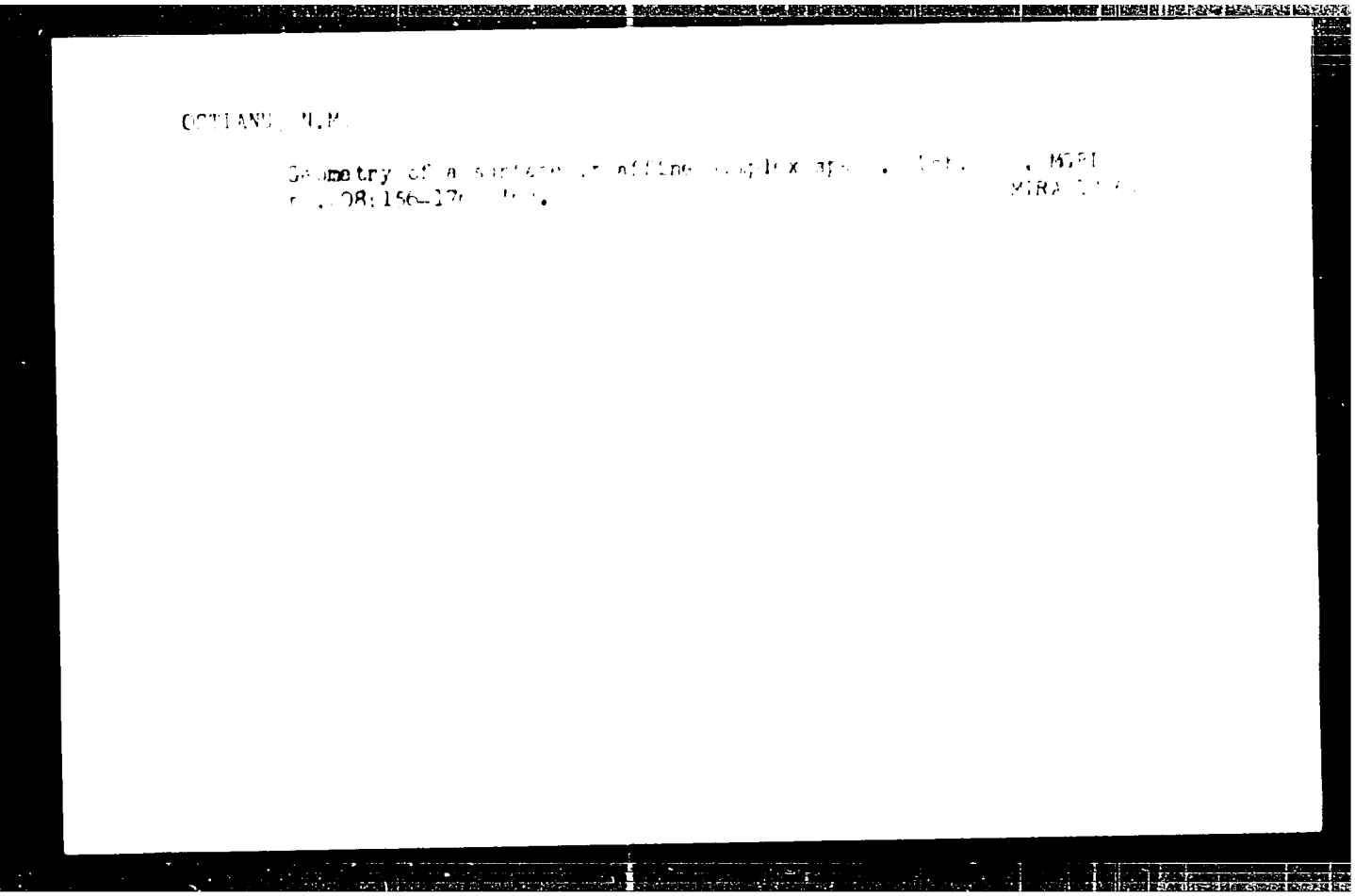
"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

DAVYDOV, Nikolay Alekseyevich; KOROVKIN, Pavel Petrovich; NIKOL'SKIY, Vladimir Nikolayevich; OSTIANU, N.M., red.; SMIRNOV, G.I., tekhn.red.

[A collection of problems in mathematical analysis] Sbornik zadach po matematicheskomu analizu. Izd.2-oe. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1957. 194 p. (MIRA 11:1)
(Mathematical analysis--Problems, exercises, etc.)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238



APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTIANU, N.M.

The geometry of an n-dimensional surface of a (2n - 1)-dimensional projective space. Dokl. AN SSSR 136 no.4:775-778 F '61. (MIRA 14:1)

1. Predstavleno akademikom P.S. Aleksandrovym.
(Geometry, Differential)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Ostianu, N. M. (Moscow). On Geometry of Surfaces in Affine-simplectic Multimorphic Space. 160-161

Mention is made of Laptev, G. F.

Penzov, Yu. Ye. (Saratov). Classification of Geometric Objects. 161-162

Mention is made of Vagner, V. V., Dubnov and Liber.

Pervikova, V. N. (Moscow). Fundamental Theorem of Central Axonometry for n-Dimensional Spaces. 162-163

Petrov, P. I. (Kazan'). Classification Principle of Riemannian Manifolds According to Their Differential Invariants, and its Application. 163

Mention is made of Skhouten, I. A.

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTIANU, N.M.

ZETBL', Semen Isaakovich; OSTIANU, N.M., red.; KRUTS, I.G., tekhn.red.

[Geometry of the line and geometry of the compass] Geometriia lineiki i geometriia tsirkulia. Izd. 2-oe, dop. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 162 p. (MIRA 11:5)
(Geometry, Plane)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ZNAMENSKIY, Mikhail Alekseyevich; OSTIANU, N.M., redaktor; RYBIN, I.V., tekhnicheskiy redaktor

[Terrain measurements; handbook for students of the physics and mathematics departments of the pedagogical institutes] Izmeritel'nye raboty na mestnosti; posobie dlia studentov fiziko-matematicheskikh fakul'tetov pedagogicheskikh institutov. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1956. 189 p. (MLRA 10:4)
(Surveying)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTIANU, V. M.
USSR/Engineering - Regulation OSTIANU, V. M. FD-1752

Card 1/2 : Pub. 10-11/12

Author : Ostianu, V. M.

Title : All-Union conference on telemechanization in the national economy

Periodical : Avtom. i telem., Vol. 16, 209-218, Mar-Apr 1955

Abstract : The conference was held in Moscow from 29 November 1954 to 5 December 1954 on the problems of telemechanization of the national economy. More than 400 delegates from 145 organization participated. They heard 40 lectures and 4 reports. The following spoke: V. A. Trapeznikov (director of the Institute of Automatics and Telemechanics); Prof. M. A. Gavrilov (Dr of Tech Sci; Institute of Automatics and Telemechanics); V. A. Il'in (Dr of Tech Sci; same institute); A. V. Khramoy (Cand Tech Sci; same); A. M. Petrovskiy (Cand Tech Sci; same); V. N. Chepurina (Engineer); Ya. L. Bykhovskiy (Central Scientific Research Electrical Engineering Laboratory, Ministry of Electric Power Stations); Engineer Ye. D. Zeylidzon (Technical Directorate, Ministry of Elect-ic Power Stations); N. F. Penkin (Cand Tech. Sci.; Central Scientific Research Institute); Yu. G. Kornilov (Cand. Tech. Sci.; Institute of Gas Utilization, Acad. Sci. Ukr. SSR); Engineer L. A. Emdin (Leningrad City Engineering Project); L. B. Kublanovskiy (Cand. Tech. Sci.; Sci. -Res. Petroleum Gas Institute, Ministry of the Petroleum Industry); V. T. Sergovantsev (Cand. Tech. Sci.; Moscow Institute of Mechanization and Electrification

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of Agriculture); Engineer A. S. Ilyakhinskiy (Heavy Industry Electric Project); Ye. S. Snagovskiy (Cand. Tech. Sci.; Ministry of Coal Industry); Engineer Yu. S. Tsitkin (Ukrainian State Planning Institute for Gas); B. S. Sotskov (Dr Tech. Sci.; Institute of Automatics and Telemechanics); V. N. Roginskiy (Cand. Tech. Sci.; Lab. for Working Sci. Problems of Wire Communications, Acad. Sci. USSR); V. A. Zhozhikashvili (Institute of Automatics and Telemechanics); O. A. Goryainov (Cand. Tech. Sci.; Moscow Power Institute); V. N. Tutevich (Cand. Tech. Sci.; Inst. Auto. and Telem.); F. A. Katkov (Cand. Tech. Sci.; Institute of Electrical Engineering, Acad. Sci. Ukr. SSR); Engineer N. M. Krasnikov (State Planning Trust for Hydroelectric Power Enterprises); V. A. Moroz (Academy of Communal Economy); V. Ye. Kazanskiy (Engineer; State Trust for the Organization and Rationalization of Regional Electric Power Stations and Networks); Engineer V. D. Ambrosovich (Factory "Elektropul't"); V. N. Mikhaylovskiy (Cand. Tech. Sci.; Institute of Machine Science and Automatics, Acad. Sci. Ukrainian SSR); S. A. Ginzburg (Central Lab. Electromagnetism (?), Ministry of Electric Power Stations).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTIANU, V.N.

Synthesis of contact circuits with step-by-step switching. Dokl. AN SSSR 103 no.5:827-830 Ag '55. (MLRA 9:1)

1.Institut avtomatiki i telemekhaniki Akademii nauk SSSR. Predstavleno akademikom V.S.Kulebakinym.
(Electric circuits)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

GAVRILOV, M.A., otvetstvennyy redaktor; IL'IN, V.A., redaktor; ZHOZHIKASHVILI, V.A., redaktor; PETROVSKIY, A.M., redaktor; MALOV, V.S., redaktor; OSTIANU, V.M., redaktor; POKEDIMSKIY, V.V., redaktor izdatel'stva; KISELEVA, A.F., tekhnicheskiy redaktor

[Remote control in the national economy] Telemekhanizatsiia v narodnom khoziaistve; materialy soveshchaniia. Moskva, Izd-vo Akademii nauk SSSR, 1956. 481 p. (MLRA 9:8)

1. Soveshchaniye po telemekhanizatsii v narodnom khozyaistve SSSR. Moscow, 1954.
(Remote control) (Telemetering)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTIANU, V. M.

" A Synthesis of Circuits with Step-by-Step Switches," pp 2[illegible]3-26[illegible], [illegible], 1[illegible] ref

Abst: The article gives a short account of the algebra of contact circuits with step-by-step switches; on this basis an examination is made of the structural synthesis of contacts of a multiterminal network with step-by-step switches.

SOURCE: Sbornik Rabor po Avtomatike i Telemekhanike. In-t Avtomatike i Telemekhaniki AN SSSR (Collection of Works in Automatics and Telemechanics. Institute of Automatics and Telemechanics of the Academy of Sciences USSR), Moscow, Publishing House of the Academy of Sciences USSR, 1956

Sum 1854

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTIANU, V. M. (Sci. Corr.); YURGENSON, [illegible] I. (Cand. Tech. Sci.); SHCHUKIN, B. K. (Cand. Tech. Sci.); ABDULAYEV, P. (Sci. Corr.)

"Construction of telemec[illegible]."

paper re[illegible] at the Ses[illegible] Acad. Sci. [illegible], on Scientific Problems of Automatic Production, [illegible].

Automatika i telemekhanika, No. 2, 19[illegible], p. 1[illegible]2-1[illegible]2.

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

US Tiaru, V.M.

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki

Avtomatika i telemekhanika: sbornik (Automation and Telemechanics; Collection of Articles) Moscow, 1958. 144 p. 5,000 copies printed

Resp. Ed.: Ya.Z. Tsypkin; Ed. of Publishing House: V.A. Kotov; Tech. Ed: I.N. Guseva

PURPOSE: This collection of articles is intended for specialists in automation and remote control.

COVERAGE: The book contains fifteen papers presented at the Fourth and fifth scientific and technical conferences, held in 1955 and 1956, by junior members of the staff of the Institut automatiki i telemekhaniki (Institute of Automation and Telemechanics), Academy of Sciences, USSR. The papers are based on the individual research of their authors. The collection consists of five parts: Automatic Control, Components of Automatic and Remote Control Systems, Automated Electric Drive, Automatic Checking, and Remote Control.

Abdullayev, D.A. Some Problems of Building Remote Control Systems With Dispersed Points of Operation 109

The author investigates methods of discriminative selection of objects of remote control on the basis of efficient outlay of equipment so as to efficiently plan remote control systems with dispersed points of operation. The task is reduced to the design of remote control systems with the smallest outlay of relays in dispatching points. With a small number of objects in operational points, the author finds most efficient the principle of a "distributive switch", which was developed at the Remote Control Laboratory of IAT. There are 7 references. 6 Soviet and 1 English. No personalities are mentioned.

Kashirin, V.A. Optimum Time of Quantizing a Signal in the Presence of Noise 118

The author derives a formula for determining the optimum time of quantizing for the spectral function of a given signal, a given method of transmission, and a certain intensity of noise in the communications channel, which will result in the smallest total error. The author uses the Kotel'nikov theorem for his discussion. There are 3 Soviet references. No personalities are mentioned.

Ostianu, V.M. Cascade Method of Synthesizing Contact Circuits Equipped With Step Switches 122

The author discusses a method of synthesizing (1,k)-terminal networks with step switches, which is a generalization of the cascade method proposed by G.N. Povarov for synthesizing relay-contact(1,k)-terminal networks. Following G.N. Povarov, the author terms "cascade" connections those connections in which each output of the first multiterminal network is connected to one and only one input of the second multiterminal network. He presents an example of such synthesis. There are 8 references: 7 Soviet and 1 English.

Povarov, G.N. Cascade Method of Synthesizing Symmetrical Contact Circuits 127

The author presents a graphical variant of the cascade method, specially adapted for synthesizing symmetrical and related (1,k)-terminal networks. He considers the graphical method to be a much simpler one for engineering purposes than the analytical method, as applied to (1,k) terminal networks. He suggests its use for the synthesis of quasi-symmetrical contact circuits and contact circuits having one input and one or several outputs. There are 9 references: 7 Soviet, 1 Czech and 1 English.

Silayev, V.N. Remote Control System for Dispersed Objects 133

The author attempts to find a solution for a remote control system which would be simple in structure, use a small number of wires, with the smallest possible amount of relay equipment at each control point, a sufficiently large radius of action, and be flexible and reliable in operation. He discusses several methods used and concludes that application of the principle of "distributive selection" with a dispersed switch gives satisfactory results, as demonstrated in laboratory tests over a four-month period. There are 3 Soviet references. No personalities are mentioned

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

S/044/62/000/012/043/049
A060/A000

AUTHOR: Ostianu, V. M.

TITLE: On a class of calculating networks

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1962, 48, abstract 12V276 (Bull. math. Soc. sci. math. et phys. RPR, 1958, v. 2, no. 3, 319 - 328)

TEXT: The problem of transmission of discrete signals with error correction is considered. For certain methods of coding relay-contact networks are constructed which correct single errors.

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

AUTHOR: Ostianu, V.M. SOV-26-58-3-33/51

TITLE: The Theory of Devices with Relay Operation (Teoriya ustroystv releynogo deystviya)

PERIODICAL: Priroda, 1958, Nr 3, pp 110-111 (USSR)

ABSTRACT: The Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics of the AS USSR) convened an All-Union meeting in Moscow in October 1957 to discuss the present situation and the further development of the theory of relay circuits. The meeting was attended by over 300 delegates of scientific research organizations, plant laboratories and enterprises. Member of the Rumanian AS, Gr.K. Moisil, Corresponding Member of the Hungarian AS, L. Kal'mar, Scientific Assistant of the Institut matematicheskikh mashin (Institute of Mathematical Machines) of the Czech AS, F. Svoboda, and other scientists were invited. A total of 38 papers were delivered at the meeting. Doctor of Technical Sciences, Professor M.A. Gavrilov reported at "The Present Condition and the Basic Directions of Development of the Theory of Devices With Relay Operation". Doctor of Physico-Mathematical Sciences, Professor S.A. Yanovskaya "On Mathematical Logics and its Technical Applications".

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The Theory of Devices with Relay Operation SOV-26-59-3-33/51

Academician Gr.K. Moisil, on "The Development of the Theory of Relay-Contact Schemes in the Rumanian People's Republic". Together with the meeting, literature on the theory of relay circuits and such exhibits as a machine with a capacity of 20 relays, which can analize projected as well as already finished relay circuits, a matrix analyzer of relay-contact circuits, a machine for the synthesis of relay devices, an automatic telephone exchange for 100 subscribers' numbers and models of an itinerary indicator for subway stations were on display.

ASSOCIATION: Institut avtomatiki i telemekhaniki AN SSSR-Moskva (Institute of Automation and Telemechanics of the AS USSR-Moscow)

1. Electric relays--Theory

Card 2/2

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MOSKATOV, G.K.; OSTIANU, V.M.

All-Union conference on the theory of relays. Avtom. i telem. 19 no.9:896-900 S '58. (MIRA 11:10)
(Electric relays--Congresses)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

[illegible]

AUTHOR: [illegible]stianu [illegible]

TITLE: Problems in the Theory of Relay Devices [illegible] 3[illegible]-1-3[illegible]/[illegible]

[illegible] relay [illegible] (Moscow [illegible]ystvlya). Problemy

All-Union Conference in [illegible] (v[illegible] soveshchaniye v [illegible]).

PERIODICAL: Vestnik [illegible], [illegible], pp. 131-132 ([illegible]).

ABSTRACT: The [illegible] Automation and [illegible] Control AN-USSR [illegible] a Conference [illegible] from October 3 to October 9 19[illegible]. The following problems [illegible] the Agenda: Synthesis, analysis, reconstruction of the relay structure and effect, the best construction and structure, [illegible] analytical processes, etc. The council was attended by representatives of scientific institutions and industrial firms, as well as by [illegible] from other countries. The following reports were made:

1) A. [illegible] the importance of the part played by relay devices [illegible] the finishing process.
2) [illegible] characterized the present stage and the main trends of the development of these devices, and said that with respect to works [illegible], the USA and the USSR ranged first, [illegible] Peoples' Republic ranged third.
3) [illegible] the characteristic features of the

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Problems in the Theory of Relay Devices.
All-Union Conference in Moscow

[illegible] well as the fields [illegible] their [illegible]

4) [illegible], Regular [illegible] the Roumanian Academy, stressed [illegible] scientists [illegible] in his country.

5) [illegible] inversion of complicated [illegible]

[illegible] report on certain [illegible]

7) [illegible] logical functions.

8) [illegible] improved representation [illegible]

[illegible] possibility of constructing [illegible] raic [illegible] functions.

[illegible] of the existing [illegible] new [illegible]

11) [illegible] Maistrova. [illegible] application of non-equivalent [illegible]

12) [illegible] thesis of relay [illegible] was [illegible]

13) [illegible] of constructing bridge cir-

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Problems in the Theory of Relay Devices.
All-Union Conference in Moscow.

30-1-36/39

14) P. K[illegible] (Roumania): On the method of constructing multipole contacts.
15) V. N. Roginskiy: On the graphic method of constructing (I,K)-poles.
16) A. D. Kharkevich: On the application of the methods of probability diagrams.
17) V. I. Shestakov: On the algebraic method of analysis and synthesis.
18) Ya. I. Mekler: On the graphic method of the construction of relay contact schemes.
19) V. S. Lazarev: On the method of determining the minimum relay number.
20) L. Nedelk[illegible] (Roumania): On electronic circuits with relay effect. [illegible]
21) L. Kalmar, Corresponding Member of the Hungarian Academy of Science: On the logical Seged machine.
22) F. [illegible] (Czechoslovakia): On the working principle of a machine for the synthesis of contact circuits.
23) A. [illegible] Arkhangel[illegible]kaya: On a machine for the synthesis of contact [illegible].

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

Problems in the Theory of Relay Devices. [illegible]
All-Union Conference in Moscow.

[illegible]

2.) [illegible]. On problems concerning the automation of the analysis of relay schemes.

[illegible]

The [illegible] the field of the theory of devices with relay effects [illegible] investigated is described as insufficient. In connection with [illegible] an exhibition of devices and publications dealing with this field was organized.

AVAILABLE: Library of Congress.

1. Automation-Conference 2. Scientific reports-USSR

Card 4/.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

9(3)

AUTHORS: Gavrilov, M. A., Ostianu, V. M., SOV/20-123-6-12/53
Rodin, V. N., Timofeyev, B. L.

TITLE: The Realization of Discrete Schemes of Correctors
(Realizatsiya skhem diskretnykh korrektorov)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 6, pp 1025-1028
(USSR)

ABSTRACT: Correctors most efficiently can be put into practice in a class of one-period schemes. The schemes of discrete correctors which belong to the class of conversion schemes have some special features. The present paper deals with these peculiarities and also with the realization of one of the corrector types on contact relays, crystal elements, and hysteresis elements. The construction of a corrector on the basis of an electromechanical relay can be reduced to the construction of a (1,n) pole which puts into practice the obtained functions of the effect upon the n executive elements. (n denotes the number of the discharges in the binary representation of the signal) Formulae are given for the properties of these functions. The problem of the construction of correctors on the basis of electronic or crystal elements can be reduced to the construction of a system of valves

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The Realization of Discrete Schemes of Correctors SOV/20-[illegible]

(ventil'naya set') connected to triggers which fix the [illegible] signal. The sequence of the operations necessary for this construction is discussed. The last part of this paper deal with correctors which are constructed on the basis of hysteresis elements with rectangular loops. There are 1 figure and 8 references, 5 of which are Soviet.

ASSOCIATION: Institut avtomatiki i telemekhaniki Akademii nauk SSSR (Institute of Automation and Telemechanics of the Academy of Sciences, USSR)

PRESENTED: July 17, 1958, by V. S. Kulebakin, Academician

SUBMITTED: July 17, 1958

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

Estimy VM.

PHASE I BOOK EXPLOITATION SOV/3781

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki

Promyshlennaya telemekhanika (Industrial Telemechanics) Moscow, 1960. 284 p. Errata slip inserted. 4,000 copies printed.

Resp. Ed.: M.A. Gavrilov; Ed. of Publishing House: Ye.N. Grigor'yev; Tech. Ed.: N.G. Shevchenko.

PURPOSE: This collection of articles is intended for scientific workers and engineers in the field of telemechanics.

COVERAGE: The book contains studies completed in 1957 by the workers of the Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics, Academy of Sciences USSR). They include telemechanic equipment, particularly contactless systems and systems for distributed equipment, the design of telemechanic signal systems, problems of bridge minimizing in relay circuitry, and methods of synthesizing relay circuitry using contactless components. No personalities are mentioned. Most of the articles are accompanied by references.

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Industrial Telemechanics SOV/3781

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AVAILABLE: Library of Congress (TJ 213.A325)

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

S/103/60/021/05/02/013
B007/B011

AUTHOR: Ostianu, V. M. (Moscow)

TITLE: Circuits of Correctors of Binary Signals

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol 21, No 5, pp. 615 - 623

TEXT: One of the methods of securing the right transmission of discrete signals uses a corrector that can be connected to an arbitrary point of the transmission channel. The correctors are assumed here to be provided with diodes and relay contact elements. Among the known methods of setting up signal systems and of carrying out the correction of errors (Refs. 4, 5, 6, 7) only three are discussed here: (1) the method by M. A. Gavrilov for the correction of signals. This one is convenient as it can be used for the correction of an arbitrary number of errors; (2) the method by R. W. Hamming (Ref. 6) for the setup and correction of signals; (3) the method by R. R. Varshamov for the setup and correction of signals. By this method, the quantity of working signals N is set up in such a way that the elements of this quantity

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form an additive group with respect to the addition in coordinates according to modulus 2 (the sign "+" is understood as such). Varshamov (Refs. 4, 5) worked out a method of setting up such a quantity N with an arbitrary given code distance D. This method is briefly described here, and an example is added. R. R. Varshamov (Ref. 5) also worked out a method for the correction d of errors, namely, for the case of the system of working signals having a code distance $D = 2d + 1$. The method for the correction of an individual error, i. e., for the case $D = 3$, is described and illustrated by an example. The second part of the paper deals with the synthesis of correctors. The structure of the corrector is determined for each of the above-mentioned methods of error correction. The corrector circuits are relay devices, at the inputs of which distorted or undistorted signals from the constructed system of the working signals are given. Only undistorted signals, however, occur at the output (the distorted ones are adjusted by the corrector). It is important in this connection for the number of distortions in the signals to be in agreement with the code distance.

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Circuit of Correctors of Binary Signals

S/10./60/021/09/08/013
B007/B011

It is shown that the corrector circuits can be equalized, although the sequence of operations carried out by them differs. This statement holds for arbitrary n and d. d is the distortion, n is the signal length. The accuracy of this statement is illustrated by the example n = 5 and d = 1, namely, correctors are set up by these three methods mentioned. Formulas for the construction of circuits for correctors are derived, and the circuits themselves are constructed. There are 4 figures, 3 tables, and 9 references: 7 Soviet and 2 English.

SUBMITTED: January 8, 1959

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

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AUTHOR:

TITLE: The D [illegible] f Self [illegible] N [illegible], Codes and the [illegible] S [illegible] Th [illegible]

PERIODICAL: D [illegible], A [illegible] SSSR [illegible]

TEXT: Th [illegible] b [illegible] t [illegible] f [illegible] b [illegible] t [illegible] [illegible] [illegible]

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

87403

S/020/60/135/006/019/03
B019/B056

The Design of Self-Correcting Non-binary Codes and the Estimate of the Number of Signals in Them

$\rho(a', a'') = \sum_{i=1}^{n} \gamma_i$, where $\gamma_i = \begin{cases} \\ \text{if } a'_i \neq a''_i \end{cases}$

Basing upon results obtained in previous papers, the author attempts to find out under what conditions a certain set of signals with a minimum distance may be separated from $G_{n,t}$. The linear coding method consists essentially in finding the linearly independent elements of $G_{n,t}$ [illegible] the basis of $G_{n,t}$. With the help of definitions obtained from previous papers, the number of code signals is estimated. The author thanks Professor M. A. Gavrilov for his interest, and R. R. Varshamov for valuable advice. There are 6 references: 4 Soviet and 2 US.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

3R737
S/194/62/000/005/031/157
D222/D309

6.9500

AUTHOR: Ostianu, V.M.

TITLE: The construction of non-binary, error-correcting codes and the estimation of the number of signals

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-2-119 E (V sb. Probl. peredachi informatsii, no. 10, M., AN SSSR, 1961, 42-48)

TEXT: Linear, non-binary, error-correcting codes are examined together with a method of construction and the estimation of the number of signals in these codes. The results obtained are a development and generalization of the work of R.R. Varshamov (Dokl. AN SSSR 1957, 117, no. 5, 739). The class of B^n sequences of the kind $a = a_1, a_2, \ldots, a_n$, where each a_i takes its value from the residue classes modulo B, is an additive Abelian group $G_{n,B}$. The subgroup Δ_n produced similarly, is the set of code combinations. A number of lemmas and theorems are proved for such codes, in particular the

Card (1/2)

$$\sum_{i=0}^{i=C} C_n^i (p-1)^i$$

where d is the number of errors corrected and is equal to (D-1)/2. For the specific case of a code with a prime base, correcting a single error, $n+[-\log_p(1+(n-1)(p-1))]$. 6 references. [Abstracter's note: Complete translation].

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001

Card 2/2

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

VARSHAMOV, R. R. and OSTIANU, V. M.

"Application of finite fields to synthesis of reliable switching structures"

report submitted for the Intl. Symposium on Relay Systems and Finite Automata Theory (IFAC), Moscow, 24 Sep-2 Oct 1962.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

MOISIL, Gr. K.[Moisil, Gr.G.], akademik; OSTIANU, V.M.[translator]; SHESTAKOV, V., red.; SAGALOVICH, Yu.L., red.; POTAPENKOVA, Ye.S., tekhn. red.

[Algebraic theory of discrete automatic mechanisms] Algebraicheskaia teoriia diskretnykh avtomaticheskikh ustroistv. Pod red. V.I.Shestakova. Moskva, Izd-vo inostr. lit-ry, 1963. 680 p. Translated from the Rumanian. (MIRA 16:7)
(Electronic computers)
(Logic, Symbolic and mathematical)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

ACCESSION NR: AT4031773 [illegible] 000/63/000/000/0226/023[illegible]

[illegible] V. M.

[illegible]

[illegible] structural [illegible]

[illegible] code, nonsymmetric [illegible] code distance, linear code, binary code

ABSTRACT: The author first considers a class of non binary codes with metrics determined by the ratio

$$\varrho(\alpha, \beta) = \sum_{i=1}^{n} \varrho(\alpha_i, \beta_i) \qquad (1)$$

where α and β are code words, and

$$\varrho(\alpha_i, \beta_i) = \begin{cases} \min\{(\alpha_i - \beta_i), (b - \alpha_i + \beta_i)\}, & \text{if } \alpha_i \geqslant \beta_i \\ \min\{(\beta_i - \alpha_i), (b - \beta_i + \alpha_i)\}, & \text{if } \beta_i > \alpha_i \end{cases} \qquad (2)$$

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[illegible]

$$b^h > 1 + \sum_{s=1}^{d} \sum_{k=1}^{t_2} \sum_{i=0;\ \sigma_2^{(i)}(0)\neq 0} (-1)^{s+k} 2^h C_{s-i+k-i} \qquad (5)$$

In this case the solution appears as

$$b^h > 1 + \sum_{s=1}^{d} \sum_{k=1}^{t_2} \sum_{i=0;\ \sigma_2^{(i)}(0)\neq 0} (-1)^{s+k} 2^h C_{s-i+k-i} \qquad (5)$$

If $t_1 = t_2 = \ldots = t_k = t$, the two formulas coincide. In a further development of the subject, the code base b is assumed to be an even number, in which case any letter of the transmitted word may undergo not more than a $(\frac{b}{2} - 1)$-multiple distortion of one type, and not more than a $\frac{b}{2}$ multiple distortion of the other type. Then the number of verification

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ACCESSION NR: AT4031773

symbols h in a code capable of correcting d-multiple distortions must satisfy the inequality $b^h \geq R_2 + 1$, where R_2 is the number of code words which the transmitted message may assume with all possible distortions by not more than d-multiple errors. The solution

$$b^h \geq 2n + 1, \tag{6}$$

is in agreement with the estimate of W. Ulrich (Non-binary error-correcting codes. BSTY, V. XXXVI, no. 6, p. 1341-1389, 1957). In the concluding section of the article, the maximal value of the code distance D is determined with N, n and b given. The solution is given in the form

$$D < n\frac{N^2 b^2}{8N(N-1)} - n\frac{Nb}{4(N-1)}. \tag{7}$$

Orig. art. has: 2 figures and 8 numbered formulas.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ACCESSION NR: AT4031777

ASSOCIATION:

SUBMITTED: [illegible] DATE ACQ: 16Apr64 ENCL:

SUB CODE: [illegible] NO REF SOV: 005 OTHER:

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ACC NR: AT6030871 SOURCE CODE: UR/0000/66/000/000/0176/0188

AUTHOR: Krishtal', V. Z.; Ostianu, V. M.

ORG: none

TITLE: Synthesis of relay systems which are insensitive to component defects and distortions of the input excitations

SOURCE: Moscow. Institut avtomatiki i telemekhaniki. Abstraktnaya i strukturnaya teoriya releynykh ustroystv (Abstract and structural theory of relay devices). Moscow, Izd-vo Nauka, 1966, 176-188

TOPIC TAGS: system reliability, statistic method, boolean algebra, boolean function, mathematic analysis

ABSTRACT: It is assumed that the relay system is insensitive to d failures of a certain type, if for r failures of the type $(0 \leq r \leq d)$ the system realizes a given algorithm accurately and that there will be at least one $(d+1)^{th}$ failure of the same type which will cause the system to realize incorrectly the same algorithm. The failure of two state system elements may be defined as $1 \rightarrow 0$, or $0 \rightarrow 1$. The failure of the system is defined as an incorrect realization of the value of the variable. It is further assumed that the distortion of the input signals and the failures of the components are independent and that failures of a given type have identical probability

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ACC NR: AT6030871

of occurrence. The failure is said to be symmetrical if the probability of $1 \rightarrow 0$ is equal to the probability of $0 \rightarrow 1$, and nonsymmetrical if the converse is true. The terms d-stable system, and (d_0,d_1)-stable system are defined as describing systems insensitive to d symmetrical failures, and those insensitive to d_0 and d_1 nonsymmetrical failures respectively ($d_0 + d_1 = d$). The following cases are considered: Synthesis of d-stable relay systems for reliable (distortion-free) input signals. Synthesis of (d_0,d_1)-stable relay systems for reliable input signals. Realization of redundant configurations in minimal disjunct normal form and minimal parenthetic form for the case of symmetrical failures. Relization of noncontact d-stable relay systems. Synthesis of d-stable relay systems with distorted input signals. Each case is analyzed and a mathematical expression defining the desired system is synthesized. Boolean functions are used. Orig. art. has: 4 figures, 7 formulas.

SUB CODE: 09,12/ SUBM DATE: 06Jun66/ ORIG REF: 007/ OTH REF: 001

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTINSKIY, A.P.

Conference on design of convection heat-transfer surfaces in boilers fired with fuels high in sulfur. Teploenergetika 5 no.4:91-92 Ap '58. (Boilers) (MIRA 11:5)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTINSKIY, A.I.

AUTHOR: Ostinskiy, A.I.

TITLE: A conference on [illegible] construction of [illegible] boilers operating [illegible] sulphurous fuels. (Sov[illegible] po konstruktsiyam khvostovykh [illegible] rabot [illegible] na [illegible]).

PERIODICAL: Teploenergetika, 1[illegible], [illegible]

ABSTRACT: A scientific-technical conference [illegible] of new types of tail surfaces [illegible] sulphurous fuels [illegible] Division of NTOEI [illegible] October, 1957. [illegible] conference [illegible] represent [illegible] of [illegible] All-Union [illegible] Institute, [illegible] Eastern Branch of [illegible] All-Union Thermo-Technical Institute, the Central Boiler [illegible] Institute, OPTRMS and [illegible] Boiler Work [illegible] reports [illegible] cut investigations of [illegible] corrosion protection, and the development of [illegible] tail surfaces for boilers.

Dr. Te[illegible] Sc. N. V. Kuznetsov reports [illegible] All-Union Thermo-Technical Institute [illegible] of boiler heating-surfaces [illegible] Engineer of Permenergo, I. F. Kochunov, [illegible]

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123[illegible]

A conference on the construction of the [illegible] surf[illegible] operating on sulphurous fuels.

successful experience with cast-iron [illegible] with enamel protection on steel tubes. [illegible] of Mosenergo, Engineer Polyanin, [illegible] elements. Engineer Mazel' of [illegible] successful use of chemical additives to [illegible] and wear of tubes when burning Bashkiri[illegible] Engineer V. V. Kan[illegible]skiy of Ler[illegible] discu[illegible] of enamelling water-heater tubes and the [illegible] corrosion of different sorts of enamel.

[illegible] A. P[illegible] of [illegible] All-Union Ther[illegible] [illegible] Electr[illegible] [illegible] Sc. I. I. Varavitskiy of [illegible] All-[illegible] Technical [illegible] [illegible] Kizel[illegible] [illegible] Dr. [illegible] Kuznetsov [illegible] All-[illegible] [illegible] Institute, Engineer Lin[illegible] [illegible]

Card 2/[illegible] [illegible]

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[illegible]

A conf[illegible] operati[illegible]

[illegible] Thermo-Technical I[illegible] [illegible] successful experience of the [illegible] fuel oil. Future plans for [illegible] of [illegible] Conference [illegible] All-Un[illegible] Thermo-Technical I[illegible] for [illegible] of boiler [illegible] removal equipment.

AVAILABLE: Library of Congress.

Card 3/3

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MALYSHEVA, Natal'ya Vladimirovna; NAUMOV, Boris Konstantinovich; OSTINSKIY, Alekseey Yakovlevich; YARTSEV, G.Ye., otv.red.; LEYBOV, M.K., red.; KARABILOVA, S.F., tekhn.red.

[Direct system of automatization and operation of long-distance telephone communications] Nemedlennaia sistema ekspluatatsii i avtomatizatsiia mezhdogorodnoi telefonnoi sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1958. 53 p. (MIRA 12:3)

1.Zamestitel' nachal'nika TSentral'noy mezhdygorodnoy telefonnoy stantsii (for Malysheva). 2. Glavnyy inzhener Rizhskoy mezhdugorodnoy telefonnoy stantsii (for Naumov). 3. Glavnyy inzhener Leningradskoy mezhdugorodnoy telefonnoy stantsii (for Ostinskiy).
(Telephone)

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OSTISTYY, B.K.

Distinguishing zones of the increased tectonic jointing of rocks. Geol. i geofiz. no.2:146-149 '65. (MIRA 18:9)

1. Sakhalinskoye otdeleniye Vsesoyuznogo neftyanogo nauchno-issledovatel'skogo geologorazvedochnogo instituta, g. Okha-na-Sakhaline.

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OSTISTYY, B.K.

Some regularities in the alteration of reservoir properties of rocks in the main oil-bearing formation in northeastern Sakhalin (Okobykay series). Geol. nefti. i gaza 9 no.7: 30-33 Je '65. (MIRA 18:1)

1. Sibirskoye otdeleniye Vsesoyuznogo neftyanogo nauchno-issledovatel'skogo geologorazvedochnogo instituta.

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LI GA-YEN; OSTINSKIY, G.M.; SODNOM, N.; GOVOROV, A.M.; SIZOV, I.V.; SALATSKIY, V.I.

Investigation of the $He^3 + H^3$ reaction. Zhur. eksp. i teor. fiz. 39 no.2:225-229 Ag '60. (MIRA 13:9)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Nuclear reactions)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OSTISTYY, B.K.

Bituminosity of Lower and Middle Miocene sediments in the Nevel'sk region of southern Sakhalin. Trudy VNIGRI no.224:53-58 '63.

Possible types of reservoir rocks in the Miocene sediments of the Kril'on tectonic zone in southern Sakhalin. Ibid.:76-80 (MIRA 17:3)

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BELOKON', M.Ye.; INOZEMTSEV, G.B.; KOZYRINA, A.P.; VOZNYUK, V.S.; OSTIYAN, Z.Yu.; KOZUB, M.M.; MAN'KO, Ya.V.

Electric apparatus for chair varnishing. Der. prom. 12 no.9: 11-12 S '63. (MIRA 16:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny (for Belokon', Inozemtsev, Kozyrina, Voznyuk).
2. Irshavskiy mebel'nyy kombinat (for Ostiyan, Kozub, Man'ko).

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