TOPALOV, I.B.; GOSPODINOV, G.I. (Sofiya, Bolgariya)

Experimental and clinical radiography of the pleural sinuses.
Khirurgiia no.10:107-110 '64.
(MIRA 18:8)

DESHPANDE, S.D.; VELISHEV, A.A. [translator]; GOSPODINOV, G.V. [translator]; FEDORENKO, M.K., redaktor; D'YAKOV, A.M., redaktor; RYABCHIKOV, A.M., redaktor; DUNIN, M.S., redaktor; LEBEDEV, V.D., redaktor; SPIDCHENKO, K.I., redaktor; GERASIMOVA, Ye.S., tekhnicheskiy redaktor

[Western India; a regional geography. Abridged translation from the English] Zapadnaia Indiia; geograficheskii obzor. Sokrashchennyi perevod s angliiskogo A.A.Velizheva i G.V.Gospodinova. Pod red. M.K. Fedorenko. Moskva, Izd-vo inostrannoi lit-ry, 1956. 261 p. (MLRA 9:11)
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GOSPODINOV, G.V. Cand Geog Sci -- (diss) "Course 'Aerial Photographic Method of Geographic ~~Examinations~~ Explorations'." For geographic faculty of State universities (~~Planning~~ Development and organization of course) Mos, 1958, 18 pp(Mos Order of Lenin State Univ im M.V. Lomonosov. Geography Faculty)(~~number of copies not indicated~~) (KL, 21-58, 88)

GAL'PERIN, G.L.; GOSPODINOV, G.V., red.; LEPESHINSKAYA, Ye.V., red.;
AKHLAMOV, S.N., tekhn.red.

[English-Russian dictionary on cartography, geodesy, and aerial photogrammetry] Anglo-russkii slovar' po kartografii, geodezii i aerofototopografii. Red. G.V.Gospodinov. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1958. 546 p. (MIRA 12:5)
(English language--Dictionaries--Russian)
(Cartography--Dictionaries) (Geodesy--Dictionaries)
(Aerial photogrammetry--Dictionaries)

GOSPODINOV, Georgiy Valentinovich; IL'INSKIY, N.D., nauchnyy red.; PETROVA, K.A., red. izd-va; YEMAKOV, M.S., tekhn. red.

[Interpretation of aerial photographs] Deshifrirovanie aerosnimkov. Moskva, Izd-vo Mosk. univ., 1961. 184 p. (MIRA 15:1)

(Photography, Aerial)

GOSPODINOV, G.V.; ZHUKOV, N.G.; MALAKHOVA, G.A.; SOROKIN, V.N.

[Handbook of practical assignments in surveying]Rukovodstvo k prakticheskim zaniatiiam po geodezii; kameral'nye raboty. Moskva, Mosk. gos.univ. im. M.V.Lomonosova, 1962. 118 p. (MIRA 15:11)

(Cartography) (Surveying)

GOSPODINOV, P. ; UZUNOV, P.

New OV-10 grain-separator machine and the results from testing it.

P. 20, (Mashinizirano Zemedelie) Vol. 8, no, Apr. 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, 11 November 1957

GOSPODINOV, P.; [redacted]

AGRICULTURE

Periodical KOOPERATIVNO ZEMEDELIE. NO. 10, Oct. 1958.

GOSPODINOV, P.; VASILEV, K. MKS-1.5 threshing machine for hemp. p. 32.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

GOSPODINOV, R.

Correct utilization of means of transportation on cooperative farms. p.5.
KOOPERATIVNO ZEMEDELIE, Sofyia, Vol. 11, no. 3, Mar. 1956.

SO: Monthly List of East European Accessions, (EEAK), LC, Vol. 5, No. 6 June 1956, Uncl.

GOSPODINOV, R.; KOTEV, G.

GOSPODINOV, R.; KOTEV, G. Automobile trucks for gathering the crops on ccoperative farms. p. 16

Vol. 11, no. 5, May 1956
KOOPERATIVNO ZEMEDELIE
AGRICULTURE
Sofiia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

GOSPODINOV, R.; KOTEV, G.

Planning the automobile transportation work on the cooperative farms. p.5. KOOPERATIVNO ZEMEDELIE. (Ministerstvo no zemedelieto) Sofiia. Vol. 11, no. 6, June 1956

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 5, no. 12, December 1956

GOSPODINOV, R.

"Rendering t e account for the automobile transportation on the cooperative farm."

p. 183 (Otchetnost I Kontrol Na Selskoto Stopanstvo, Vol. 3, No. 5, 1958, Sofia, Bulgaria).

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec. 58.

BULGARIA

VASKOV, L., GOSPODINOVA, D., Research Institute of Radiology and Radiational Hygiene, Sofia

"Studies of Spermograms of Persons Professionally Exposed to Ionizing Hazards"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 4, 1966, pp 325-328

Abstract: [English article] Injuries to the gonads as a result of the long-term effect of relatively low doses of ionizing radiation are the subject of wide discussions in radiobiology. The purpose of the present work was to establish whether there appear any changes in the spermogram of persons with long-term occupational exposure to ionizing radiations and, if so, to study their character and extent. A total of 104 men ranging in age from 20 to 43 years were dividid into two groups, 1) an experimental group of 53 men, who have been working with ionizing radiation for 8.93 years on the average (min. 3 years) They were subjected to gamma and X-ray irradiation and only rarely to slight beta irradiation. The doses did not exceed the maximum permissible ones; 2) the control group consisted of 51 clinically healthy men, not exposed to ionizing radiation. Results show that 1) a statistically significant reduction in the percentage of mobile spermatozoa has been established in spermograms of persons with long-term exposure to ionizing radiation hazards; 2) after revival tests the total number of mobile spermatozoa in these persons is also reduced

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BULGARIA

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 4, 1966, pp 325-328

In comparison with control persons, 2) these changes are particularly pronounced in persons with irradiation depression of hematopoiesis. There are 8 Soviet and 8 Western references. (Manuscript received, 6 Jan 66.)

2/2

ZHILINSKIY, Ye.S., zasluzhennyy vrach RSFSR; EYDEL'SHTEYN, S.I., kand.

GOSPODINOVA, V.

Biochemical indexes of the lipide and protein metabolism in a healthy adult population. Izv Inst khranene BAN 3:5-26 '64.

V GOSPODINOVA

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Biological Chemistry

Clinico-experimental studies on the carbohydrate metabolism in Basedow disease. T. Tashev, V. Gospodinova, and M. Zografski. *Annuaire Acad. Med. "Valko Tchervenkow"* 30, 505–36 (1950–51) (English summary).—Carbohydrate metabolism (I) was studied in 50 patients whose blood-sugar content ranged from 90 to 220 mg. %. The results of tolerence tests with 50 g. glucose gave 4 different types of blood-sugar curves; normal, resorptive, diabetic, and neurovegetative. After treatment, 54% of the patients showed no change in blood-sugar level (II), while in 40% the increase in II was accompanied with a fall in basal metabolism. It seems that during treatment thyroxine synthesis was blocked thereby increasing the thyrotropic intoxication and disturbance of I. Pathogenetically all cases were grouped into thyroxinemic (having normal tolerance curves), thyrotropic, and combined form of Basedow's disease. These groupings were substantiated by the exptl. results. Several rats were subjected to different doses of thyroid ext. or synthetic thyroxine; the controls gained wt. and increased the glycogen content of their livers while the intoxicated rats lost wt. and decreased their glycogen reserves. The blood-sugar level in all rats was unchanged. The Cori-Brand method was used for the detn. of sugar. G. Meruvia

TASHEV, T. A., prof.; LOZENOV, St.; GOSPODINOVA, V.

Water metabolism in Basedow's disease. Nauch. tr. ISUL, Sofia 2 no. 1:179-209 1953.

1. Fakultetska terapevtichna klinika pri med. akademiia v chervenkov - Sofia Direktor: prof. K. Chilov.

(WATER, metabolism, in hyperthyroidism.)
(HYPERTHYROIDISM, metabolism in, water.)

GOSPODINOVA, V.

LAMBREV, St.; POPIVANOV, S.; GOSPODINOVA, V.

Early diagnosis of prostatic cancer. Suvrem. med., Sofia 5 no.4: 42-50 1954.

1. Iz Fakultetskata khirurgichna klinika (zav. klinikata: dots. G.Popov) i Katedrata po fakultetska terapiia (zav. katedrata: prof. K. Chilov) pri Meditsinskata akademiia V.Chervenkov, Sofiia.
(PROSTATE, neoplasms, diag., early)

GOSPODINOVA, V.

CHOBANOVA, D., med. lek., mil. nauch. sutrudnik pri BAN; GOSPODINOVA, V., d-r, neshchaten sutrudnik na BAN

Treatment of peptic ulcer with succus liquiritiae. Izv. med. inst., Sofia Vol. 9-10:457-464 1954.

1. Sektsiia za Vutreshni Bolesti (Zav.: chl.-kor. K.Chilov na Instituta za Klinichna i Obshchestvena Meditsina pri BAN i Fakultetska Terapevtichna Klinika (dir.: chl.-kor. K.Chilov) na Meditsinskata Akademiia V.Chervenkov.

(LICORICE, therapeutic use,
peptic ulcer)
(PEPTIC ULCER, therapy,
licorice)

GOSPODINOVA, V.

BULGARIA/Chemical Technology, Chemical Products and Their Application, Part 3. - Drugs, Vitamins, Antibiotics. H-17

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33517.

Author : V. Gospodinova
Inst : Not given.
Title : Penicillin and Its New Medicinal Forms.

Orig Pub: Priroda (Sofia), 1955, 4, No 4, 37-41.

Abstract: No abstract.

Card : 1/1

13

CHILOV, Konstantin, chl.koresp.GOSPODINOVA, Vera, d-r.

Significance of serum iron in hepatitis. Izv.med.inst.,Sofia. 11-12:89-102 1955.

1. Sektsiia za vutreshni bolesti(zav.:Chl.kor.Konstantin Chilov na Instituta za klinichna i obshchestvena meditsina (dir.:Akad. Tsvetan Kristanov) pri BAN i Klinika po fakultetska terapiia pri Visshiia meditsinski institut V. Chervenkov.

(HEPATITIS, blood in, iron)
(IRON, in blood in hepatitis)
(BLOOD, iron, in hepatitis)

GOSPODINOVA, Vera d-r.

Determination of neutral 17-ketosteroids, Izv.med.inst.,Sofia 11-12:207-226 1955.

1. Klinika po fakultetska terapiia (zav.Prof. K. Chilov) pri visshiia meditsinski institut V. Chervenkov-Sofiia

(URINE,
17-ketosteroids, determ.)
(STEROIDS, in urine,
17-keto,determ.)

CHILOV, Konst.; GOSPODINOVA, Vera, D-r.

Several tests of colloidal stability & their practical importance. Izv. Mikrob. inst., Sofia no.8:3-27 1957.

1. Sektsiia butreshni bolesti (zab.: Chl.-kor. prof. Konst. Chilov na instituta za klinichna i obshchestvena meditsina (dir.: akad. Tsv. Kristanov) pri ban.

(LIVER FUNCTION TESTS,
colloidal stability tests (Bul))

CHILOV, Konst., Prof.; GOSPODINOVA, Vera, D-r.

Drug fluctuations of ketosteroid patterns; practical importance. Izv. Mikrob. inst., Sofia no.8:29-60 1957.

1. Sektsiia za butreshnibolesti (zav.:Chl.-kor. prof. Konst. Chilov na instituta za klinichna i obshchestvena meditsina (dir.:akad. tsv kristanov) pri ban.

(17-KETOSTEROIDS, in urine
eff. of various drugs (Bul))

TASHEV, Tasho, prof.; GOSPODINOVA, VERA M.

Nutrition and some indexes of protein and lipide metabolism in patients with arteriosclerosis. Izv Inst khranene 2:61-81 '63.

1. Chl.-kor. na Bulgarskata akademiia na naukite, chlen na Redaksionnata kolegiia i otgovoren redaktor, "Izvestiia na Instituta po khranene" (for Tashev).
2. Chlen i sekretar na Redaktsionnata kolegiia, "Izvestiia na Instituta po khranene" (for Gospodinova).

GOSPODINOVA, V.

Indicanuria in an age group between 3 and 18 years old connected with nutrition during various seasons. Izv Inst khranene 2:127-131 '63.

Level of cholesterol in the blood of children between 7 and 12 years old. Ibid.:133-142.

1. Chlen i sekretar na Redaktsionnata kolegiia, "Izvestiia na Instituta po khranene".

GOSPODINOVA, Vera M., d-r, st. n. sutr.

Nutrition and aging. Priroda Bulg 12 no. 5: 24-27 S-O '63.

1. Bulgarska akademiia na naukite.

SHUBAROV, K.; IVANOV, Em.; KEREKOVSKI, Iv.; GOSPODINOVA, V.

Normal values of beta-lipoproteins. Suvr. med. (Sofiia) 16 no.10:607-611 '65.

1. I infektsiozna bolnitsa, Sofiia (gl. lekar d-r A. Selektar); Institut po khranene (direktor - prof. T. Tashev), Bolgarska akademiia na naukite; Katedra po detski bolesti (rukovoditel - prof. Br. Bratanov) Institut z spetsiializatsiia i usuvurshenstvuvane na lekarite, Sofiia.

GOSPODINOVA-MAKEDONSKA, D.; CHUKOVA-BOZHINOVA, T.

Treatment of multiple sclerosis with rimifon. Suvrem. med., Sofia 9 no.9: 61-70 1958.

1. Iz katedrata po nevrologiia pri VMI—Sofiia (Zav. katedrata: dots. S. Boshinov).

(MULTIPLE SCLEROSIS, ther.
isoniazid (Bul))
(ISONIAZID, ther. use
multiple sclerosis (Bul))

GOSPODINOVA-MAKEDONSKA, D.; CHUKOVA-BOZHINOVA, T.

Remote neurological complications in treated tuberculous meningitis. Suvrem med., Sofia no.12:35-41 '60.

1. Iz Katedrata po nervni bolesti pri VMI, Sofia (Rukovoditel na katedrata prof. S.Bozhinov)

(TUBERCULOSIS MENINGEAL compl)
(NEUROLOGICAL MANIFESTATIONS)

GOSPODINOVA-MAKEDONSKA, D.; CHUKOVA-BOZHINOVA, T.

Atypical onset and complications in treated tuberculous meningitis. Nauch. tr. vissh. med. inst. Sofia 40 no.6:113-132 '61.

1. Predstavena ot prof. S. Bozhinov, rukovoditel na Katedrata po nevrologiia.

(TUBERCULOSIS MENINGEAL)

GOSPODKA, Vladimir

FUKSA, Iozef [Fuksa, Josef], doktor; GOSPODKA, Vladimir [Hospodka, Vladimir], doktor.

Development of freight turnover and efficient hauls. Zhel. dor. transp. 39 no.5:12-13 My '57. (MLRA 10:6)

1. Nauchno-issledovatel'skiy institut transporta v Prage.
(Czechoslovakia--Railroads--Freight)

LUKETIC,Gorazd,dr.; BASIC,Marko,dr.; GOSPODNETIC,Ante,dr.

Contribution to clinical aspects and roentgenological diagnosis of syphilis of the stomach. Lijec. vjes. 82 no.2:105-118 '60.

1. Iz Internog odjela, Zavoda za radiologiuj i Odjela za kozne i spolne bolesti Opce bolnice "Dra M. Stojanovica" u Zagrebu.

(SYPHILIS diag.)
(STOMACH dis.)

GOSPODNETIC, Ante, dr.

Hereditary elephantiasis (Nonne-Milroy-Meige syndrome). Lijecn. vjesn. 84 no.10:1021-1027 '62.

1. Iz Dermato-venerološkog odjela Opce bolnice "Dra M. Stojanovica" u Zagrebu.

(LYMPHEDEMA)

S

GOSPODNETIC, D.; MODLIC, I.

Dynamic problems of the drive of cars for tugging model ships. p. 1338.

(TEHNIKA. Vol.12, No. 8, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

GOSSE, N.P., inzh.; KISLUKHIN, S.V., inzh.; NIKOL'SKIY, G.A., inzh.; POPOV, G.S., inzh.; SHAKHOVTSEV, V.I., nauchnyy red.; VAGNER, A.A., red.; RUNOVA, A.P., red.; KOVAL'SKAYA, I.F., tekhn. red.; VINOGRADOV, Ye.A., tekhn. red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Electric equipment and devices of motor vehicles; catalog and reference book] Avtotraktornoe elektro-oborudovanie i pribory; katalog-spravochnik. Moskva, TSentr.in-t nauchno-tekhn.informatsii mashinostroeniia. Pt.1. 1961. 371 p. (MIRA 14:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po koordinatsii nauchno-issledovatel'skikh rabot. 2. Nauchno-issledovatel'skiy eksperimental'nyy institut avtotraktornogo elektrooborudovaniya i priborov (for Gosse, Kislukhin, Nikol'skiy, Popov). 3. Direktor Nauchno-issledovatel'skogo eksperimental'nogo instituta avtotraktornogo elektrooborudovaniya i priborov (for Shakhovtsev).
(Motor vehicles—Electric equipment)

GOSSELIN, R.P.

Gosselin, R. P. On the theory of localization for ... trigonometric ...

... Z. 24, 43 ... 1925 ... using formal ... which is developed further in this paper ... One of the principal results is that if the ... sufficient formal integration of the trigonometrical series

$$\sum a_{mn} e^{i(mx+ny)}$$

$$(a_{m0} = a_{0n} = 0, \; a_{mn} = O(m^{\beta} n^{\delta}) \ldots -1)$$

vanishes on a cross-shaped region $\{(x, y): a \leqq x \leqq b$ or $c \leqq y \leqq d\}$, then the series is uniformly summable (C, β, ϵ) in the Pringsheim sense to zero in every rectangle

$$\{(x, y): a < a' \leqq x \leqq b' < b \quad \text{and} \quad c < c' \leqq x \leqq d' < d\}$$

The methods are applicable to conjugate series and to series in more than two variables. *G. Klein*

PECHATNIKOV, Boris Mikhaylovich; GOSSEN, Ervin Frantsevich;
KARPOVA, Ye.S., red.

[New agricultural machinery for erosion control and its adjustment] Protivoeroziinaia tekhnika i ee regulirovka. TSelinograd, Red.izd-va "Kolos" po tselinnym raionam, 1964. 22 p. (MIRA 18:6)

L 16740-66 EWT(1)/EWA(h)
ACC NR: AR5019468 SOURCE CODE: UR/0058/65/000/007/H005/H005

AUTHOR: Gossen, I.I.

ORG: none

TITLE: Parametric amplifier of a traveling wave in a non-degenerated regime

SOURCE: Ref. zh. Fizika, Abs. 7Zh33

REF SOURCE: Dokl. Nauchno-tekhn. konferentsii, posvyashch. dnyu radio. Tomsk, Tomskiy un-t, 1964, 113-123

TOPIC TAGS: traveling wave amplifier, electronic amplifier, electric filter, frequency characteristic

TRANSLATION: On the basis of established relationship - synchronism conditions and conditions for equal group velocities of signal and differential waves - a calculation was made of the actual circuit of a traveling wave parametric amplifier. Results are given of experimental studies of a parametric amplifier of a traveling wave in a non-degenerated condition, which agree with the calculated data. The most uniform frequency characteristics were obtained by a tuning of the outgoing filters. With this process an amplification coefficient of 14 db in a band of 0.6 Mcps (16%) was reached at an average frequency of 3.6 Mcps and a feeding amplitude of 2 v. L. Goryshkin.

SUB CODE: 09 SUBM DATE: none

Card 1/1 vmb

L 28515-66 EWA(h)/EWT(1)

ACC NR: AR6000070 SOURCE CODE: UR/0275/65/000/009/A042/A043

AUTHOR: Gossen, I.I.; Petrov, A. S. 38 B

TITLE: Parametric traveling-wave amplifier under regenerative conditions

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 9A296

REF SOURCE: Dokl. Nauchno-tekhn. konferentsii, posvyashch. dnyu radio. Tomsk, Tomskiy un-t, 1964, 113-123

TOPIC TAGS: parametric amplifier, traveling wave, frequency characteristics, traveling wave amplifier

ABSTRACT: On the basis of known expressions—those for the condition of synchronism and the condition of equal group velocities of the signal and of the difference wave—design calculations are made for a concrete amplifier circuit. Experimental results of an investigation of a parametric traveling-wave amplifier under regenerative conditions are given; the results agree with the calculated data. The most uniform frequency characteristics were obtained by adjusting the output filters. An amplification factor of 14 db was obtained in the range of 0.6 Mc (16%) at a mean frequency of 3.6 Mc and a pumping amplitude of 2 v. [LG]

SUB CODE: 09/ SUBM DATE: none

Card 1/1

S/148/61/000/012/008/009
E193/E383

AUTHORS: Gossman, A.A. and L'vov, V.S.

TITLE: On the nature of the K-state in alloys

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya, no. 12, 1961, 126 - 129

TEXT: Some solid solutions containing metals of the transition group show an anomalous rise in electrical resistance when cooled slowly after annealing. This effect has been attributed to the onset of a structural condition to which Thomas (Ref. 1: Zeitschrift f. Physik., 129, 1951, 219) ascribed the term "K-state". According to one school of thought, the K-state is associated with the formation of atom aggregates (segregations or complexes) in the crystal lattice and this view has been indirectly supported by X-ray diffraction measurements (Ref. 5: I.Ya. Dekhtyar, S.M. Karal'nik - DAN SSSR, v.38, no.2, 1953, 227). In the opinion of other workers (e.g. Ref. 6 - R. Nordheim, N. Grant - J. Inst. Metals, v.82, 1953-54, 440) the K-state is a result of a disorder-order transformation. These conflicting views prompted the present authors to study the effect

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of plastic deformation of preliminarily quenched specimens on the kinetics and intensity of the formation of the K-state, since plastic deformation, which increases the dislocation density in the alloy, should (if the former of the views quoted above is correct) affect this process. The experimental work was carried out on Nichrome and Supermalloy wire specimens, the composition of these alloys being as follows:

	C	Si	Mn	Cr	Ni	Mo	Fe	S	P
Nichrome	0.06%	0.33	0.40	20.91	76.31		2.06	0.011	0.08
Supermalloy	-	0.43%	0.72	-	70.14	4.78	13.35	0.013	0.05.

The progress of formation of the K-state was traced by electrical-resistance measurements and by dilatometry. To obtain structures stable at low temperatures all the specimens were vacuum-annealed at 900 °C for 5 days and quenched. Part of these were plastically deformed at room temperature to 68% reduction. After measuring their electrical resistivity specimens of both series were annealed in vacuum at 475 °C for 43 hours. This treatment was interrupted after 30, 90, 210, 510, 1110 and 2610 minutes and

On the nature of ....

the electrical resistance of the specimens at room temperature was measured. The Supermalloy specimens were also quenched from 900 °C, after which some of them were plastically deformed to 17 - 95% reduction. All the specimens were then annealed at 475 °C for 61 hours, the resistance measurements being taken after 30, 90, 270, 690, 1820 and 3660 minutes. The dilatometric heating curves were taken for nichrome specimens (a) quenched from 900 °C, (b) plastically deformed to 67% reduction and (c) annealed for 5 days. The results are reproduced graphically. In Fig. 2, the electrical resistivity ρ ($\Omega mm^2/m$) is plotted against duration (minutes) of annealing at 475 °C, Curves 1 and 2 relating to deformed and quenched nichrome specimens, respectively. In Fig. 3, the relative increase in the electrical resistance ($\frac{\Delta R}{R_0} \times 100\%$) is plotted against annealing time (minutes) at 475 °C, Curves 1 relating to quenched specimens, Curves 2 - 5 to specimens deformed to 1.2, 2.4, 9 and 17%, respectively. Finally, the dilatometric curves are reproduced in

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On the nature of ....

Fig. 4, Curves 1-4 relating to water-quenched, oil-quenched, deformed to 67% reduction and annealed nichrome specimens, respectively. The results obtained indicate that plastic deformation, particularly when preceded by quenching, markedly accelerates the process of formation of the K-state and confirm the view that the formation of the K-state is associated with segregation of atoms around dislocations.
There are 4 figures and 6 references: 3 Soviet-bloc and 3 non-Soviet-bloc. The English-language reference mentioned is: Ref. 6: R. Nordheim, N.Grant - J. Inst. Metals, v.82, 1953-54, 440.

ASSOCIATION: Sibirskiy metallurgicheskiy institut
(Siberian Metallurgical Institute)

SUBMITTED: May 31, 1961

Card 4/4

GOSSMAN, V., inzh.

Effect of the ice flow on the port structures of the lower Yenisey River. Rech. transp. 24 no.3:43-44 '65. (MIRA 18:5)

GOSSMAN, V.A.

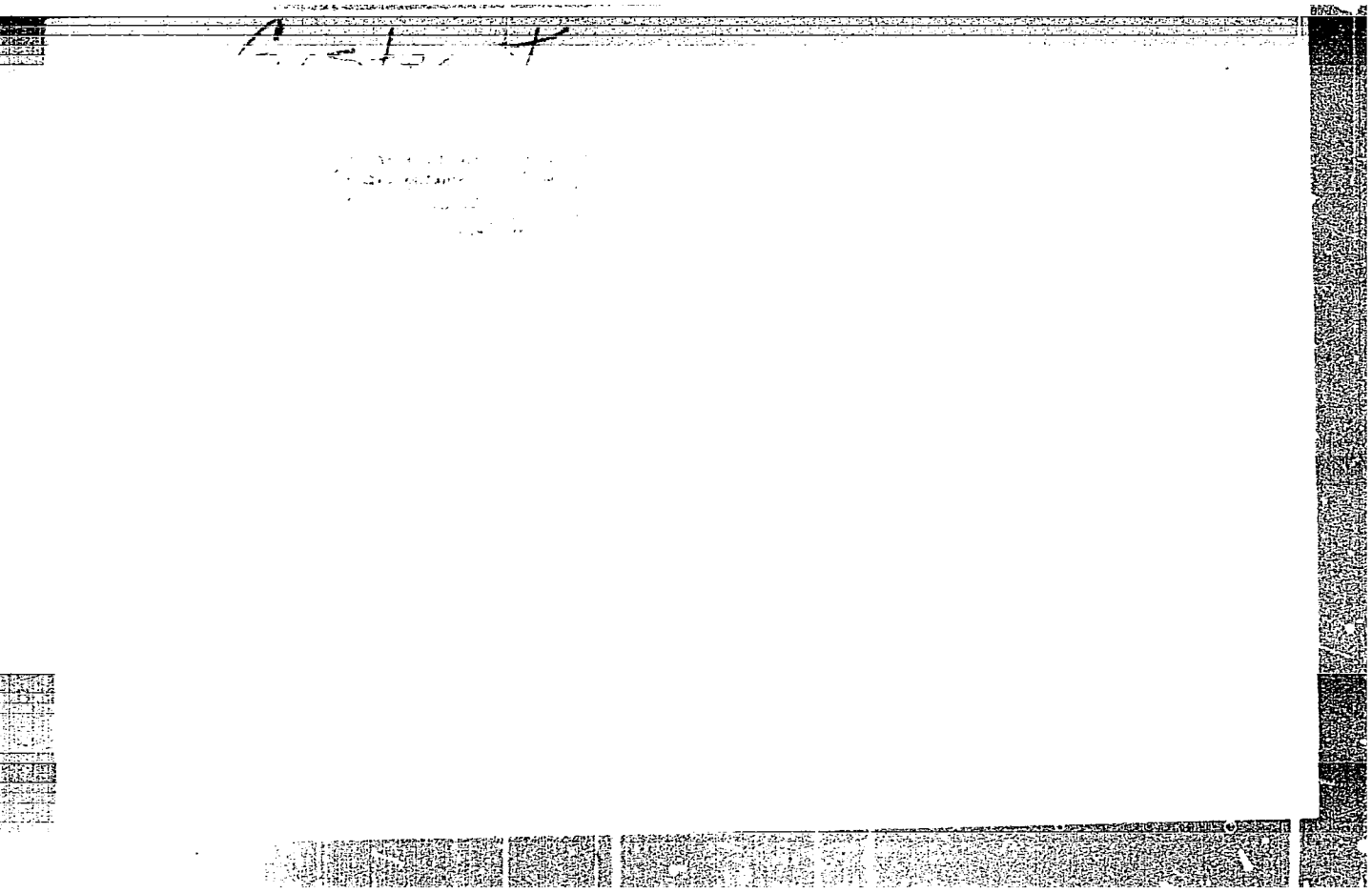
Ice drift during the maximum flood level in the lower reaches of the Yenisey. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no.15:133-139 '64. (MIRA 18:6)

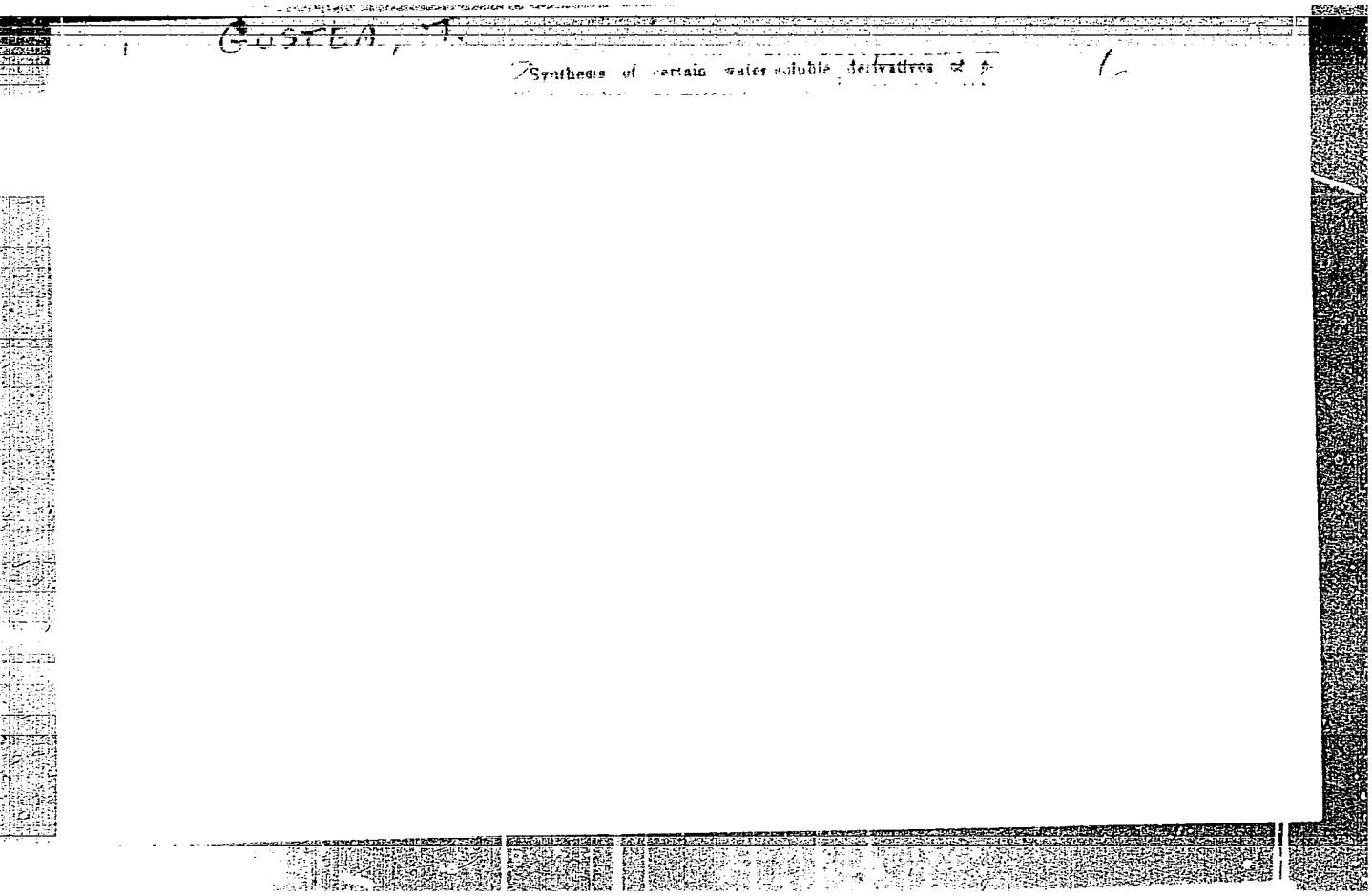
GOSTEA, T.

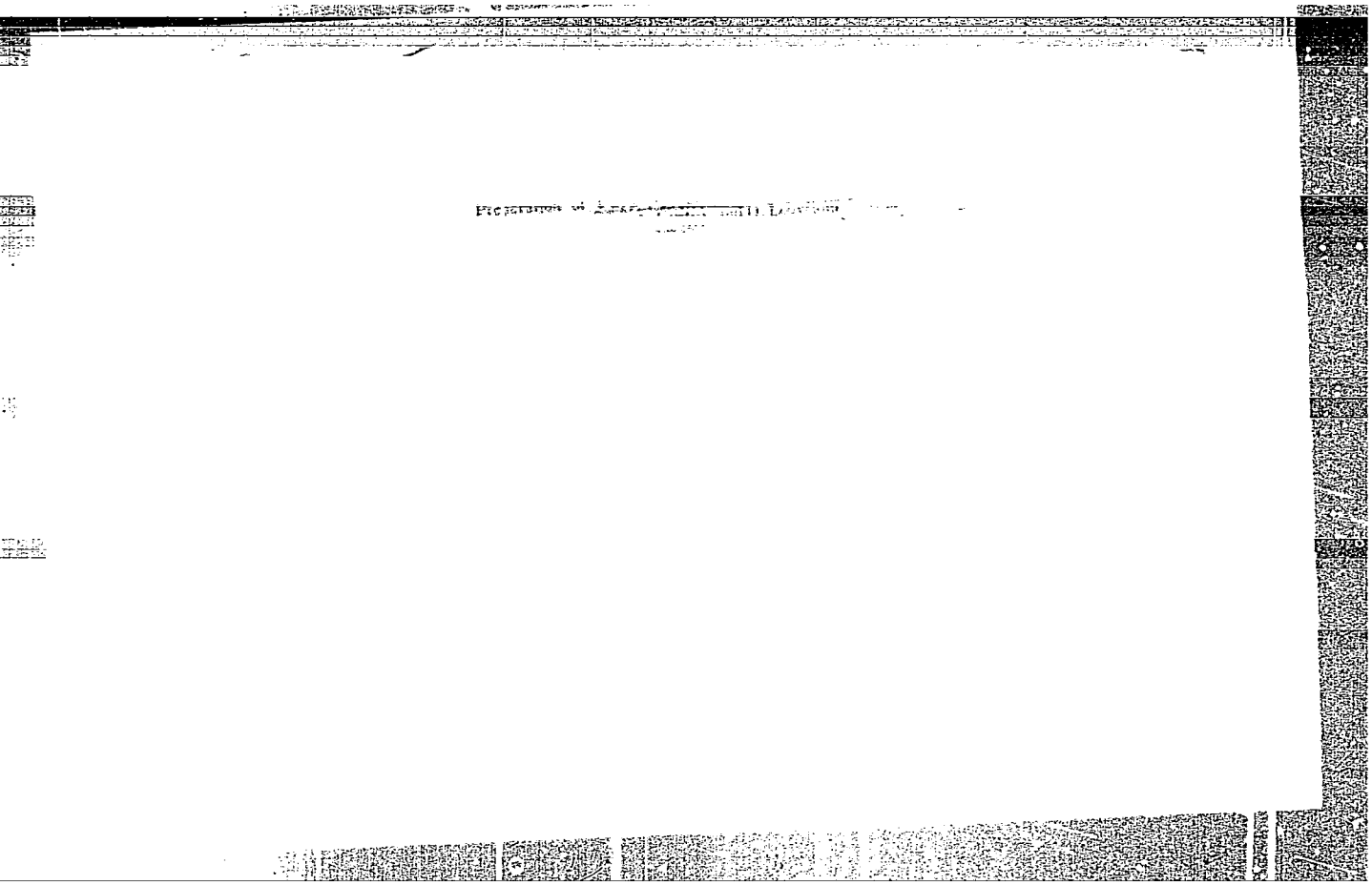
A derivative of 4-hydroxycoumarin which is a rodenticide. C. N. Ionescu, I. Selmiciu, V. Niculescu, T. Gostea, and O. Leoveanu (Dept. Pharm. Chem., Acad. Sci., Bucharest). *Acad. rep. populare Romîne, Studii cercetări chim.* 2, no. 3/4, 195–8 (1954); *cf. C.A.* 48, 6069g.—The known synthesis (Bujanowska, *Przemysł Chem.* 30, 451–453(1951)) for 3-(1-phenyl-2-acetylethyl)-4-hydroxycoumarin (I), a good rodenticide, was modified so that materials available in Rumania are used as raw materials exclusively. The same yields (67%) will be obtained if the dioxane used in the original description is replaced by H_2O, and the piperidine by quinoline, as solvents. In syntheses similar to those of I one can also obtain the following compds.: (a) from 4-hydroxycoumarin, (II) and *p*-acetamidobenzaldehyde in EtOH under reflux the *p*-acetamidophenylmethylenebis(4-hydroxycoumarin), crystals, insol. in EtOH, m. 255–7°; (b) from II and *p*-nitrobenzaldehyde the *p*-nitrophenylmethylenebis(4-hydroxycoumarin), insol. in EtOH, m. 234–6°; (c) from II and *p*-dimethylaminobenzaldehyde the *p*-dimethylaminophenylmethylenebis(4 - hydroxycoumarin), sparingly sol. in EtOH.

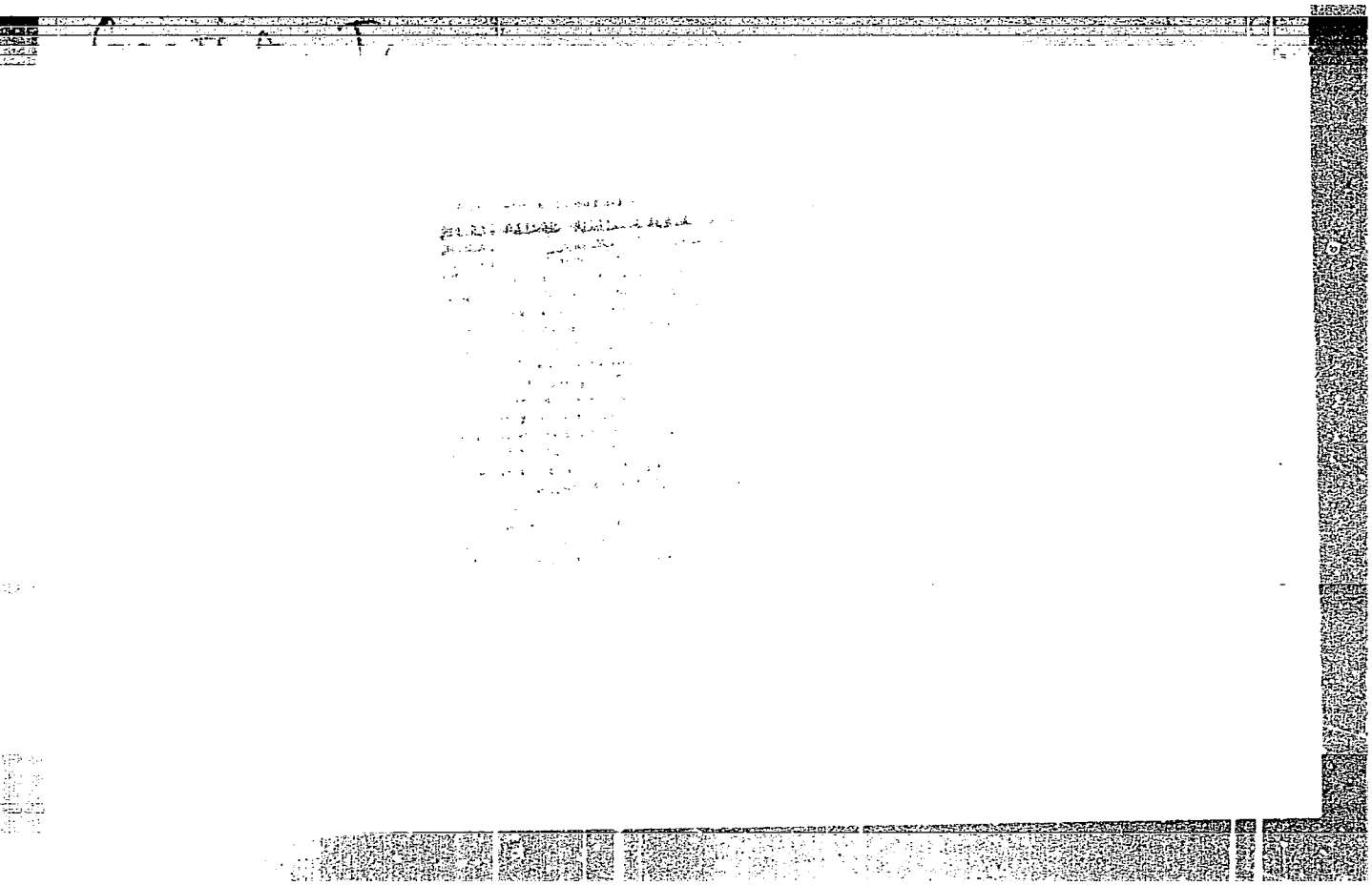
Werner Jacobson

5



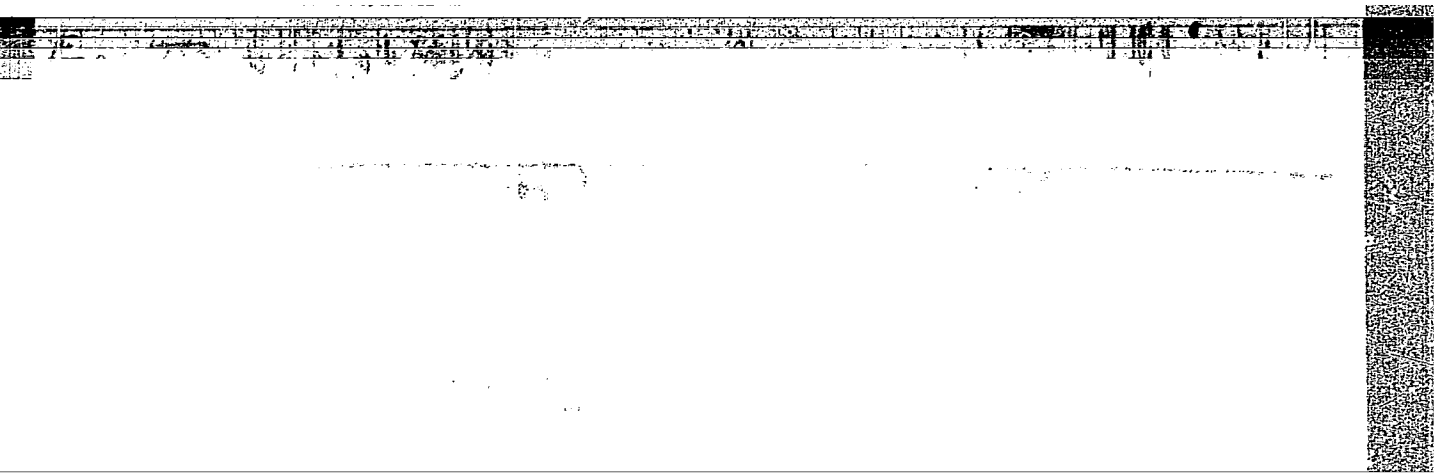




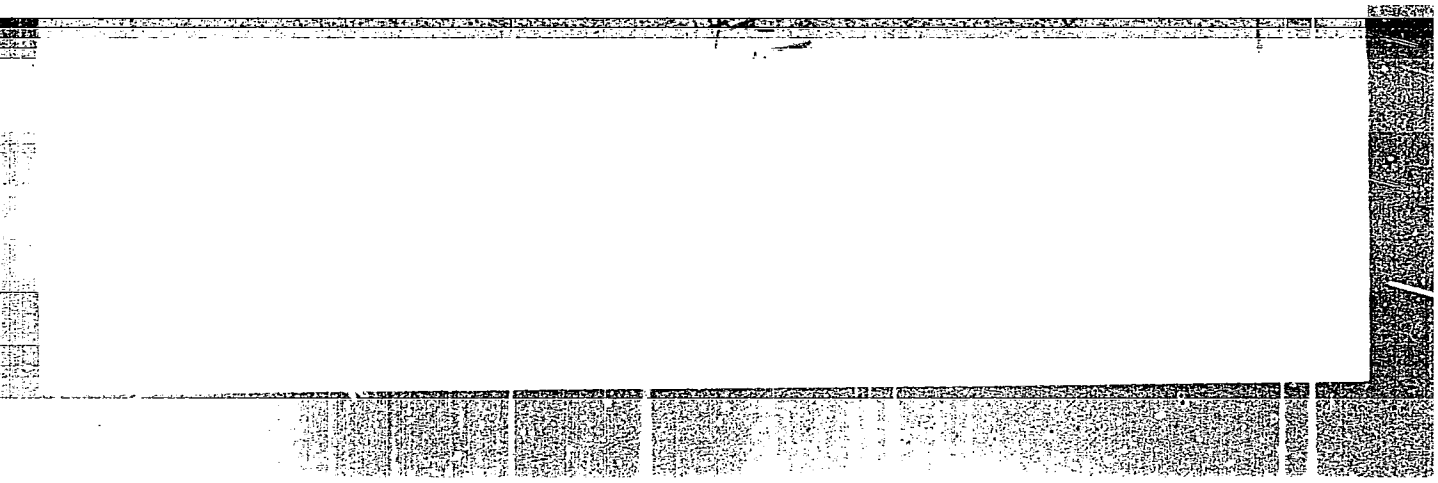


SHAPUNOV, L.A.; GOSTEMINS'KA, T.V. [Hostemyns'ka, T.V.]

Determining of dimethylformamide and n-methylpyrrolidon in the synthesis gas and technical acetylene. Khim. prom. [Ukr.] no.3: 74-75 Jl-S '64. (MIRA 17:12)



APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516420002-1"



APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516420002-1"

GOSTENINA, V.M.

ARISTOV, N.P., kand. tekhn. nauk,; BLAGOSKLONSKIY, T.I., kand. khim. nauk,; VESELOVSKIY, V.S., prof., doktor tekhn.nauk,; VLADISLAVLEV, V.S., prof.,[deceased]; GOSTENINA, V.M., inzh.; GRINBERG, B.G., kand. tekhn. nauk,; KATTS,N.V., kand. tekhn. nauk,; KESTNER,O.Ye., kand. tekhn. nauk,; KIDIN, I.N., prof., doktor tekhn. nauk,; KIRSHENSHTEYN, Ye.L., inzh.; KITAYGORODSKIY, I.I., prof., doktor tekhn. nauk,; KOLOBNEV, I.F., kand. tekhn. nauk,; KRYLOV, V.V.,kand. tekhn.nauk,; LAKHTIN, Yu.M., prof., doktor tekhn. nauk,; LEVI, L.I., kand. tekhn. nauk,; LEPETOV, V.A., kand. tekhn. nauk,; LUNEV, A.A., kand.tekhn. nauk,; LUNEV, F.A.,kand. tekhn. nauk,[deceased]; LOTSMANOV, S.N., kand. tekhn. nauk,; MAURAKH, M.A.,kand. tekhn. nauk,; MINKEVICH, A.N., kand. tekhn. nauk,; OCHKIN, A.V., inzh.; POPOV, V.A.,kand. tekhn. nauk,; RAKOVSKIY, V.S., kand. tekhn. nauk,; SHESTOPAL, V.M., kand. tekhn. nauk,; ACHERKAN, N.S., prof., doktor tekhn. nauk, glavnyy red.; MALOV, A.N., red.; POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B., red.; CHERNAVSKIY, S.A., red.; KRYLOV, V.I., inzh., red.; KARGANOV, V.G., inzh., red. graficheskikh rabot,; SOKOLOVA, T.F., tekhn. red.

[Metal worker's handbook in five volumes] Spravochnik metallista v piati tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 3. Book 1. 1958. 560 p. (MIRA 11:11)
(Metals--Handbooks, manuals, etc.)

S/129/62/000/012/007/013
E193/E383

AUTHORS: Vishenkov, S.A., Candidate of Technical Sciences, Gostenina, V.M., Yekatova, V.S., Faykina, L.A. and Filimonova, L.V., Engineers

TITLE: Electro-less nickel-plating of soldered aluminium parts

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, no. 12, 1962, 33 - 36

TEXT: The object of the present investigation was to explore the possibility of improving the corrosion-resistance of soft-soldered joints in aluminium and aluminium alloys by means of electro-less nickel-plating of the aluminium parts before soldering. The optimum thickness of the nickel deposit was determined in the first stage of the investigation. The experiments were carried out on АМг (AMg), АМц (AMts), Д1 (D1) and Д16 (D16) alloys. Flat test pieces were cleaned with emery paper, washed in kerosene at 40 - 50 °C, dried, degreased with French chalk, rinsed in cold water, pickled for 1 min in a 25% solution of sulphuric acid at 70-75 °C, rinsed in cold water, given a bright dip (12-15 sec) in a 1:1 solution of nitric acid and rinsed again in cold water.

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Electro-less nickel-plating ....

After depositing a coating of Zn by a 15-sec dip in a solution containing 500g/l. sodium hydroxide and 100 g/l. zinc sulphate (at 20-25 °C), followed by a thorough wash in running water, nickel-plating was carried out in a bath of the following composition: nickel chloride 21 g/l.; sodium hypophosphite 24 g/l.; ammonium chloride 35 g/l.; citric acid 25 g/l.; 25% NH_4OH solution 30-70 ml./l.; pH of the bath was 8.3 - 8.5 and its temperature 80-85 °C. The rate of nickel deposition was 12 - 15 μ/h at a charging density of 2 dm^2/l. The specimens were held, after washing and drying, at 200 °C for 2 hours to improve the strength of the bond between the aluminium alloy and the nickel deposit. The corrosion-resistance of various test pieces was determined by measuring the loss in weight after a 160-hour test in a 3% solution of sodium chloride at room temperature. The minimum weight loss (0.002 - 0.003 g) corresponded to the following thickness of the Ni deposits: 15 - 16 μ on alloy AMg; 22-23 μ for alloy AMts; 24-25 μ for alloy D1; 28-30 μ for alloy D16. In the second stage of the investigation the corrosion-resistance of the soldered joints was determined. Strips of the alloy D1, nickel-plated to a depth of 1-3, 5-10 and 19-25 μ, were joined with ПОС-61 (POS-61)

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Electro-less nickel-plating ....

solder under a zinc chloride/ammonium chloride flux. Similar test pieces were prepared using unplated D1 strips soldered by the abrasive technique with the tin-zinc eutectic. The corrosion tests (of 30 days duration) were carried out in a 3% sodium-chloride solution whose temperature was raised each day to boiling point and kept there for one hour. The extent of corrosion was determined by measuring the strength of the soldered joints before and after the tests. Joints made in unplated specimens started to lose their strength after immersion for one day and had no load-carrying capacity after 7 days. Joints made on specimens nickel-plated to a depth of 18 - 25 μ were the most resistant to corrosion; their strength before and after corrosion tests was 4.8 and 4.7 kg/mm^2, respectively. Comparative tests of one-year duration, conducted in a 3% sodium-chloride solution, in a humidity chamber and in outdoor and indoor atmospheres yielded similar results. Complex components of various wireless equipment made by soft-soldering nickel-plated AD1 (AD1), D1 and D16 alloys passed the following tests satisfactorily: 4-hour test at -50 °C; testing for resistance to frost and condensation (2 hours at -20 °C); stability at elevated temperatures (10 hours at 50 °C,

Electro-less nickel-plating ....

4 hours at 65 °C); resistance to humidity (30 days at 30 °C with humidity of 95-98%). It was concluded that preliminary electro-less nickel-plating was the most promising method of ensuring good corrosion-resistance of soft-soldered joints in aluminium alloys.

GOSTER, V. S., PHYSICIAN Doc Med Sci

Dissertation: "Investigation of the Chemical Nature of Antigen and Antibodies by the Method of Azo Compounds."

26 Sep 49

Second Moscow State Medical Inst imeni

I. V. Stalin

SO Vecheryaya Moskva
Sum 71

GOSTEV, A.

Supply more lumber to rural construction projects. Sel'.stroi. 14 no.5:19-21 My '59. (MIRA 12:8)

1. Nachal'nik Voroneshskoy lesozagotovitel'noy kontory. (Voronesh Province--Lumbering)

GOSTEV, A.,gornyy inzh.; KOLOMIYTSEV,I.,izobretatel'; SMULAKOVSKIY, B.; GEONDZHIYAN,T.

"Junior brother" of inventions. Izobr.i rats. no.10:46-47 O'60. (MIRA 13:10)

1. Predsedatel' pervichnoy organizatsii Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov shakhty 8-a imeni Stalina, g. Gorlovka (for Gostev). 2. Starshiy inzhener-konstruktor, predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov otdela Glavnogo konstruktora Lipetskogo traktornogo zavoda, Lipetsk (for Kolomiytsev). 3. Rabotnik TETs Metallurgicheskogo zavod, g.Cherepovets (for Smulakovskiy). 4. Vagonnoye depo, g. Leninakan (for Geondzhiyan). (Technological innovations)

GOSTEV, A. I. (ENGR)

GOSTEV, A. I. (ENGR) -- "INVESTIGATION OF THE WEAR AND TEAR OF MATERIALS USED FOR PISTON RINGS AND CYLINDER LINERS IN TRACTOR ENGINES." SUB 20 JUN 52, MOSCOW INST OF MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE IMENI V. M. MOLOTOV (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

GOSTEV, A.N.

Huge postoperative hernias and their surgical therapy. Khirurgiia, Moskva No.5:63-66 May 50. (CLML 19:4)

1. Of North-Ossetian Republic Hospital for the Rehabilitation of Invalids of the Great Fatherland War (Head -- S.F.Plakhtyurin; Consultant -- Prof. I.A.Poliyevktov).

GOSTEV, A.Ye. (Moskva)

Thermal waters. Priroda 52 no.3:79-80 '63. (MIRA 16:4)
(Siberia, Western)

GOSTEV, B.I., kandidat tekhnicheskikh nauk; USHAKOV, A.D., kandidat tekhnicheskikh nauk; KONONOVA, T.A., inzhener; AKOPYAN, S.I., kandidat tekhnicheskikh nauk, redaktor; VASIL'YEV, A.V., kandidat tekhnicheskikh nauk, redaktor; KRISTI, M.K., professor, redaktor; L'VOV, Ye.D., professor, redaktor; MALASHKIN, O.M., inzhener, redaktor; YUDUSHKIN, N.C., inzhener, redaktor; MODEL', B.I., tekhnicheskiy redaktor.

[Investigating cast iron with shereidal graphite inclusions and its use for tractor parts] Issledovanie chuguna so sferoidal'noi formoi grafite i primenenie ego dlia trakternykh detalei. Moskva, Ges.nauchno-tekhn.izd-vo machinostroit.lit-ry, 1943.36 p. (Moscow. Gosudarstvennyi soiuznyi nauchno-issledovatel'skii traktornyi institut [Trudy], no.7) (MLRA 9:1)

1.Direktor nauchno-issledovatel'skogo tekhnologicheskogo instituta (for Akopyan).
(Cast iron) (Tractor industry)

USSR/Metals - Cast Iron Jan 51

"Application of Inoculated Gray Cast Iron as a Substitute for Steel and Malleable Iron in Tractor Parts," B. I. Gostev, A. B. Ushakov, Candidates Tech Sci, VTUZ-NATI

"Litey Proiz" No 1, pp 2-4

High quality of inoculated cast iron is conditioned by obtaining min quantity of undissolved graphite in liquid metal in order to have unicast iron was inoculated with silicocalcium and 75% ferrosilicon. Latter proved more effective.

185T87

USSR/Metals - Cast Iron (Contd) Jan 51

Inoculant, crushed to 2-5 mm size, was added into furnace or ladle in amt of 0.3% of liquid metal at temp of 1,390-1,410°. Gives chem compn of exptl parts after inoculation.

185T87

GOSTEV, B. I.

GOSTEV, B.I.

ARTAMONOV, M.D., kandidat tekhnicheskikh nauk; VELICHKIN, I.N., inzhener; AKOPYAN, S.I., kandidat tekhnicheskikh nauk, redaktor; GOSTEV, B.I., kandidat tekhnicheskikh nauk, redaktor; VASIL'YEV, A.V., kandidat tekhnicheskikh nauk, redaktor; KRISTI, M.K., professor, redaktor; L'VOV, Ye.D., professor, redaktor; MALASHKIN, O.M., inzhener, redaktor; YUDUSHKIN, N.G., inzhener, redaktor.

[Investigation of the G-58 gas engine] Issledovanie gazogeneratornogo dvigatelia G-58. Moskva, Gos.nauchno-tekh.izd-vo mashinostroit.lit-ry, 1954. 26 p. (Moscow.Gosudarstvennyi soiuznyi nauchno-issledovatel'skii traktornyi institut [Trudy], no.11). (MLRA 9:1)

1.Direktor nauchno-issledovatel'skogo avtotraktornogo instituta (for Akopyan). (Gas and oil engines)

GOSTEV, B.I.

MALAKHOVSKIY,V.E., kandidat tekhnicheskikh nauk; AKOPYAN,S.I., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor; GOSTEV,B.I., kandidat tekhnicheskikh nauk, zamestitel' direktora po nauchnoy rabote; VASIL'YEV,A.V., kandidat tekhnicheskikh nauk, redaktor; KRISTI,M.K professor, redaktor; L'VOV,Ye.D., professor, redaktor; MALASHKIN, O.M., inzhener, redaktor; YUDUSHKIN,N.G., inzhener, redaktor; PONOMAREVA,K.A., inzhener, redaktor; MATVEYEVA,Ye.N., tekhnicheskiy redaktor.

[Investigation of the efficiency of tractor transmission systems] Issledovanie koeffitsienta poleznogo deistviia traktornykh transmissii. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 50 p. (Moscow, Gosudarstvennyi soiuznyi nauchno-issledovatel'skii traktornyi institut. Trudy, no.10) (MLRA 8:9)

1. Direktor NATI (for Akopyan). 2. Zam. direktora po nauchnoy rabote (for Gostev).
(Tractors--Transmission devices)

ZILBERG, Yu. Ya.; GOSTEV, B. I.

"Commercial Fabrication of Tractor Bearing Inserts from Rolled Bimetallic Strip (AM Aluminum Alloy-Duraluminum) in Mass Production"

Inst Mashinovedeniya, AN SSSR; Izdatel'stvo AN SSSR, Moscow, 1954 pp 98/107

B-28959, 21 Feb 55

GOSTEV, B. I.; ZIL'BERG, Yu. Ya.

"Laboratory Life Tests of Bearing Inserts of AM Aluminum Alloy-Duraluminum Bimetal"

Inst Mashinovedeniya, AN SSSR; Izdatel'stvo AN SSSR, Moscow, 1954, pp 108/116

B-82959, 21 Feb 1955

GOSTEV, B. I.; ZIL'BERT, Yu. Ya.

"Motor Life and Service Tests of Diesel Tractor Bearings with Inserts of Aluminum Alloy AM-Duraluminum Bimetal,"

Inst Mashinovedeniya, AN SSSR; Izdatel'stvo Akademii Nauk SSSR, Moscow, 1954, pp117/143

B-82959, 21 Feb 55

GOSTEV, B. I.

USSR/Engineering - Metallurgy

Card 1/1

Authors : Gostev, B. I., and Zil'berg, Yu. Ya.

Title : Aluminum Alloy Bi-Metallic Bearing Inserts

Periodical : Avt. Trakt. Prom. Ed. 1, 14-17, January 1954

Abstract : Durability studies were conducted by the Scientific Automotive Technical Institute on aluminum alloy bi-metallic bearing inserts, used for diesel D-35 and D-54 tractor engines. Tables on chemical composition of the better known aluminum anti-friction alloys, their rate of wear under operational conditions, and defects encountered in some of the above mentioned alloys are given. Illustrations; tables.

Institution : ....

Submitted : ....

NISNEVICH, A.I., inzhener; AKOPYAN, S.I., kandidat tekhnicheskikh nauk, redaktor; GOST[illegible], B.I., kandidat tekhnicheskikh nauk, redaktor; VASIL'YEV, A.V., kandidat tekhnicheskikh nauk, redaktor; KRISTI, M.K., professor, redaktor; L'VOV, Ye.D., professor, redaktor; MALASHKIN, O.M., kandidat tekhnicheskikh nauk, redaktor; YUDUSHKIN, N.G., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy redaktor.

[New methods for determining the wear rate of tractor engine parts] Primenenie novykh metodov opredeleniia velichiny iznosa detalei traktornogo dvigatelia. Moskva, Ges.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1956. [Trudy], no.14) (MLRA 9:10)

1. Direktor nauchno-issledovatel'skogo avtotraktornogo instituta (for Akopyan). (Tractors--Engines)

Gostev, B.I.

ZUBIYETOV, I.P., inzh.; AKOPYAN, S.I., kand. tekhn. nauk, otv. red.; GOSTEV, B.I., zam. otv. red.; VASIL'YEV, A.V., kand. tekhn. nauk, red.; KRISTI, M.K., prof. red.; L'VOV, Ye.D., prof., red.; MALASHKIN, V.M., kand. tekhn. nauk, red.; YUDUSHKIN, N.G., inzh., red.; UVAROVA, A.F., tekhn. red.

[Standardising fuel pump plungers used in the D-35 and D-54 tractor diesel engines] Unifikatsiia plunzherov toplivnykh nasosov dlia traktornykh dizelei D-35 i D-54. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry 1956. 14 p. (Moscow. Gosudarstvennyi soiuznyi nauchno-issledovatel'skii traktornyi institut. [Trudy] no.15). (MLRA 10:9)

1. Direktor nauchno-issledovatel'skogo avtotraktornogo instituta (for Akopyan). 2. Zamestitel' direktora po nauchnoy rabote nauchno-issledovatel'skogo avtotraktornogo instituta (for Gostev).
(Tractors--Engines)

VELICHKIN, I.N., kand.tekhn. nauk; AKOPYAN, S.I., kand. tekhn.nauk, otv.red.; GOSTEV, B.I., kand.tekhn.nauk, zam.otv.red; VASIL'YEV, A.V., kand. tekhn.nauk, red.; KRISTI, M.K., prof., red.; L'VOV, Ye.D., prof., red; MALASHKIN, O.M., kand.tekhn.nauk; YUDUSHKIN, N.G., inzh.; UVAROVA, A.F., tekhn.red.

[Some characteristics of the performance of gas-producer engines] Nekotorye osobennosti rabochego protsessa gazogeneratornykh dvigatelei Moskva, Gos. nauchno-tekhn izd-vo mashinostroit. litry, 1958. 37 p. (Moscow. Gosudarstvennyi soiuznyi nauchno-issledovatel'skii traktornyi institut [Trudy], no.16) (MIRA 12:3)
(Gas and oil engines--Testing)

12(2);25(2) PHASE I BOOK EXPLOITATION SOV/2203

Gostev, Boris Ivanovich, and Yuriy Yakovlevich Zil'berg

Alyuminiyevyy splav ASM dlya tyazhelonagruzhennykh podshipnikov (Aluminum Alloy, ASM, for Heavily Loaded Bearings) Moscow, Mashgiz, 1959. 181 p. 4,000 copies printed.

Reviewer: I.S. Kozlovskiy, Candidate of Technical Sciences; Ed.: V.I. Pryadilov, Candidate of Technical Sciences; Ed. of Publishing House: V.A. Nakhimson; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on Automotive, Transport, and Agricultural Machine Building: I.M. Bauman, Engineer.

PURPOSE: This book is intended for engineers and technicians in the field of internal combustion engines.

COVERAGE: The authors discuss problems related to the development and application of antifriction aluminum alloys to replace bronze and babbit for bearings of internal combustion engines. They present the characteristic features of the design of the aluminum alloy

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bearings, the methods of the aluminum cladding of steel strip, and the manufacturing process for making bimetal inserts. Laboratory and field testing data are given. Based on favorable results of the use of bimetal inserts made of steel and ASM alloy, the authors [illegible] recommend broad application of this type of bearing. The authors mention the following institutions as having contributed to the development of this type of bearing: Nauchno-issledovatel'skiy traktornyy institut (Tractor Scientific Research Institute), Institut mashinovedeniya AN SSSR (Institute of Machine Construction, Academy of Sciences, USSR), Institut metallurgii AN SSR (Institute of Metallurgy, Academy of Sciences, USSR), and Moskovskiy zavod pri obrabotke tsvetnykh metallov (Moscow Nonferrous Metals Plant). There are 30 references: 13 Soviet, 11 English, and 6 German.

TABLE OF CONTENTS:

Aluminum Alloy, ASM (Cont.)

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AVAILABLE: Library of Congress (TJ 1061.G6)

GO/bg
9-15-59

Card 5/5

KISTER, E.G.; MARTIROSOV, N.Ya.; NIKITIN, Yu.Z.; GOSTEV, B.S.

Using chromates to increase the thermal stability of clay muds. Neft. khoz. 42 no.7:23-26 Jl '64. (MIRA 17:8)

ATYASOV, N.I.; GOSTEV, G.S.

Treatment of obliterating endarteritis with intraosseous novocaine block in combination with X-ray therapy. Vest. rent. i rad. 33 no.6: 75-76 N-D '58. (MIRA 12:1)

1. Iz Vyksunskoy bol'nitsy Gor'kovskoy oblasti (glavnyy vrach - zasluzhennyy vrach RSFSR A.R. Ratyuk [deceased].

(THROMBOANGIITIS OBLITERANS, ther.
intraosseous procaine block, with x-ray ther. (Rus))
(RADIOTHERAPY, in various dis.
thromboangiitis obliterans, with intraosseous procaine block (Rus))
(ANESTHESIA, REGIONAL, in various dis.
thromboangiitis obliterans, intraosseous procaine block, with x-ray ther. (Rus))

GOSTEV, I.

Our common goal. Sov. shakht. 13 no.3:31 Mr '64. (MIRA 17:3)

1. Predsedatel' komiteta professional'nogo soyuza rabochikh ugol'noy promyshlennosti shakhty "Nezhdannaya", g. Shakhty, Rostovskoy oblasti.

GOSTEV, I.V., inzh.; GRINBLAT, A.L., inzh.

Universal instrument for the measurement of transformation factors. (MIRA 12:3)
Elek.sta. 28 no.12:75-76 D '57.
(Electric transformers--Measurement)

GOSTEV, I.V., inzh.; KOROVNIKOVA, K.A., inzh.

Portable stand for testing relay and measuring equipment. Elek. sta. 33 no.4:87-89 Ap '62. (MIRA 15:7)
(Electric power distribution--Equipment and supplies)

GOSTEV, I.V., inzh.; GRINBLAT, A.L.

A universal UPV-1 device for electric measurements in secondary commutation networks. Elek.sta. 33 no.12:70-73 D '62.
(MIRA 16:2)
(Electric networks) (Electric measurements)

GOSTEV, K. I.

7632. GOSTEV, K. I. -- Davleniyem, liteynoye delo I svarka. pod obshch. red. K. I. Gosteva. M., oborongiz, 1954,. 22 sm. (materialy po obmenu proizvod.-tekhn. opytom). bespl. 4. (sost. B. I. Malkin). 39 s. s ill.; 1 L. chert. -- (55-3940)

621.7/9

SO: Knizhnaya Letopsis', Vol. 7, 1955

GOSTEV, K. I.

7633-34. GOSTEV, K. I. -- Obrabotka dableniyem, liteynoye delo I termicheskaya obrabotka. pod obshch. red. K. I. Gosteva. M., oborongiz, 1954. 22 sm. (materialy po obmenu proizvod. -- tekhn. opytom). bespl.
2. (sost. R. P. Kofman) 35. s. s ill. -- (55-3768)
3. (sost. B. I. Malkin). 36 s. s ill; 1 L. chert. -- (55-3939)
zagl. vyp. 1, 4: obrabotka davleniyem, liteynoye delo I svarka.

SO: Knizhnaya Letopsis', Vol. 7, 1955

SAMARIN, A.M., otvetstvennyy redaktor; SOKOLOV, P.Ye., redaktor; KHABAKHPASHEV, A.A., redaktor; GOSTEV, K.I., redaktor; PRONOV, A.P., redaktor; CHERNOV, A.N., redaktor izdatel'stva; SOMOREV, B.A., tekhnicheskiy redaktor

[Continuous casting of steel] Nepreryvnaia razlivka stali; 17-19 oktiabria. Moskva, Izd-vo Akademii nauk SSSR, 1956. 299 p. (MLRA 9:7)

1. Vsesoyuznaya konferentsiya po nepreryvnoy razlivke stali, 1st, 1955. 2. Chlen-korrespondent AN SSSR (for Samarin)
(Steel--Metallurgy) (Continous casting)

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 45 (USSR) SOV/137-58-12-24238

AUTHOR: Gostev, K. I.

TITLE: Results of Research Into the Use of Vacuum in Casting Alloy Steel (Rezul'taty nauchno-issledovatel'skikh rabot po primeneniyu vakuuma pri razlivke legirovannoy stali)

PERIODICAL: V sb.: Primeneniye vakuuma v metallurgii. Moscow, AN SSSR, 1958, pp 103-106

ABSTRACT: Basic Cr-Ni-W and Cr-Ni-Mo steels (St) are vacuum treated at 450 mm Hg in the ladle. [H] is reduced from 7.3-8.7 to 6.2-8.6 $cm^3/100$ g. The macrostructure of samples from ingots produced at the start of the pour are characterized by a large number of flakes, those produced at the end by an insignificant number (from 2 to 10 pieces). 40KhNMA electric steel is vacuum treated in the pouring basket or tun dish within a tank in which a 6-ingot casting siphon is housed. The vacuum is brought to 50 mm Hg, and the treatment time consisted of 2 min 20 sec for filling the tun dish, 4 min holding in the tank, and 4 min for pouring the ingots. The mechanical properties of vacuum-treated St are equal to those made in the usual way, the macrostructure is

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Results of Research Into the Use of Vacuum in Casting Alloy Steel (cont.)

somewhat worse. Flakes are present. Chemical inhomogeneity in terms of C is somewhat higher. The primary grain size and the amount of nonmetallic inclusions are equal. Acid Cr-Ni-Mo-V St is treated in vacuum (6 mm Hg at the start of pour and 60 mm Hg at the end) at the moment of transfer through the stopper from the ladle to the tun dish. Degasifying takes 7-8 min. St of this grade is also blown with Ar in the ladle at a rate of 0.4 m^3/t. It is shown that the quality of the metal in the forgings is identical in all respects. The coefficient of lateral contraction of the diameter of a billet 700 mm in diameter is 33.9% for vacuum-treated St, 29.5% for Ar-blown, and 13.4% for ordinary.

V. B.

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GOSTEV, K.I.

LEONIDOV, N.K.

25(5) PHASE I BOOK EXPLOITATION SOV/1497

Akademiya nauk SSSR. Institut nauchnoy i tekhnicheskoy informatsii

Metallurgiya SSSR, 1917-1957, t. 1 (Metallurgy of the USSR, 1917 - 1957, Vol. 1) Moscow, Metallurgizdat, 1958. 745 p. 3,000 copies printed.

Ed. (Title page): I. P. Bardin, Academician; Ed. (Inside book): G. V. Popova; Tech. Ed.: O. G. Bakhar.

PURPOSE: The book is intended for scientific workers and engineers in metallurgical plants and in the machine-building industry. It may also be used by students in advanced courses in metallurgical vuzes.

COVERAGE: This collection of articles covers extensively practical and theoretical developments in Soviet metallurgy during the last 40 years. The material deals with the discovery and development of the major ore deposits and the growth of the metal industry in various parts of European and Asiatic USSR. Research institutes, laboratories, their location, and the names of the scientists and engineers involved are listed. Many papers contain so many references and names of various personalities that it was considered beyond the scope of the coverage of each article to list them. The authors claim that the processes, methods and theories described in this book reflect the most recent developments in Soviet metallurgy.

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Metallurgy of the USSR (Cont.) SOV/1497

The results of these theoretical calculations coincide with the actual performance data of some foreign electric furnaces. There are 7 references, 6 Soviet and 1 German.

Gostev, K.I. Continuous Steel Casting 329

The author states that intensive experimental and development work in continuous steel casting techniques has been going on for a number of years and that now continuous steel ingot casting is gaining popularity in Soviet industry. The author describes a number of vertical, inclined and horizontal systems with movable and stationary molds, and each of these systems is illustrated. There are 8 references, 5 English, 1 German, and 2 Soviet.

Polyakov, A.Yu., and A.M. Samarin. Development of the Theoretical Principles of Steel Making 330

Soviet scientists are reported to have done extensive theoretical studies of the physical and chemical processes which take place in the liquid stage of steel making. Reaction between oxygen and carbon in the steel bath has been the subject of numerous studies. The thermodynamic and

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PLOTNIKOV, S.B., inzh.; GOSTEV, K.N., inzh.

Using trucks in transporting sectional pipes. Nov.tekh. mont.i spets.rab.v stroi. 21 no.12:25-26 D '59. (MIRA 13:3)

1. Stroitel'no-montazhnyy uchastok - 6 tresta Vostokspetsneftestroy.
(Pipe, Steel--Transportation)

GOSTEV, M.A.

Calibration and control of seismic stations by the electrodynamic method. Trudy Inst. fiz. Zem. no.25:30-43 '62. (MIRA 15:11)
(Seismometers)

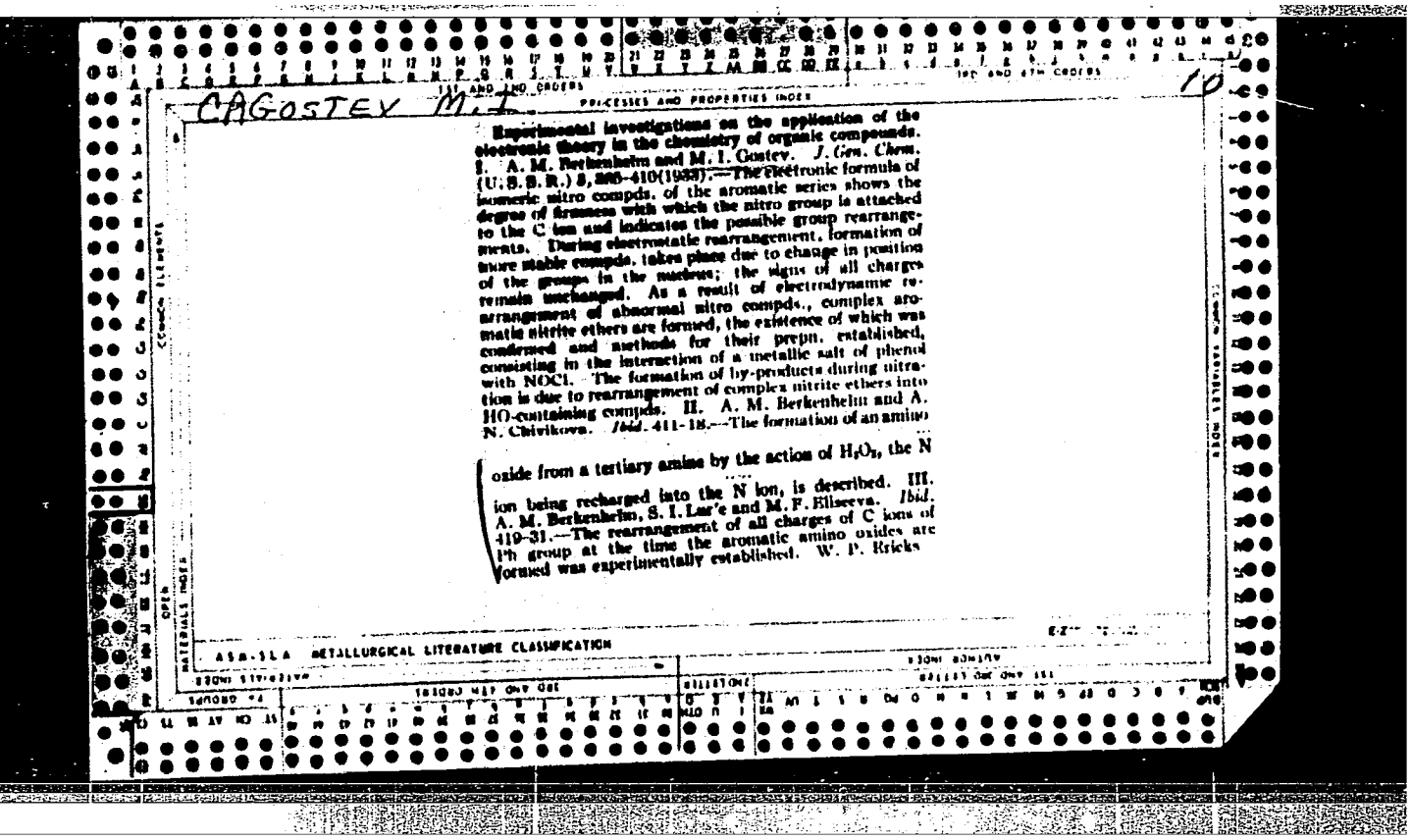
GOSTEV, M.A.; FEDOTOV, S.A.

Spectral characteristics of the foreshocks and aftershocks of the catastrophic earthquake of November 6, 1958. Izv. AN SSSR. Ser. geofiz. no.5:675-687 My '64. (MIRA 17:6)

1. Institut fiziki Zemli AN SSSR.

GOSTEV, M.A.

Electrodynamic graduation of seismographs with recording on a seismogram. Pt.2. Trudy Inst.fiz.Zem. no.32:46-48 '64. (MIRA 18:2)



CAGOSTEV M.I.

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PROCESSES AND PROPERTIES INDEX

Experimental investigations on the application of the electronic theory in the chemistry of organic compounds. I. A. M. Berkenheim and M. I. Gostev. *J. Gen. Chem.* (U. S. S. R.) 3, 395-410(1933).—The electronic formula of isomeric nitro compds. of the aromatic series shows the degree of firmness with which the nitro group is attached to the C ion and indicates the possible group rearrangements. During electrostatic rearrangement, formation of more stable compds. takes place due to change in position of the groups in the nucleus; the signs of all charges remain unchanged. As a result of electrodynamic rearrangement of abnormal nitro compds., complex aromatic nitrite ethers are formed, the existence of which was confirmed and methods for their prepn. established, consisting in the interaction of a metallic salt of phenol with NOCl. The formation of by-products during nitration is due to rearrangement of complex nitrite ethers into HO-containing compds. II. A. M. Berkenheim and A. N. Chivikova. *Ibid.* 411-18.—The formation of an amino oxide from a tertiary amine by the action of H_2O_2, the N ion being recharged into the N ion, is described. III. A. M. Berkenheim, S. I. Lur'e and M. F. Elliseeva. *Ibid.* 419-31.—The rearrangement of all charges of C ions of Ph group at the time the aromatic amino oxides are formed was experimentally established. W. P. Ricks

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

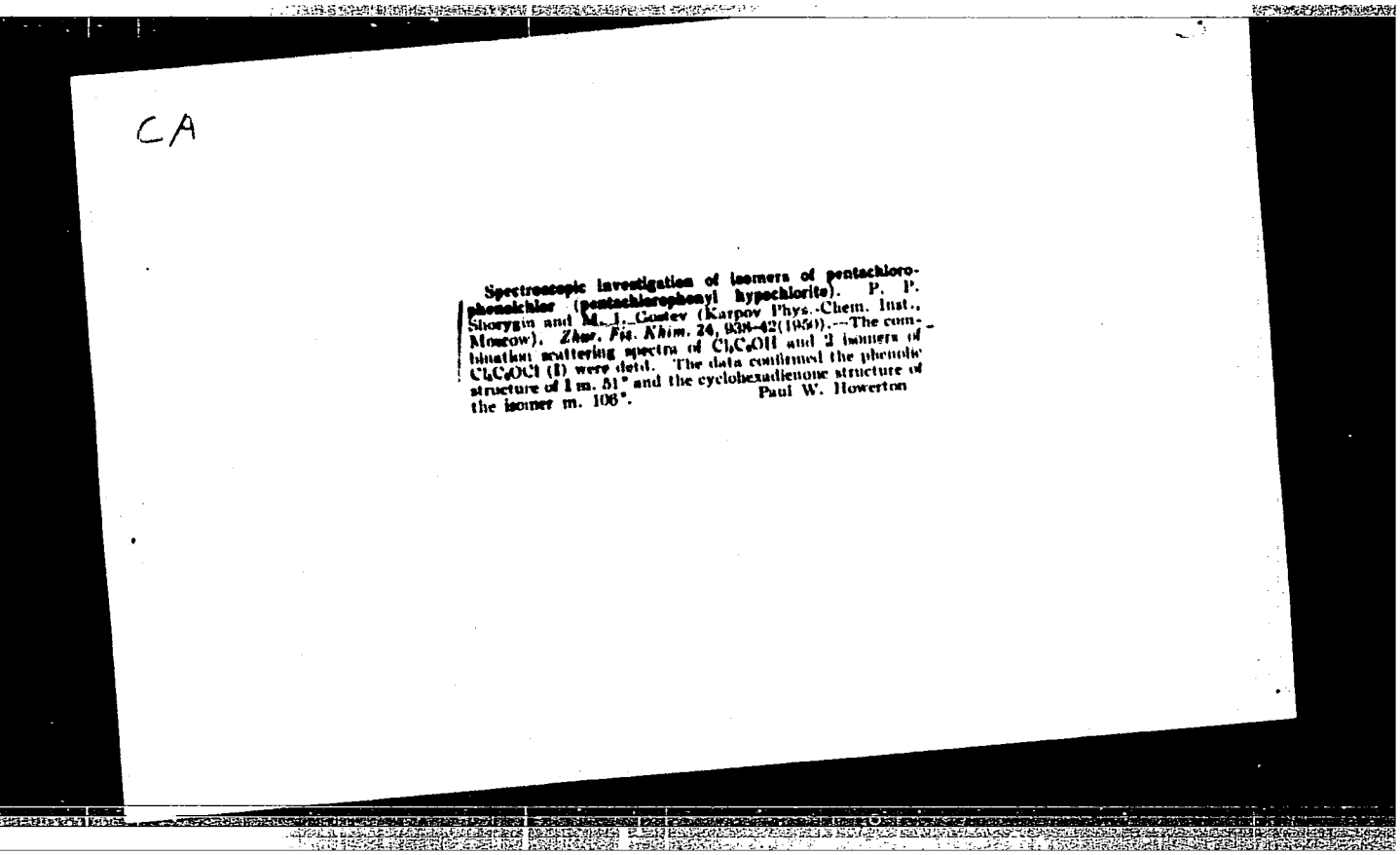
PROCESSES AND PROPERTIES INDEX

BC

A-3

Application of the electronic theory to the chemistry of organic compounds. I. Properties of isomeric nitro-compounds from the viewpoint of electronic theory. A. M. Berkenheim and M. I. Gosrav (J. Gen. Chem. Russ., 1933, 3, 385—410).—An experimental verification by standard methods of org. chemistry of the "electrodynamic" theory of intramol. changes of NO_2-compounds giving rise to different types of N compounds. These changes are possibly of the oxidation-reduction type, involving transformation of N^V into N^{III}, and of $\cdot NO_2$ into $\cdot O\cdot N:O$. The electronic structure of aromatic compounds is examined, and the position, nature, and manner of the attachment of NO_2 to the nucleus, as well as the possibility of re-arrangements, are demonstrated. With "abnormal" compounds, both electrostatic and electrodynamic rearrangements are possible; in the former case more stable compounds result owing to the migration of the group in the nucleus, all the charge signs remaining unaltered, whilst in the latter case, new compounds (complex, aromatic nitrous esters) are formed. In the course of such dynamic rearrangements, secondary products appear owing to further transformations of the aromatic nitrites into OH compounds. The aromatic nitrite can be independently prepared and identified by the action of NOCl on the metallic phenoxides. With o-$OH\cdot C_6H_4\cdot CO_2Me$, NOCl gives a nitrite, m.p. 126—131°, and also Me p-nitrosalicylate, m.p. 114—115°. Alkalis remove the Me and cause a rearrangement, giving a mixture of o- and p-nitrosalicylic acids. o-$OH\cdot C_6H_4\cdot NO_2$ and NOCl give a nitrite isomeric with o-$C_6H_4(NO_2)_2$. Nitration of BzOH gives o-$NO_2\cdot C_6H_4\cdot CO_2H$, identical with that obtained by oxidation of PhMe, in accordance with the electronic rearrangement theory; during nitration of BzOH, secondary products, corresponding with those formed when the isomeric nitrite is synthesised, are obtained. The fourth nitrobenzoic acid, m.p. 124—126° (cf. A., 1880, 251), which gave an intense coloration with $FeCl_3$, is identical with the aromatic nitrite. M. Z.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

Spectroscopic investigation of isomers of pentachlorophenolchlor (pentachlorophenyl hypochlorite). P. P. Shorygin and M. I. Gostev (Karpov Phys.-Chem. Inst., Moscow). *Zhur. Fiz. Khim.* 24, 938-42(1950).—The combination scattering spectra of Cl_5C_6OH and 2 isomers of Cl_5C_6OCl (I) were detd. The data confirmed the phenolic structure of I m. 51° and the cyclohexadienone structure of the isomer m. 106°. Paul W. Howerton

SHIDLOVSKAYA, A.N.; GOSTEV, M.I.; SYRKIN, Ya.K.

Dipole moments of pentachlorophenol derivatives. Doklady Akad. Nauk S.S.S.R. 87, 101-3 '52. (MLRA 5:11)
(CA 47 no.13:6203 '53)

1. Institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova, Moscow.

USSR

Spectroscopic study of the products of chlorination of pentachlorophenol. P. P. Shorygin and M. I. Gostev (L. Ya. Karpov Phys.-Chem. Inst., Moscow). *Zhur. Fiz. Khim.* 28, 762–4(1954); cf. *C.A.* 45, 1428a.—The ultraviolet and Raman spectra were observed of the colorless hexachlorocyclohexadienone (I) (m. 106°) and its yellow isomer (II) (m. 51°), which was first prepd. by G. (*Doctoral dissertation*, Moscow, 1951) from K pentachlorophenolate and Cl. The benzene-ring line at 1531 cm.$^{-1}$ of II was abnormally intense. Attempts to obtain the complete Raman spectrum of II led to bleaching and the appearance of the I spectrum as a result of photochem. conversion of II to I. The ultraviolet spectrum of I has a strong absorption band at 2620 A.; that of II has weaker bands at 2900 and 3650. The ultraviolet spectrum of $C_6Cl_6O_2$ (III) (m. 178°), prepd. by G. (*loc. cit.*) by removal of 2 Cl atoms from 2 mols. of I, is also given. II is converted to I upon standing a few days (in isooctane soln.). The infrared spectra in the range 800–1900 cm.$^{-1}$ are shown for I, II, and III. The intense band in all 3 spectra at 1680 cm.$^{-1}$ indicates the presence of CO groups in the solid state as well as in soln. J. W. Loweberg, Jr.

GOSTEV, M.I.

DISTR: [illegible] steel contg. 0.18% C in soln. contg. Fe^{II} was studied at room temp. The exchange took place [illegible]