"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

137 58-1-1406

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 188 (USSR

AUTHOR: Golego, N. L.

TITLE: Brass Plating Parts of Aircraft Engines (Latunirovaniye detaley aviatsionnykh dvigateley)

PERIODICAL: Tr. 1-y nauchno.-tekhn. konferentsii. Kiyevsk. in-t grazhd. vozdushn. flota. Moscow, 1956, pp 314-321

ABSTRACT: Friction between two metals may give rise to a metallic bond called seizing (S), which increases the coefficient of friction. Tests were run for S upon the friction of Nr 15 steel with 12KhNZA steel, upon which Cr, Zn, Cu, Ni, Sn, Pb, and In and Sn-Cu, Sn-Pb, or Zn-Cu alloys 120-150 microns thick were plated. The S of steel with a metallic electrolytic coating increases under solid friction, starting at small normal pressures, at the surface (Su) of the specimens, of the order of 5-10 kg/cm^2. The coefficient of friction of newly-formed Su of the couples studied was in the 0.4-0.75 range, whereas on friction with MS-20 oil it was within the 0.2-0.7 range. The lowest tendency to S was that of a Nr 15 steel-brass couple (the brass being present as a coating). The employment of a Cr coating to prevent S is practi-

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137-58-1-1406

Brass Plating Parts of Aircraft Engines

cable only when the contact-Su pressures are small. The coefficient of solid friction of special oxidized Su when tested for S proved in all cases to be significantly lower than the coefficient of solid friction of newly-formed S.

N. K.

1. Brass plating--Processes

Card 2/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

KOSTETSKIY, B.I., doktor tekhnicheskikh nauk; GOLEGO, N.I., kandidat tekhnicheskikh nauk; TOPEKHA, P.K., kandidat tekhnicheskikh nauk.

Chemical analysis of surface layers of metals subjected to various types of wear. Vest.mash. 36 no.10:23-26 O '56. (MLRA 9:11)
(Mechanical wear--Testing)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

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PHASE I BOOK EXPLOITATION SOV/5053

Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh. 3d, 1958.

Iznos i iznosostoykost'. Antifriktsionnyye materialy (Wear and Wear Resistance. Antifriction Materials) Moscow, Izd-vo AN SSSR, 1960. 273 p. Errata slip inserted. 3,500 copies printed. (Series: Its: Trudy, v. 1)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
Resp. Ed.: M. M. Khrushchov, Professor; Eds. of Publishing House: M. Ya. Klebanov, and S. L. Orpik; Tech. Ed.: T. V. Polyakova.

PURPOSE: This collection of articles is intended for practicing engineers and research scientists.

COVERAGE: The collection, published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines, Academy of Sciences USSR) contains papers presented at the III Vsesoyuznaya Konferentsiya po treniyu i iznosu v mashinakh (Third All-Union Conference on Friction and Wear in Machines) which was held April 9-15, 1958. Problems discussed were in 5 main areas: 1) Hydrodynamic Theory of Lubrication and Friction Bearings (Chairmen: Ye. M. Gut'yar, Doctor of Technical Sciences, and A. K. D'yachkov, Doctor of Technical Sciences); 2) Lubrication and Lubricant Materials (Chairman: G. V. Vinogradov, Doctor of Chemical Sciences); 3) Dry and Boundary Friction (Chairmen: B. V. Deryagin, Corresponding Member of the Academy of Sciences USSR, and I. V. Kragel'skiy, Doctor of Technical Sciences); 4) Wear and Wear Resistance (Chairman: M. M. Krushchov, Doctor of Technical Sciences); and 5) Friction and Antifriction Materials (Chairmen: I. V. Kragel'skiy, Doctor of Technical Sciences, and M. M. Krushchov, Doctor of Technical Sciences). Chairman of the general assembly (on the first and last day of the conference) was Academician A. A. Blagonravov. L. Yu. Pruzhanskiy, Candidate of Technical Sciences, was scientific secretary. The transactions of the conference were published in 3 volumes, of which the present volume is the first. This volume contains articles concerning the wear and wear resistance of antifriction materials. Among the topics covered are: modern developments in the theory and experimental science of wear resistance of materials, specific data on the wear resistance of various combinations of materials, methods for increasing the wear resistance of certain materials, the effects of friction and wear on the structure of materials, the mechanism of the seizing of metals, the effect of various types of lubricating materials on seizing, abrasive wear of a wide variety of materials and components under many different conditions, modern developments in antifriction materials, and the effects of finish machining on wear resistance. Many personalities are mentioned in the text. References accompany most of the articles.

WEAR AND WEAR RESISTANCE

1. General Problems of the Theory of Wear. Effect of Various Factors on Wear. Increasing Wear Resistance.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

KOSTETSKIY, Boris Ivanovich; PREYS, G.A., kand.tekhn.nauk, retsenzent; GOLEGO, N.L., kand.tekhn.nauk, red.; TYNYANIY, G.D., red.

[Wear resistance of machine parts] Soprotivlenie iznashivaniiu detalei mashin. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 478 p. (MIRA 13:4)
(Mechanical wear) (Machinery)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEGO, Nikolay Lukich; PREYS, G.A., kand. tekhn. nauk, retsenzent; KOSTETSKIY, B.I., doktor tekhn. nauk, prof., red.; CHISTYAKOVA, L.G., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Technological measures for preventing wear of machinery] Tekhnologicheskie meropriiatiia po bor'be s iznosom v mashinakh. Moskva, G.s. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 191 p. (MIRA 14:9)

(Mechanical wear)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

[illegible]/0072
[illegible]

AUTHORS: Kostetskiy, B. I., Moscvskiy, [illegible], [illegible]ego, N. L.; Topekha, P.K.

TITLE: Classification of metals and alloys according to their wear resist- [illegible]

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. [illegible], 1961, 35, abstract 7Zh256 ([illegible] Tr. 3-y Vses. konferentsii po treniyu i iznosu v mashinakh [illegible], Moscow, AN SSSR, 1960, [illegible])

TEXT: In order to devise a classification of metals according to characteristics of their oxidability and seizability, a series of tests have been carried out on a friction machine AE-2 which makes it possible to conduct tests in different gaseous media. Specimens of Fe, steel 45, Бр. АМц (Br. AMts), Бр. АЖМц (Br. AZhMts), Al, Sn, Б-83 (B-83), Pb, Бр. О-.4 (Br. O-.4), Бр. С-30 (Br. S-30), Bi, Sb, Cd, Ni, Zn, Mg, and [illegible] were tested under dry friction in air, O_2, and argon and subsequently studied by metallography. The friction of specimens was carried out against a rotating disk from steel 45 at a displacement velocity of the friction surfaces of [illegible] m/sec and a specific pressure of [illegible] kg/mm². During the test the friction force and the temperature were measured at a distance of [illegible] mm

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from the friction surface, and the relative wear of the specimens by weight and volume was determined. Under the metallographic analysis the friction surface was studied and the microhardness determined. A scheme for classifying materials according to their wear-resistance under friction and taking into account their seizability and oxidability is worked out, according to which all metals and alloys are divided into 4 groups. The first group includes Fe, [illegible], and some of their alloys, and also Al which, although it shows a seizability of both kind I and kind II, under conditions of oxidizing friction forms protective oxide films which show good wear resistance due to a stable bond to the base metal and possess a high hardness. The second group includes metals and alloys not prone to seizing and which form protective oxide films with high wear resistance under oxidizing friction. Sn and its alloys and a whole series of antifriction metals and alloys belong to this group. The third group includes metals ([illegible], Bi, Cd) which do not demonstrate seizability and under oxidizing friction form very fragile oxide films, which raise sharply the wear rate. The fourth group includes metals (Zn, Mg) which possess seizability and under conditions of oxidizing friction form easily disintegrating oxide films which also increase the wear rate.

[illegible]

[Abstracter's note: Complete translation.]

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PHASE I BOOK EXPLOITATION SOV/5821

Golego, Nikolay Lukich

Tekhnologicheskiye meropriyatiya po bor'be s iznosom v mashinakh (Measures for Combating Wear in Machinery) Moscow, Mashgiz, 1961. 191 p. 13,00 copies printed.

Reviewer: G. A. Preys, Candidate of Technical Sciences; Ed.: B. I. Kostetskiy, Doctor of Technical Sciences, Professor; Ed.: L. G. Chistyakova, Engineer; Tech. Ed.: M. S. Gornostaypol'skaya; Chief Ed. (Southern Dept. Mashgiz): V. K. Serdyuk, Engineer.

PURPOSE: This book is intended for engineers and technicians concerned with the design, manufacture, operation, and repair of machinery.

COVERAGE: Results are given of original investigations carried out to show the most frequently encountered wear processes resulting from types 1 and 2 galling [galling at low and high temperatures respectively.]

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

S/019/61/000/015/080/101
A154/A126

AUTHOR: Golego, N.L.

TITLE: A method for preventing seizing and corrosive fretting of steel surfaces

PERIODICAL: Byulleten' izobreteniy, no. 15, 1961, 55

TEXT: Class 48a, 1. No. 140295 (662983/22 of April 14, 1960). A method of preventing seizing and corrosive fretting of steel surfaces rubbing against each other or contacting each other in threaded, splined, key and other joints by electroplating them, distinguished by the fact that, in order to improve their anti-seizing properties and reliability in operation, the plating metal used is cobalt, of which a layer, 12 - 15 μ thick for example, is applied to one or both contacting surfaces.

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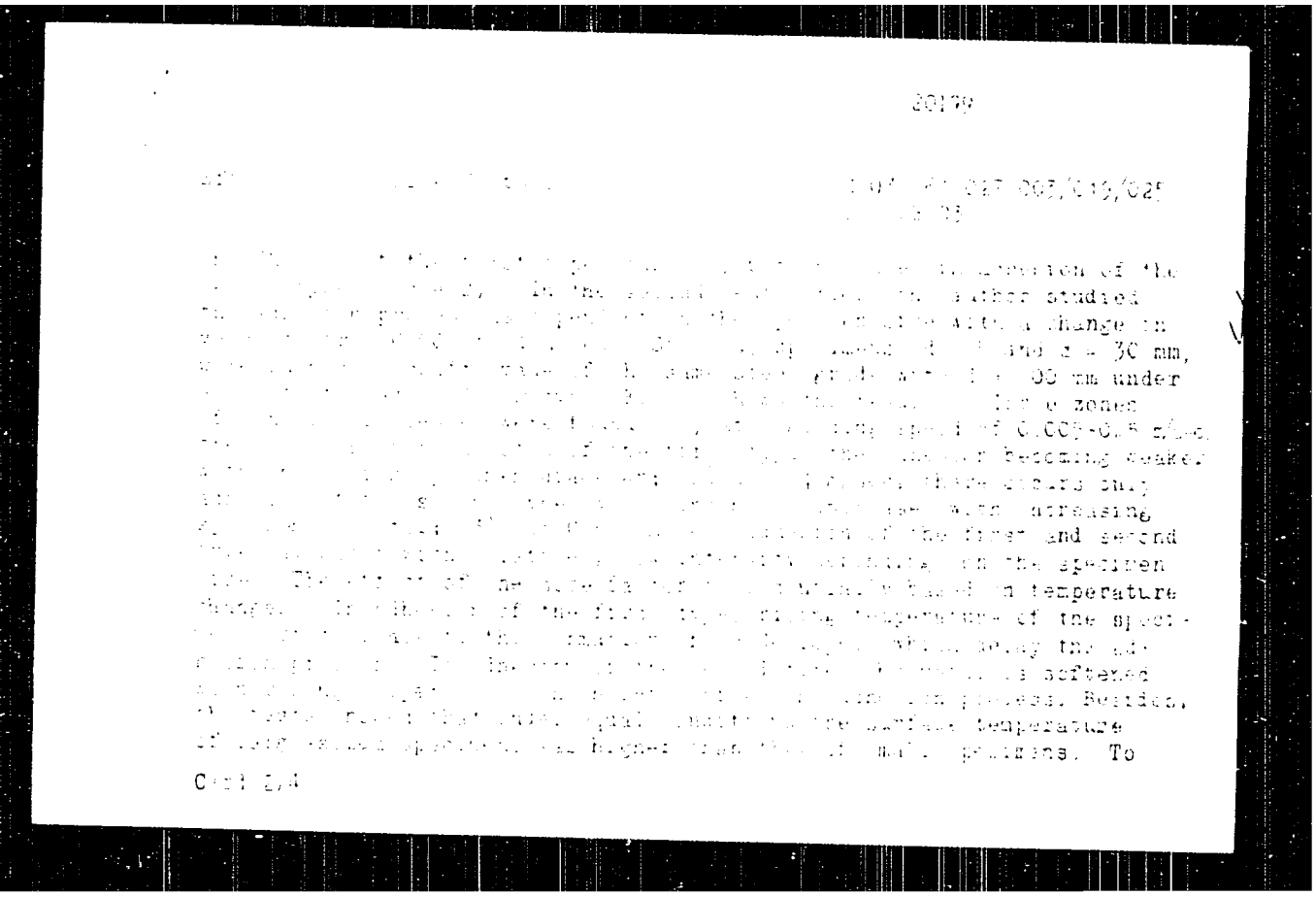

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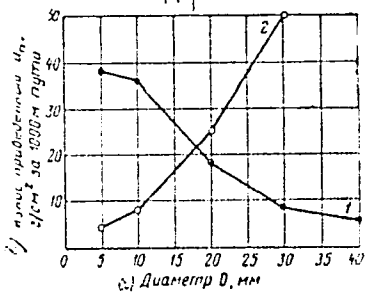
Effect of the size factor... S/032/61/027/003/019/025
B101/B203

reduce the abrasion of machine parts (i.e., to eliminate the possibility of adhesion of the first type) rubbing against each other at low velocity and high specific pressure in a dry or half-dry state, it should be attempted to reduce the heat liberation from surfaces by enlarging the rubbing surfaces and changing the size of machine parts. In machine parts rubbing against each other at high velocity, adhesion of the second type can be prevented by keeping the rubbing surfaces small and the surface temperature low. B. I. Kosteletskiy and G. I. Zaletskiy are mentioned. There are 3 figures and 2 Soviet-bloc references.

Fig. 1



Legend to Fig. 1:
Abrasion of steel specimens at 60 kg/cm^2. 1) 0.06 m/sec; 2) 3.44 m/sec; a) diameter D, mm, b) reduced abrasion U_n, g/cm^2 per 1,000 m distance.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

S/083/62/000/000/020/020
E194/E155

AUTHORS: Kostetskiy, B.I., Golego, N.I., and Bogomolov, N.I.

TITLE: A procedure, an instrument and equipment for studies of the strength of surface layers

SOURCE: Metody ispytaniya na iznashivaniye; trudy soveshchaniya, sostoyavshegosya 7-10 dek. 1960. Ed. by - N.M. Khrushchov. Moscow, Izd-vo AN SSSR, 1962. 212-219

TEXT: In order to develop the theory of surface strength and to solve fundamental problems of friction and wear, quantitative data are required about deformation of surface layers of solids in contact with one another. Direct methods of determining these mechanical properties in the presence of normal and tangential stresses have not yet been developed, but various indirect procedures exist. An instrument is described for studying the strength and deformation of surface layers of metal in motionless contact. A ring specimen, 30 mm o.d., 23 mm i.d., 10 mm high, with its upper edge serrated, is pressed by a hardened punch against a hardened block. Strain is measured by a pneumometric head. This is a very sensitive arrangement and a strain of a few

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

A procedure, an instrument and ... S/883/62/000/000/020/020
E194/E155

tenths of a micron can be measured. Strain of the specimen and the contact area can be determined as function of load. The construction is described with diagrams. Equipment is described for studying the mechanical properties of surfaces sliding at low speeds whilst subject to normal and tangential forces. Such sliding can cause strain of the surface layers, work-hardening or surface damage. These effects depend on the size and nature of the applied forces, and a machine was required with a constant area of contact with a wide range of load. The upper rotating specimen is a thick disc, whilst the lower stationary specimen is a similar disc with surface serrations; the contact area between the specimens can range from 0.5 to 3 cm^2. Load can be applied up to a value which causes flow of the surface layers of the test pieces. At the start of test the normal load is zero for a given value and is raised to a preset programme. The increase in load corresponds to the linear displacement of the friction surfaces. The normal loading is recorded by an oscillograph and strain gauges. An important part of the machine is the mechanism for measuring tangential forces in friction. A flat spring

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

A procedure, an instrument and ... S/883/62/000/000/020/020
E194/E155

dynamometer ensured the necessary sensitivity yet withstood high loading. The commencement of mechanical processes on the friction surfaces, their development and transition to seizure, work-hardening and damage to the contact surfaces are observed. Tested specimens have been sectioned and their microstructure examined, and typical photomicrographs are shown. Curves are plotted of microhardness as function of load with stationary and rotating specimens, and it appears that the hardening process is more intensive in a moving contact.
There are 10 figures.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

S/019/62/000/003/056/065
A154/A126

AUTHORS: Lerner, M.Ye.; Gologo, N.L.; Galushko, A.D.; Shlyapnikova, A.N.

TITLE: An alkaline electrolyte for electrolytic tinning

PERIODICAL: Byulleten' izobreteniy, no. 3, 1962, 50

TEXT: Class 48a, 606. No. 144683 (725490/22-2 of April 6, 1961). An alkaline electrolyte for electrolytic tinning, containing stannous chloride and sodium pyrophosphate, distinguished by the fact that, in order to improve the quality of the tinning, it also contains the surface-active material trilon-B (trilon-B) and joiner's glue, the electrolyte components being taken in the following proportion: stannous chloride 60 g/l; sodium pyrophosphate 200 g/l; trilon-B 25 g/l; joiner's glue 3 g/l.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

S/019/62/000/004/085/108
A152/A126

AUTHOR Golego, N. L.

TITLE Alkaline bath for electrolytic cobalt plating

PERIODICAL Byulleten' izobreteniy, no. 4, 1962, 62

TEXT Class 48a, 6$_{08}$. No. 145100 (661673/22 of April 1, 1960) An alkaline bath for electrolytic cobalt plating, differing from others in that in order to obtain elastic, well polishable and strongly cohesive deposits, it contains (in g/l) cobalt hydroxide about 10.0, Trilon B 64.0, potassium hydroxide 140.0 and may also contain up to 10 g/l of joiner's glue.

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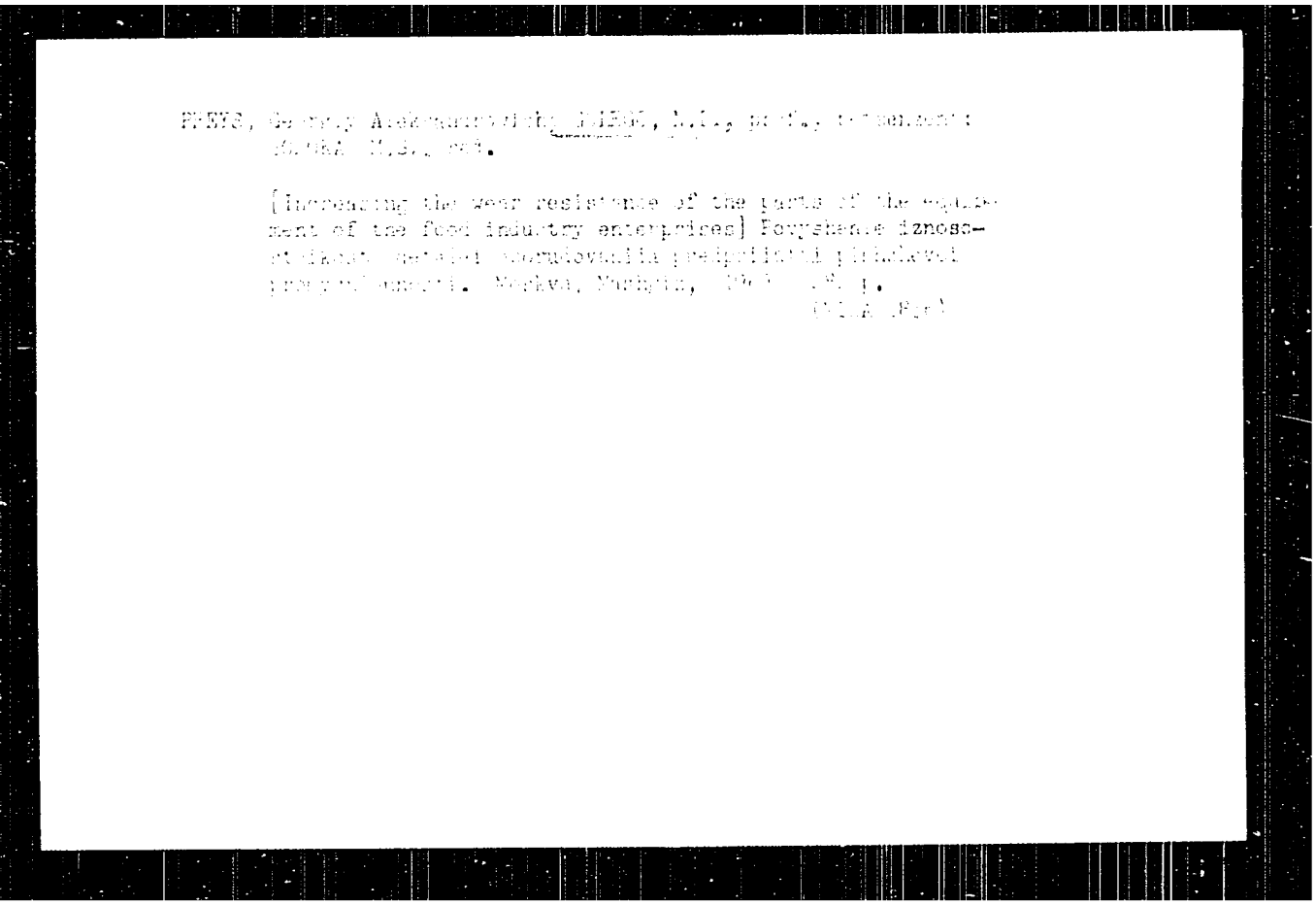

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEGO, N.L.

Testing machines for investigating the processes of friction and wear at high speeds of slip. Zav. lab. 29 no.6:761-763 '63. (MIRA 16:6)

1. Kiyevskiy institut grazhdanskogo vozdushnogo flota.
(Testing machines) (Mechanical wear)

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L 39989-65 EPF(c)/EWT(m)/EWP(b)/T/EWA(d)/EWP(w)/EWP(t) Pr-4/Pad IJP(c) DJ/ JD/HW/GS

ACCESSION NR: AT4049820 S/0000/64/000/000/0138/0143

AUTHOR: Golego, N. L.

40
30
B+1

TITLE: Protective coatings of parts working under conditions of metal binding

SOURCE: Soveshchaniye po uprochneniyu detaley mashin, 1962. Protsessy uprochneniya detaley mashin (Processes of the hardening of machine parts); doklady soveshchaniya. Moscow, Izd-vo Nauka, 1964, 138-143

TOPIC TAGS: metal binding, metal friction, friction binding, binding prevention, binding wear, protective coating

ABSTRACT: One of the most dangerous and destructive forms of wear is that due to metal binding. Many modern machines work in high vacuums, in neutral media, without fluid lubricants and at either high or low temperatures. Under these conditions binding is intensified, arising not only with sliding friction but also with rolling friction. Investigations of machine parts and laboratory samples have demonstrated that there is a two-fold mechanism of binding. First of all, binding may be considered as the formation of a metallic bond between two adjoining metal surfaces. Secondly, metal binding largely depends on the strength and the conditions for formation and destruction of protective films having a secondary structure at the contact surfaces of metals and alloys.

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ACCESSION NR: AT4049820

Investigations begun by the author in 1961 indicate that binding arises under two different types of working conditions and leads to two different forms of wear. The first type arises at low sliding friction velocities, high specific pressures and at insignificantly increased temperatures. The second type is found at high sliding friction velocities, high specific pressures and high temperatures. The main methods of combatting the first type of binding are selection of metals, design of protective non-metallic films and special secondary structures by diffusion, and increasing hardness or lowering plasticity. The second type is eliminated by increasing the heat resistance of metals, lowering friction by special lubricants and lowering the temperature in the rubbing metals. The selection of optimal specific pressures and velocities is of great importance. Electrolytic coatings are widely used. Different metals and alloys have different capacities for binding. According to their classifications, metals and alloys are available which do not bind, including bismuth, antimony, cobalt, brass and others. Electrolytic bismuth, antimony, cobalt and brass under low friction and low velocities with high specific loads eliminate binding of the first type, as does electrolytic sulfide. Testing of samples with the friction surfaces hardened by carbon and oxygen resulted in the complete elimination of binding under all loads. At present, completely worked out

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

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ACCESSION NR: AT4049820

methods are available for eliminating the first type of binding by electrolytic antimony, bismuth, cobalt, brass and sulfide, as well as by hardening with carbon and oxygen. Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 21May64 ENCL: 00 SUB CODE: MM

NO REF SOV: 003 OTHER: 000

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ACCESSION NR: AP4037198 S/0125/64/000/005/0015/0017

AUTHOR: Golego, N. L. (Doctor of technical sciences)

TITLE: Investigation of the fine structure of metals in connection with the process of coalescence

SOURCE: Avtomaticheskaya svarka, no. 5, 1964, 15-17

TOPIC TAGS: metal, metal fine structure, metal bonding, metal coalescence, metal submicrostructure, iron submicrostructure, cold welding

ABSTRACT: Results of a study of the initial fine structure, plastic deformation, and coalescence (bonding) of commercially pure iron are reported; x-ray diffraction analysis, optical and electron-microscope methods were used. The microstructure of three groups of grain of the source metal is shown. Coalescence of metal was produced on a special cold-welding outfit where a pressure of 100 kg/cm^2 and a relative motion at 0,5 cm/sec were applied. For

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ACCESSION NR: AP4037198

purposes of analysis, each "node of coalescence" is divided into 3 zones; pictures of the microstructure in each zone are presented. It is found that the quality of cold welding "is proportional to the degree of plastic deformation in the surface layers of metal, at the point of coalescence." Orig. art. has: 5 figures.

ASSOCIATION: Kievskiy institut grazhdanskogo vozdushnogo flota (Kiev Institute of Civil Aviation)

SUBMITTED: 25Jan64 DATE ACQ: 05Jun64 ENCL: 00

SUB CODE: MM NO REF SOV: 007 OTHER: 000

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEGO, N.L.

Surface active media as affecting the development of metal setting process during friction. Dokl. AN SSSR 154 no.4: 897-898 F '64. (MIRA 17:3)

1. Predstavleno akademikom P.A. Rebinderom.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

L 34950-65 EWT(l)/EWT(m)/EWP(w)/EWA(d)/EPR/T/EWP(t)/EWP(b) Ps-4 IJP(c) JD/JG

ACCESSION NR: AP5007348 S/0125/65/000/003/0018/0020

AUTHOR: Golego, N. L. (Doctor of technical sciences)

TITLE: Seizing of metals in a high vacuum

SOURCE: Avtomaticheskaya svarka, no. 3, 1965, 18-20

TOPIC TAGS: pure metal, pure metal seizing, similar metal seizing, dissimilar metal seizing, friction coefficient

ABSTRACT: The seizing of pure similar and dissimilar metals in a vacuum of 10^{-9} to 10^{-10} mm Hg has been investigated at room temperature at a rate of the relative motion of the contacting surfaces of 1 mm/sec or under static compression. Thirty pure metals, representing all groups of the periodic table of elements, were tested under a stress of 5% of the tensile strength of the tested metal. It was found that with friction under conditions of high vacuum, all similar metals were susceptible to seizing. The friction coefficient for dissimilar metals varied from 0.8 to 6.5 and depended on the mechanical strength of the metals and the load and intensity of seizing. The mutual solubility of metals has no effect on the initiation and development of the process of seizing. For example, iron-chromium, iron-aluminum, and iron-titanium pairs (the room temperature solubility of Cr, Al and Ti in Fe is 100,

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L 34950-65
ACCESSION NR: AP5007348

32, and 3%, respectively) experienced seizing with friction. However, no seizing was observed in iron-antimony and iron-zirconium pairs, although both metals are soluble in iron (antimony 7%, zirconium 0.15%). Iron-scandium and iron-magnesium pairs (neither scandium nor magnesium is soluble in iron) experienced no seizing, but two other pairs with mutually insoluble components, iron-silver and copper-molybdenum, experienced a partial seizing. The difference in the crystal lattice structure of the metals also has no effect on seizing. Only differences in atomic diameters were found to have a considerable effect. An intensive seizing was observed between metals with atomic diameters differing by 15—18%, but no seizing occurred when the difference was larger than 15—18%. In the experiments with very smooth and clean, vacuum-deposited pure metal films, the seizing occurred over 35—40% of the contact area under very low static pressures (up to 1g/mm^2). Orig. art. has: 6 figures. [MS]

ASSOCIATION: Kiyevskiy institut grazhdanskoy aviatsii (Kiev Institute of Civil Aviation)

SUBMITTED: 25Jan64 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 000 ATD PRESS: 3214

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ACC NR: AM6014727 (A) Monograph UR/

Golego, Nikolay Lukich

Seizing in machines and methods of its elimination (Skhvatyvaniye v mashinakh i metody yego ustraneniya) [Kiev] Izd-vo "Tekhnika," [1965] 230 p. illus., biblio. 2200 copies printed.

TOPIC TAGS: metal friction, wear resistance, metal stress, metal seizure, mechanical stress

PURPOSE AND COVERAGE: This book is intended for engineers studying the process of metal friction, seizure, and wear. Seizure of machine parts under different conditions and the effect of friction leading to metal wear, fatigue, and failure are reviewed and the mechanism of seizing are analyzed. At the same time, the possibility of successfully using metal seizure for cold welding is stressed. The nature, mechanism and development of metal seizing processes and of their control are described.

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ACC NR: AM6014727

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ACC NR: AM6014727

SUB CODE: 13/ SUBM DATE: 10Dec65/ ORIG REF: 12h/ OTH REF: 025

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APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEJ, M., ŻAPUNOW, B.

"Electricity Plants", by M. Golej, B. Żapunow. Reported in New Books (Nowe Ksiazki), No. 14, July 15, 1955

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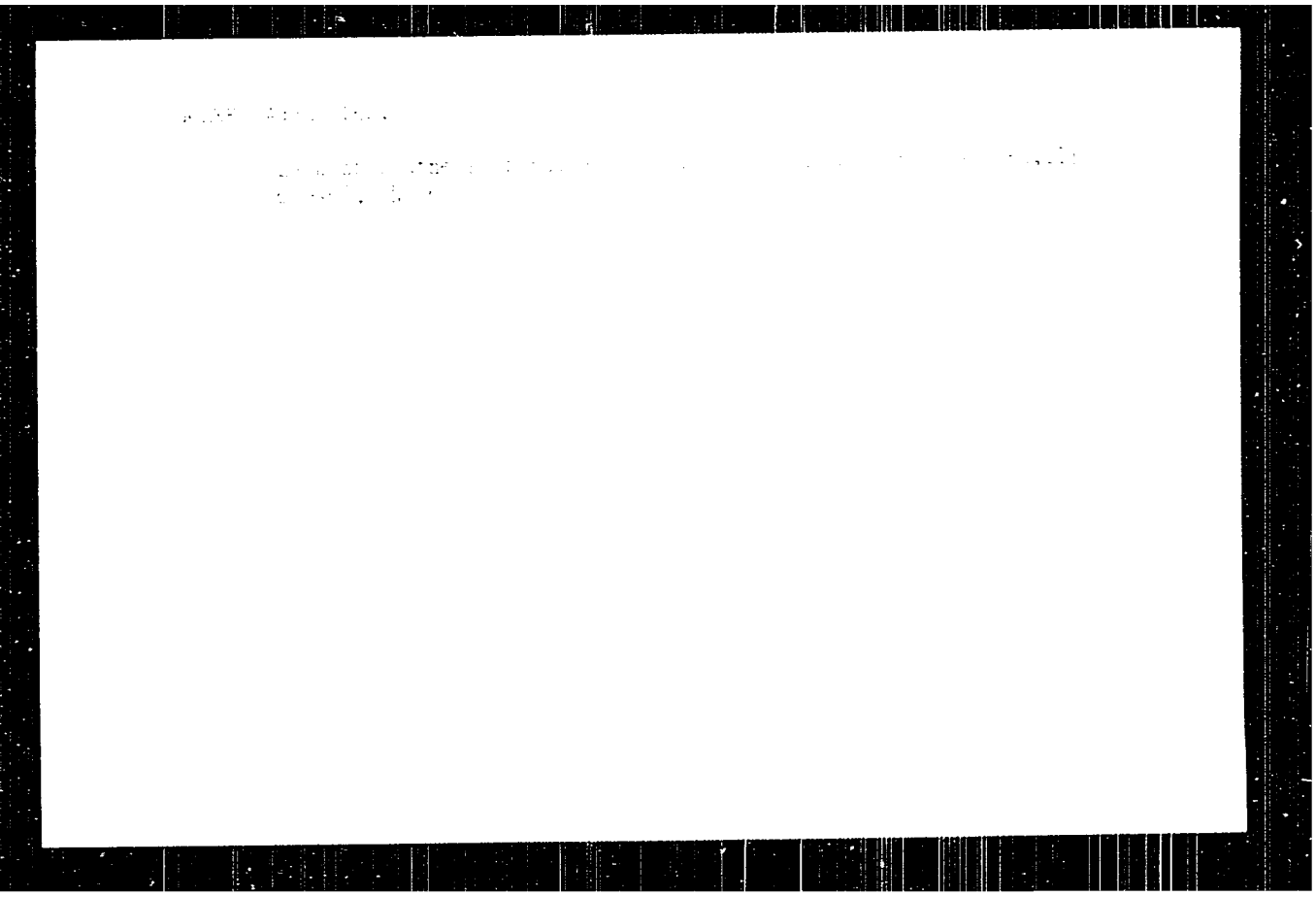

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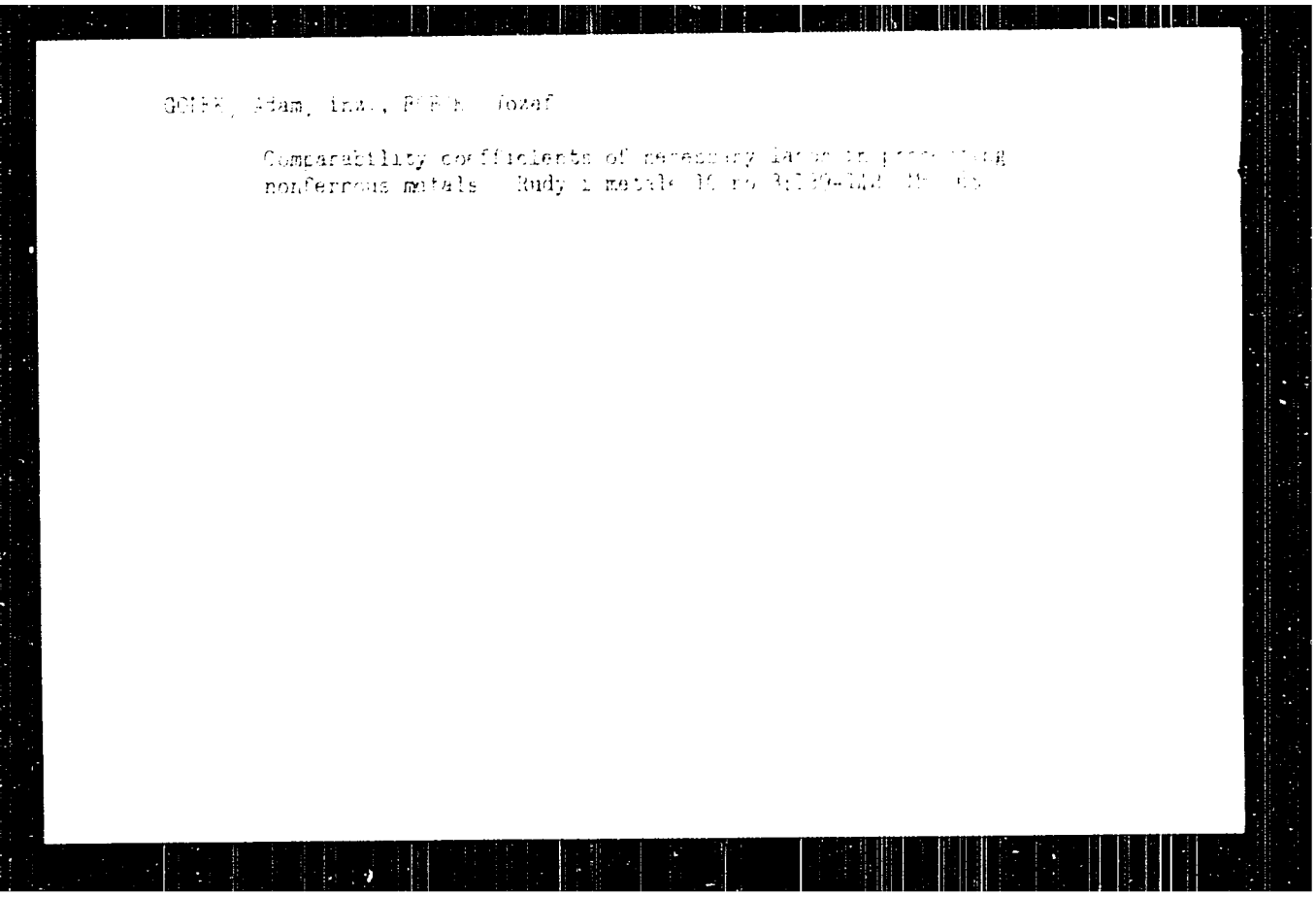

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

P/034/61/000/009/001/004
D247/D302

AUTHOR: Gołek, Jan, Engineer

TITLE: Automatic control of electrodes in an arc furnace by means of an asynchronous motor controlled by a magnetic amplifier

PERIODICAL: Pomiary, Automatyka, Kontrola, no. 9, 1961, 355-359

TEXT: The author describes prototype control equipment for controlling the position of electrodes in arc furnaces. Comparison is made between the performance of amplydyne control and the new one. A simplified diagram of the circuit is shown. The first stage has 100% feedback. The cases are made of silicon steel cold rolled. Its characteristics are shown as well as the characteristic curves for amplifiers. The second stage of amplification is the saturable reactor. The final control element is an asynchronous motor with additional resistance in the rotor or squirrel cave motor. The system is controlled by means of signals sensitive to changes in the arc current phase voltage. The voltage signal is fed to the balan-

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Automatic control of electrodes...

cing transformer, the bridge rectifier and the control winding of the first stage amplifier. The current impulse from the electrode is fed to the current circuit. The system has a proportional type of control. Additional feedback loop gives the required damping. There is also provision for manual control. The system in the first place was tested with a simulated control signal, i.e. from a potentiometer attached to motor shaft. Finally the system was calibrated. Time constant was about .8 sec. At this stage the system was compared with an existing control system as made by the English firm B.T.H. The behavior of the control system during starting and extinguishing of the furnace is illustrated. The author says that this performance is not very representative of the system for two reasons. The type of motor was too weak (the system can drive the electrode 100 mm/sec as compared with 25-30 mm/sec for the amplidyne system) and the damping was operating all the time. In the industrial version of the system starting and extinguishing will be automatic. The sensitivity of the system is the same as that of the amplidyne, but this system can deliver 10 times as much power. The

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system is simple in operation and requires very little servicing. There are 19 figures and 14 references: 12 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: P.L. Alger, Speed Control of Conduction Motors Using Saturable Reactions, Electrical Engineering No. 2, 1957.

ASSOCIATION: Instytut metalurgii żelaza Gliwice (Institute of Steel Metallurgy, Gliwice)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

AUTHOR. Golek, J.

TITLE. Automatic electrode regulator in an arc furnace with asynchronous motors controlled by a magnetic amplifier

PERIODICAL. Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 38, abstract 2[illegible] ("Automatizace", 1961, v. 4, no. 9, 261-265, Czechoslovakian; - Russian, German, English and French summaries)

TEXT. The author describes the scheme and the operational principle of an automatic electrode regulator prototype. Results of comparative investigations are given which had been performed after the mounting of the new regulator on an arc furnace with amplidynic control of the electrode position; corresponding [illegible].

[illegible]. Kashayeva

[Abstracter's note: Complete translation]

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APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEK, J.

Phenomena in ice on rivers in Poland, p. 11. (GAZETA OBSERWATORA..., Warszawa, Vol. 8, no. 2, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jan. 1955, Uncl.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEK, JULIAN.

GEOGRAPHY & GEOLOGY
GOLEK,
GOLEK, JULIAN. Zjawiska lodowe na rzekach polskich. Warszawa, Wydawn. Komunikacyjne, 1957. 58 p. (Warsaw. Panstwowy Instytut Hydrologiczno-Meteorologiczny. Prace, zesz. 48)

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 5, May 1959, Unclass.

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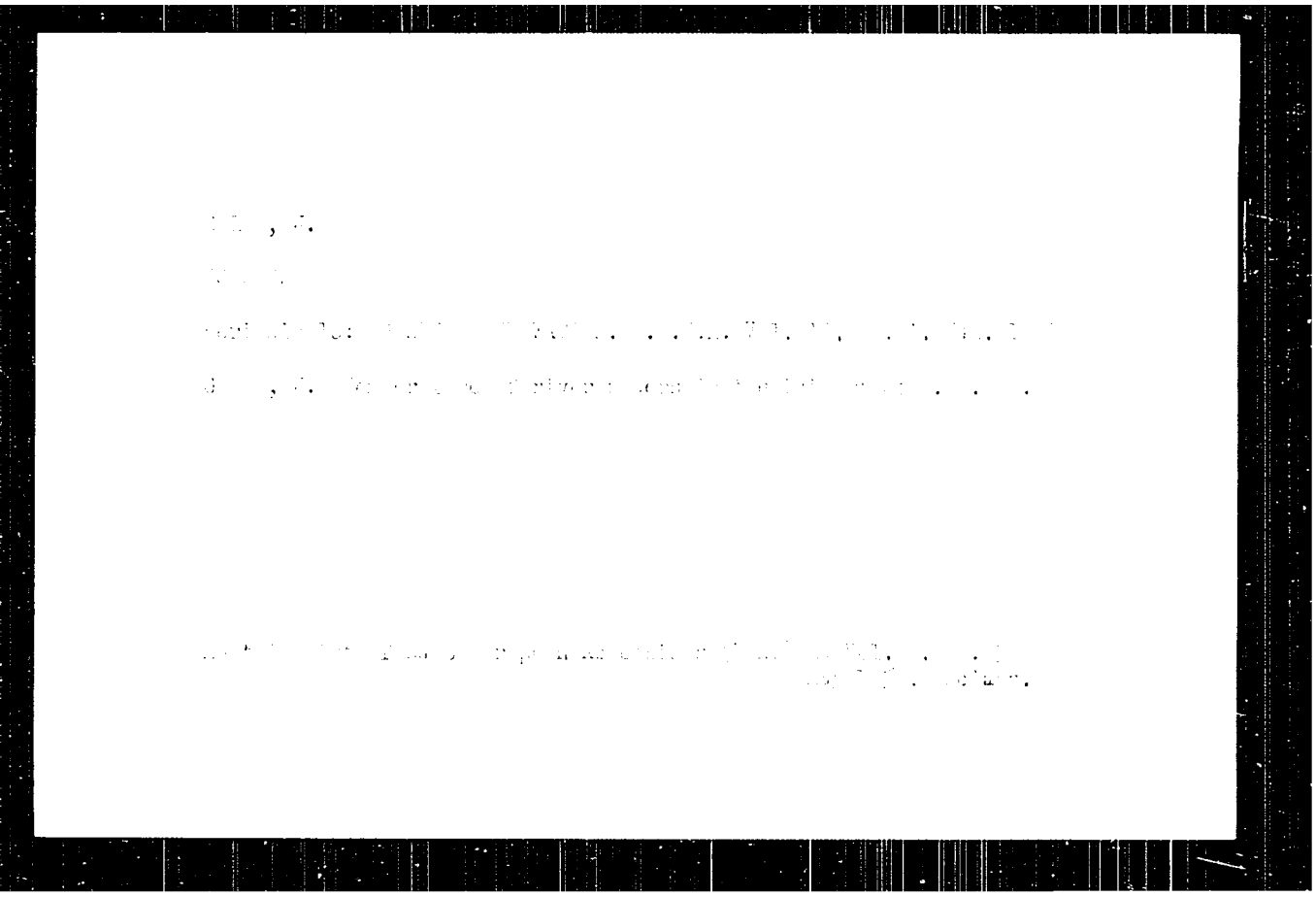

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEK, J.

Remarks on the thermal conditions of Polish rivers. p. 87.

GOSPODARKA WODNA. (Naczelna Organizacja Techniczna) Warszawa, Poland.
Vol. 19, no. 2, Feb. 1959.

Monthly list of East European Accessions Index, (EEAI), LC, Vol. 8, no. 6,
June 1959
uncla.

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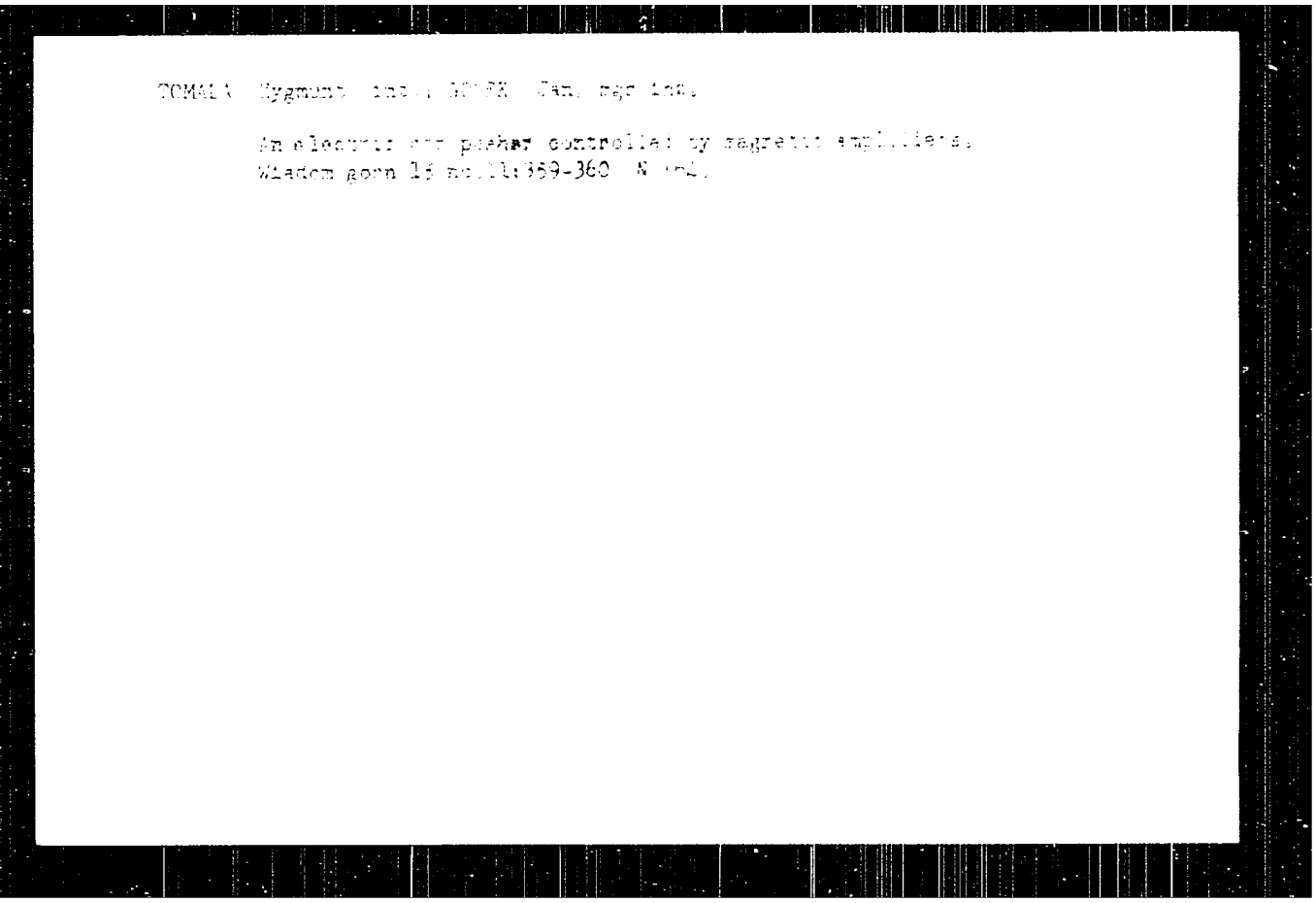

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ACC NR: AP6036807 SOURCE CODE: PO/0039/66/000/011/0466/0473

AUTHOR: Goczal, Jan (Master engineer); Golek, Jan (Master engineer); Lasota, Julian (Master engineer)

ORG: none

TITLE: New method of solution annealing narrow strips with direct resistance heating

SOURCE: Hutnik, no. 11, 1966, 466-473

TOPIC TAGS: steel heat treatment, steel solution annealing, solution annealing equipment, annealing, pyrometer

ABSTRACT: A new method and equipment for annealing narrow steel strips has been tested. In this method (see Fig. 1) steel strip 1 unrolls from drum 2 around guiding roll 4 and over roll electrodes 5 and 6 where it is heated to the required temperature. The flanges of rolls 5 and 6 are immersed in liquid Wood alloy 9 connected to transformer leads 8. The annealed steel strip is rapidly cooled by a stream of air from nozzle 10 and coils around drum 3. The temperature is measured by photoelectric pyrometer 11. The heat loss is prevented by insulating screens 12. The method was successfully tested on 1H18N9T steel strips, 30 mm wide and 0.5 mm thick, at speeds of 12 and 25 m/min, at 1100 and 1130C, respectively. Other types of tested strips were OH18N9 steel strips (98 x 0.8 mm) and H17 steel strips (105 x 0.5 mm). The new

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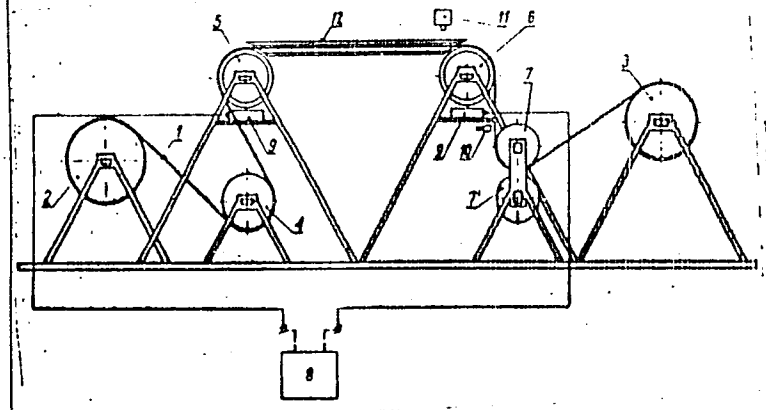

Fig. 1. Layout of equipment for continuous annealing of narrow strips with direct resistance heating

method fulfills all the quality requirements and at the same time speeds up the annealing process by about six times, as compared with the conventional method. Orig. art. has: 10 figures and 9 formulas.

SUB CODE: 11, 13, 14/ SUBM DATE: none/ ATD PRESS: 5107

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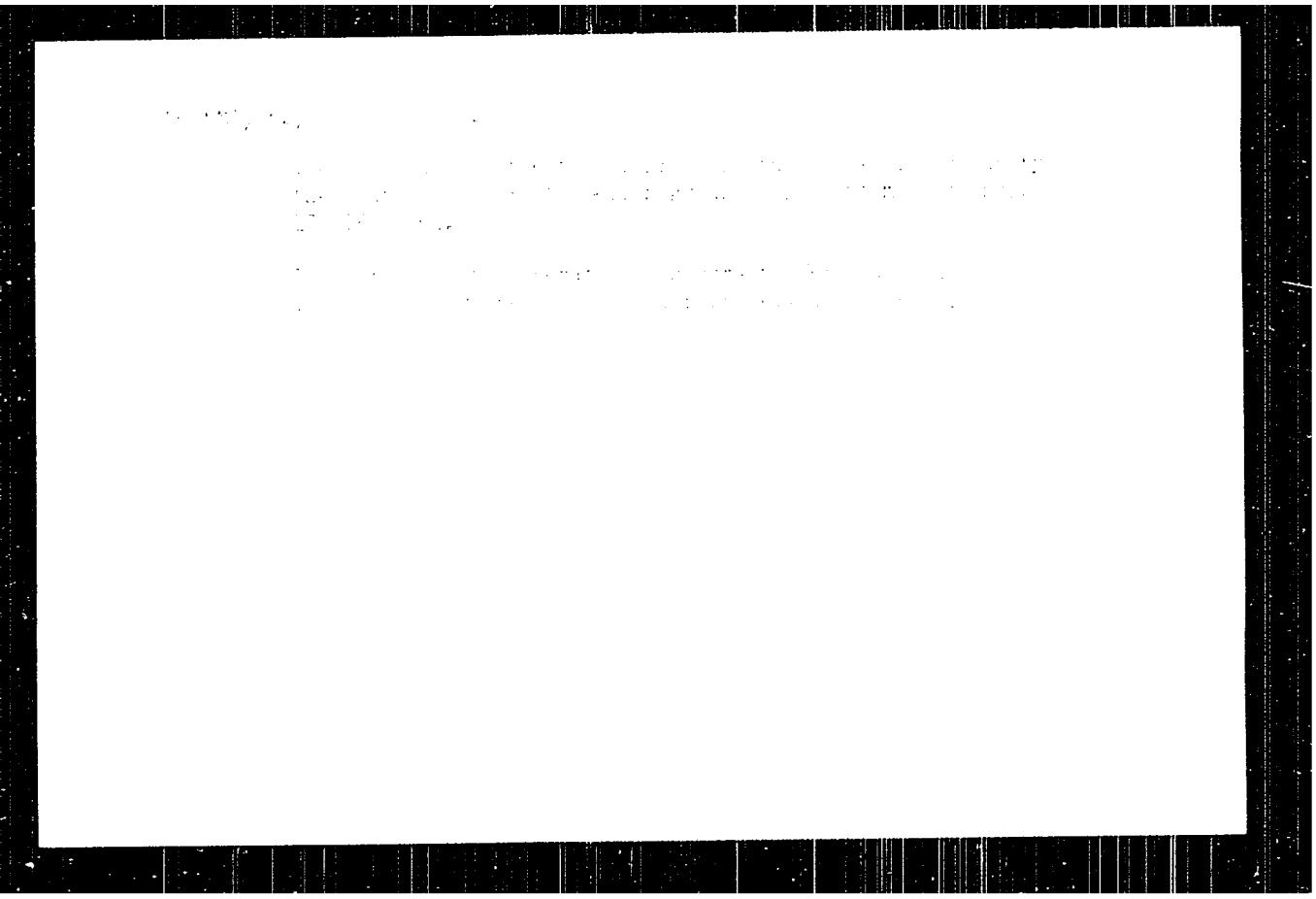

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

[redacted]V, Kristo
SURNAME, Given Names

Country: Bulgaria

Academic Degrees: not given

Affiliation: not given

Source: Sofia, Khigiena, Vol IV, No 5, Sep/Oct 1961, pp 45-50

Data: "The Role of Our Renaissance Press in the Fight against Self-Appointed Quacks and for True Medical Aid to the Population."

GPO 981643

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANOV, Khr.; MALIAKOV, M.

Studies on the problem of the time of seeking medical aid by patients with breast cancer in the Sofia region. (the period 1952-1961). Khirurgiia (Sofiia) 16 no.10: 925-929 '63.

1. Respublikanski dom za zdravna prosveta (gl. lekar: Khr. Golemanov) i Okrizhna bolnitsa "D-r.R.Angelov", Sofiia (gl. lekar: P.Kotsev).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

[redacted], ..

Cutting notches and polishing cylindrical rollers in flour mills. p. 22

Vol. 4, no. 4, oct./dec. 1955
[redacted]
Sofiya, Bulgaria

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

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GELINOV, K.; PESHEV, I.; GOLEMANOV, V.

Case of ornithosis. Suvrem. med., Sofia 8 no.12:109-113 1957.

1. Iz Klinikata po bolnichna terapiia pri VMI-Sofiia (Zav. katedrata; prof. Al. Pukhlev) i Instituta po rentgenologiia i radiologiia pri VMI --Sofiia (Zav. katedrata: prof. A. Nikolaev).

(ORNITHOSIS, differ. diag.
pneumonia, atypical (Bul))
(PNEUMONIA, differ. diag.
ornithosis, from atypical (Bul))

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

PRUVCHEV,N.; COLEMANOV,V.

On the problem of sinusitis in childhood. Khirurgiia (Sofiia) 16 no.10:937-947 '63.

1. Visshi meditsinski institut, Sofiia, katedra po ushni, nosni, i gurleni bolesti. Rukovoditel na katedrata: prof. G.IAnkov.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANSKI, V.

Protozoa and low temperatures. Prir i znanie 14 no.1 [illegible]

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANSKI, Vasil Gr. biolog.

Unicellular organisms in service to man. Prir i znanie 12 no.10: 11-13 D '59. (EEAI 9:10)
(Cells)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANSKI, Vasil Gr.

Coccidia on the domestic mammals and poultry. Prir i znanie 13 no.4: 9-12 Ap '60. (EEAI 9:10)

(Scale insects) (Mammals) (Poultry)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANSKI, Vasil

Animal rockets. Prir i znanie 14 no.10:7-9 O '61.

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GOLEMANSKI, Vasil Gr.

Studies on the species and biology of Coccidae in turkeys in Bulgaria. Godishnik biol 54/55 no.1:229-245 '59/60-'60/61 [publ. '62].

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANSKI, V.

130 years of the death of J.W. von Goethe. Some of his aphorisms and utterances. Prir i znanie 15 no.2:23-24, F '62.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANSKI, V., asistent (gr. Ntserkore, Gvinea)

From the biology of termites. Priroda Bulg 11 no.5:86-90 S-O '62.

1. Katedra po obshta biologiia pri Sofiskiia durzhaven universitet.

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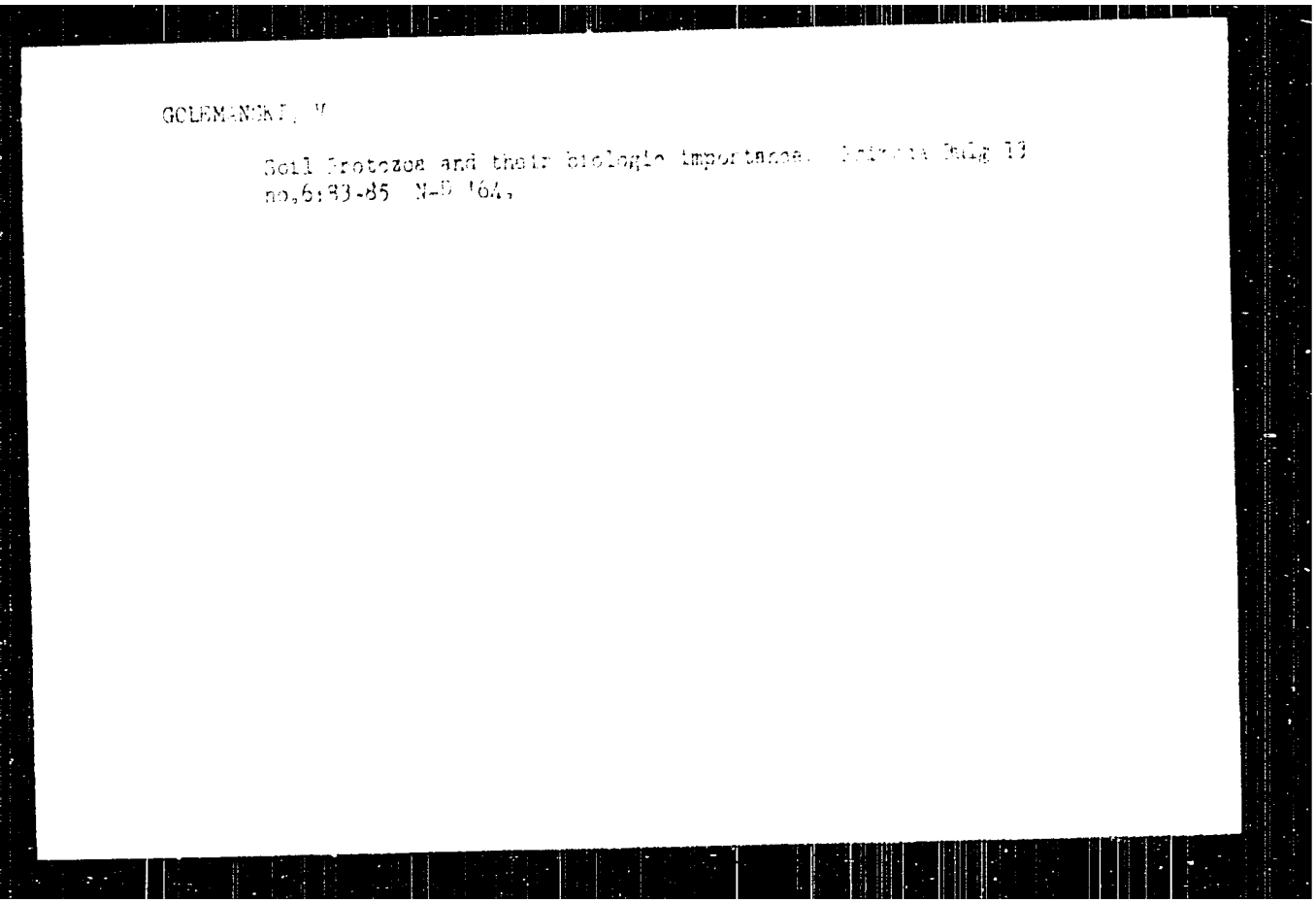

GOLEMANSKI, V

Soil protozoa and their biologic importance. Priroda Sofia 13 no.6:83-85 N-D '64.

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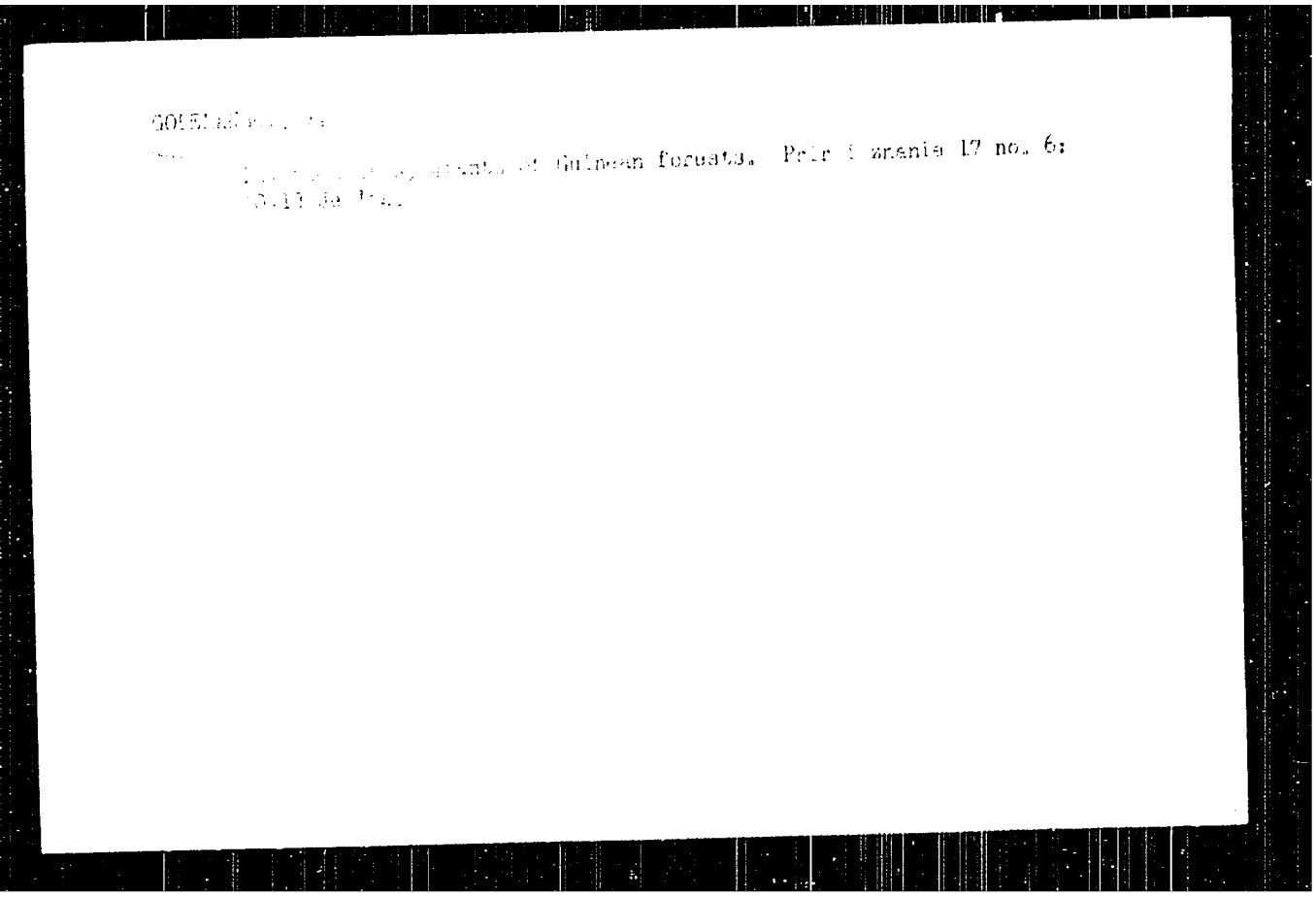

[illegible] Guinean forests. Priroda 17 no. 6: [illegible]

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GOLEMANSKI, Vasil Gr.

Species and biology of Coccidae on birds in Bulgaria. Pts.2-3. Godishnik biol 50 no.1:71-103 '61-'62 [publ. '64].

1. Chair of General Biology, Rural Economy, and Teaching of Natural Sciences of the Faculty of Biology, Geography, and Geology of the University of Sofia, Sofia (Head of the Chair: [docs.] I.I.Karagecrgiev).

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GOLEMANSKI, Vasil

Studies on the epibiont Infusoria in the Gammarus (Rivulogammarus) crustaceous genus in Bulgaria. Izv Zool inst BAN 13:157-165 '64.

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MATI[illegible] GOLEMANSKY, V. [Golemanski, V.]

A contribution to the knowledge of Lithobiidae (Chilopoda, Lithobiomorpha) in Bulgaria. Godishnik biol 57 no.1:99-106 '62-'63 [pub. '64].

1. Chair of [illegible] of the [illegible] Institute of Cluj, Cluj, [illegible]. [illegible] Biology of the Faculty [illegible] the University of Sofia, [illegible] Karageorgiev, Il. [Karageorgiev, [illegible]].

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

A[illegible]V, Vardan Yakovlevich; GOLEMBA, Pavel Io[illegible]ifovich;
[illegible], L.[illegible], red.

[Fenodormatoser] [illegible] II. [illegible], [illegible], [illegible].
30[illegible] p. ([illegible])

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P. I. Maj

USSR/Medicine - Lymphogranuloma Venereum Jan/Feb 1948
Medicine - Penicillin

"Penicillin Therapy of Quaternary Venereal Disease," Maj P. I. Golemba, Med Corps; Sr Lt Ye. K. Rembolovich, Med Corps, N-th Mil Hosp, 2 pp

"Vest Vener i Dermat" No 1

PA 41T82

Studies gave following results: 1) Penicillin is very effective therapeutic for treatment of lymphogranulomatosis of the groin. 2) In most cases penicillin alone is sufficient for healing. 3) Penicillin greatly reduces number of days necessary for treatment as bed patients. 4) Dose can be reduced considerably if a sulfide-penicillin compound is used. 5) Intramuscular

41T82

USSR/Medicine - Lymphogranuloma Venereum (Cont'd) Jan/Feb 1948

41T82

injections are a most effective method of therapy. Chief of N-th Military Hospital is Col I. I. Okhlobystin, Med Corps.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

USSR/Medicine - Penicillin May/Jun 48
Medicine - Gonorrhea, Therapy

"Criterion of Recovery Following Penicillin Therapy," Maj P. I. Golemba, Med Sv, Capt Z. I. Bloch, Med Sv, 1½ pp

"Vest Venerol 1 Dermatol" No 3

Discovery of intracellular gonococci on the day after completion of penicillin therapy, especially in those with favorable clinical report, does not indicate therapeutic failure. In some cases, those gonococci which had been once observed disappeared without further treatment. Results

18/49T76

USSR/Medicine - Penicillin (Contd) May/Jun 48

of penicillin therapy can be judged only by repeated microscopic examinations.

18/49T76

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

USSR/Medicine - Literature, Medical Jul/Aug 48
Medicine - Venereal Diseases, History

"Review of A. N. Osharov's Book, 'Handbook on Venereal and Other Skin Diseases,'" P. I. Golemba, 1½ pp

"Vest Venerol i Dermatol" No 4

Reviews favorably. Mentions faults which should be corrected in next edition. Published by Tatgosizdat, Kazan, 1947, 169 pp, 3,000 copies.

34/49187

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

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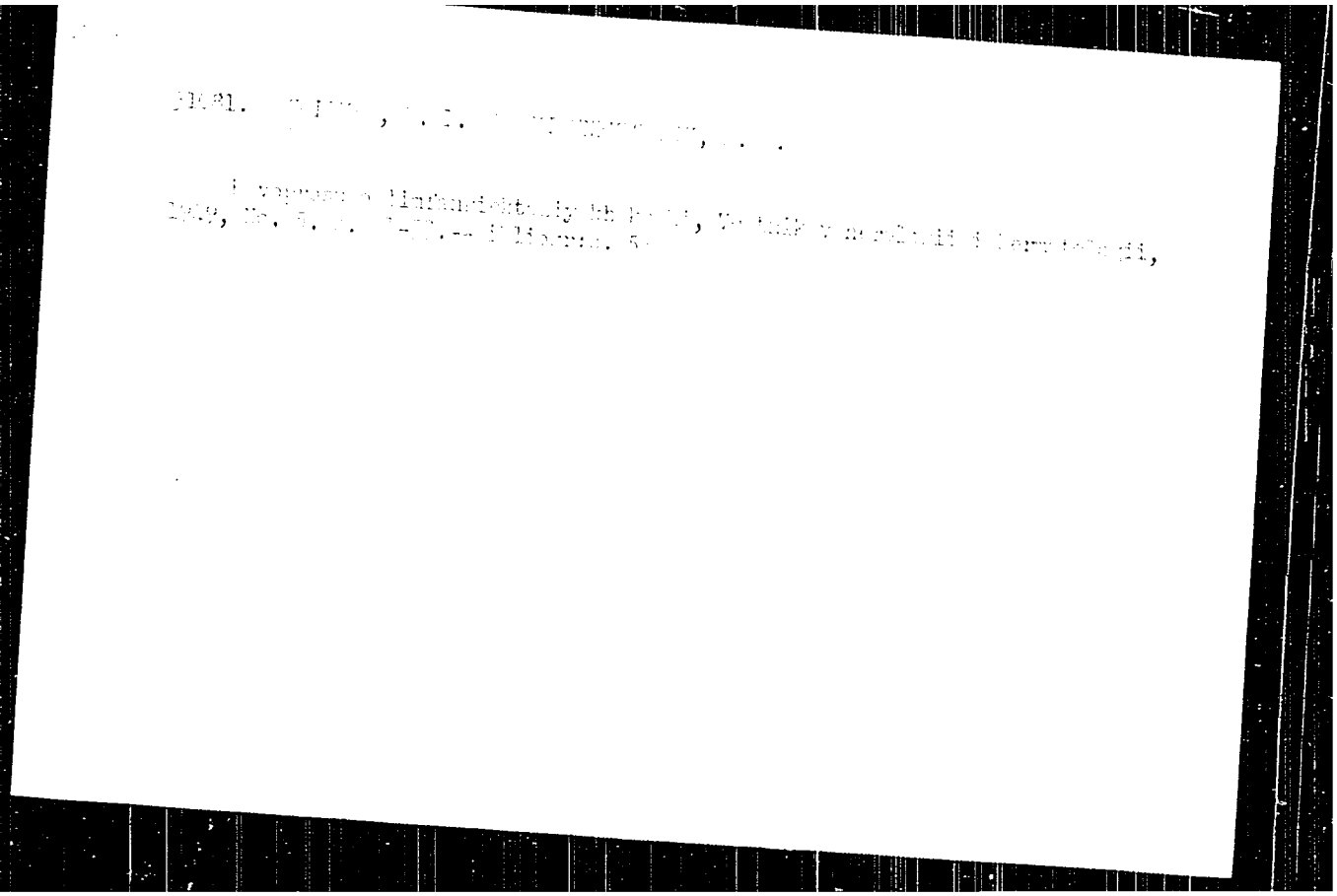

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GOLEMBA, P.I.

USSR/Medicine - Venereal Diseases, Jan/Feb 50
Prevention

"Second Thematic Conference on the Organization of the Control of Venereal and Skin Diseases in Rural Areas," P. I. Golemba, Cand Med Sci, L. S. Iof, Cand Med Sci

"Vest Venerol i Dermatol" No 1, pp 42-58

Details conference held 28-30 Sep 49 at Cen Dermato-Venereal Inst. Opening address given by A. I. Shabanov, Dep Min, Min of Pub Health USSR. Addresses given by V. Ya. Arutyunova, head of Sec on Control of Venereal and Skin

163T42

USSR/Medicine - Venereal Diseases, Jan/Feb 50
Prevention (Contd)

Diseases of the ministry, G. F. Konstantinov, head of Adm for Med and Prophylactic Aid to the Rural Pop of the ministry, and others.

163T42

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLYEMBA, P. I.

Hemosiderosis of the skin. Vest. vener., Moskva no.5:22-24 Sept-Oct 1951.
(CIML 21:1)

1. Candidate Medical Sciences. 2. Of the Department of Dermatology (Head -- Prof. L. N. Mashkilleyson), Central Skin-Venereal Institute (Director -- Candidate Medical Sciences N. M. Turanov) of the Ministry of Public Health USSR.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P.I., kandidat meditsinskikh nauk.

[Care of the skin and the hair] Ukhod za kozhoi i volosami. Moskva, Medgiz, 1953. 46 p. (MLRA 6:12)
(Hair--Care and hygiene) (Skin--Care and hygiene)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, F. I.

4787. GOLEMBA, F. I. Ukhod za kozhey i volosami. --- a. a. chalov. gnoynich-kovyye zabolevaniya kozhi. riga, latgosizdat, 1954. 72s. s ill. 17 sm. (b-ka)(zdorov'ya). 5.000 ekz. 90 k. -- na latysh. yaz. --- (54-57104) 613.4+616.5-002.3

SO: Letopis' Zhrunal' nykh Statey, Vol. 7, 1949

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P.I.

GOLEMBA, P.I., kandidat meditsinskikh nauk

Epidemiological importance of pityriasis simplex of the face. Vest. ven. i derm. no.1:45 Ja-F '55. (MLRA 8:4)

1. Iz 13-y detskoy infektsionnoy bol'nitsy Mosgorzdravotdela.
(SKIN--DISEASES) (COMMUNICABLE DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P.I., kandidat meditsinskikh nauk, (Moskva)

Furacillin therapy for pyoderma in children. Vest.ven. i derm. no.3:52-53 My-Je '55. (MLRA 8:10)
(SKIN--DISEASES) (FURALDEHYDE)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ARUTYUNOV, V.Ya.,professor.; GOLEMBA, P.I., kandidat meditsinskikh nauk.

"Diseases of the hair and scalp" (in French). A. Doucux, ed. Reviewed by V. IA. Arutiunov, P.I. Golemba. Vest. ven. i derm. no.5:55-56 S-O '55. (MLRA 9:1)

(HAIR--DISEASES) (SCALP--DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P.I.

ARUTYUNOV, V.Ya., prof.; GOLEMBA, P.I., kand.med.nauk (Moskva)

Clinical aspects and therapy of the cutaneobullous form of porphyrin disease. Klin.med. 35 no.7:115-118 Jl '57. (MIRA 10:11)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir. - prof. V.Ya. Arutyunyan) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta (dir. - kandidat meditsinskikh nauk P.N.Leonenko)

(PORPHYRIA, complications,
skin bullous dis. (Rus))
(SKIN DISEASES, etiology and pathogenesis,
bullous dis. in porphyria (Rus))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P.I., kand.med.nauk

Epidemiology of herpes zoster [with summary in English]. Pediatriia 36 no.4:59-62 Ap'58 (MIRA 11:5)

1. Iz 13-y detskoy infektsionnoy bol'nitsy Mosgorzdravotdela (glavnyy vrach Yu.P. Panfilova)
(HERPES ZOSTER)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ARUTYUNOV, V.Ya.; GOLEMBA, P.I.

Problem of keratoacanthoma. Vop.onk. 5 no.10:480-483 '59.
(SKIN--TUMORS) (MIRA 13:12)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P.I., kand.med.nauk

On the problem of reticulosis in dermatology; a survey. Vest.derm. i ven. 33 no.5:33-40 S-O '59. (MIRA 13:2)
(RETICULOENDOTHELIOSIS)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ARUTYUNOV, V.Ya.; GOLEMBA, P.I.; ODINOKOVA, V.A.

Skin changes in reticulosis. Klin.med. 38 no.7:120-128 '60. (MIRA 13:12)
(RETICULO-ENDOTHELIAL SYSTEM--DISEASES)
(SKIN--DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ARUTYUNOV, V.Ya.; GOLEMBA, P.I.; ODINKOVA, V.A.

Clinical and pathoanatomic symptoms and course of reticulosis of the skin. Vop. klin. pat. no.2:252-256 '61 (MIRA 16:12)

1. Iz kliniki kozhnykh bolezney (zav. - prof. V.Ya. Arutyunov) i patoanatomicheskogo otdela (zav. - prof. S.B.Vaynberg [deceased]) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni Vladimirskogo.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ARUTYUNOV, V.Ya., prof.; GURVICH, Ye.I., prof.; GOLEMBA, P.I., kand.med.nauk

Skin manifestations in nodular vasculitis. Vest.derm.i ven. no.5: 29-33 '61. (MIRA 14:12)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir. - prof. V.Ya. Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirskogo (dir. - kand. med.nauk P.M. Leonenko).
(BLOOD VESSELS--DISEASES) (SKIN)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ARUTYUNOV, V.Ya., prof.; GOLEMBA, P.I., kand.med.nauk

Controversial problems in hemoderma. Vest.derm.i ven. no.8: 7-13 '62. (MIRA 15:9)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir. - prof. V.Ya. Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirskogo (dir. - zasluzhennyy vrach respubliki P.M. Leonenko).
(BLOOD--DISEASES) (SKIN--DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ARUTYUNOV, V.Ya., prof.; GOLEMBA, P.I., kand.med.nauk

Eosinophilic reticulosis of the skin. Sov.med. 26 no.8:112-118 Ag '62. (MIRA 15:10)

1. Iz kliniki dozhnykh i venericheskikh bolezney (dir. - prof. V.Ya.Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F.Vladimirskogo (dir. - kand.med. nauk P.M.Leonenko).

(LEUKEMIA) (SKIN--DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBA, P.I.

Zonal ultraviolet irradiation in some dermatoses. Vop.kur. fizioter. i lech. fiz.kul't. 28 no.2:143-146 Mr-Ap '63. (MIRA 16:9)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir.-prof. V.Ya. Arutyunov (Moskovskogo oblastnogo klinicheskogo instituta imeni M.F.Vladimirskogo (dir. - kand.med.nauk. P.M. Leonenko).

(ULTRAVIOLET RAYS--THERAPEUTIC USE)
(SKIN--DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMANSKI, Vasil

Cultivation and study of Paramecium caudatum Ehrenberg.
Biol i khim 7 no.5:59-62 '64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ACC NR: AT7004332 SOURCE CODE: UR/0000/66/000/000/0150/0155

AUTHOR: Golembo, V. A. (L'vov); Kirianaki, N. V. (L'vov)

ORG: none

TITLE: Reference-voltage sources with small time drift

SOURCE: AN UkrSSR. Metody i sredstva preobrazovaniya informatsii (Methods and means of information conversion). Kiev, Naukova dumka, 1966, 150-155

TOPIC TAGS: voltage stabilization, voltage stabilizer

ABSTRACT: The zero-point drift of reference voltage sources depends on the stability of the voltage-regulating (Zener) diodes used. Soviet-made and foreign diodes (I. Monroe et al., Instr. Contr. Sys., no. 1, 1962) are stable in time within 0.008—0.02%, which is inadequate for some applications. The stability of a voltage stabilizer can be enhanced by connecting a number of Zener diodes in

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ACC NR: AT7004332

series, thus averaging their instability characteristics and reducing the instability on the whole. Probabilistic curves of the time instability of voltage stabilizer against the number of series-connected diodes demonstrate the efficiency of the method, which is held particularly suitable for constant-load applications. Orig. art. has: 6 figures and 4 formulas.

SUB CODE: 09 / SUBM DATE: 14Jul66 / ORIG REF: 006 / OTH REF: 003

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

J

POLAND/Soil Science - Soil Biology.

Abs Jour : Ref Zhur Biol., No 19, 1958 86794

Author : Vrubel' T., Golembevska, Yu.
Inst : -
Title : The Inoculation of Leguminous Plants with Nodule-Forming Bacteria in Various Soils.

Orig Pub : Acta microbiol. polon., 1956, 5, No 1-2, 121-134

Abstract : A study was made of the effects of nodule-forming bacteria on the crop and on N accumulation in alfalfa, lupine, saradelle, peas in sandy, sandy loam, alluvial soils, podzolic loam, loess and chernozem in vegetation experiments. With bacterization, the alfalfa especially in sandy, sandy loam soils and loess produced the greatest gains in crop and N. The pea crop was raised only on sandy loam soil and podzolic loam, of lupine in all soils, saradelle in podzol loam and especially in alluvial soil. It is noted that the dimensions, forms, arrangement, coloration of the root

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POLAND/Soil Science - Soil Biology.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86[illegible]

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

S/704/61/000/002/005/006
D201/D302

AUTHORS: Golembiovskiy, P.S. and Mezhennyy, Yu., Ya., Engineers

TITLE: A thyratron time relay for relay protection and system automation

SOURCE: Ukraine. Gosudarstvennaya planvoya komissiya. Institut avtomatiki. Avtomatizatsiya i priborostroyeniye; sbornik nauchnykh trudov, no. 2, Kiyev, 1961, 139-146

TEXT: The authors described a thyratron time relay developed by them at the Institute of Automation. The relay is intended for relay protection systems, has a small power consumption, good temperature stability and has no mechanical moving parts. The main component used is a cold cathode thyratron MTKh-90 (MTKh-90), although other types of cold cathode thyratrons may be used. The principle of operation is the discharge of a capacitor. The capacitor is connected at the bottom end of a potentiometer, whose upper part consists of a variable resistor connected to an HT rail. Limiting resistor connects the thyratron grid to the RC junction. The

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

S/704/61/000/002/005/006
D201/D302

A thyratron time relay ...

thyratron has in its anode circuit an interval d.c. relay which is able to switch considerable powers. The re-setting of the relay is achieved by connecting a semi-conductor diode parallel to the variable resistance of the RC potentiometer chain. With the control signal applied (i.e. with application of the voltage to the circuit) the diode is biased in reverse at its cathode by the positive potential of the HT rail. When the control signal is removed, the diode anode, connected to the charged capacitor of the thyratron grid circuit, becomes more positive than its cathode, the diode conducts and the capacitor in the grid circuit discharges quickly through the resistor of the RC chain and the resistances of the supply filter and the thyratron anode current limiting resistor. The relay may be d.c. or a.c. operated, the only difference being a bridge rectifier incorporated between the a.c. supply and the thyratron circuit. Laboratory experiments with the above type of d.c. or a.c. operated time relay have shown the following. The relay consumes little power and has a small spread of operating time characteristics (less than ± 0.1 sec), it has a good temperature stability, permits a large number of operations (0.5 – 1 million) and easy changes of its range by a simple change of the RC network

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

A thyratron time relay ... S/704/61/000/002/005/006
D201/D302

components. It is concluded that it is possible to have a time relay operating for 0-1, 0-10 and 0-20 sec., i.e. at all time interval ranges used in relay protection. There are 5 figures and 10 references: 9 Soviet-bloc and 1 non-Soviet bloc

Card 3/3

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLEMBIOVSKIY, P.S., KOSTENKO, V.A.

Device for directional signaling of short circuits to ground in noncompensated electric power distribution networks. Avtom. i prib. no.3:58-61 Jl-S '64. (MIRA 18:2)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

GOLENKOVKIY, Pavel Semenovich, inzh., SLESS', Ivan Petrovanovich, inzh.; KALASHNYY KIY, Yevgeniy Ivanovich, inzh.; [illegible], Pavel Matveyevich, kand. tekhn. nauk; [illegible], Vladimir Yakovlevich, inzh.; [illegible] V, S.Ya., inzh., retsenzent

[Relay protection and automatic control devices using operative a.c. Releinaia zashchita i upravliaiushchie avtomatiki na peremennom operativnom toke. [by] P.S.Golenkovskii i dr. Kiev, Tekhnika, 1964. 209 p. (MIRA 17:10)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

KANTER, I.I., inzh.; GOLEMBIOVSKIY, Yu.M., inzh.; MAZIN, B.A., inzh.

Three-phase bridge-type transistor frequency converter.
Elektrotekhnika 34 no.10:64-68 O '63. (MIRA 16:11)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

ORLOWSKI, Jan; GOLEMBIOWSKI, Jacek; GRZEBIENIOWA, Zofia

Isolation of the γ-isomer from technical hexachlorocyclohexane. Pt. 2. Przem chem 39 no.1:32-34 Ja '60.

1. Instytut Przemysłu Organicznego, Warszawa, Zakłady Chemiczne AZOT, Jaworzno

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

[redacted], S.; Popielarz, E.; Gieczewicz, T.

The problem of seasoning wood in the vapors of organic liquids in the light of present achievements. p. 251.
(PRZEGLĄD DRZEWNY. Vol. 7, No. 8, Aug. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957. Uncl.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515720003-8

20993

P/013/61/000/002/001/001
B115/B215

21.7000

AUTHOR: Golembiowski, Stanislaw, Magister

TITLE: Use of nuclear reactors for the synthesis of nitrogen oxides and other chemical compounds

PERIODICAL: Chemik, no. 2, 1961, 49-52

TEXT: The present paper, a compilation of several studies in this field is the first of a series of publications on the possibilities of applying radiochemistry and isotopes. A Pracownia Izotopów (Laboratory of Isotopes) is being established at the Instytut Chemii Nieorganicznej (Institute of Inorganic Chemistry). Industrial requirements and interests have to be taken into account in setting up the working subjects of the laboratory. In the nuclear reactor, the fragment energies of (a) quantum, (b) particle, and (c) fission can be utilized for the formation of chemical compounds. Depending on the construction of the reactor, mainly energies (a) and (b) (version I) or (a), (b), and (c) (version II) are utilized. Since the fragment energy amounts to 84% of the fission energy, only (c) will be used in version II. (1) Source of energy for the synthesis of nitrogen oxides.

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