S/126/62/014/006/011/020
E193/E383

Stacking faults ....

$$\Delta(2\theta_{200} - 2\theta_{111}) = -\alpha \frac{45\sqrt{3}(2\tan\theta_{200} + \tan\theta_{111})}{2\pi^2}$$

where θ is the Wolf-Bragg angle. Having determined the dislocation density ρ in the deformed metal by the Williamson and Smallman method (Phil. Mag., 1956, 1, 34), the authors calculated the width r of the stacking faults from

$$r = \alpha/\rho d ,$$

where d is the interplanar spacing. Since, according to the theory of elasticity

$$r = \mu a^2/24\pi\gamma ,$$

where μ - shear modulus, a - lattice parameter and γ - energy of the stacking faults, γ can be calculated from

$$\gamma = \frac{\mu a^2 d}{24\pi} \frac{\rho}{\alpha} .$$

Card 2/5

Stacking faults ....

In addition, the residual electrical resistivity of both cold-worked and annealed alloys was measured at the temperature of liquid helium. The results are reproduced in a table. The effect of annealing temperature on the magnitude of $\Delta R/R$, where R is the resistivity in the cold-worked condition, is demonstrated in Fig. 2, where $\Delta R/R$ is plotted against the annealing temperature, °C, for the alloys indicated by each curve. Conclusions. 1) Plastic deformation of Ni-Cu and Ni-Co solid solutions brings about the formation of stacking faults. The energy of the stacking faults decreases with increasing Cu and Co contents, as a result of which their width and density increase. 2) The plastic deformation-induced increase in the electrical resistivity (6% in the 40% Cu-Ni and 8% in the 40% Co-Ni alloys) is too large to be accounted for by the presence of dislocations but can be explained in terms of a sharp increase in the density of the stacking faults. 3) Non-monotonic variation in the electrical resistivity with the annealing temperature can be attributed to the interaction between the stacking faults and the alloying additions; at certain temperatures this interaction leads to the formation of microheterogeneities of the concentration of the solid solution in the stacking-

Card 3/5

Stacking faults ....

S/126/62/014/006/011/020
E193/E383

faults regions with a resultant change in the width of these defects. There are 2 figures and 1 table.

ASSOCIATION: Institut fiziki metallov AN SSSR (Institute of Physics of Metals of the AS USSR)

SUBMITTED: August 26, 1961 (initially)
October 20, 1962 (after revision)

Key to table: 1 - Material; 2 - Block dimensions, 10^6 cm 3 - Dislocation density, 10^{-11} l./cm, calculated from D; 4 - Magnitude of microdefects in cold-worked condition; 5 - Dislocation density calculated from $\Delta a/a.10^3$; 6 - Energy of the stacking faults, γ, erg/cm; 7 - Change, %, in the residual resistivity.

Card 4/5

NOSKOVA, N.I.; SADOVSKIY, V.D.; SOKOLOV, B.K.; TOMILOV, G.S.

Control of strain hardened steel articles by coercive force measurements. Zav.lab. 29 no.7:819-821 '63. (MIRA 16:8)

1. Institut fiziki metallov AN SSSR.
(Steel--Testing)

NOSKOVA, N.I.

2

L 17699-65 EWT(m)/EWP(w)/EWA(d)/EWP(k)/EWP(t)/EWP(b) Pf-4/Pad KJW/JD/HW

ACCESSION NR: AP4042041 S/0126/64/017/006/0845/0852

AUTHOR: Sadovskiy, V. D.; Sokolkov, Ye. N.; Petrova, S. N.; Pavlov, V. A.; Gaydukov, M. G.; Noskova, N. I.; Kagan, D. Ya.

TITLE: The effects of high-temperature thermo-mechanical treatment on the heat resistance of KhN77TYuR alloy

SOURCE: Fizika metallov i metallovedeniye, v. 17, no. 6, 1964, 845-852

TOPIC TAGS: nickel alloy, chromium containing alloy, aluminum containing alloy, creep rate, recrystallization, boron containing alloy, KhN77TYuR alloy, thermo mechanical treatment, heat resistance

ABSTRACT: The method of hot plastic deformation combined with quenching was used to enhance the stress-rupture strength of austenitic steels. The authors investigate the possibility of applying this combined method to KhN77TYuR, a ilmonic-type alloy. Specimens 11.5 x 11.5 x 70 mm were annealed at 1080C for 8 hr. and rolled with a reduction of 25% at a rolling speed of 1.5 m/min. The process

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ACCESSION NR: AP4042041

of recrystallizati,n was suppressed by water cooling the specimens immediately after plastic deformation. All specimens were aged at 750C for 16 hr. Hardness was 285 HB. At 550C and under a stress of 90 kg/mm^2, the rupture life was extended from 4 to 100 hr while the creep rate decreased from 4-8 x 10^{-2}% to 8 x 10^{-1}% per hr. Above the 500—600C range a deterioration of strength characteristics was observed. The authors attribute the adverse effect of the combined method at 750C to the recrystallization during testing and to a possible higher rate of coagulation of the strengthening phase. The decrease in the creep rate and the increase of the rupture life were verified by x-ray method. The authors point out the formation of a polygonized substructure and to a boundary distortion in the form of characteristic serration during high-temperature deformation. They contend that the substructural boundaries impeded the travel of dislocations during creep, while the distortion of the grain boundaries lowered the susceptibility to intercrystalline failure. The authors suggest that the method of investigation may be insufficiently developed for an exhaustive interpretation of the results obtained and of the peculiarities of the structural state of the material. Orig. art. has: 5 figures.

Card 2/3

L 17699-65
ACCESSION NR: AP4042041

ASSOCIATION: Institut fiziki metallov AN SSSR (Institute of the Physics of Metals AN SSSR)

SUBMITTED: 12Jul63 ENCL: 00 SUB CODE: MM

NO REF SOV: 012 OTHER: 008

Card 3/3

NOSKOVA, N.I.; PAVLOV, V.A.

Defects of packing in face-centered cubic metals and alloys. Fiz. met. i metalloved. 20 no.3:428-432 S '65. (MIRA 18:11)

1. Institut fiziki metallov AN SSSR.

VSHIVKOVA, N.F.; MOSKOVA, N.I.; PAVLOV, V.A.

Deformation defects of packing in rhodium and irridium.
Fiz. met. i metalloved. 20 no.3:480 S '65.
(MIRA 18:11)

1. Institut fiziki metallov AN SSSR.

PINAYEVSKAYA, Ye.N.; ANTOSHKINA, N.L.; NOSKOVA, N.N.

Aqueous reciprocal system of the chromates and bicarbonates of sodium and ammonium. Zhur. prikl. khim. 37 no. 5:989-1000 My '64. (MIRA 17:7)

ARTEM'YEV, Vladislav Nikolayevich; SHTROMBERGER, Lev Viktorovich; NOSKOVA, R.F., red.; GOLUBKOV, P.V., prof., red.; ZEMIN, V.V., tekhn. red.

[Laboratory manual on high-vacuum physics] Praktikum po fizike vysokogo vakuuma. Saratov, Izd-vo Saratovskogo univ., 1963. 325 p. (MIRA 17:2)

ANDRUSHKEVICH, V.S.; BUDNIKOVA, N.P.; GRIGOR'YEV, M.A.; ZHARKOV, Yu.D.; SINITSYN, N.I.; STAL'MAKHOV, V.S.; TRUBETSKOV, D.I.; SHVEDOV, G.N.; SHEVCHIK, V.N.; MOSKOVA, R.F., red.

[Electronic superhigh-frequency devices] Elektronnye pribory sverkhvysokikh chastot. Saratov, Izd-vo Saratovskogo univ., 1964. 187 p. (MIRA 18:4)

GAVRILOV, Petr Ivanovich; NOSKOVA, K.F., red.

[Research on and the practice of welding with natural gas] Issledovanie i praktika svarki prirodnym gazom. Saratov, Izd-vo Saratovskogo univ., 1964. 254 p. (MIRA 19:1)

KUZ'MINA, Klavdiya Alekseyevna; NOSKOVA, R.F., red.

[Treatment with bee honey and venom] Lechenie pchelinym medom i iadom. Izd.2., dop. Saratov, Izd-vo Saratovskogo univ., 1965. 78 p. (MIRA 18:12)

MOSKOVA, R.I.; GOYKHMAN, G.Ya.

Photometric observations of the lunar eclipse of August 5-6, 1952.
Biul.VAGO no.18:13-16 '56. (MLRA 10:1)

1. Moskovskoye otdeleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva.
(Eclipses, Lunar--1952)

S/035/61/000/001/005/019
A001/A001

3,1720 (1641, 1126, 1127)

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1961, No. 1, p. 45, # 1A339

AUTHORS: Salomonovich, A.Ye., Koshchenko, V.N., Noskova, R.I.

TITLE: On Intensity of Sun's Radio Emission at the 8-mm Wavelength Band

PERIODICAL: "Solnechnyye dannyye", 1959/1960, No. 9, pp. 83-89

TEXT: The authors present the changes of brightness temperature at the 8-mm wavelength during the period from 1957 to 1958. Observations were carried out near Moscow with a 2-m parabolic reflector. The average brightness temperature of the Sun during this period was equal to 8,000°K, the temperature of the quiet Sun was 6,400 ± 800°K. The correlation coefficient between the brightness temperature and the summary area of sunspots amounts to 0.4. There are 5 references.

N. S.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

3.1710

78028
SOV/33-37-1-28/31

AUTHORS: Amenitskiy, N. A., Noskova, R. I., Salomonovich, A. Ye.

TITLE: The Radio Image of the Moon in an 8-mm Wave Range

PERIODICAL: Astronomicheskiy zhurnal, 1960, Vol 37, Nr 1, pp 185-186 (USSR)

ABSTRACT: Observations of the two-dimensional distribution of the thermal radiation of the moon in the 8-mm wave range were made during September-November 1959 with the 22-meter radiotelescope of the Lebedev Physical Institute of the Academy of Sciences, USSR. Owing to the great resolving power of this telescope, it was possible to obtain values of the radiation temperature for separate regions of the moon. There is considerable dependence of the distribution of radio brightness on the phase of the moon which appears to be asymmetrical. Thus, at the first quarter the western part of the moon is brighter, and the reverse is true at the third quarter. The difference between the maximum and the minimum temperatures in the center of the disk is more than 40%.

Card 1/2

The Radio Image of the Moon in an 8-mm Wave Range

78028
SOV/33-37-1-28/31

The authors thank G. G. Basistov, N. F. Il'in, V. N. Koshchenko, and V. I. Pushkarev, who assisted in making observations. There are 1 figure; and 3 references, 2 Soviet, 1 U.S. The U.S. reference is: J. E. Gibson, Proc. I.R.E., 1, 280-286, 1958.

ASSOCIATION: Lebedev Physical Institute of the Academy of Sciences, USSR (Fizicheskiy institut imeni P. N. Lebedeva Akademii nauk SSSR)

SUBMITTED: December 11, 1959

Card 2/2

6.9417
3.1720

S/033/60/037/006/004/022
E032/E514

AUTHORS: Kuz'min, A. D., Levchenko, M.T., Noskova, R. I. and Salomonovich, A. Ye.

TITLE: Observations of Discrete Sources of Radio Emission on 9.6 cm Wavelength

PERIODICAL: Astronomicheskiy zhurnal, 1960, Vol.37, No.6,pp.975-978

TEXT: Preliminary results are reported of observations of discrete sources of radio emission on λ = 9.6 cm obtained with the 22 m radio telescope of the Physics Institute, AS, USSR. This telescope was described by Salomonovich (Ref.1). Altogether 50 sources were recorded of which 34 were observed for the first time in the centrimetre range. The results obtained are illustrated in the Table on pp.976-977, which gives coordinates and various characteristics, as well as identifications with optical objects and radio sources observed by Haddock et al. (Ref.3) and Westerhout (Ref.4) on 9.4 and 21 cm, respectively. The table includes a number of interesting objects, among them two planetary nebulae (NGC 7293 and NGC 6853) for which radio emission cannot be detected. For these objects an upper limit for the flux density of radio emission is estimated. These estimates are included in the table.

Card 1/2

S/033/60/037/006/004/022
E032/E514

Observations of Discrete Sources of Radio Emission on 9.6 cm Wavelength

Acknowledgments are expressed to the following persons who took part in building the apparatus and in obtaining the data: G. G. Basistov, N. F. Il'in, V. N. Koshchenko, L. A. Levchenko, S. K. Palamarchuk and V. I. Pushkarev. Acknowledgment is also expressed to D. V. Kovalevskiy who organized the programme for the radio telescope during the observations. There are 2 tables and 7 references: 4 Soviet and 3 non-Soviet.

ASSOCIATION: Fizicheskiy institut imeni P. N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P. N. Lebedev, Academy of Sciences USSR)

SUBMITTED: May 14, 1960

Card 2/2

KUZ'MIN, A.D.; NOSKOVA, R.I.

Identification of exciting stars and the determination of the parameters of emission nebulae from radio-astronomy data. Astron.zhur. 39 no.2:241-246 Mr-Ap '62. (MIRA 15:3)

1. Fizicheskiy institut im. P.N.Lebedeva AN SSSR.
(Stars) (Nebulae) (Radio astronomy)

NOSKOVA, R.I.

Spectrophotometry of nuclei of planetary nebulae. Astron.zhur. 42 no.5:1038-1044 S-O '65. (MIRA 18:10)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

KUKURA, J.; MIKLETIC, T.; NOSKOVA,T.; NEUSCHL,S.; SOBOTA, E.

Group autography in the study of the pedagogic process. Bratisl. lek. listy 44 no.9:513-517 15 N '64

1. Katedra hygieny lek. fakulty Univerzity Komenskeho v Bratislave (veduci katedry akademik prof. MUDr. V. Mucha, DrSo.) a Katedra automatizacie a regulacie Elektrotechnickej fakulty Slovenskej vysokej skoly technickej v Bratislave (veduci katedry prof. dr. inz. M. Salamon, nositel Radu prace).

KUKURA,J.; MIKLETIC,T.; NOSKOVA,T.; SOBOTA, E.

Continual recording of motor activity in pupil during lessons by means of a "seat electroactograph". Activ. nerv. sup. (Praha) 7 no.2:187-188 '65

1. Department of Hygiene, Medical Faculty of Komensky University, Bratislava. 2. J.Kukura's address: Bratislava, ul. Ceskoslovenskej armady 52.

L 12942-66

ACC NR: AP6005676 SOURCE CODE: CZ/0079/65/007/002/0187/0188

14
B

AUTHOR: Kukura, J.; Mikletic, T.; Noskova, T.; Sobota, E.

ORG: Department of Hygiene, Medical Faculty, Comenius University, Bratislava

TITLE: Continuous recording of motor activity in pupils during lessons by means of a seat electrograph [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 187-188

TOPIC TAGS: bodily fatigue, man, psychology, behavior pattern

ABSTRACT: First symptoms of fatigue are manifested by an increase in motor activity. From the functional aspect of the cerebral cortex this phenomenon is called protective excitation. The authors describe an arrangement which they designed to register the movements of pupils on school benches. The number of movements increased from the 1st to the 3rd lesson; there was a drop in the 4th lesson. In individual lessons the number of movements decreased up to the 15-20th minute, and then began to increase again. Orig. art. has: 1 figure and 1 table. [JPRS]

SUB CODE: 06, 05 / SUBM DATE: none / ORIG REF: 002

Card 1/1 HW

NOSKOVA, T. A.

NOSKOVA, T. A.: - "Methods of teaching the subject 'Metals' in the chemistry course in secondary schools in the light of the tasks of polytechnic education". Moscow, 1955. Moscow State Pedagogical Inst imeni V. I. Lenin. (Dissertation for the Degree of Candidate of Pedagogic Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

NOSKOVA, T.A.

LISHNEVSKIY, S.M., starshiy nauchnyy sotrudnik; NOSKOVA, T.A., glavnyy vrach protezhnogo zavoda.

Orthopedic treatment of calcaneal spurs. Ortop.travm. i protez. no.3:37-39 My-Je '55. (MLRA 8:10)

1. Iz Rizhskogo nauchno-issledovatel'skogo instituta ortopedii i vosstanovitel'noy khirurgii.
(CALCANEUM, diseases,
calcaneal spurs, ther.,orthopedic technics)

NOSKOVA, T.A.

NOSKOVA, T.A. (Kostroma)

Methodology in studying the subject "Corrosion of metals and its prevention." Khim.v shkole 12 no.6:23-31 N-D '57. (MIRA 10:12)
(Corrosion and anticorrosives--Study and teaching)

MOSKOVA, T. I.

Moskova, T. I. "The effect of injuries to the peripheral nervous trunk on healing of bone breaks (experimental investigation)." Kishinev State Medical Inst. Chair of Hospital Surgery. Kishinev, 1955. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 1956. Moscow. Pages 94-109; 111.

MOSKOVA, T.I., kand.med.nauk (Chernovtsy, ul. Shevchenko, d.2 kv.5)

Morphological changes in preserved blood vessels depending on the preservative used, time of excision and length of preservation. Nov.khir.arkh. no.6:114-117 N-D '58. (MIRA 12:3)

1. Kafedra gospital'noy khirurgii (zav. - prof. V.L. Khenkin) Chernovitskogo meditsinskogo instituta.
(BLOOD VESSELS--TRANSPLANTATION)

BOGDANOV, N.G.; NOSKOVA, V.N.; BESSMERTNYY, A.S., red.; SHERMUSHENKO, T.A., tekhn. red.

[Leningrad and Leningrad Province] Leningrad i Leningradskaia oblast'; kratkii spravochnik. Leningrad, Lenizdat, 1961. 127 p. (MIRA 14:10)

(Leningrad Province—Description and travel)

NOSKOVA, Ye., prepodavatel'

Life of a machine. Standartizatsiia.29 no.6:23-24 Je '65.
(MIRA 18:12)

1. Altayskiy politekhnicheskiy institut.

MOSKOVA, Ye. A.

Bee Culture - Ryazan' (Province)

How I enlarged the collective farm apiary. Pchelovodstvo 29 no. 3:8-15 Mr '52.

9. Monthly List of Russian Accessions, Library of Congress, July 1952, Uncl.

NOSKOVA, YE G

PSHENICHNOV, A.V.; NOSKOVA, Ye.G.

Production of a strain of human lice feeding on rabbit and its significance for the epidermomembrane technic. Vop. virus. 2 no.1:53-55 Ja-F '57 (MIRA 10:5)

1. Nauchno-issledovatel'skiy institut vaktsin i syvorotok, g. Molotov.
(PEDICULI
prod. of strain feeding on rabbits, significance for epidermomembrane technic) (Rus)

PSHENICHNOV, A.V.; SHEVELEVA, O.M.; MOSKOVA, Ye.G.

Variability of Rickettsia prowazeki and perspectives of obtaining living typhus vaccines. Zhur.mikrobiol.epid. i immun. 28 no.7: 11-14 Jl '57. (MIRA 10:10)

1. Iz Kolotovskogo instituta vaktsin i syvorotok.
(RICKETTSIA PROWAZEKII,
variability, role in prep. typhus vaccine (Rus))

PSHENICHNOV, A.V.; MOSKOVA, Ye. G.; RAYKHER, L.I.; VAYSMAN, I. Sh.

Certain characteristics of post-infection immunity in typhus following reinfection of guinea pigs in various receptor zones. Zhur. mikrobiol. epid. i immun. 29 no.10:99-102 O '58. (MIRA 11:12)

1. Iz Permskogo instituta vaktsin i syvorotok.
(TYPHUS, immunol.
post-vaccinal immun. after re-infect. of guinea pigs into various receptor zones (Rus))

NOSKOVA, Ye. V. Cand Biol Sci -- (diss) "~~Some Characteristics~~ Certain peculiarities of the Root ~~Nutrition~~ Nourishment of Lemon Seedlings." Mos, 1957. 15 pp 20 cm. (Mos Order of Lenin Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 25-57, 111)

USSR / Cultivated Plants. Subtropical and Tropical Plants. M-8

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73185.

Author : Noskova, Ye. V.
Inst : Moscow Agricultural Academy imeni K. A. Timiryazev.
Title : Some Characteristics of Root Feeding in Lemon Seedlings.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva, 1957, vyp. 28, 327-331.

Abstract: Results are presented of vegetation experiments with lemon seedlings under various ratio of clay particles with structural elements of chernozem turf soil. Active roots of lemon seedlings have no root fibrils. In the absorption zone, feeding of the plants proceeds by means of the whole non-suberous part of the root and the pseudolenticels.

Card 1/2

NOSKOVA, Ye.V.

Vital activities of plant roots and conditions determining their absorption power; as exemplified by lemon and apple seedlings. Uch. zap. Kuib. gos. ped. inst. no.35:57-82 '61. (MIRA 15:9)
(Roots (Botany)) (Plants--Assimilation)

MALYGINA, O.; MOSKOVA, Ye.V., dotsent, nauchnyy rukovoditel'

Indoor cultivation of lemon. Uch.zap.Kuib.gos.ped.inst. no.37: 51-56 '62. (MIRA 16:1)

(Lemon)

MOSKOVAS, N. N.

MOSKOVAS, N. N. --"Effect of the Evaporability of Fuel and of the Preheating of Working Mixture on the Dynamic and Economic Indices of Operation of the 1-NA Tractor Engine." *(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Min of Higher Education USSR, Lithuanian Agricultural Acad, Kaunas, 1955

SO: Knizhnaya Letopis', No. 25, 16 Jun 55

* For Degree of Doctor of Technical Sciences

SHAKHOV, Yu.A.; NOSKOVS, A.A.; ROMANKOV, P.G.

Upper boundary of a foaming state on sieve plates. Zhur. prikl. khim. 37 no.9:2074-2077 S '64.
(MIRA 17:10)

WINER, Benedykt; MOSKOWICZ, Tadeusz

Acute coronary failure with microinfarction with clinical and electrocardiographic pictures of myocardial infarction. Polskie arch. med. wewn. 26 no.6:965-971 1956.

1. Z oddzialu wewn. Szpitala im. Dr. Karola Jonschera w Lodzi Ordynator: dr. med. M. Taube i Zakladu Anatomii Patologicznej A.M. w Lodzi, Kier. prof. dr. med. A. Pruszczynski, Lodz, ul. Przedzalniana 75. Szpital im. dr. K. Jonschera.

(MYOCARDIAL INFARCT. differential diagnosis, coronary failure with microinfarction (Pol))

(CORONARY DISEASE, differential diagnosis, myocardial infarct simulated by acute coronary failure with microinfarction (Pol))

NOSKOWICZ, Tadeusz; SLUBOWSKI, Tadeusz

Renal lesions in cases of Schoenlein-Henoch's syndrome. Polski tygod. lek. 14 no.46:2037-2039 16 Nov 59.

1. (Z Oddzialu Wewnetrznego A Szpitala im. dr. K. Jonschera w Lodzi; ordynator: dr med. M. Taube).
(KIDNEYS, pathol.) (PURPURA, pathol.)

NOSKOWICZ, Tadeusz

Transient branch block during the course of anterior septal infarction. Polski tygod.lek. 16 no.5:182-184 30 Ja '61.

1. Z Oddzialu Wewnetrznego "A" Szpitala im. Dr K.Jonschera w Lodzi; ordynator: dr med. M.Taube.
(MYOCARDIAL INFARCT compl)
(HEART BLOCK etiol)

NOSKOWICZ, T.; FRONTCZAK, J.

Usefulness of small-frame radiography in detecting heart diseases. Kardiol. pol. 6 no.1:49-50 '63.

1. Z Poradni Chorob Ukladu Krazenia Kierownik: dr R. Fenigsen i z Wojewodzkiej Przychodni Przeciwgruzlicznej m. Lodzi Dyrektor: dr Z. Czerwinski.
(HEART DISEASES) (THORACIC RADIOGRAPHY)

NOSKOWICZ, T.

Split heart sounds caused by bundle branch block. Kardiol. pol. 6 no.4:247-258 '63.

1. Z II Kliniki Chorob Wewnetrznych AM w Lodzi; kierownik: prof.dr.J.Jakubowski.

NOSKOWICZ, T.; BOLINSKA, H.

Presystolic murmur — atrial systolic murmur. Kardiol. Pol. 7 no.3:217-219 J '64.

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Lodzi (Kierownik: prof. dr W. Musial).

NOSKOWICZ, T.; BOLINSKA, H.

Opening snap of the mitral valve in the case of mitral stenosis coexisting with aortic insufficiency. Kardiol. Pol. 8 no.3:239-244 '65.

1. Z II Kliniki Chorob Wewnetrznych AM w Lodzi (Kierownik: prof. dr. W. Musial).

GRAMATYKA, Jerzy, mgr inż.; NOSKOWSKI, Jerzy, mgr inż.

The unit CBKMI-2 and the new wage system for workers employed in coal headings of the Slupiec mine. Wiadom gorn 13 no.6:199-201 Je '62.

GRAMATYKA, Jerzy, mgr inz.; NOSKOWSKI, Jerzy, mgr inz.

Mining thick seams by slicing layer by layer from the top and the use of an artificial roof. Przegl gorn 18 no.11:612-617 N '62.

L 27838-66 EWT(m)/EWP(j) RM
ACC NR: AP6002212 SOURCE CODE: UR/0153/65/008/005/0846/0850

AUTHOR: Nosnikov, A. F.; Blokh, G. A.

ORG: Resin Technology Department, Dnepropetrovsk Chemical Technology Institute im. F. E. Dzerzhenskiy (Kafedra tekhnologii reziny, Dnepropetrovskiy khimiko-tekhnologicheskiy institut)

TITLE: Vulcanization of synthetic rubbers with gaseous systems on zeolite carriers. 1. Vulcanization of cis-1,4-butadiene (SKD) and sodium butadiene (SKB) rubbers with sulfur dioxide and hydrogen sulfide

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 8, no. 5, 1965, 846-850

TOPIC TAGS: vulcanization, synthetic rubber, sulfur dioxide, hydrogen sulfide

ABSTRACT: A study has been made of the vulcanization of synthetic rubbers with sulfur dioxide in combination with hydrogen sulfide and mercaptans. The vulcanizing systems were prepared by adsorption of these gases on A and X type zeolite carriers. Study of the sorption and desorption of the gaseous systems by zeolites showed that the bulk of the gases is retained in the zeolite structure at temperatures at which rubber mixtures are prepared and processed, and is released

Card 1/2 UDC: 678.028:66.022.37

L 27838-66

ACC NR: AP6002212

only at vulcanization temperatures. Thus, scorching is prevented and vulcanization made possible. Experiments conducted with cis-butadiene (SKD), sodium butadiene (SKB), and butadiene-styrene (SKS-30ARKM) rubber mixtures showed that these rubbers can be vulcanized with combinations of SO_2 and H_2S or 2-mercaptobenzothiazole. The physical and mechanical properties of vulcanizates thus prepared were on par with those of sulfur-vulcanized rubbers. The effect of zeolites on the properties of unfilled sulfur vulcanizates was studied for SKB rubber and NaX zeolite. It was shown that the reinforcing properties of the zeolite are very poor, and that the zeolite sharply increases the residual elongations of vulcanizates. Orig. art. has: 3 figures and 3 tables. [BO]

SUB CODE: 11/ SUBM DATE: 30Jun64/ ORIG REF: 004/ ATD PRESS: 4176

Card 2/2

L 44366-66 EWT(m)/EWP(j)/EWP(k)/T/EWP(e)/EWP(t)/ETI IJP(c) RM/WH/WW/JD
ACC NR: AP6019736 (A) SOURCE CODE: UR/0063/66/011/003/0348/0350

AUTHOR: Nosnikov, A. F.; Borodushkina, Kh. N.; Boguslavskiy, D. B.; Chernukhina, A. F.; Khomutov, A. I.; Blokh, G. A.

ORG: Dnepropetrovsk Institute of Chemical Technology im. F. E. Dzerzhinskiy (Dnepropetrovskiy khimiko-tekhnologicheskiy institut); Dnepropetrovsk Tire Plant (Dnepropetrovskiy shinnyy zavod); VNII of Glass Fibers (VNII steklovolokna)

TITLE: Porous silicon fibers acting as carriers of gaseous vulcanizing agents and accelerators

SOURCE: Vses khim obshch. Zh, v. 11, no. 3, 1966, 348-350

TOPIC TAGS: vulcanization, rubber, silicon plastic

ABSTRACT: The effect of porous silicon fibers containing hydrogen sulfide, ammonia, and sulfur dioxide on the physicomechanical properties of tire rubbers was investigated. The pore diameters ranged from 2.8 Å to 75 Å. The vulcanization temperature was 143-163°C and the vulcanization duration was 10-80 minutes. The fiber contents in the rubber were as high as 10%. Up to 10 wt %, the incorporation of the silicon fibers affected neither the vulcanization process nor the mechanical properties of the tire rubbers. It was found that rubbers prepared using ammonia accelerator were qualitatively as good as those vulcanized with sulfur compounds and diphenylguanidine ac-

UDC: 666.864+675.5

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L 44366-66

ACC NR: AP6019736

celerator. In all cases, the tire rubbers vulcanized with ammonia exhibited excellent mechanical properties. Orig. art. has: 2 figures, 2 tables.

SUB CODE: 11/ SUBM DATE: 16Jun65/ ORIG REF: 004

Card 2/2 hs

L 45822-66 EWT(m)/EWP(j)/T RP(c) JM

ACC NR: AP6024330 (A) SOURCE CODE: UR/0021/66/000/004/0483/0487

AUTHOR: Kosnikov, O. F.--Kosnikov, A. F.; Blokh, H. A.--Blokh, G. A. 32 B

ORG: Dnepropetrovsk Chemical Engineering Institute (Dnipropetrovskyy khimiko-tekhnologichnyy instytut)

TITLE: Vulcanization of butadiene-nitrile rubber with hydrogen sulfide in the presence of di-tert-butyl peroxide introduced on zeolites

SOURCE: AN UkrRSR. Dopovidi, no. 4, 1966, 483-487

TOPIC TAGS: vulcanization, synthetic rubber, hydrogen sulfide, zeolite

ABSTRACT: It is shown that rubber products based on butadiene-nitrile rubbers (SKN-26, SKN-40) can be obtained with H_2S and admixtures of di-tert-butyl peroxide DTBP (0.05-0.5 pts. by wt. per 100 pts. of rubber). Synthetic zeolites were used as carriers (NaA for H_2S and NaX for DTBP). Unfilled rubbers, or rubbers filled with inert fillers (chalk, etc.) were found to surpass sulfur-cured rubbers in physicomechanical properties, resistance to thermal aging, and stability toward aromatic hydrocarbons (xylene). The paper was presented by Academician AN UkrSSR Ovcharenko, F. D. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 30Mar65/ ORIG REF: 007/ OTH REF: 007

Card 1/1 JS

L 45822-66 EWT(m)/EWP(j)/T IJP(c) RM
ACC NR: AP6024330 (A) SOURCE CODE: UR/0021/66/000/004/0483/0487

AUTHOR: Nosnikov, O. F.--Nosnikov, A. F.; Blokh, H. A.--Blokh, G. A. 32 B

ORG: Dnepropetrovsk Chemical Engineering Institute (Dnipropetrovskyy khimiko-tekhnologichnyy instytut)

TITLE: Vulcanization of butadiene-nitrile rubber with hydrogen sulfide in the presence of di-tert-butyl peroxide introduced on zeolites

SOURCE: AN UkrRSR. Dopovidi, no. 4, 1966, 483-487

TOPIC TAGS: vulcanization, synthetic rubber, hydrogen sulfide, zeolite

ABSTRACT: It is shown that rubber products based on butadiene-nitrile rubbers (SKN-26 and SKN-40) can be obtained with H_2S and admixtures of di-tert-butyl peroxide DTBP (0.05-0.5 pts. by wt. per 100 pts. of rubber). Synthetic zeolites were used as carriers (NaA for H_2S and NaX for DTBP). Unfilled rubbers, or rubbers filled with inert fillers (chalk, etc.) were found to surpass sulfur-cured rubbers in physicomechanical properties, resistance to thermal aging, and stability toward aromatic hydrocarbons (xylene). The paper was presented by Academician AN UkrSSR Ovcharenko, F. D. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 30Mar65/ ORIG REF: 007/ OTH REF: 007

Card 1/1 JS

MENSHIKOV, Z. K.; NOSNITSIN, I. S.

Fishing - Implements and Appliances

Cutting out seine sections in staggered formation. Ryb. khoz., 28, No. 5, 1952.

Monthly List of Russian Accessions. Library of Congress October 1952. UNCLASSIFIED.

SLADKOSHTEYEV, V.T.; AKHTYRSKIY, V.I.; POTANIN, R.V.; KUCHMINSKIY, Yu.M.; SLIN'KO, A.N.; Prinimali uchastiye: GRIGOR'YEV, F.N.; DRUZHININ, I.I.; OSIPOV, V.G.; PARASHCHENKO, R.A.; KOPYTIN, A.V.; KOLESNIK, A.Ye.; KHAVALADZHI, V.I.; NOSOCHENKO, O.V.

Material balance of smelting with continuous casting. Sbor.trud. UNIIM no.11:124-130 '65.

(MIRA 18:11)

NOSOLYUK, V. N.

Nosolyuk, V. N.

"Electromagnetic Oscillations and Waves in the Physics Course at the Intermediate School." Min Education Ukrainian SSR. Kiev State Pedagogical Inst imeni Gor'kiy. Kiev, 1955. (Dissertation for the Degree of Candidate in Pedagogical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

MOSONOV, I.

Non-freezing automatic stock waterer. Sel'.stroi. 15 no.8:23 Ag '60. (MIRA 13:8)

1. Glavnyy inzhener-mekhanik Krasnodarskogo filiala Nauchno-issledovatel'skogo instituta sel'skogo stroitel'stva.

(Cattle--Watering)

YEREMENKO, V.N.; NAYDICH, Yu.V.; NOSONOVICH, A.A. (Kiyev)

Surface activity of oxygen in liquid copper-oxygen alloys. Zhur. fiz.khim. 34 no.5:1018-1020 My '60. (MIRA 13:7)

1. Akademiya nauk USSR, Institut metallokeramiki i spetsial'nykh splavovi i Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.
(Copper--Oxygen alloys) (Surface tension)

81566

S/076/60/034/06/05/040
B015/B061

5,4400

AUTHORS: Yeremenko, V. N., Naydich, Yu. V., Nosonovich, A. A. (Kiyev)

TITLE: The Interface Activity of Oxygen in Liquid Metal - Solid Oxide Systems

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 6, pp. 1186-1189

TEXT: The wettability of the surface of aluminum oxide and magnesium oxide with copper - oxygen melts was examined (Table, composition of melts from 0.0 to 3.4 at% oxygen). The degree of wetting was determined from the angle of contact (which depends on the interface surface energies). The angle of contact was measured photographically on drops of the metal melt resting on the oxide, in a special vacuum apparatus (Ref. 5) in argon atmosphere at 1150°C. Experiments with the system $Cu(O_2)$-Al_2O_3 showed that the oxygen present in copper greatly increas... the wettability of the oxide with copper. With the help of the Gibbs equation it was calculated that the oxygen adsorption on the interface

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of the metal melt-Al_2O_3 passes through a maximum at an oxygen content of about 1 at% (Fig. 4). Data on the excess concentration of the oxygen bound to the surface of the oxide indicate that the latter is adsorbed at lattice junctions where the aluminum ions are, causing the adsorption of an oxygen ion on an aluminum ion. Similar statements were made with the system $Cu(O_2)$-MgO, where the wettability of copper on magnesium oxide by oxygen is not so greatly increased as in the case of Al_2O_3. There are 4 figures, 1 table, and 8 references: 5 Soviet, 3 American, 1 German, and 1 British.

ASSOCIATION: Akademiya nauk USSR Institut metallokeramiki i spetsial'nykh splavov (Academy of Sciences UkrSSR, Institute for Powder Metallurgy and Special Alloys). Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko (Kiyev State University imeni T. G. Shevchenko)

SUBMITTED: June 30, 1958

SHANOVSKAYA, S.S., kand.khim. nauk; MOSONOVICH, A.A.

Ways of increasing the effectiveness of controlling dust in mines. Bor'ba s sil. 5:92-106 '62. (MIRA 16:5)

1. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti.
(Mine dusts—Prevention)

MIRONENKO, A.V., NOSONOVICH, L.S.

Effect of the main elements of mineral nutrition on the accumulation of alkaloids in lupine. Biul.Inst.biol.AN SSSR no.3: 125-128 '58. (MIRA 13:7)
(ALKALOIDS) (LUPINE)

VECHER, A.S.; SHTUKAR', O.K.; MOSONOVICH, L.S.

Biochemical characteristics of potato varieties based on the composition of cell sap. Bull. Inst. biol. AN BSSR no.5:186-195 '60. (MIRA 14:7)
(POTATOES—VARIETIES) (PLANTS—CHEMICAL ANALYSIS)

NOSONOVICH, N. D.

"Organization and Development of Postal Communications in the USSR". One of a series of Telecommunications lectures given by experts in the scientific research institutes and educational institutes.

SO: Vest. Svyazi, p 24, No. 6, 1952.

NOSONOVICH, N.D.

P. 2, 3, 4

6(0) PHASE I BOOK EXPLOITATION SOV/2800

USSR. Ministerstvo svyazi. Tekhnicheskoye upravle.niye

Novyye razrabotki po organizatsii pochtovoy svyazi; informatsionnyy sbornik (New Developments in the Organization of Postal Communication; Collection of Informational Articles) Moscow, Svyaz'izdat, 1958. 166 p. (Series: Tekhnika svyazi) Errata slip inserted. 8,600 copies printed.

Additional Sponsoring Agency: USSR. Ministerstvo svyazi. Tsentral'nyy nauchno-issledovatel'skiy institut.

Resp. Ed.: A. Ye. Vasenin; Ed.: R.A. Kaz'mina; Tech. Ed.: K. G. Markoch.

PURPOSE: This book is intended for post office workers.

COVERAGE: This collection of articles discusses efforts of the Central Scientific Research Institute of Communications

Card 1/4

to organize and mechanize work processes in postal service establishments. It describes the organization of postal functions and ways to determine the efficiency of mechanized operations. Some articles discuss future development of the postal service. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

New Developments SOV/2800

AVAILABLE: Library of Congress (HE 6237 .R85)

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JG/mmh
1-6-60

DOBYCHINA, Liya Yakovlevna; NOSONOVICH, N.D., otv. red.; SIDOROVA, T.S., red.

[Organization of postal communication] Organizatsiia pochtovoi sviazi. Moskva, Sviaz', 1965. 286 p. (MIRA 18:9)

L 10779-66 EWT(d)/FSS-2/EWT(1)/EWP(f)/EWP(c)/T/FCS(k)/ETC(m) WW
ACC NR: AP6001007 SOURCE CODE: UR/0286/65/000/022/0078/0078

INVENTOR: Arinushkin, L. S.; Polinovskiy, A. Yu.; Nosotsev, I. M.

ORG: none

TITLE: Locking device for moving parts of mechanisms. Class 47, No. 176472

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 78

TOPIC TAGS: valve, valve design, liquid rocket engine

ABSTRACT: This Author Certificate introduces a locking device for moving parts of mechanisms, such as liquid-rocket engine valves, containing a rod with a sealing cone controlled by a pneumatic device (see Fig. 1). To ensure two-way action of the

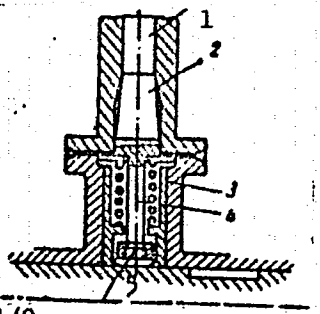


Fig. 1. Locking device for moving parts

1 - Rod controlled by a pneumatic cylinder;
2 - sealing cone; 3 - spring-loaded bushing;
4 - thin rod; 5 - head.

Card 1/2 UDC: 621.646.983

L 10779-66

ACC NR: AP6001007

8

device, it is equipped with a spring-loaded bushing, which is coupled concentrically with the stem of a rod. This stem is made in the form of a thin rod with a head which disengages for the repeat action. Orig. art. has: 1 figure. [TN]

SUB CODE: 21/ SUBM DATE: 29Oct64/ ATD PRESS: 4168

Card 2/2

NOSOV, A.A.

New data on alkali trobyte porphyries in Dusheti District.
Soob. AN Gruz. SSR 31 no.1:83-88 Jl '63. (MIRA 17:7)

NOSOV, A. I.

"Age Anatomy of the Upper Respiratory Tract in the Silver-Black Fox." Thesis for degree of Cand. Biological Sci. Sub 24 Apr 50, Moscow Fur (and Pelt) Inst

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950

NOSOV, A. I.

How we introduced the lower echelon business accounting.
Transp.stroi. 9 no.5:39-40 My '59. (MIRA 12:12)

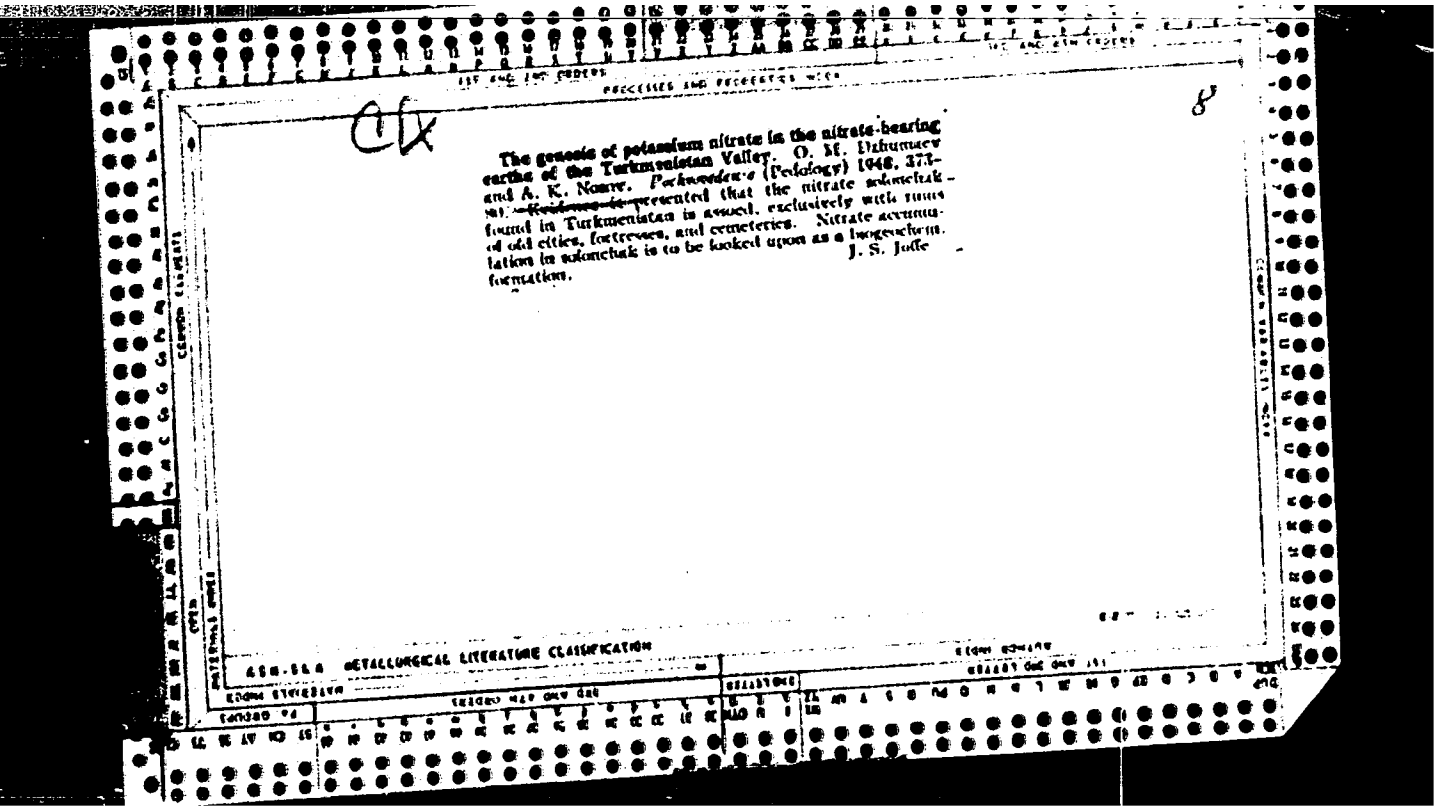
1. Glavnyy bukhgalter mostopoyezda No.613.
(Bridge construction--Accounting)

NOSOV, Aleksandr Ivanovich, dots., kand. tekhn.nauk; BOTVINIK, Boris Sholomovich; BULIN, Vasiliy Petrovich; GONCHAROV, Vasiliy Savel'yevich; SAPELKIN, Vladimir Aleksandrovich; MIKHEYEVA, L.N., red.izd-va; KARLOVA, G.L., tekhn. red.

[Over-all mechanization and automation at repair enterprises of the lumbering industry] Kompleksnaia mekhanizatsiia i avtomatizatsiia na remontnykh predpriiatiiakh lesnoi promyshlennosti; sbornik statei pod red. A.I.Nosova. Moskva, Goslesbumizdat, 1963. 68 p. (MIRA 16:7)
(Lumbering--Machinery)

VAKHURKIN, V.M.; GLADSHTEYN, L.I.; KARMILOV, S.S.; KLIMOV, S.A.; LEVITANSKIY, I.V.; MALININ, B.N.; NOSOV, A.K.; PAL'M, Yu.A.; POLYAK, V.S.; POPOV, G.D.; RASSUDOV, V.M.; KRASYUKOV, V.P.; SOKOLOV, A.G.; Prinimali uchastiye: GORBATSKIY, Ye.I.; MATVEYEV, S.S.; STRELETSKIY, N.S., prof., retsenzent; MUKHANOV, K.K., dots., retsenzent; BOLOTINA, A.V., red.; MIKHEYEVA, A.A., tekhn. red.

[Light-weight supporting metal structures] Oblegchennye nesushchie metallicheskie konstruktsii. Moskva, Gosstroiizdat, 1963. 282 p. (MIRA 17:2)



The genesis of potassium nitrate in the nitrate-bearing earths of the Turkmenistan Valley. O. E. Dzhumaev and A. K. Nasyr. *Pochvovedenie* (Pedology) 1948, 377–381. ~~[illegible]~~ presented that the nitrate solonchak found in Turkmenistan is associ. exclusively with ruins of old cities, fortresses, and cemeteries. Nitrate accumulation in solonchak is to be looked upon as a biogenetic formation.

J. S. Joffe

NESOV, A. K.

USSR/Minerals
Nitrates
Soil

Jun 48

"Genesis of Potassium Nitrate in Nitrate-Bearing Soils of the Plains of Turkmenistan," O. M. Dzhumayev, A. K. Nesov, Bot-Planting Inst, Turkmen Affiliate, Acad Sci USSR, 8 pp

"Pochvovedeniye" No 6

Niter salt bottoms of subject plains are the result of disintegration of old towns, castles and cemetaries. Salt bottoms not related to such disintegration contain very small amounts of niter. In all cases nitrates result from direct action by microflora. Niter salt bottoms are bio-geochemical occurrences.

PA 48/49T75

NOSOV, A. K.

Mbr., Botanical Institute, Turkmen Affiliate of the Academy of Sciences of the USSR

"Water Content in the leaves of the potato plant," Izv. Turk. fil. AN SSSR, no. 2:55-60 1949

USSR,

Fermentative characteristics of the development of the flower buds of fruit trees. A. K. Nosov. *Izvest. Akad. Nauk Turkmen. S.S.R.* 1953, No. 3, 14–19; *Referat. Zhur., Khim.* 1954, No. 25183.—The study dealt with the question of the transformations of sugars in the flower buds of plum, apple, pear, peach, and apricot trees in order to find the role of sugars in the bud development; the effect of light was also investigated. The results indicated that light does not play any significant role in the bud development during the winter-spring period and that during this time the synthesis of sucrose predominates over its hydrolysis. During the spring development of the buds an intense hydrolysis of sucrose takes place, reaching a max. at the flowering time. There is a parallelism between the spring sugar transformations in buds and the vernalization period of the plants; the fruit trees with a relatively late flowering time are analogous to the annual winter crops characterized by a long vernalization period.

E. Wierbicki

NOSOV, A.K.; LEMAYEVA, A.M.

Reciprocity in ontogenesis of potatoes of the maternal tuber and the plant growing from it. Izv.AN Turk.SSR no.1:47-55 '55. (MLRA 9:5)

1. Institut biologii AN Turkmenskoy SSR.
(Potatoes)

M

Country : USSR
Category: Cultivated Plants. Commercial. Oil-Bearing. Sugar-Bearing.

Ab Jour: RZhBiol., No 11, 1958, No 49018

Author : Nosov, A.K.
Inst : AS Uzbek SSR
Title : Results of the Scientific Research Work on Cotton Cultivation Carried out by the Academy of Sciences of the Turkmen SSR in 1956.

Orig Pub: V sb.: Materialy Mezhresp. soveshchaniya po koordinatsi. nauchno-issled. rabot po khlopkovodstvy, 1957, g. Tashkent, AN UzSSR, 1957, 77-82.

Abstract: No abstract.

Card : 1/1

SOV/165-58-6-5/24

AUTHORS: Nardina, N.S. and Nosov, A.K.

TITLE: On the Importance of the Leaves of the Upper Row of the Main Stem of Cotton Plants for Seed Formation

PERIODICAL: Izvestiya Akademii nauk Turkmenskoy SSR, 1958, Nr 6, pp 37-41 (USSR)

ABSTRACT: The removal of all bolls but one in cotton plants for the purpose of improving the feeding of the remaining one did not hold good since all leaves do not contribute evenly to their nutrition, but only the adjacent leaves, in special measure, do so in the process of photosynthesis. This decreases, however, upon removal of the bolls. The anatomomorphological characteristics of the leaves in various row levels are different due to the difference in their chemical-physiological functions, whereby the upper leaves are considerably superior to those further down in the intensity of photosynthesis and respiration. The amount of sugars is higher and these display more favorable forms - enriched by albumin. While the reserve materials, most important for the weight of the individual seeds, come from the adjacent leaves, the germination-determining vitamins are delivered preferably by the leaves of the upper row due to the greater intensity of their formation. It seems, according-

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On the Importance of the Leaves of the Upper Row of the Main Stem of Cotton Plants for Seed Formation

ly, that the embryonic life of the seeds goes through two consecutive periods: in the first the ferment system is formed, in the second the reserve materials. In the latter, then, the necessity of the activity of the physiologically active leaves is not present. This is also reduced with the advancing age of the plant. Finally practical instructions about the handling of the plants, are also given.
There are 3 tables and 13 Soviet references.

ASSOCIATION: Institut botaniki AN Turkmenskoy SSR (Botanical Institute of AS of the Turkmenian SSR)

SUBMITTED: May 20, 1958

NOSOV, A.K.

Secondary products of photosynthesis in fine-fiber cotton plants.
Fiziol. rast. 8 no.2:176-182 '61. (MIRA 14:3)

1. Institute of Botany, Turkmenian S.S.R. Academy of Sciences, Ashkhabad.
(Cotton) (Photosynthesis)

POLYANSKAYA, L.A.; MOSOV, A.K.; OVCHAROV, K.Ye.; NECHAYEVA, N.T., prof., red.; KUZ'MENKO, A.I., red.izd-va; IVONT'YEVA, G.A., tekhn. red.

[Importance of some vitamins for the vital processes in fine-fiber cotton] Znachenie nekotorykh vitaminov v zhiznedeiatel'nosti tonkovoloknistogo khlopchatnika. Ashkhabad, Izd-vo AN Turkm.SSR, 1963. 34 p. (MIRA 16:7)

1. Chlen-korrespondent AN Turkm.SSR (for Nechayeva).
(Turkmenistan—Cotton growing) (Plants, Effect of vitamins on)

NOSOV, A.K.

Results of studying the physiology of Soviet fine-fiber cotton. Izv. AN Turk. SSR. Ser. biol. nauk no.5:29-32 '64. (MIRA 18:2)

1. Institut botaniki AN Turkmenskoy SSR.

RABOCHEV, I.S.; LAVROV, A.P.; PALETSKAYA, L.N.; TRAPEZNIKOV, F.F.; KOSTYUCHENKO, V.P.; NOSOV, A.K.; SEMERGEY, K.N.

Grigorii Il'ich Dolenko, 1886-1864; an obituary. Izv. AN Turk.SSR. Ser.biol. nauk no.1:99-100 '65. (MIRA 18:5)

PALETSKAYA, L.N.; LOBOVA, Ye.V.; LAVROV, A.P.; RABOCHEV, I.S.; BABAYEV, A.G.; TRAPEZNIKOV, F.F.; KOSTYUCHENKO, V.P.; NOSOV, A.K.

Grigorii Il'ich Dolenko, 1886-1964; an obituary. Pochvovedenie no.5:119-120 My '65. (MIRA 18:5)

NOSOV, A. V.

NOSOV, A.V.; BYKOV, D.V.; KISELNISHSKIY, I., redaktor; NATAPOV, M., tekhnicheskiy redaktor.

[Electric spark method of working metals] Elektroiskrovaia obrabotka metallov. Moskva, Vses. kooperativnoe izd-vo, 1953. 163 p. (MLRA 7:7)
(Electric spark) (Metals--Finishing)

NOSOV, A. V.

4503. Nosov, A. V. Izgotovleniye i Remont Shtampov elektroiskrovym sposobo... M., 1954 34s., bkluch. Obl., 5 ill. 23 sm. (Tsentr. Sovet Promysl. Kooperatsii SSSR. Tekhn. Upr. Obmen Proizvod.---Tekhn. Opyto . Byulleten' 21). 1.000 Ekz. Bespl. Avt. ukazan V kontse teksta.----(54-14634zh) 621.961.002+621.7/9): 537.52

NOSOV, A. V.

4506. Nosov, A. V. Kholodnoye vo ochneniye metallov. M., koiz, 1954. 35 s., v'lyuch. Ob ., S 111 22sm. (Tsentr. Sovet Promyslkoop ratsii SSSR. T kh. UFR. Obmen proizvod.----ptekhn. opytom. Byulleten' 27). 2.000 ekz. B pl.----Sost. Ukazany v vyp. Dan.---(54-14853zh) 621.77

KAZENNOV, Yuriy Ivanovich, kand. tekhn. nauk, NOSOV, Aleksey Vladimirovich, inzh.; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Welding of nickel-silicon alloys] Svarka nikelekremnistogo splava. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-385/28) (MIRA 16:3)
(Nickel-silicon alloys—Welding)

VASIL'YEV, I.V., inzh.; NOSOV, A.V., inzh.

Calculating worm gears with varying pitch and cutting them on universal machine tools. Trudy NIIKHIMMASH no.26: 3-15 '58. (MIRA 13:7)
(Gearing, Worm)

82783
SOV/184-59-5-12/17

18.9530

AUTHOR: Nosov, A.V., Engineer

TITLE: Chemical Equipment Made of Titanium

PERIODICAL: Khimicheskoye mashinostroyeniye, 1959, Nr. 5, pp. 35-39 (USSR)

ABSTRACT: The use of titanium and its alloys for special purposes in the chemical industry is reviewed. Table 1 contains data on the chemical composition of "BT 1" (VT1) technically pure titanium and the following alloys: "BT 3" (VT3), "BT 3-1" (VT3-1), "BT 4" (VT4), "OT4" (OT4), "BT 5" (VT5), "BT 6" (VT6), "BT 8" (VT8). Table 2 contains data on the physical properties of the aforementioned alloys. Technically pure titanium (VT1) and the OT4 alloy are most suitable for manufacturing chemical equipment, according to their chemical, physical and technological properties. Sheet titanium is produced in sizes of 400x2,000 mm to 1,000x2,000 mm in thicknesses of 0.5-10 mm, and 12-30 mm upon special order. Seamless pipes are produced from VT1 and VT5 in dimensions of 6x1 to 54x4 mm in lengths ranging from 2 to 7 m. The production of electrically welded pipes has been started. Metallurgical plants produce forgings, shaped rolled stock and wire of up to 0.01 mm diameter. Methods of processing titanium and its alloys are discussed: cutting, planing, turning, milling,

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drilling, grinding, polishing, pressing, welding and heat-treating. Cutting of technical titanium is comparable to that of "18-8" grade stainless steels. Cutting of titanium alloys is considerably more difficult. Good results can be obtained at cutting with vibrating disks; bars of 160 mm diameter can be cut within 10 minutes. The Soviet industry has experience in cutting sheets with guillotine and roller shears. For machining titanium and its alloys, tools with "BK4" (VK4) or "BK8" (VK8) hard alloy tips are used. Literature contains very little information on the planing of titanium. According to data available, cutters with "BK5" (VK5) hard alloy tips are used for planing. Machining conditions are about the same as for "18-8" steels. Milling with hard alloy cutters is done at speeds of 28-158 m/min, 0.03-0.08 mm feed per tooth, 1.25- 4 mm depth of cutting. Cutters have the longest life when sulfurized oil is used; water solutions of emulsions are not recommended. Drilling is done by high-speed steel drills or drills with hard alloy tips at speeds of 3-5 m/min or 10-15 m/min, respectively. The feed for holes of 5-10 mm diameter is 0.1-0.2 mm/rev. Threading is done at a speed of 15-25 m/min. Tapping is performed with taps having checkered teeth at a speed of 1-2 m/min using a mixture "sul'fofrezol" and oleic acid as a lubricant. Only wet grinding of titanium is performed, using discs made of green silicon carbide with a granularity of 80

IX