KIAU:EN. A.J., insh., red.; SIIAYRV, A.F., kand.tekhn.nauk, red.; MAMAKIN,

[Improving the quality of steel castings; papers of an All-Union conference]Uluchshenie kachestva stal'nykh otlivok; trudy Vsesoiusno-go soveshchania. Moskva, Gos. nauchno-tekhn. isd-vo meshinostroit. lit-ry, 1958. 214 p. (MIRA 11:4)

1. Nauchno-tekhnicheskoye obshchestvo mashinostroitelinoy promyshlennosti. Liteynaya sektsiya. Komitet stali. (Steel castings)

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SHKLENNIK, Ya. I.; BERAMOV, A.V.; IVANOV, V.W.; KAZEMMOV, S.A.; KURCHMAM, B.S.; LYASHCHMEKO, W.W.; MARULIDI, R.A.; MILITSIM, G.K.; CZEROV, V.A.; SITHICHEMKO, A.I.; TELIS, M.Ya.; EHEMEIN, M.L.; TITOV; W.D., kand.tekhn.nauk, retsensent; KLAUZEM, A.I., insh., retsensent; MARKIZ, Tu.L., insh., red.; TIKHAMOV, A.Ya., tekhn.red.; CHERNOVA, Z.I., tekhn.red.; EL'KIND, V.D., tekhn.red.

[Precision casting] Lit's po vyplavliaemym modeliam. Leningrad, 1961. 455 p. (NIRA 15:2)

	KLAU ZEN,	, A.I.				,								
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12051-66 CODE: UR/0413/68/000/006/0078 INVENTOR: Klausner, G. M.; Sedymova, L. P.; Murasev, M. ORG: none "Arsamit" Class 39, No. 17991 TITLE: Method of hardening SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. TOPIC TAGS: phenolformaldehyde, resin, nitric acid/ Arzamit paste ABSTRACT: An Author Certificate has been issued for a method of harden "Arzamit" paste with a base of modified phenolformaldehyde resins by asis room temperature and followed by step-by-step heat treatment. To obtain resistant to the effect of oxidation agents such as 60% nitric acid, the heat treatm is carried out first at about 100C, then about 140C, and finally about 170C over period of 1-3 hr. [Translation] SUB CODE: 11/ SUBM DATE: 19Jan65/ UDC: 678. 632. 028:66. 046, 4 Card 1/1

8/844/62/000/000/095/129 D204/D307

Dogadkin, B. A., Tarasova, Z. N., Kaplunov, H. Ya., Koz-AUTHORS:

lov, V. T., Klauzen, I. A. and Matveyev, V. S.

The interactions of sulfur with polymers under the action TITLE:

or irradiation

Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khi-SOURCE:

mii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962,

554-562

TEXT: The interactions of S with natural rubber, 1,4-cis-polybutadiene, butadiene-styrene and butyl rubber was studied, under irradiation from a Co 60 source. S added on to natural rubber at 25 -100°C and to butadiene-styrene rubber and polyethylene at 25°C, under argon, in amounts increasing with the dose (0 - 120 Mr), the rate of addition being faster at higher temperatures. At room temperature the amount of S added on is independent of the initial Sperature that and the same of the initial Sperature that the same of the same of the initial Sperature that the same of the same content in the starting mixture (1 - 10% by weight). The addition

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S/844/62/000/000/095/129 D204/D307

The interactions of ...

was promoted by C_2Cl_6 . The presence of S hindered the development of structurization, which was, however, promoted by raising the temperature from -80 to 100°C. Pure natural rubber developed crosslinking only up to ~50°C, above which temperature the process was reversed; this reversal was not observed in the presence of 2% S, up to 100°C. The presence of 1 - 4% S in CKC-30AH (SKS-30AM) butadiene-styrene rubber led only to a slight reduction in the degree of cross-linking on irradiation. The loss of unsaturation and -CH₂- groups on irradiation was studied (by ir spectroscopy) on natural rubber both in the presence and absence of S, and was found to be greater in the latter case. The S adds on in a form capable of isotopic exchange with elemental sulfur. Initially 70% of the added sulfur may be exchanged in natural and butadiene-styrene

of isotopic exchange with elemental sulfur. Initially 70% of the added sulfur may be exchanged in natural and butadiene-styrené rubbers; this value falls with irradiation to a constant 40% at 50 - 120 Mr. Radiational vulcanizates of natural rubber exhibit increased tensile strength when the polymer contains 2% S, particularly at 100°C; in general, the strength increases with the dose of irradiation. The best strengths were obtained for a mixture of

Card 2/3

The interactions of ...

8/844/62/000/000/095/129 D204/D307

natural rubber, S, and C₂Cl₆. The sulfur is believed to interact with the polymeric radicals (formed on irradiation by C-C fission) to form polysulfides which (a) lower the thermomechanical stability, and (b) prevent recombination reactions and reactions of radicals formed with C=C, thus hindering the development of branched structures. There are 12 figures.

ASSOCIATION: NII shinnoy promyshlennosti (NII of the Tire Industry)

Card 3/3

Spectroscopic investigation of the cis trans is

Spectroscopic investigation of the cistrans isomerization of rubber in the process of its vulcanization. Zav.lab. 28 no.4:438-440 162. (MIRA 15:5)

1. Nauchno issledovatel akiy institut shinnov promyshlennosti.
(Vulcanization) (Tecmorization)

(Spectrum andly in)

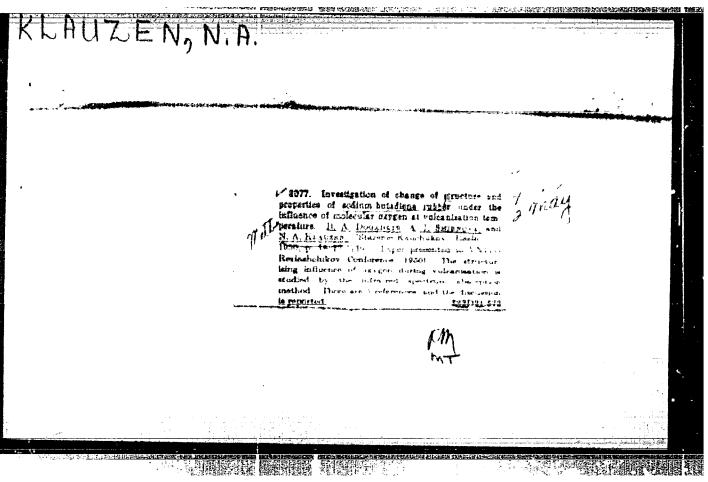
KLAUZEN, L. L., ed.

Sovremennaia tekhnologila vyplavki stali dlia faronnogo litlia / Nedern technology of steel smelting for use in fora casting /. Mod.va, Mashgiz, 1953. 20/ p.

SO: Honthly List of Russian Accessions, Vol. 7 No. 2 May 1754.

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KIAUSSH, H., TOLSTUKHINA, F., DOBROWISLOVA, A., DOGADEJE, B. A., and SALECKOVA, H.

"Structure and properties of different butadiene polymers," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Rubber Research Inst.

B-3,004,395

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KLAUZEN, N.A., Cand Chem Sci -- (diss) "Spectrogra: hie h study of the reaction of rubber with sulpur and oxygen."

Nos, 1958, 9 pp (Min of Higher Education USSR, Inst of Manufacture) of Manufacture of

- 6 -

69-20-3-2/24

AUTHORS:

Dogadkin, B.A.; Tarasova, Z.N.; Kaplunov, M.Ya.; Karpov, V.L.;

Klauzen, N.A.

TITLE:

The Structure and Properties of Rubbers Produced in Irradiation Vulcanization (Struktura i svoystva rezin, poluchennykh pri

radiatsionnoy vulkanizatsii)

PERIODICAL: Kolloidnyy zhurnal, 1958, vol XX, Nr 3, pp 260-271 (USSR)

ABSTRACT:

The vulcanization of rubber products by different nuclear radiation sources has aroused great interest in the last years. The irradiated rubber products usually show better mechanical and chemical properties than those vulcanized by present methods. Rubbers of the types SKS-30A, SKI, SKB, and natural rubber were tested. The samples were irradiated in an atomic reactor or by a Co⁶⁰ source with a dose of 107-10⁸ r. The investigation of the infrared absorption spectra has shown that in the 5.8 M field a broad absorption band corresponds to the carbonyl groups of acids, aldehydes, and ketones. In the 2.8 µ field the absorption band of the hydroxyl groups is shown. The density of the network formed during irradiation vulcanization is determined by the energy dose absorbed, by the type and the composition

Card 1/3

69-20-3-2/24

The Structure and Properties of Rubbers Produced in Irradiation Vulcanization

of the rubber, carbon black and antioxidant, as well as by the irradiation conditions. The number of cross bonds per 100 eV in an air medium is 12 in extracted butadienstirol rubber; 4 in extracted natural rubber; 2.5 in technical SKS-30A. The structurization effect is increased by an increase in temperature, and decreased in the presence of an inhibitor (phenyl-8 -naphthylamin). A correlation has been found between the relative rate of chemical stress relaxation and the density of the vulcanizate network which is due to the formation of C-C bonds during irradiation. The degree of crystallization in the rubber decreases when the irradiation doses are increased. At a dose of $20-30 cdot . 10^6$ r the crystallization is the same as in sulfur vulcanizates of similar network density. Compared with sulfur vulcanizates, the irridiation samples show an aging resistance 4-5 times higher at 150°C, a lower residual deformation, a low hysteresis, a high temperature resistance, etc. There are 12 graphs, 6 tables, and 8 references, 5 of which are Soviet and 3 English.

Card 2/3

69-20-3-2/24

The Structure and Properties of Rubbers Produced in Irradiation Vulcani-

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti;

Moskva (Scientific Research Institute of the Tire Industry,

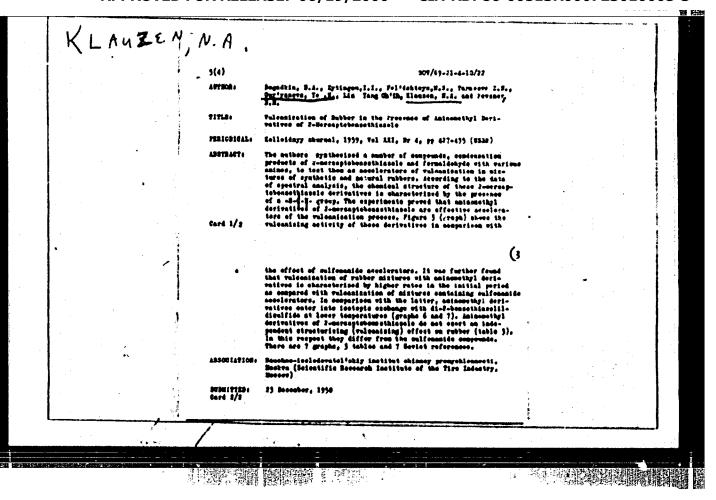
Moscow)

SUBMITTED: October 30, 1957

1. Rubber-Vulcanisation Card 3/3 2. Rubber---Properties -Radiation-Applications

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DOGADKIN, B.A.; EYTINGON, I.I.; FEL'DSHTETH, M.S.; TARASOVA, Z.E.;
TUR'TAHOVA, Ye.E.; LIN'TAH. TSIE'; KLAUZEN, E.A.; PEVZEER, D.M.

Vulcanization of rubber in the presence of aminomethyl derivatives of 2-mercaptobensothiasole as accelerators. Koll.shur. 21 no.4: 427-435 Jl-Ag '59. (MIRA 13:8)

1. Hauchno-issledovatel'skiy institut shinnoy promyshlennosti, Moskva.

(Vulcanization) (Benzothiazole)

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B004/B054

11.2210

AUTHORS:

Tarasova, Z. N., Kaplunov, M. Ya., Kozlov, V. T.,

Klauzen, N. A., Dogadkin, B. A.

TITLE:

Interaction of Sulfur With Natural Rubber Under the Action

of Ionizing Radiation

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, 1960, Vol. 2, No. 8,

pp. 1201-1206

TEXT: The authors study the problem of production of radiation-resisting rubbers, the conditions for a common vulcanization of irradiated and sulfurated rubbers, and the modification of rubbers treated with radiation. The present paper gives the first informative results of investigation of the effect of radiation by Co on rubber in the presence of sulfur. A considerable sulfur addition occurred at 25 C, and was accelerated by an increase in the radiation dose and temperature, particularly by addition of hexane chloro ethane. In thermal vulcanization, the admixture of chloro derivatives showed no effect on sulfur addition. The presence of sulfur delays the structuration as compared with rubber without sulfur admixture.

Card 1/3

Interaction of Sulfur With Natural Rubber Under S/190/60/002/008/007/017 the Action of Ionizing Radiation B004/B054

But structuration increases also here between -80°C and +100°C with increasing temperature. Pure rubber showed at 50°C a reversion of the structuration process, which was not observed in the presence of sulfur in the temperature range investigated. A study of the infrared spectra in argon of irradiated rubbers with and without sulfur showed a decrease in intensity of the 840 cm 1 band due to a reduced degree of nonsaturation. This effect was more intense in the presence of sulfur. The decrease in intensity of the 2940 and 1450 cm-1 bands due to a reduced number of CH2 groups or ring formation was, however, more intense in the presence of sulfur. An investi-gation of the sulfur exchange at 120°C in irradiated rubber tagged with radioactive sulfur, carried out by a method described in Ref. 7, showed that about 40% of sulfur is exchangeable. This amount does not depend on the radiation dose (up to 100 megaroentgens). The high degree of exchangeability is ascribed to a formation of polysulfide groups. Sulfurous rubbers with addition of hexachloro ethane showed, on irradiation with 20 megaroentgens, maximum values of tensile strength (about 130 kg/cm2) and of elongation. When irradiating pure rubber, a maximum (about 100 kg/cm2) is only attained at 50-70 megaroentgens. Sulfurous irradiated vulcanizates showed a faster stress relaxation than irradiated vulcanizates free from Card 2/3

Interaction of Sulfur With Natural Rubber Under 5/190/60/002/008/007/017 the Action of Ionizing Radiation B004/B054

sulfur. The authors assume that sulfur addition leads to a more homogeneous and regular structure since secondary reactions causing chain ramification are inhibited. There are 7 figures and 7 references: 3 Soviet, 3 US, and

ASSOCIATION:

Nauchno-issledovatel'skiy institut shinnoy promyshlennosti

(Scientific Research Institute of the Tire Industry)

SUBMITTED:

March 24, 1960

Card 3/3

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23765 s/190/61/003/006/008/019 B110/B216

11.2210

AUTHORS: Drozdovskiy, V. P., Shokhin, I. A., Klauzen, N. A.

TITLE:

Decomposition of butyl rubber and its vulcanisates under

the influence of Co60 y-radiation

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, nc. 6, 1961, 852-860

TEXT: In the absence of oxygen, butyl rubber and its vulcanizates decompose under the influence of ionizing radiation (Co⁵⁰ γ-radiation) similarly to polyisobutylene. The present study deals with the decomposition of butyl rubber and its filled sulfuric and unfilled sulfur-free vulcanizates under the action of Co⁶⁰ γ-radiation in presence and absence of oxygen, the influence of radical acceptors on this process and the plastic-elastic and physicomechanical properties of the radiation regenerate. Irradiation was performed at 25°C in air and in vacuo in flat ampoules (150·14·1 mm) by a method described by the last-mentioned author (Ref. 8: Kolloidn. zh., 20, 260, 1958). Composition and properties of the vulcanizates studied are listed in Table 1. Sulfuric vulcanized rubber was swelled in solutions containing 0.238 mole/l phenyl β-naphthylamine and m-dinitro

Card 1/7

3/190/61/003/006/008/019 3110/3216

Decomposition of butyl rubber and its. ...

benzene, 0.238 and 0.12 mole/1 butylphenyl disulfide, 0.17 mole/1 trichloro-phenyl disulfide and 0.12 mole/1 tetramethylthiuram disulfide. The sulfur-free vulcanizate was swelled in benzene containing 0.134 mole/1 butylphenyl disulfide. Decomposition was determined by measurement of the relative viscosity change in 0.5 % benzene solutions. Infrared spectra6 in the 10-13 µ range were taken before and after irradiation with 50-10 in air and in vacuo. After irradiation, the authors carried out osmotic and viscosimetric molecular weight measurements, and determined the modulus at 300 and 500 % elongation, the break resistance, relative elingation, and the swelling maximum in m-xylene and chloroform extract. After irradiation with 20-10 r, the sulfurio vulcanized rubber, with and without butylphenyl disulfide. was extracted with acetone and analyzed quantitatively for bound sulfur. The quality of the regenerate was tested by means of Co^{60} γ -radiation, after swelling, and its plastic-elastic properties by rolling for 2 min each in refining and mixing rolls. The value of $\eta_{\rm spec}/c$ decreases during irradiation of benzenic rubber solutions in air and in vacuo (Fig. 1). Irradiation with 20.10 r reduces the viscosimetric molecular weight, calculated according to Fox (Ref. 10: T. G. Fox, P. J. Flory: J. Phys. Coll. Chem., 53, 197, 1949), from Card 2/7

23765 S/190/61/003/006/008/019 B110/B216

Decomposition of butyl rubber and its...

264,000 to 41,000. In practice, the decomposition of butyl rubber does not differ from that in oxygen. Irradiation of unfilled sulfuric and sulfur-free vulcanizates with 10, 15, and 20.10 r lowers their break resistance and somewhat increases their relative elongation. The sulfurfree vulcanizate is decomposed more rapidly than the sulfuric vulcanizate. Irradiation of filled vulcanizates leads to a lower modulus, break resistance and slightly lower relative elongation. The swelling maximum in m-xylene and chloroform extract increases. The property changes during radiation of the sulfur-free vulcanizate are very rapid. Butylphenyl disulfide had a greater influence on the decomposition of the sulfuric vulcanizate than on that of the sulfur-free vulcanizate. The presence of oxygen affects all the properties of the filled sulfuric vulcanizate more than the vacuum. In the presence of 0.238 mole/1 sulfide, the sulfur content of sulfuric vulcanizate irradiated with 20.166 r increased by 0.35 % relative to vulcanizate irradiated in the absence of sulfide. A regenerate with good plastic-elastic and physicomechanical properties was obtained from vulcanizate swelled in a solution containing 0.238 mole/1 sulfide and irradiated with 25.10 and 49.10 r. In practice, oxygen does not accelerate decomposition, but only affects the chemical characteristics.

Card 3/7

23765 \$/190/61/003/006/008/019 \$110/8216

Decomposition of butyl rubber and its...

of the decomposition products. Owing to formation of vinylidene groups, RR'C = CH2, the infrared spectrum exhibited a band at 11.25 µ. The decomposition mechanism of butyl rubber by ionizing radiation resembles Sulfur-free vulcanizates decompose faster than that of polyisobutylene sulfuric vulcanizates, and unfilled vulcanizates much more rapidly than filled ones. The presence of free-radical acceptors (e.g. disulfides) accelerates the decomposition of filled vulcanizates. The increased content of bound sulfur shows that addition of sulfur atoms to irradiated vulcanizate takes place. The sulfide reacts more effectively with radicals possessing free electrons at the sulfur atoms instead of the carbon atoms. Oxygen has a slight influence on the decomposition of sulfuric vulcanizates by 7-radiation. Decreased formation of branched structures in the presence of disulfide (free-radical acceptor) is assumed to be the cause of the difference in the physicomechanical properties, at equal plastic-elastic properties, of regenerates subjected to varying radiation doses. Irradiations were performed by V. T. Kozlov, comorker at the physics and chemical laboratory of the NIIShP. in the K-18000 (K-18000) apparatus of the Institute imeni Karpov. M. 1. Arkhangel'skaya carried out the osmotic molecular weight determinations. There are 7 figures, 3 tables, Card 4/7

S/190/61/003/006/008/019

Decomposition of butyl rubber and its...

and 10 references: 2 Soviet-bloc and 8 non-Soviet-bloc. The three references to English-language publications read as follows: Ref. 4: R. Harrington, Nucleonics 14, No 9, 70, 1956. Ref. 5: R. L. Johnson, H. E. Adams, M. Barzan, Rubber World, 137, 73, 83, 90, 1957. Ref. 6: R. Harrington, Rubber Age, 83, 472, 1958.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti

(Scientific Research Institute of Tire Industry)

SUBMITTED: July 28, 1960

Table 1: Composition and properties of unfilled and filled butyl rubber vulcanizates. 1) composition and properties of the vulcanizates; 2) sulfurior vulcanizates; 3) sulfur-free vulcanizates; 4) unfilled; 5) filled; 6) butyl rubber; 7) stack soot; 8) furnace soot; 9) zinc oxide; 10) petrolatum; 11) stearic acid; 12) tetramethylthiuram disulfide; 13) mercapto benzothiazole; 14) p-quinone dioxime; 15) dibenzothiazole disulfide; 16) sulfur; 17) vulcanization at 151°C, min; 18) modulus at 500 % elongation, kg/cm²; 19) break resistance, kg/cm²; 20) relative elongation, %; 21) swelling maximum in m-xylene, %; 22) swelling maximum in benzene, %. Card 5/7

DROZDOVSKIY, V.F.; SHOKHIN, I.A.; KLAUZEN, N.A.

Co⁶⁰ gamma rays induced degradation of butyl rubber and its
vulcanizates. Vysohom.soed. 3 no.6:852-860 Je '61. (MIRA 14:6)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

(Butyl rubber) (Gamma rays)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

TARASOVA, Z. N.; KAPLUNOV, M. IA.; KOZLOV, T. V.; KLAUZEN, N. A.; DOGADKIN, B.A.

Interaction of sulphur and natural rubber under ionizing radiation. Chem prum 11 no.11:601-604 N 161.

1. Vyskumny ustav prumyslu pneumatik, Moskva.

35674 8/032/62/028/004/005/026 B101/B113

15.400

AUTHORS:

Klauzen. N. A., and Dogadkin, B. A.

TITLE:

Spectroscopic study of cis-trans-isomerization of rubber during

vulcanization

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 4, 1962, 438-440

TEXT: The authors studied the change in infra-red spectra during vulcanization of natural rubber (I), polybutadiene rubber (SKD) (II) containing 80% cis-configurations, and polybutadiene rubber (SKBM) (III) containing 65% trans-configurations. Vulcanization was conducted at 143°C with sulfur in the presence of diphenyl guanidine. Results obtained for I: Already after 40 min heating (when only 2-2.5% sulfur was added), the intensity of the 840 cm⁻¹ bands decreased, and a new 965 cm⁻¹ band became visible, the intensity of which increased with increasing amount of bound sulfur. At the same time, the intensity of the 1640 cm⁻¹

Card 1/3

S/032/62/028/004/005/026 B101/B113

Spectroscopic study of ..

band increased, which is characteristic of the stretching vibrations of C atoms in trans-substituted ethylene groups. This suggests migration of the double bond from R1R2C=CHR3 groups with formation of R1CH=CRR2 groups. Vulcanization of II caused a decrease of the 730 cm band and an increase in intensity of the 965 cm band. It was calculated that only 25-30% of the double bonds of cis-configurations was converted to trans-configurations No new bands were observed in III which contained trans-configurations only. These results indicate that the migration of double bonds and the conversion to trans-configuration are characteristic of the vulcanization of rubbers of very different types. Thus, the physicomechanical properties of vulcanizates do not only depend on the type and density of the network but also on what part of the double bonds is converted from cis- to trans-configuration. The present paper was read at the Conference on Spectroscopy, Cor'kiy, July 5-12, 1961. There are 3 figures and 5 non-Soviet references. The four most recent references to English-language publications read as follows: H. H. Railsback, J. E. Haws, C. R. Wilder. Rub. World, 142, no.2 67 (1960); F. J. Linnig, J. E. Stewart. J. Res. Nat. Bur. Stand., 60,

Card 2/3

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TARASOVA, Z. N.; DOGAPKIN, B. A.; LYKIN, A. S.; KAPLUNOV, M. Ya.; KHOZAK, V. K.; KOZLOV, V. T.; SOBOLEV, V. S.; KLAUZEN, N. A.

"Struktura i svoystva vulkanizatov, poluchennykh kombinirovannym deystviem sery i ioniziruyushchikh izlucheniy."

report submitted for 35th Intl Cong, Industrial Chemistry, Warsaw, 15-19 Sep 64.

Nauchno-issledovat'skiy institut shinnoy promyshlennosti, Moscow.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723010005-3

KLAUZEN, N.A.; SEMEROVA, L.P.; SLOVOKHOTOVA, N.A., red.

[Atlas of the infrared spectra of rubbers and of some ingredients of rubber compounds] Atlas infrakrasnykh spektrov kauchukov i nekotorykh ingredientov rezinovykh stesel. Moskva, Khimiia, 1965. 127 p. (MIRA 1819)

CHMIELOWA, Maria; KLAUZINSKI, Rommald

Functional megacolon with involuntary defecation. Pediat. Pol. 40 no.8:865-867 Ag 165.

1. 7 II Kliniki Pediatrycznej AM w Poznaniu (Kierownik: prof. dr. med. O. Szczepski).

2/011/62/019/001/003/017 E073/E136

AUTHOR:

Klauzová, V.

TITLE:

Automatic computer Ural

PERIODICAL: Chemie a chemická technologie. Přehled technické a hospodářské literatury, v. 19, no. 1, 1962, 21, abstract Ch 62-292. (Chem. Stroj. Stav. přístr.

Techn., no.11/12, 1960.)

Information for a wider range of readers on the TEXT: essential problems relating to the computer Ural and the possibilities of its application. The basis of optimum and modern computing methods in the chemical industry is close co-operation between the specialized technical groups and the computer-programmers.

[Abstractor's note: Complete translation.]

Card 1/1

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723010005-3

1 06367-67 mil(d)/FSS-2 OD

ACC NR. AT6015365

SOURCE CODE: UR/0000/65/000/000/0111/0119

AUTHOR: Karachentseva, N. Ya.; Frantsuzova, K. D.; Klavanskaya, F. G.

ORG: none

B+ [

TITLE: The use of communications channels for data transmission q

SOURCE: AN BSSR. Institut tekhnicheskoy kibernetiki. Vychislitel'naya tekhnika (Computer engineering). Hinsk, Nauka i tekhnika, 1965, 111-119

TOPIC TAGS: air communication, wire communication, pulse communication, radio communication, communication channel, communication coding, communication equipment, communication link, communication network, communication system, data transmission, transmission line

ABSTRACT: The authors describe various communication channels for data transmission in the Soviet Union and discuss their reliability. The development of a large network of information processing and computing centers in the Soviet Union has led to the utilization of existing and new communication channels for the transmission of digital data. The reliability requirements for such transmission are much more stringent than for the transmission of verbal data since the digital numerical information is not naturally redundant. The following communication links are used at present: municipal automatic telephone networks, automatic teletype networks, semi-automatic and automatic intercity telephone networks, voice frequency-carrier telegraph links, and supersonic

Card 1/2

L 06367-67

ACC NR: AT6015365

telegraphy. An increase in transmission speed can be achieved either through the use of parallel telegraph-channels or through telephone communication links which have a greater bandwidth. When audio-carrier telegraph is used, the speed of transmission is comparable to the speed of information recording on a punched tape or cards. The information received in this manner is first recorded on an intermediate medium (punched or magnetic tape) and then fed into the computer at a much higher speed. Various transmission channels were evaluated for their reliability using standard test information blocks consisting of 1000 to 2000 digits in the International Code No. 2 and various combinations of correcting codes "2 out of 5" and "3 out of 5". The average errors for various communication modes were as follows: voice frequency carrier telegraph (underground cable)-1 in 16,000; voice frequency carrier telegraph (overhead line)-1 in 14,600; supersonic telegraph (overhead line)-1 in 10,000. The authors include the tables of the test results for the individual communication lines, as well as the calculations of statistical error probabilities. Orig. art. has: 4 figures and 3 tables.

SUB CODE: 17/ SUBM DATE: 15Dec65/ ORIG REF: 000/ OTH REF: 000

Card 2/2 /Ah

THE VUMPD-59 equipment for transmission of selective ringing on high-frequency channels. Biul. tekh.-ekon. inform. no.10:66-68 '59.

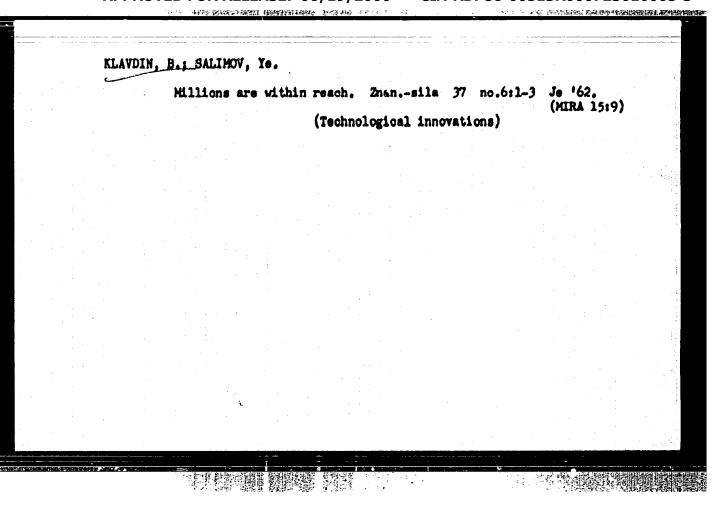
(Railroads--Signaling)

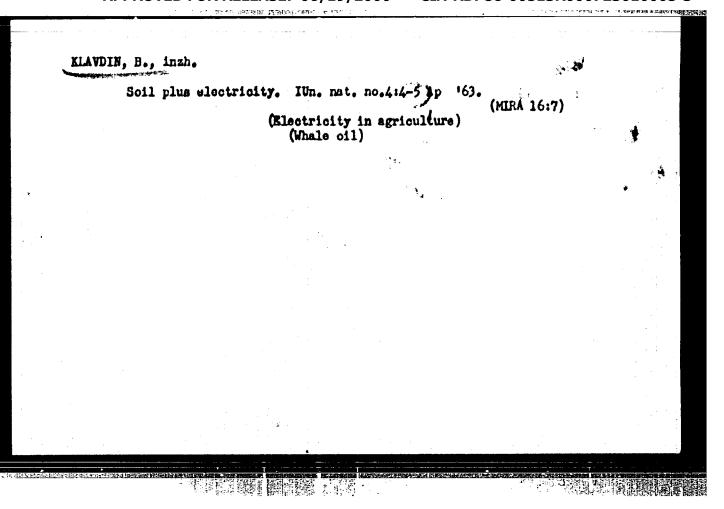
KLAVDIN, Boris Vasil'yevich; MEL'NIKOVA, Zh.M., red.

[Irrigation technique] Tekhnika orosheniia. Moskva, Izd-vo
"Znanie," 1964. 31 p. (Novoe v shizni, nauke, tekhnika.

IV Seriia: Tekhnika, no.?)

(MIRA 17:5)





SPEKTROY, L.A.; KLAVDIYEREO, I.K.; POGULYATEVA, A.1.

Effect of some substance.

Effect of some substance.

In substance.

In

KLADVDIYENKO, L.K

USSR/Analytical Chemistry - General Questions

G-1

Abs Jour

: Referat Zhur - Khimiya, No 2, 1957, 4692

Author

: Spektorov, L.A., Klavdiyenko, I.K., Pozulyayeva, A.I.

Inst

: Academy of Sciences USSR

Title

: Correction to the Paper: "Effect of Some Substances Present in the Sample on Intensity of the Lines of

Molybdenum, Indium and Thallium".

Orig Pub

: Izv. AN SSSR, ser. fiz., 1956, 20, No 3, 317; RZhKhim,

1956, 19534.

Abstract

: In the paper and abstract (5-th line from beginning) in lieu of "Alkali metals increase the intensity of Molines, other elements decrease it. Lines of In and Il are also intensified by K, Na and Li, while other metals do not alter their intensity"; there should be: "Alkali metals increase the absolute intensity of the lines of Mo. Sn and Il. Addition of K and Na causes practically no change in the intensity of analytical lines of In".

Card 1/1

- 18 -

EXPERITEDATOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-

Semiautomatic production line for processing window sashes.

Sbor.vnedr.rats.pred. v les. i meb.prom. no.2:22-24 159.

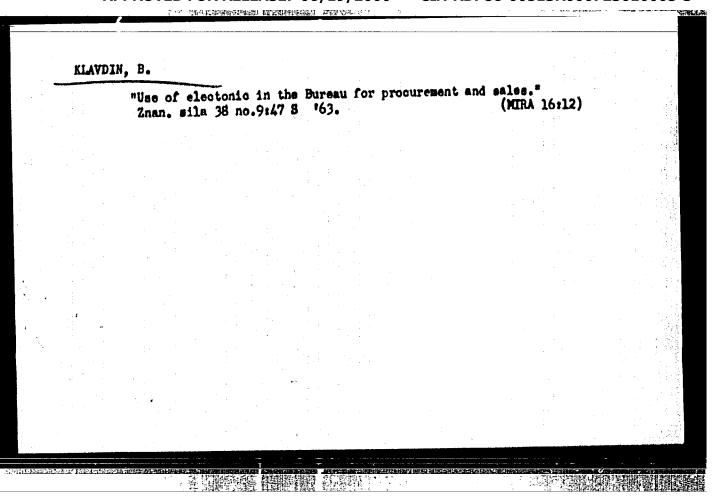
(MIRA 13:8)

1. Dubrovskiy domostroitelinyy kombinat.
(Windows) (Woodworking machinery)

Some shortcomings of the FG-22 gas relay. Elek.sta. 25 no.8:56-57 ag '53. (MEMA 6:8)

(Med 6:8)

(Med file)



Inventors give to the earth. Znan.-sila 38 no.4:32-33
Ap 163.

(MIRA 16:8)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

L 38955-66 EWP(m)/EWT(1) WW ACC NR. AT6016517 (//)

SOURCE CODE: UR/3186/65/000/1:0/0025/0030

AUTHOR: Klaven, A.B.

5 3 BH

ORG: none

TITLE: Laboratory investigation of the structure of the bottom layer

SOURCE: Leningrad. Gosudarstvennyy gidrologicheskiy institut. Trudy, no. 120, 1965. Issledovaniya ruslovykh protsessov. 25-30

TOPIC TAGS: fluid flow, uniform flow, flow kinetics, flow analysis, underwater photography, photographic processing 2 #YOROLOGY

ABSTRACT: The author describes experiments carried out at the Channel Laboratory of GEB GGI (Ruslovaya laboratoriya GEB GGI) in 1963 to elicit the kinematic structure of the bottom layer of an open flow with a smooth bottom. The experiments were carried out in a flume with an undeformed smooth bottom under steady, uniform flow conditions. Flows within Reynolds numbers from 300 to 3000 and Froude numbers from 0.1 to 0.5 were used in the experiment. The following quantities were measured for each flow condition: inclination of the bottom, inclination of the free surface, working depth (depth of flow in the middle of the experimental section), and water temperature. The experimental section, 1 m long, was situated in the middle of the flume which ensured a minimal effect of the inflow and overflow Cord 1/2.

L 38955-66

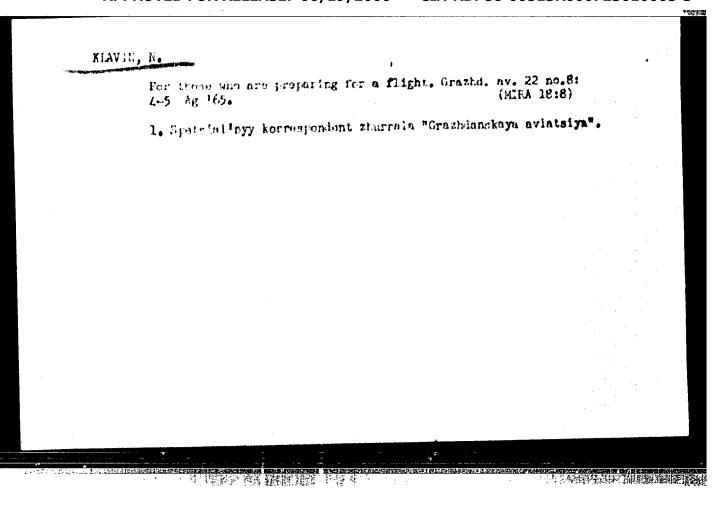
ACC NR. AT6016517

of the water from the flume. By measuring the length of streaks left on photographic film by particles moving in the flow and by knowing the exposure time, the author calculates the value of the instantaneous velocities. The velocity field of the flow was photographed at a rate of about 150 frame/sec at an exposure time from 0.0074 to 0.0094 sec. The camera, together with a shutter, was installed on a carriage which moved on rails along the flume at a constant speed. The material obtained by photographing the velocity field by a traveling camera yields a visual representation of channel turbulence and can be useful when developing theoretical schemes of turbulence. This experimental method must be perfected in order to analyze the complex internal structure of vortex formations elicited by traveling photography. Orig. art. has: 2 figures.

SUB CODE: 08, 20, 14/ SUBM DATE: 00/ ORIG REF: 002

Cord 2/2

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3



"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723010005-3

AUTHOR:

Klavin, N.

501/84-58-3-32/52

TITLE:

New Developments on ar Old Route (Novoye na steroy trasse)

PERIODICAL: Grazhdanskaya avisteiya, 1958, Nr 3, pp 24-27 (USSR)

ABSTRACT:

The article, written mostly in story form, relates impressions of the author on a flight on a Tu-104a airliner from Moscow to Khabarovsk and back. The author reviews all the progress made in flight equipment, flight density, ground equipment and airfields, feeder services, communications and navigation equipment, as well as the construction work along the longest domestic air artery. The description is general in character. Four photographs accompany the text.

1. Aviation -- Development

Card 1/1

CIA-RDP86-00513R000723010005-3" APPROVED FOR RELEASE: 06/19/2000

50V/84-58-4-25/48

AUTHOR:

Klavin, N.

TITLE:

Classes Are Going On (Idut zanyatiya)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 4, p 26 (USSR)

ABSTRACT:

The article reports on current activities in the Training Unit of the Ukrainian Territorial Administration of the CVF. During a period of 4 to 6 weeks, various specialists, like pilots, flight mechanics, radio operators, navigators are prepared for use as crew members in different types of aircraft, like the Il-lk, An-2, Mi-1 and the Ka-15. In the main, the author is concerned with the preparatory training of crews for the An-10 turboprop airliner, which is expected to arrive in the unit in the near future. Some items of maintenance equipment have already been received. The necessary training aids, manuals, etc. are still missing. Local Territorial Administrations and certain Directorates of the Main Administration are criticized for lagging in providing the necessary conditions for a timely understanding of the new flying equipment. A photograph showing the wing flaps of the An-10 accompanies the article.

Card 1/1

1. Aviation personnel -- Training

KLAVIN, N.; MARKOV, A.; IVANOV, A.I.; IESHUKOV, Yu.

THE RESIDENCE SEED THE PARTY OF THE PARTY OF

For spring-summer navigation. Grazhd. av. 19 no.5:4-5 My '62. (MIRA 18:6)

1. Spetsial'nyy korrespondent zhurnala "Grazhdanskaya aviatsiya" (for K'avin). 2. Glavnyy inzh. Khabarovskikh lineynykh ekspluatatsionro-remontnykh masterskikh (for Markov). 3. Hachal'nik Magadanskogo aeroporta (for Ivanov). 4. Komandir Yuzhno-Sakhalinskogo aviatsionnogo podrazdeleniya (for Leshukov).

KLAVIN, N.

Search, findings, losses. Grashd. av. 21 no.10:6-7 0 '64.
(MIRA 18:3)

1. Spetsial'nyy korrespondent zhurnala "Grazhdanskaya aviatsiya."

SOY/84-59-10-38/53

32(1) AUTHOR:

Klavin, N.

TITLE:

New Routes for the An-10

PERIODICAL:

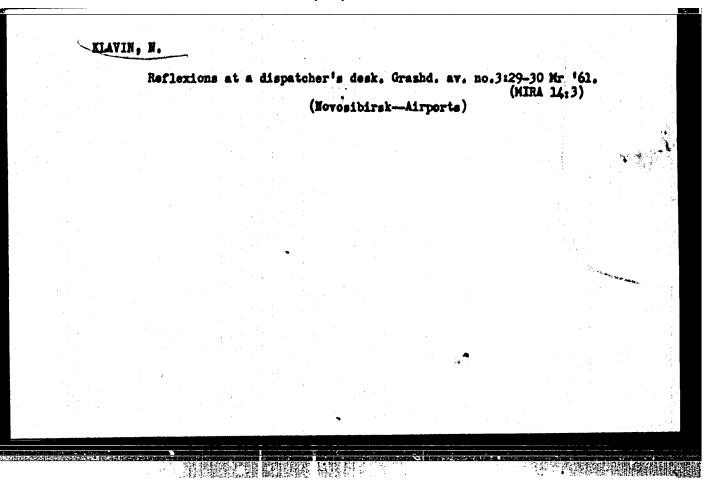
Grazhdanskaya aviatsiya, 1959, Nr 10, p 27 (USSR)

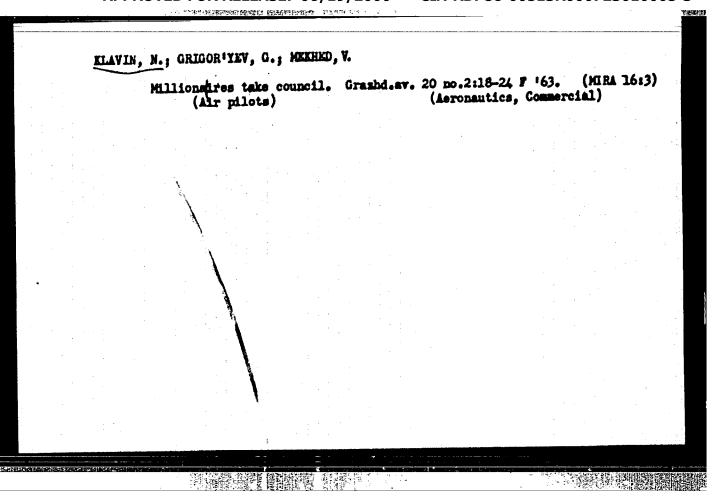
ABSTRACT:

As of September 1959, An-10 airliners were put into service on the air route Moscow-Stalino-Moscow. The 1,100-km long trip takes only 1 hour 40 minutes. En route from Moscow to Stalino, the An-10 carries not only passengers but also 5-6 tors of mail and newspapers. The author notes that Vnukovo and Stalino airports failed to provide sufficient loads for the first trips, and the An-10 flew underloaded. Stewardess Lida Kolesnik and aircraft captain Viktor Fedorovich Semenov are mentioned in the text. There is 1 photograph.

Card 1/1



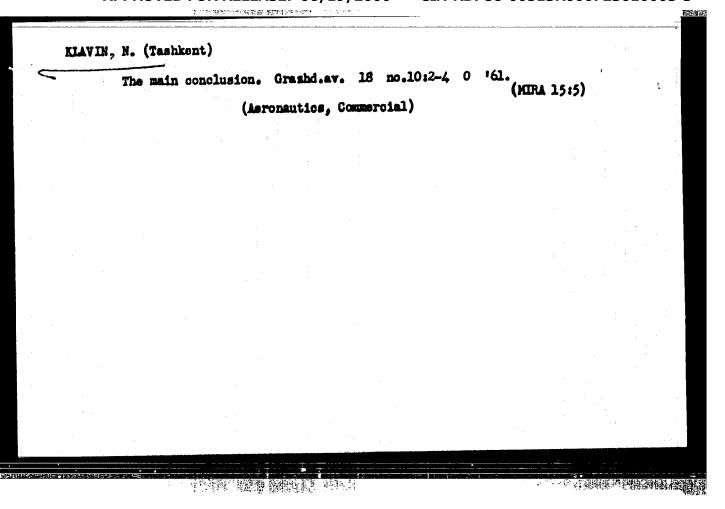




"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3

KI	KLAVIN, N.				
	Moso	ov - Sochi. Grashd.	av. 19 no.3:4 (Moscow-Airline	Mr '62. (1 s)	URA 15:5)
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Search, findings, losses. Grazhd. av. 21 no.9:6-7 S '64. (HIRA 17:10) 1. Usbekskoye territorial'noye upravleniye Aeroflota; spetsial'nyy korrespondent shurnala "Grashdanskaya aviatsiya".

KLAVINA, G.

Development of the exhibits of pine and pine-spruce forests at the Section of Local Flora of the Botanical Garden of the Academy of Sciences of the Latvian S.S.R. Izv. AN Latv.SSR no.9:76-82 '63. (MIRA 16:12)

1. Latvijas PSR Zinatnu akademijas Botaniskais darss.

BERTSE, Visbul [Berce, Visbulis]; KLAVDA, L., red.; YEGERS, A. [Jegers, A.], red.; SPORANE, V., tekhn. red.

[An editorial staff on wheels; a reportage from the Far East] Redakcija us riteniem; reportasa no Talajiem Austrumiem. Riga, Latvijas Valsts isdevniecibe, 1961. 216 p. [In Latvian] (MIRA 14:12) (Soviet Far East—Description and travel)

CEKULINA, A.; LASIS, A.; SKARDS, V.; TILAKS, S.; INTAITIS, E.;
KELPIS, E.; SALPANIS, A.; REININOVS, I.: KARKLINS, J.;
ABOLINS, J.; KULA, P. TIMSANS, S.; JESPERANS, J.;
INSTITUTE TO THE SALE OF THE S

THE STREET WAS IN THATELOWS THE TOTAL

KLAVINS, J.; SPRIVULIS, Z., red.

[Improve the herd; Lc... Collective Farm of the Valmiera Agricultural Collective and State Farm Administration as a purebred cattle station; izkopsim ganampulku: Valminas kolhozu un padomju saimniecibu razosanas parvalde Lenina kolhozsskirnes lopu audzetava. Riga, Latvijas Valsts izd-ba, 1964. 21 p. [In Latvian] (MIRA 17:7)

GUTNIK, M.A.; BORISOV, L.F.; NOVIKOV, I.K.; SPASSKIY, N.N.; OVCHINNIKOV, A.N.; STOLYAROV, A.B.; KLAVIR, A.V.; GALKINA, V.I.; SHALFEYEV, V.I.

Overall mechanization of decorative grinding and polishing operations. Prom. energ. 17 no.9:6-8 S '62. (MIRA 15:8) (Grinding machines)

KLAVKIN, I.M.

Dynamics of the functional state of the stomach in chronic gastritis and peptic culcer under the effect of aprophen.

Sovet. med. 27 no.6138-43 Je¹63 (HIRA 17:2)

1. Iz kafedry terapii dlya usovershenstvovaniya vrachey(nachal¹nik - prof. P.I.Shilov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.H. Kirova.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

KLAVS, Vladimir, ing. (Ljubljana, Zarnikova 6)

Directives for the further development of our machine and electrical industries with regard to the Five-Year Plan. Tehnika Jug 17 no.4:699-701 Ap '62.

l. Pomocnik glavnog direktora sa tehnicka pitanja Zavoda sa automatisaciju, Ljubljana.

ERZYSZTOPORSKI, S.; KLAVE, H.; TURCZYMSKI, T.

Antistin in obstetrics (with exception of abortions). Polski tygod.
lek. 5 no.41:1433-1435 9 Oct 50. (CLML 20:6)

1. Of the Clinic of Obstetrics and Female Diseases of the Wroclaw
Medical Academy (Head--Prof.S. Krysstoporski, M.D.) and of the Institute of Medical Microbiology of Wroclaw Medical Academy (Head--Prof.
L.Hirssfeld, M.D.). Work done for the Research Center on the Pathology of Pregnancy, Wroclaw.

CONTRACTORS EMPORED BUILDS A CUSTOM

HIRSZYMLD, L.; KRZISZTOPORSKI, S.; KLAWE, H.; TURCZYNSKI, T.; OSINSKA, M.; STOCHOVA, K.; LIBERSKA, H.

Further studies on the action of antiallergic drugs on pathological manifestations in pregnancy, with special reference to habitual abortions. Polski, tygod. lek. 6 no.25-26:786-795 25 June 51. (CDC 21:1)

1. Of the Research Center for the Pathology of Pregnancy of the Obstetric-Gynecological Clinic in Wroclaw and of the Institute of Medical Microbiology.

HIRSZYBLD, L.; KREYSZTOPORSKI, S.; KLAVE, H.; TURCZYMKI, T.

Conservative therapy and prevention of blood groups incompatibility.

Med. dosw. mikrob., Warss. 4 no. 3:339 1952. (GIML 23:3)

1. Summary of work progress presented at 11th Congress of Polish

Microbiologists held in Krakow May 1951. 2. Wroclaw.

· 医斯尼亚氏试验检 **经数**据的数据 "晚,我是有过了

KLAVE, Henryk

Cesarean section in Meugebauer Hospital during 1951-55. Polski tygod. lek. 11 no.30:1324-1326 23 July 56.

1. Z Miejskiego Szpitala Ginekologiczno-Polozniczego im. L. Meugebauera we Wroclawiu; dyrektor: dr. med. Henryk Klawe Wroclaw, Miejski Szpital Ginekl. -Polozn., im. L. Meugebauera. (CESARMAN SECTION, statistics, hosp. report (Pol))

REPORT OF THE PROPERTY OF THE PARTY OF THE P

ILAVE, Henryk

Endoscopy of the small pelvis through the posterior vaginal vault. Polski tygod. lek. 11 no.31:1385-1387 30 July 56.

1. Z Miejskiego Sspitala Ginekologicsno-Polosnicsego L. Neugebauera we Wroclawiu; dyrektor: dr. med. Henryk Klawe. Wroclaw, ul. Morwida 11. (Douglas Police

(DOUGLAS POUCH, endoscopy (Pol)) (ENDOSCOPY, Douglas pouch (Pol))

多一型性的方式性 网络眼镜眼镜 医原环结核

- S. L. SERVINIEN FOR MANAGEMENT

KLAWE, Henryk

Immediate results after hysterectomy during 1952-1959. Polski tygod.lek. 15 no.40:1529-1532 3 0 *60.

1. Ze Sspitala im. Neugebauera we Wroclawiu; dyrektor: dr med. H.Klawe (HYSTERECTORY statist)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

1. 一种特别的原则的 Bessell (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985)

· 计小 · 小厂支撑网络外发扩射和多数的模型等者的社会

DOROBISZ, Tadousz; JANIAKOWA, Alina; KLAWE, Henryk; MATCZUK, Walenty

On the problem of early diagnosis and therapy of acute afibrinogenemic syndrome in obstetrics. Ginek. Pol. 33 no.1:9-18 62.

1. Ze Stacji Krwiodavstwa we Wroclaviu Dyrektor: doc. dr T. Dorobiss Z III Kliniki Chorob Wewnetrsnych AM we Wroclaviu Kierownik: prof. dr E. Szczeklik Z Miejskiego Szpitala Ginekologiczno-Polozniczego im. L. Neugebauera we Wroclaviu Dyrektor: dr H. Klave.

(AFIBRINOGENERIA in pregn) (PREGNANCY compl)

KLAWE,	Henryk		*
	Maternal mortality in the Neugebauer obstetric hospital during the period of 1951-1961. Pol. tyg. lek. 17 no.32:1262-1265 6 Ag '62.		
÷	1. Ze Szpitala im. Neugebauera we Wroclaviu; dyrektor:	dr med.	
	(HATERIAL MORTALITY)		
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The same of the sa			

POLAND

KLAWE, Henryk, Dr. med., Director of Hospital of Gynecology and Obstetrics (Szpital Ginekologiczny-Polozniczy) im. L.

"Damage to the Posterior Fornix of the Vagina."

Warsaw-Krakow, Przeglad Lekarski, Vol 19, Ser II, No 5, 22

Abstract: The author reviews the literature on injury to the posterior fonix of the vagina during and following intercourse, its possible causes, contributing factors, and modes of treatment, and also analyzes the cases observed at the cach are Polish and German, and the other Western.

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RUDOWSKI, Witold, prof. dr; KLAWE, Zdzielaw, dr

Transplantation of the heart in man. Problemy 20 no.11:696 64.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

Water Andrews

Surgical treatment of coronary vessel diseases. Polski tygod. lek. 13 no. 43:1669-1674 27 Oct 58. (GORONARY DISEASE, surg. (Pol))

4 (1994) (1994) | **EXERCISE STREET**

WIECHNO, Wojoiech; KLAWE, Zdzielaw

Indications for section of sphinoter of Oddi. Polski prsegl. chir. 33 no.7/91961-983 161.

1. Z Oddzialu Chirurgicznego Sspitala Miejskiego Wr 7 n Warszawie Ordynator: doc. dr W.Wiechn. (BILE DUCTS surg)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723010005-3

"Communications derivers of the League of Coldiers Driver in the Lace Contest", r. s., (Radie Arater, Vol.), No. F., August 1973, Jaross, Wland)

SC: Ecrthly List of East European According (REAL), LC, Vol. 4, No. 3, Narch 1975, Uncl.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723010005-3

"Tolevisien Reception of Great Rasse in Marcav', 1. 4, (No. AMMen, Vol. 2, No. 7, August 107), Warnaw, Tolard)

SC: Nonthly List of Fast European Accessions (NAL), 10, Wol. 1, No. 2, N

DOBRZYNSKI, Stanislaw, mgr inz.; KLAWINSKI, Jozef, inz.

"在生活,我们是我的情况,我们就是这个时间,我们就是一个

Thin-walled bearing sleeves for traction engines. Pt.l. Techn motor 15 no.3:72-77 Mr '65.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

THE REPORT OF THE PROPERTY OF

KLAYBL, Karel [Kleibl, Karol]

Significance of tularemic epizootics in the spread of infections caused by Trichephyton gypeeum. Vest. derm. i ven. 37 no.7232-35 Jl.63 (MIRA 16:12)

1. Kozhnoye otdeleniye (zav. K.Klaybl) bol'nitsy v Skalits, Chekhoslevakiya.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3

USER/Physics - Plescelectric Ceramics Polytropic Plow "Letters to the Editor" "Zhur Tekh Fiziki" Vol 22, No 12, pp 2061-2066 S. V. Romanenko: "Concerning A. L. Klaychkin's article Polytropic Gas Flow" (ZhTF 21, 9, 1951). T. N. Verbitskaya: "Concerning Piezcelectric Ceramics." 240T107	KLAYCHKIN, A. L.	·	PA 2401107	
"Letters to the Editor" "Zhur Tekh Fiziki" Vol 22, No 12, pp 2061-2066 S. V. Romanenko: "Concerning A. L. Klaychkin's article Polytropic Gas Flow" (ZhTF 21, 9, 1951). T. N. Verbitskaya: "Concerning Piezoelectric Cerramics."				
"Zhur Tekh Fiziki" Vol 22, No 12, pp 2061-2066 S. V. Romanenko: "Concerning A. L. Klaychkin's article Polytropic Gas Flow" (ZhTF 21, 9, 1951). T. N. Verbitskaya: "Concerning Piezoelectric Cerramics."		USSR/Physics - Piescelectric Ceramics Dec Polytropic Plow	52	
S. V. Romanenko: "Concerning A. L. Klaychkin's article Polytropic Gas Flow" (ZhTF 21, 9, 1951). T. N. Verbitskaya: "Concerning Piezoelectric Ceramics."		"Letters to the Editor"		
article Polytropic Gas Plow" (ZhTF 21, 9, 1951). T. N. Verbitskaya: "Concerning Piezoelectric Ce-ramics."		"Zhur Tekh Fiziki" Vol 22, No 12, pp 2061-2066		
240r107		article Polytropic Gas Flow" (ZhTF 21, 9, 1951). T. N. Verbitskaya: "Concerning Piezoelectric Ce		
240T107				
		24 07	107	

KLAYMAN, R.P.

USSR / Pharmacology and Toxicology. Analgosics.

74

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80541

Author

: Klayman, R. P.

Inst Title : Not given : Influence of Promedol on the Secretory Function of the Stomach During Treatment of Stomach Ulcers and Duodenal

Uloers

Orig Pub

! Materialy po bor'be so zlokachestv. opukholyami. Ufa.,

1958, 770. 10, 41-44

Abstract

During treatment of 80 patients with ulcors by subcutaneous injections of a 15 solution of promodol, a tendency toward normalization of acidity was noted in patients with changed acidity of the stomach contents and even with achylia. Simultaneously, some decrease of stomach acidity was observed in the secretions of an empty stomach. Closure and decreased dimensions of the orater was combined in a

Card 1/2

. 25 -

SAYEV, G.K.; HARKOV, K.Iv.; KLAYN, S.B.; MONOV, A.P.

मा १ - हमा गामा १ जामा वसकारक्षणा हुस्सा कृतः । वसका हु सन्त

Phosphatase and dehydrogenase activity in sensitive and resistant to penicillin staphylococci. Antibiotiki 4 no.4:91-95 J1-Ag (MIRA 12:11)

1. Kafedru biokhimii i kafedra mikrobiologii pri Vysshem meditsinskom institute v Sofii, Bolgariya.

(PENICILLIN pharmacol)

(STAPHYLOCOCCUS metab)

(PHOSPHATASES metab)

(DHHYDROGEHASES metab)

MLAYN, V. [Klyne, W.]; KIRYUSHKINA, A.A. [translator]

Optical rotatory dispersion. Usp.khim. 31 no.3:385-396 Mr 162.

(Optical rotation) (Dispersion)

(MIRA 15:3)

KLAYSHEVICH, G. I.: Haster Med Sci (diss) -- "Protein and protein fractions in the blood serum in rheumatism of children". Moscow, 1958. 16 pp (Min Health USSR, Central Inst for the Advanced Training of Physicians), 200 copies (KL, No 8, 1959, 138)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3"

一 非國 國 超關 医乳红

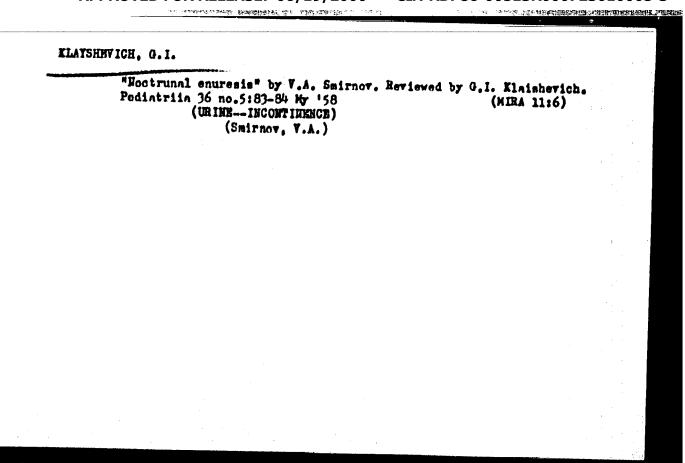
FUNYSHEVICH, G.T.

KLAYSHEVICH, G.I.

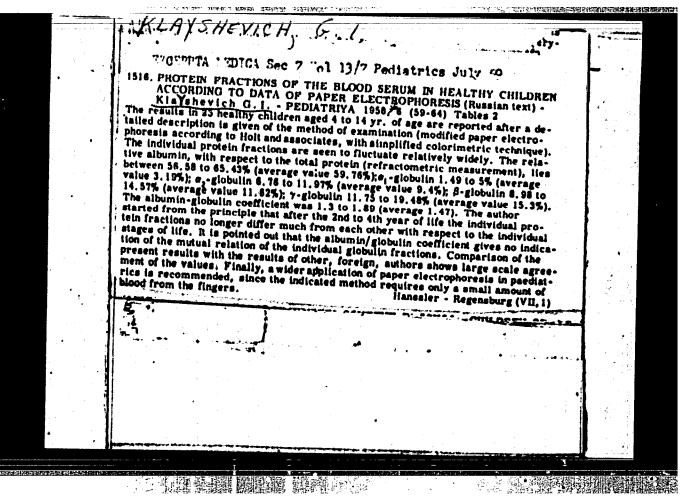
Dynamics of protein and protein fractions in the active phase of rheumatic heart disease in children [with summary in English]. odiatriis 36 no.1:68-76 Ja 158. (MIRA 11:2)

1. Is kafedry pediatrii TSentral'nogo institute usovershenstvovaniya vrachey (sav. - deystvitel'nyy chlen AMN SSSR prof. G.N.Speranskiy) na base Detskoy bol'nitsy imeni F.N.Dsershinskogo (glavnyy vrach A.N.Kudryashova)

(RHEUMATIC HMART DISKASE) (PROTEIN METABOLISM)



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SOLOMATINA, O.G., kand.med.nauk; KLAYSHEVICH, G.I., kand.med.nauk; LEVINA, S.M.; IVANOVA, A.A.

Clinical aspects of rheumatic fever in children. Sov.med. 24 no.11: 3-8 N. 160. (HIRA 14:3)

1. Is revmatologicheskoy kliniki kafedry pediatrii (sav. - deystvitel'nyy chlen AMN SSSR prof. G.N.Speranskiy, nauchnyy rukovoditel' kliniki - doktor meditsinskikh nauk R.L.Gamburg) TSentral'nogo instituta usovershenstvovaniya vrachey na base klinicheskoy detskoy bol'hitsy imeni Dsershinskogo (glavnyy vrach A.N.Kudryasheva).

(RHEUMATIC FEVER)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3

KLAYSHEVICH, G.I.; KOGAN, N.M.

Formation of aortic valve insufficiency in rheumatic children. Sov. med. 27 no.2:87-92 F 164. (MIRA 17:10)

产生基础的是中国企业 医动物性动脉炎 英国电影论作品的

1. Kafedra pediatrii (zav. - prof. R.L. Gamburg) Tlentralinego instituta usovershenstvovaniya vrachey na baze Elinicheskoy dets-koy bolinitsy imeni Dzerzhinskogo (glavnyy vrach A.K. Fudryashova), Moskva.

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GINTSBURG, B. Ya. and KIAZ. B. La "Technological calculations of piston rings for corrected pressure," In the collection: Dinamika i prochnost' aviationally, Moscow, 1949, p. 31-99, - Bibliog: 5 items.

So: U-3736, 21 May '53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

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VAZHENIH, M., nachal'nik (Kiyev); SOKHATSKIY, V., predsedatel' (Tashkent);
POROSHIH, V., samestitel' predsedatelya (Movosibirsk); KLAZ, I., instruktor; CHISTYAKOV, I., predsedatel' (Taganrog).

All-Union Military Games of primary organizations of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Mavy. Voen. snan. 29 no.9: 2 of cover S 153. (NLRA 6:12)

1. Otdel organssovoy raboty i propagandy orgkomiteta Vsesoyusnogo obshchestva sodeystviya aviatsii Ukrainskoy SSR (for Vashenin). 2. Orgkomitet Vsesoyusnogo obshchestva sodeystviya aviatsii Usbekskoy SSR (for Sokhatskiy) 3. Oblastnyy orgkomitet Vsesoyusnogo obshchestva sodeystviya aviatsii (for Poroshin). 4. Minskiy oblastnyy orgkomitet Vsesoyusnogo obshchestva sodeystviya aviatsii (for Klas). 5. Komitet pervichnoy organizatsii Vsesoyusnogo obshchestva sodeystviya aviatsii (for Chistyakov).

(Military education)

KLAZ, Il'ya Semenovich; DUHOVIK, P., red.; KALECHYTS, G., tekhn. red.

[Anatol' Shabuniaeu, a locomotive engineer] Mashynist Anatol' Shabuniaeu; narys. Minsk, Dmiarsh.vyd-va BSSR. Red. masava-palit.lit-ry, 1961. 30 p. (MIRA 15:1) (Locomotive engineers)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723010005-3

KLAZ, M. Ya.

AUTHOR:

Klaz, M. Yu.

138-1-13/16

TITLE:

Super Elastic Coupling (Periflex). (Superelasticheskaya

mufta (Periflex).

PERIODICAL: Kauchuk i Rezina, 1958, Nr.1. pp. 39-40. (USSR).

ABSTRACT:

This material is made by Klockner - Humbolt Dentz AG Köln. Descriptions of the method of making same, and its uses (source of translation not quoted) are given. This is a translation from German.

AVAILABLE.

Library of Congress.

Card 1/1

AUTHOR: Klaz, M. Yu.

SOV/138 -58-4-5/13

TITLE:

Pneumatic Bag Clutches, Their Characteristics and Application (Shinno-pnevmaticheskiye mufty, ikh osobennosti i primeneniye)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 4, pp 14-20 (USSR)

ABSTRACT: The pneumatic, or air bag clutch is perticularly suitable for couplings transmitting high power, and finds application in drives for conveyors, cranes, mine hoists, rubber and paper rolls, and calenders and marine transmissions. They can also be used as brakes. In the USBR petroleum industry, these clutches have been used extensively on drilling rigs, and with considerable reduction in maintenance. Clutches on roll and calender drives, and on rubber mixers, at the Leningrad tyre factory have been converted to the air bag type, end have eliminated breakdowns and bearing and motor failure by virtue of the elastic nature of this type of coupling. Experience at this factory confirms the reliability of these clutches. Air bag clutches may be either expending or contracting type. Fig. 5 shows the former and Fig. 3 the latter type. Card 1/8 A section of the air bag itself is shown in Fig. 7. It is

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Pneumatic Bag Clutches, Their Characteristics and Application

built up like a tyre with reinforcing cords within the rubber. The bag is attached to a flanged rim on the driven shaft by bolts going through the rim into tapped holes in inserts vulcanized into the periphery of the beg. The friction shoes are secured to the inner periphery of the bag. Fig.4 shows a variation where a thin steel strap is used to retain the friction shoes. One end of the strap is anchored to the flenged rim on the driven shaft, the other end is free. The normal gap between the shoes and the drum when the clutch is disenguged is 6-7 mm. With the contracting type of clutch, centrifugal force tends to decrease the pressure between the friction shoes and the drum. With the expanding type, centrifugal force augments this pressure and the clutch will remain in engagement until the speed of the driven shaft decreases sufficiently for the bag to contract to its uninflated shape. In the U.S.S.R. contracting type clutches are more generally used. Fig. 6(a) shows a direct method of feeding air to the clutch through a packed gland. Fig.6(b) shows a relay method where air is admitted to the bag only while Card 2/8 the control lever is held open. When the control is

Pneumatic Bag Clutches, Their Characteristics and Application SOV/ 138-58-4-5/13

returned to the neutral position, the relay valve seals the inlet to the bag and then no air pressure is exerted upon the packed gland. Operation of the control valve in the opposite direction permits the bag to exhaust to atmosphere. It has not been found easy to make the relay system sufficiently tight to ensure reliable operation. Many clutches fitted originally with the relay system of air feed have been converted to direct air feed. The following advantages are listed for air bag clutches: 1. Possibility of remote control.

2. Smooth ongagement and disengagement. 3. Ability to accept up to 3 mm axial displacement of the

4. Ability to limit maximum torque by regulation of air

5. Torsional vibrations are damped.

6. Isolation of noise transmitted through the drive.

7. Ability to accommodate misalignment (out of parallelism) of shafts to the extent of 2 mm in 1 meter length of

Card 3/8 8. Flexibility and reduction of mechanical shocks.

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- 9. Will operate satisfactorily in damp conditions.
- 10. Can be used as a brake. 11. Relatively low cost.

Drawbacks are:

- 1. Transmitted torque is reduced if the friction surfaces become greasy.
- 2. The temperature range, throughout which the clutch will work satisfactorily, is lower than with metallic
- 3. The relay type cannot be controlled as regards air pressure in the bag when shut off from the air line. Table I shows dimensions and details of standard clutches. The figures at the head of the vertical columns are, respectively, the dismeter of the friction drum and the width of the friction shoes. The figure at the foot of the columns (not given in three cases) is the rated torque in kg metres. The clutches are rated for working temperatures from -30°C to 50°C. At 70°C the effective torque is not diminished but clutch life is limited. Rubber bags can be provided for temperatures down to -45°C. Formula (1) gives maximum torque. It incorporates

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coefficients β and γ for the relation between the internal diameter of the beg and the diameter of the friction drum, and for the relation between the width of the bag and the width of the friction shoes. The coefficient of friction f for the shoes is given as 0.25 to 0.35. The term within brackets is the sum of the internal pressure and the equivalent pressure due to centrifugal force. The latter takes a negative sign for contracting shoe clutches. pressure required to deflect the bag - this amounts to 0.4 to 0.7 kg/cm². Working pressures for clutches are generally between 5 and 9 kg/cm². (70 - 130 psi). The formulatignore the Rated torque takes into account fading through grease temperature rise, and wear and is also factored to allow for torsional oscillations. Rated torque, as quoted in the table, is taken as maximum torque (as assessed by formula (1)) divided by 2.5 or 3. Formula (2) shows how the equivalent pressure, due to centrifugal force, is derived. Formula (3) gives an approximation for available torque and allows for centrifugal force, but not for other dynamic effects. Fig. 8 relates air pressure in the bag in kg, cm2 (on the ordinate) to available torque in

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