

SPASOV, Sp.; KOLESNIKOV, Vl.; DESPOTOV, V.; SAVOVA, E.; LEVI, S.

Early and remote results of Olbi operation. Khirurgia, Sofia 11 no.5-6:
~~1958-560~~ 1958.

1. Iz Sanatorijuma za kostno-stavna tuberkuloza--Pancharevo.
(TUBERCULOSIS, OSTEOARTICULAR, surgery,
Olbi operation (Bul))

SAVOVA, Nadezhda

Studies of the efficiency of interrow cultivation and timely
thinning of cotton crops. Selskoston nauka 2 no.5/6:592-
597 '63.

SAVOVIC, Dusan

Unusual happenings in railroad transport, and financial and
legal responsibility of railroads. Zeleznice Jug 19 no.140-
45 Ja '63.

SAYOVIC, Busem, dipl. pravnik

Behavior of the users of railroad crossings. Zeleznice Jug
30 no.11,36-30. N 164.

SAVOVO, G.

Preventing the Corrosion of Cans through Passivation. Leka Promishlenost
(Light Industry), #5:45:May 55

SAVOY, S.

IANKOV, N.; MITOV, A.; SAVOY, S.; PANTEV, I.; TRODOSIEV, L.

A field rodent *Apodemus agrarius*, the carrier of *L. bataviae*.
Suvrem. med., Sofia 7 no.10:86-87 1956.

1. Iz Katedrata po propedeutika na vutreshnite bolesti (Zav. katedrata: dots. An. Mitov) i Instituta po biologija pri VMI I.P. Pavlov - Plovdiv (Zav: prof. Zh. Lambrev).

(LEPTOSPIRA

bataviae, transmission by *Apodemus agrarius*)

(RODENTS

Apodemus agrarius, carrier of *Leptospira bataviae*)

SAVOYSKAYA, G.I.

Materials on the study of beetles of the family Coccinellidae in
Alma-Ata Province. Trudy Inst.zoocl.AN Kazakh.SSR 2:157-159 '53.
(Alma-Ata Province--Ladybirds) (MLRA 10:2)

SAVOYSKAYA, G. I.

SAVOYSKAYA, G. I.: "The coccinellides of southeastern Kazakhstan."
Acad Sci Kirgiz SSR. Department of Biological Sciences.
Frunze, 1956. (Dissertation for the Degree of Candidate in Bio-
logical Sciences).

SO: Krizhnaya letopis', No 23, 1956

SAVOYSKAYA, G.I.

Morphological and taxonomic study of coccinellid larvae in
southeastern Kazakhstan [with summary in English]. Ent. oboz.
39 no.1:122-133 '60. (MIRA 13:6)

1. Tomskiy gosudarstvennyy pedagogicheskiy institut.
(Kazakhstan--Ladybirds) (Larvae--Insects)

SAVOYSKAYA, G.I.

Hibernation sites of some coccinellids in southeastern Kazakhstan.
Zool.zhur. 39 no.6:882-887 Je '60. (MIRA 13:7)

1. Tomsk State Pedagogical Institute.
(Trans-Ili Ala-Tau--Ladybirds)
(Hibernation)

S. VOYSKAYA, G.I.

The ladybug *Stethorus punctillum* Ws. Trudy Inst.zool.AN Kazakh.SSR
11:142-144 '60. (MIRA 13:11)

(Ladybirds)

SAVOYSKAYA, G.I.

Ladybirds of the tribe Chilocorini (Coleoptera, Coccinellidae) of
southeastern Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 18:
189-200 '62. (MIRA 17:3)

SAVOYSKIY, A. G.

"The Dynamics of Sugar and Glycogen Under Normal and Certain Pathological Conditions in High Yielding Cows." Cand Vet Sci, Chair of Physiological Pathology, Moscow Veterinary Academy, Min Higher Education USSR, Moscow, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

SAVOYSKIY, A.G., kandidat veterinarnykh nauk.

Functional analysis of the liver in highly productive cows.
Veterinariia 32 no.11:55-57 N '55. (MLRA 8:12)

1. Moskovskaya veterinarnaya akademiya.
(LIVER--GLYCOGENIC FUNCTION) (VETERINARY PHYSIOLOGY)

SAVOISKI, A. G. - *Cand. Vet. Sci.*

"Carbohydratic therapeutics during metabolism disorder in highly
productive cows."

Veterinariya, Vol. 37, No. 1, 1960, p. 36

Moscow Vet. Acad.

POLUKHIN, F.S.; SAVOYSKIY, A.G.

Scientific conference on pathological physiology of farm animals.
Pat. fiziol. i eksp. terap. 8 no.1:83-85 Ja-F '64.

(MIRA 18:2)

AUTHORS: Savoyskiy, E.K., Al'tshuler, S.A. and Kozyrov, B.M.

TITLE: Paramagnetic Resonance (Paramagnitnyy rezonans)

PERIODICAL: Izvestiya Akademii Nauk, Vol. XX, #11, pp 1199-1206
1956, USSR, Seriya fizicheskaya

ABSTRACT: The authors describe the history of discovery of paramagnetic resonance and the subsequent progress of its study in the USSR. The phenomenon of paramagnetic resonance was discovered by Savoyskiy (1) in 1944. The experimental and theoretical study of this phenomenon has been developed along three main directions:

a. Determination of paramagnetic resonance spectra in various substances, in which connection Savoyskiy (15) discovered the existence of weak lines corresponding to $\Delta M > 1$ transitions, where M is the magnetic quantum number of the electronic spin. The hyperfine structure of paramagnetic resonance lines has been extensively investigated by many scientists.

Card 1/4

TITLE:

Paramagnetic Resonance (Paramagnitnyy rezonans)

Al'tshuler et al. (22) found the effect of the atomic nucleus spin on the shape of the paramagnetic resonance spectrum. Zaripov (26) developed the theory of hyperfine structure on singular electronic levels. Salikhov (27) discovered the phenomenon also in free organic radicals. Some of the organic substances were found to possess a "hidden" paramagnetism. Paramagnetic dispersion in the resonance region was investigated for the first time by Zavoyskiy (32).

b. Determination of the shape of paramagnetic resonance lines:

The first theoretical interpretation of experiments on the shape of the lines was advanced by Frenkel' (36). A generalization of the theory was carried out by Al'tshuler (43), while Shaposhnikov (45) devised a phenomenological theory of the problem of the width of lines.

Card 2/4

TITLE: Paramagnetic Resonance (Paramagnitnyy rezonans)

c. Determination of the magnitude of spin-lattice interaction:

Shaposhnikov (53) advanced a general thermodynamical theory, including spin-spin relaxation. His formulae were excellently confirmed by experiments. Al'tshuler (57) generalized on Waller's theory of spin-lattice relaxation in the case of arbitrary spin. Neprimerov (61) measured the rotation of the polarization plane of cm waves under the effect of a constant magnetic field. His results showed that there exists a close connection between the Faraday phenomenon in paramagnetics and the dispersion of susceptibility in the resonance region. Al'tshuler (62) developed a theory of resonance absorption of ultra-sound in paramagnetics. Al'tshuler's computations showed that both electronic and nuclear acoustic paramagnetic resonances can in some cases be observed experimentally.

Card 3/4

TITLE: Paramagnetic Resonance (Paramagnitnyy rezonans)
There are 62 references, of which 47 are Slavic.

INSTITUTION:

PRESENTED BY:

SUMMITTED: No date

AVAILABLE: At the Library of Congress.

Card 4/4

PONOMAREV, Ivan Vasil'yevich; SAVRAN, Valentina Yakovlevna. ROZHKOV, Vadim
Aleksyevich; MARGOLIN, V.A.; otvetstvennyy redaktor; GARNER, T.N.,
redaktor izdatel'stva; ZAZUL'SKAYA, V.P., tekhnicheskiy redaktor

[Machines for screening and crushing coal; a survey of foreign
engineering] Mashiny dlia grokhochenia i drobleniia uglia; obzor
inostranoi tekhniki. Moskva, Ugletekhizdat, 1956. 59 p. (MLBA 10:1)
(Coal preparation)

SAVRAN, V. Ya.

PONOMAREV, I.V., inzh.; SAVRAN, V.Ya., inzh.; ROZHEOV, V.A., inzh.; KURKIN,
Yu.P., inzh.

New machine for the preparation and crushing of coal samples. Sbor.
inform. po obog. i brik. ugl. no.1:53-58 '57. (MIRA 11:4)
(Sampling) (Coal)

SAVRAN, V.Ya., inzh.; KURKIN, Yu.P., inzh.

Determining the efficiency of a double-deck screen. Obog. 1 brk.
ugl. no.9:29-37 '59. (MIRA 12:9)
(Screens (Mining))

SAVRAN, V. Ya., inzh.

Increasing the yield of large sized anthracite in the coal preparation plant of the "V. I. Lenin" Mine (Nesvetayantratsit Trust). Obog. i brik. ugl. no.24:11-18 '62.

(MIRA 15:10)

(Anthracite) (Donets Basin--Coal preparation plants)

SAVRAN, Ye. G. Cand Vet Sci -- (diss) "The pathways of lymphatic
flow from the proximal part of the chest ^{flon} of the horse and their
topography." Mos, 1957. 20 pp with illustrations 20 cm. (Mos Vet
Acad of the Min of Agr USSR). 140 copies. (KL, 23-57, 115)

-110-

102

SAVRANCHENKO, A.A.; BURAS, Ya.M.

Scrap metal faggotting by powerful presses. Stal' 25
no.12:1155-1157 D '65. (MIRA 18:12)

1. Magnitogorskiy metallurgicheskiy kombinat.

SAVRANCHUK, G.

Operating electric motors on load handling winches of gantry cranes. Mor.flot 17 no.6:25-26 Je '57. (NLEA 10:7)

1. Nachal'nik tekhnicheskogo otdela Kerchenskogo porta.
(Cranes, derricks, etc.) (Winches--Electric driving)

СРАВНЕНИЕ ПЕТР ТЕРЕНТЬЕВИЧ

CHUGAY, Aleksandr Maksimovich, starshiy nauchnyy sotrudnik; ~~SAVRANCHUK,~~
Petr Terent'yevich; BABENKO, Nikolay Vasil'yevich; ROZENTAL',
Yu.M., kand.ekon.nauk, otvetstvennyy red.; BRAILOVSKAYA, M., red.;
GLAZYRINA, D., red.; ROROKINA, Z., tekhn.red.

[Economic aspects of reed-panel work] Ekonomika kamyshitovogo
proizvodstva. Otvetstvennyi redaktor IU.M.Rozental'. Alma-Ata,
Izd-vo Akad. nauk Kazakhskoi SSR, 1958. 210 p. (MIRA 11:5)

1. Institut ekonomiki Akademii nauk Kazakhskoy SSR (for Chugay)
(Rush work)

SAVRANSKAYA, A. P.

1
4E2.C

Use of the Carbometer for the Rapid Determination of Carbon during the Production of O.H. Steel / V. G. F. Chub, I. N. Treigov, A. P. Savranskaya and G. A. Babich. (Zavodskaya Laboratoriya, 1966, No. 8), 391-397. (In Russian). A method of carbon determination sufficiently rapid for following the course of the O.H. process is described. It is based on the use of a magnetic permeability instrument (carbometer) requiring samples in the form of rods 120 mm long and 12.90 ± 0.01 mm. in diameter. The cast sample is first dealt with by the instrument, crushed and examined for pores and slag inclusions. If these are at a sufficiently low concentration the result is accepted and manganese is determined steoscopically, the whole procedure taking 2-3 min. The results are radioed to the O.H. shop.

plz for any

Zavod "Zaporozhstal" im S. Ordzhonikidze

SAVRANSKAYA, A.P.

SOV/137-58-7-14063

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 12 (USSR)

AUTHORS: Treyger, I. N., Kashcheyeva, N. A., Savranskaya, A. P.

TITLE: Determining the Reducibility of the Sinter at the Zaporozhstal' Plant (Opredeleniye vosstanovimosti aglomerate na zavode "Zaporozhstal'")

PERIODICAL: Byul. nauchno-tekhn. inform. Ukr. n. -i. in-t metallov, 1957, Nr 2, pp 84-89

ABSTRACT: Improvement in the methods of determining the reducibility of the sinter makes it possible to run 20-24 analyses per day instead of 5. The sinter sample taken is 200 g in the 8-10 mm fraction at $800 \pm 5^{\circ}\text{C}$. The gas flow is continued for 1 hour 25 min, and the rate of gas passage is 3.4 liters/min, the total gas consumption being 290 liters. For better employment of the furnaces, 2 reaction tubes are assigned to each (to permit one tube to be charged while the other is cooling). Their design has been improved: size is reduced by 60 percent, the Fe crucible is replaced by a screen floor, and the method of sealing the reaction tube has been changed (bolted flanges have been replaced by a threaded cover). Three reaction furnaces

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SOV/137-58-7-14063

Determining the Reducibility of the Sinter at the Zaporozhstal' Works

have been installed. Blast-furnace gas may be used instead of producer gas. Blast-furnace gas containing 10% CO₂, 0.5% O₂, and 30.5% CO acquires the following composition after being passed through a 30% caustic or pyrogallol solution: 0.5% CO₂, no O₂, and 32.8% CO.

G. F.

1. Ores--Processing
2. Sintering furnaces--Performance
3. Gases--Applications

Card 2/2

SOV/133-58-10-30/31

AUTHORS: Treyger, I.N., Kashcheyev, N.A. and Savranskaya, A.P.

TITLE: Tin Recovery from Waste Products of Tin Plating
(Iz vlecheniye olova iz otkhodov luzheniya zhesti)

PERIODICAL: Stal', 1958, № 10, pp 957-959 (USSR)

ABSTRACT: During hot tinning of white tinplate, only 80% of tin is actually consumed for tinning; the remaining 20% is transferred into waste products. A chemical method of recovery of tin from the waste products is proposed. It consists of dissolving waste products in hydrochloric acid and, after dilution with water, tin is precipitated in the form of sponge by zinc. Tin sponge is washed, pressed into briquettes and smelted under flux. Tin recovered in this way is suitable for the manufacture of white tin plate. The solution of zinc and ferrous chlorides, which remains after the separation of tin sponge, is treated with 30% hydrogen peroxide to oxidise ferrous iron to ferric iron, which is then precipitated with 25% ammonia (pH = 2). The precipitated ferric hydroxide is separated either by settling or centrifuging and the

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SOV/133-58-10-30/31

Tin Recovery from Waste Products of Tin Plating

remaining zinc chloride solution is evaporated to a
sp.gr. 1.52-1.54, purified from sulphate ions by treatment
with CaCl_2 and used as a flux for tinning.

There is 1 figure.

ASSOCIATION: Zavod "Zaporozhstal'" ("Zaporozhstal'" Works)

Card 2/2

SAVRANSKAYA, M.N.

Course and treatment of periarticular tuberculous foci in dispensaries and hospitals. Probl. tub. 35 no.6:81-86 '57. (MIRA 12:1)

1. Iz Moskovskoy gorodskoy tsentral'noy klinicheskoy tuberkuleznoy bol'nitsy (zav. kostnym otdeleniyem - prof. A. Z. Sorokin, glavnyy vrach - prof. V. L. Kynis.

(FOCAL INFECTION

tuberc. near joints, in etiol. of osseous tuberc. (Rus))

(TUBERCULOSIS, OSTEOARTICULAR, etiol. & pathogen.

tuberc. foci near joints (Rus))

SAVRANSKAYA, L.M., Cand Med Sci—(diss) "The course and treatment of peri-articular tuberculous foci under dispensary and hospital conditions." Mos, 1950. 16 pp (Acad Med Sci USSR), 200 copies.
(KL, 22-50, 115)

-185-

NIKITIN, V.I.; SAVRANSKAYA, S.D.

Tertiary triatomic alcohols of the acetylene series and their conversions.
Part 2. Synthesis of 3,4,7-trimethyloctyne-5-triol-3,4,7,2,5,-dimethyl-5-(1-oxycyclohexyl)-pentene-3-diol-2,5 and 2,4-di-(1-oxycyclohexyl)-butine-3-ol-2. *Zhur.ob.khim.* 23 no.7:1146-1153 J1 '53. (MLRA 6:7)

1. Insitut khimii Akademii Nauk Tadzhikskoy SSR.

(alcohols)

SAVRANSKAYA, S. D.

Tertiary triatomic alcohols of the acetylene series and their transformations. III. Oxidation with potassium permanganate. V. I. Nikitin and S. D. Savranskaya (Inst. Chem. Acad. Sci., Tadzhik. S.S.R.). *Zhur. Obshchei Khim.* 23, 1330-8 (1951); cf. *C.A.* 47, 12240b. It was shown that in reality no tautomeric forms of tertiary acetylenic glycols or other tertiary polyatomic alcs. have any existence. Such alcs. are oxidized by KMnO_4 at the triple bond to diketones in the 1st stage, followed by 2-fold oxidation: cleavage between C atoms (one being a carbonyl, the other an alc. C atom) to yield $(\text{CO}_2\text{H})_2$, and cleavage of the chain between 2 HO groups (cf. Krstiński and Per-siantseva, *J. Russ. Phys.-Chem. Soc.* 55, 1077 (1920); Dupont, *C.A.* 8, 1879). The following list describes the oxidation products of various polyatomic alcs. $\text{Me}_3\text{C}(\text{OH})\text{C}(\text{CCMe}(\text{OH})\text{C}(\text{OH})\text{Me})_2$, m. $82-3^\circ$, (20 g.) in 100 ml. H_2O treated slowly with 1134 ml. 3% KMnO_4 at room temp. gave, after filtration of the MnO_2 , 3.51 g. unreacted alc., some 0.55 g. Me_2CO , 1.2 g. $\text{Me}_2\text{C}(\text{OH})\text{Ac}$, AcOH , and HCO_2H (requiring 0.76 g. NaOH for neutralization), 0.6 g. $(\text{CO}_2\text{H})_2$, and 4.7 g. $\text{Me}_2\text{C}(\text{OH})\text{CO}_2\text{H}$. Similarly 20 g. $\text{Me}_2\text{C}(\text{OH})\text{C}(\text{CCMe}(\text{OH})\text{CMe}(\text{OH})\text{Et})_2$ gave 0.8 g. Me_2CO , about 1 g. MeEtCO , 1.6 g. $\text{MeEtC}(\text{OH})\text{Ac}$, AcOH , HCO_2H , 0.95 g. $(\text{CO}_2\text{H})_2$, and 4.1 g. $\text{Me}_2\text{C}(\text{OH})\text{CO}_2\text{H}$. 2,5-Di-methyl-5-(1-hydroxycyclohexyl)-3-pentyne-2,6-diol (20 g.) gave 0.7 g. Me_2CO , 1.4 g. cyclohexanone, about 4 g. acetyl-cyclohexanol (semicarbazone, m. $194-5^\circ$), AcOH , HCO_2H , 3.2 g. $(\text{CO}_2\text{H})_2$, and 4.2 g. $\text{Me}_2\text{C}(\text{OH})\text{CO}_2\text{H}$. Similarly 20 g. 1,2,4-bis(1-hydroxycyclohexyl)-3-butyne-2-ol gave 1.5 g. cyclohexanone, a small amt. of acetylcyclohexanol, AcOH , 1.6 g. $(\text{CO}_2\text{H})_2$, 4.6 g. α -hydroxyhexahydrobenzoic acid, and 2.6 g. adipic acid. Oxidation of 8.5 g. 2,6-bis(1-hydroxycyclohexyl)-3-hexyne-2,5-diol gave 2.5 g. unreacted triol, 0.9 g. cyclohexanone, 1.3 g. acetylcyclohexanol, some AcOH and HCO_2H , 0.9 g. $(\text{CO}_2\text{H})_2$, and 0.3 g. adipic acid. Oxidation of 6 g. 2-(1-hydroxycyclohexyl)-3-butyne-2-ol gave 1.3 g. unreacted alc., 0.3 g. cyclohexanone, 1 g. acetyl-cyclohexanol, AcOH , HCO_2H , 0.4 g. $(\text{CO}_2\text{H})_2$, and a little adipic acid. G. M. Kosolapoff

SAVRANSKAYA, S. D.

6278. Savranskaya, S. D. Sintez tretichnykh trekhatomnykh spirtov atsetilenovogo ryada i ikh okisljeniye. M. 1954. 12s. 20sm. (Kad. nauk SSSR, otdniye khim. nauk. In-t organich. khimii). 100ekz. B. Ts. [54-58172]

SO: Knizhamya Letopis' 1; 1955

Savranskaya, S. D.

✓ Tertiary triatomic alcohols of the acetylene series and their transformations. VI. Synthesis of 2,3,6-trimethyl-4-octyne-2,3,6-triol, 3,4,7-trimethyl-5-nonyne-3,4,7-triol, 2-methyl-5-(1-hydroxycyclopentyl)-3-hexyne-2,5-diol, and 2,4-bis(1-hydroxycyclopentyl)-3-butyne-2-ol. V. I. Nikitin and S. D. Savranskaya. *Zhur. Obshch. Khim.* 25, 1106-11 (1953), *cf. C.A.* 47, 12240b; 49, 10850h. -- MeEtC(OH)-C₂H (b.p. 117-10°, d₄ 0.8692, n_D²⁰ 1.4311; 24 g.) and 20 g. Me₂CAcOH were added in 150 ml. Et₂O over 4 hrs. to 30 g. powd. KOH under dry Et₂O at -2°; the mixt. was treated with H₂O on the following day and extd. with Et₂O, yielding some [MeEtC(OH)C₂H], b.p. 90-120°, m. 54°, 80% Me₂C(OH)-CMe(OH)C₂CCMe(OH); b.p. 120-0° (crude); b.p. 131-2°, d₄ 1.0216, n_D²⁰ 1.4700, which on standing solidified 1661 m. 57-0°, and 2.0 g. [Me₂C(OH)CMe(OH)C₂H]; b.p. 120-10° (crude), m. 154-5°. Similar reaction of 30 g. EtMeC(OH)-C₂H and 25 g. EtMeAcOH with 30 g. powd. KOH in Et₂O gave a little [MeEtC(OH)C₂H], 83.5% [EtMeC(OH)-CMe(OH)C₂H]; b.p. 135-40°, d₄ 1.0143, n_D²⁰ 1.4810, and a little [MeEtC(OH)CMe(OH)C₂H], m. 155-6°. Me₂C(OH)-C₂H (30 g.) and 32 g. (C₂H₅)₂C(OH)Ac (I) [b.p. 70-1°, d₄ 1.0437, n_D²⁰ 1.4674; prepd. by hydration of 1-ethynylcyclopentanol (II) treated similarly yielded 72.3% (CH₂)₂C(OH)CMe(OH)C₂CCMe(OH); b.p. 150-1°, m. 68-9°, and a small amt. of unknown material, m. 224-5°. Similar reaction of 35 g. II with 32 g. I gave 73% (CH₂)₂C(OH)CMe(OH)C₂CC(OH)(CH₃)₂, m. 93-4°, b.p. 168-70°. Heating the products with K₂CO₃ resulted in cleavage to C₂H₂ and the corresponding carbonyl compds. Also in *J. Gen. Chem. U.S.S.R.* 25, 1063-7 (1955) (Engl. translation).
 G. M. Kosolobov

5.3400

78255

SOV/79-30-3-9/69

AUTHORS:

Nikitin, V. I., Savranskaya, S. D., Timofeyeva, I. M.

TITLE:

Tertiary Triatomic Acetylenic Alcohols and Their Transformations. XVIII. Oxidation of Acetylenic and Ethylenic Glycerols With Potassium Permanganate

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 764-770 (USSR)

ABSTRACT:

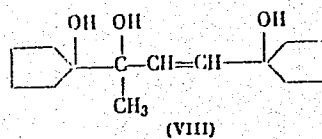
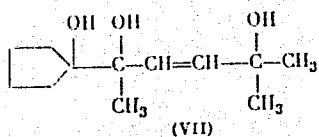
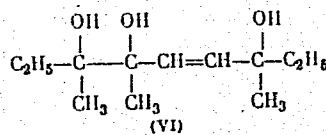
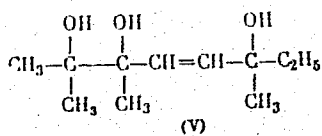
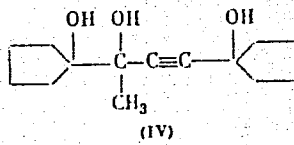
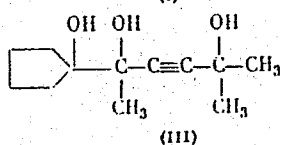
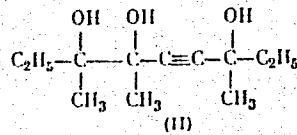
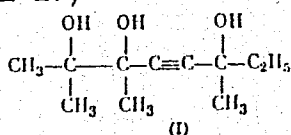
The authors reported previously (this journal, 1953, Vol 23, p 1330; *ibid.*, 1956, Vol 26, p 2175) that the oxidation of ethylenic glycerols with $KMnO_4$ involves chiefly the cleavage of single bonds adjoining the multiple bond and that comparatively large amounts of oxalic acid are formed in this reaction. On oxidation of acetylenic glycerols, however, the cleavage occurs at the triple bond and is accompanied chiefly by the formation of hydroxy acids. The above was investigated in detail in the oxidation with $KMnO_4$ of four acetylenic

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Tertiary Triatomic Acetylenic Alcohols
and Their Transformations. XVIII.

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(I-IV) and four ethylenic glycerols (V-VIII).



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Tertiary Triatomic Acetylenic Alcohols
and Their Transformations. XVIII.

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The results confirmed the above-mentioned course of the reactions which gave, in the first instance, oxalic acid in preponderant yield, and in the second instance, preponderant amounts of α -hydroxy acids. There is 1 table; and 6 Soviet references.

ASSOCIATION: Chemical Institute, Academy of Sciences Tadzhik SSR (Institut khimii Akademii nauk Tadzhikskoy SSR)

SUBMITTED: March 2, 1959

Card 3/3

SAVRANSKAYA, S.D.; ASKAROV, M.A.; AZIZKHANOV, T. Kh.

Polymerization of acrylonitrile in the presence of organomagnesium
catalysts. Khim. i fiz.-khim. prirod. i sint. polim. no.1:183-188
'62 (MIRA 18:1)

41369

S/081/62/000/018/057/059
B168/B186

5.4600

AUTHORS: Askarov, M. A., Savranskaya, S. D., Trubitsyna, S. N.

TITLE: Radiative polymerization of akrylonitrile in solid form, suspension and emulsion

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 18, 1962, 612, abstract 18R63 (In collection: Vopr. ispol'zovaniya mineral'n. i rastit. syr'ya Sredn. Azii. Tashkent, AN UzSSR, 1961, 118 - 122) ✓

TEXT: Polymerization of acrylonitrile under the action of γ -radiation of Co^{60} with doses of $(5-25) \cdot 10^4$ r is more rapid in an emulsion stabilized with polyvinyl alcohol and also in an aqueous solution (accompanied by formation of a suspension of the polymer) than in mass polymerization with these doses the rate of mass polymerization in a medium of N_2 is higher than in air, and the polymer is insoluble in dimethylformamide whereas soluble polymers form in air. [Abstracter's note: Complete translation.]

Card 1/1

ASKAROV, M.A.; SAVRANSKAYA, S.D.

Study of radical polymerization of acrylonitrile in the presence of silvan. Uzb.khim.zhur. 6 no.2:47-50 '62.

(MIRA 15:7)

1. Institut khimii polimerov, AN UzSSR.
(Acrylonitrile) (Radicals (Chemistry)) (Furan)

ACCESSION NR: AT4020697

S/0000/63/000/000/0020/0025

AUTHOR: Savranskaya, S. D.; Trubitsy*na, S. N.; Askarov, M. A.

TITLE: Polymerization of acrylonitrile in the presence of furan derivatives

SOURCE: Karbotsepn*ye vy*sokomolekulyarny*ye soyedineniya (Carbon-chain macromolecular compounds); sbornik statey. Moscow, Isd-vo AN SSSR, 1963, 20-25

TOPIC TAGS: acrylonitrile, acrylonitrile polymer, radiation polymerization, furan, furfural, furfuryl alcohol, sylvan, polymerization

ABSTRACT: In view of the possible importance of acrylonitrile copolymers in the manufacture of synthetic fibers, the radical polymerization of acrylonitrile in aqueous medium in the presence of ammonium persulfate and furan derivatives such as furfural, furfuryl alcohol and sylvan was investigated and the inhibitory effect of furans on the polymerization process was demonstrated. Furfural was a stronger inhibitor than furfuryl alcohol and sylvan. Similar results were obtained when the radiation-induced polymerization of acrylonitrile was carried out in a nitrogen or air atmosphere in the presence of furan derivatives under the influence of γ -rays from Co-60 (27-45 r/sec.). The experimental conditions and data are given and some of the other factors affecting radiation polymerization are discussed. Orig. art. has: 2 formulas and 2 tables.

Card 1/2

ACCESSION NR: AT4020697

ASSOCIATION: Institut khimii polimerov AN UzSSR (Institute of Polymer Chemistry,
AN UzSSR)

SUBMITTED: 02Apr62

DATE ACQ: 20Mar64

ENCL: 00

SUB CODE: OC

NO REF SOV: 007

OTHER: 001

Card 2/2

ACC NR: AP7003782

SOURCE CODE: UR/0291/66/000/006/0025/0027

AUTHOR: Savranskaya, S. D.; Kravtsova, L. V.; Askarov, M. A.

ORG: NIIKhTTs

TITLE: Copolymerization of acrylonitrile and n-butyl methacrylate under the influence of organomagnesium catalysts

SOURCE: Uzbekskiy khimicheskiy zhurnal, no. 6, 1966, 25-27

TOPIC TAGS: acrylonitrile, copolymerisation, methacrylate, Grignard reagent

ABSTRACT: In order to determine the influence of the nature of the solvent on the properties of an acrylonitrile - n-butyl methacrylate copolymer, the copolymerization was carried out at different temperatures with different monomer ratios in ethyl ether and toluene in the presence of the catalyst n-butylmagnesium bromide (0.4 mole of catalyst per mole of acrylonitrile was used). The specific viscosities of the products showed the presence of low-molecular substances. A decrease in reaction temperature raised the specific viscosity of the copolymer, this being characteristic of an anionic mechanism of polymerization of the monomers. Since the Grignard reagents constitute a complex equilibrium mixture and because of the presence of $(MgX)^+$, $(RMg)^+$ or $(Mg)^{++}$ ions, the initiation of the copolymerization may involve a stage of formation of intermediate complexes; in this case, the nature of the solvent and the conditions of the reaction medium play a considerable part in the initiation process. Orig. art.

Card 1/2

ACC NR: AP7003782

has: 1 figure and 1 table.

SUB CODE: 07/ SUBM DATE: 24Jun65/ ORIG REF: 001/ OTH REF: 005

Card 2/2

BORISOVA, P.S.; POPOVA, N.M.; SAVRANSKAYA, T.M.

Designing a sewage-purification plant in Moscow. Gor.khoz.Mosk.
36 no.1:41-44 Ja '62. (MIRA 16:1)
(Moscow--Sewage--Purification)

SAVRANSKIY, Ananiy Yefimovich, inzh.; UCHVATOV, Pavel Gavrilovich, inzh.;
LOPATIN, S.I., dots., otv. red.; BYKHOVSKAYA, S.N., red. izd-va;
SABITOV, A., tekhn. red.

[Track management in underground transportation] Putevoe khoziasitvo
podzemnogo transporta. Moskva, Ugletekhizdat, 1958. 229 p.

(MIRA 11:12)

(Mine railroads)

MYASNIKOV, Vitaliy Fedorovich; SAVRANSKIY, B.T., red.; YEMEL'YANOV,
Yu.N., red. izd-va; BELOGURCVA, I.A., tekhn. red.

[Work practices in the production of technical motion
pictures at enterprises and in organizations] Opyt sozdaniia
tekhnicheskikh kinofil'mov na predpriiatiakh v organiza-
tsiakh. Leningrad, 1962. 14 p. (MIRA 15:11)
(Motion-picture photography)

ЛИНЕТСКИЙ, Я. Я.; САВРАНСКИЙ, Д. Я.; ЛЮДСКОВ, Б. П., редактор; РОСЛОВ, Г. И.,
технический редактор

[Collection of problems in planning and analyzing the economy of
commercial organizations and enterprises] Sbornik zadaniy po
planirovaniu i analizu khoziaistvennoi deiatel'nosti torgovykh
organizatsii i predpriatii, Moskva, Gos.izd-vo torgovoi lit-ry,
1955. 146 p.

(MIRA 9:1)

(Commerce)

LINETSKIY, Yefim Yakovlevich; SAVRANSKIY, David Yakovlevich; LYUDSKOV, B.P.,
red.; MEDRISH, D.M., tekhn. red.

[Analysis of economic activities of commercial enterprises and
organizations] Analiz khoziaistvennoi deiatel'nosti torgovykh
predpriatii i organizatsii. Moskva, Gos. izd-vo torg. lit-ry,
1958. 239 p. (MIRA 11:9)

(Russia--Commerce--Accounting)

LINETSKIY, Yefim Yakovlevich; SAVRANSKIY, David Yakovlevich;
LYUDSKOV, B.I., red.; EL'KINA, E.M., tekhn.red.

[Collection of problems for practice work on the
economics of commerce] Sbornik zadaniy dlia prakti-
cheskikh zaniatii po ekonomike trgovli. Izd.2., dop.
i perer. Moskva, Gos.izd-vo torg.lit-ry, 1961. 231 p.

(MIRA 14:12)

(Distributive education)

SAVRANSKIY, K. Ye.

Rotor car dumper. Mashinostroitel' no.9:12 S '60.

(MIRA 13:9)

(Dumping appliances)

SAVRANSKIY, K.Ye., inzh.; MEZHERITSER, A.B., inzh.

Equipment for the cutting of scrap metal. Met. i gornorud.
prom. no.1:70-72 ~~Ja-F~~ '62. (MIRA 16:6)

1. Proyektno-konstruktorskiy tekhnologicheskiy institut
Dnepropetrovskogo soveta narodnogo khozyaystva.
(Scrap metals) (Metal cutting)

SAVRANSKIY, K.Ye.; MEZHERITSER, A.B.

Thirty-ton pouring ladle with tilting mechanism. Lit. proizv.
no.8:16-17 Ag '62. (MIRA 15:11)
(Foundries--Equipment and supplies)

SAVRANSKIY, K. Ye.

Rotary, triple-bearing, dumping device. Met. i gornorud. prom. no. 3:
80-81 My-Je '63. (MIRA 17:1)

1. Proyektno-konstruktorskiy tekhnologicheskii institut Pridneprovskogo
soveta narodnogo khozyaystva.

SAVRANSKIY, K.Ye.; MEZHERITSER, A.B.

Arrangement for the tilting of 85-100-ton capacity dumpcars.
TSvet.met. 36 no.2:88-91 F '63. (MIRA 16:2)
(Dumping appliances)

PILIPENKO, A.T.; SAVRANSKIY, L.I.

Niobium and tantalum acetylacetonatothiocyanide complexes.
Zhur. neorg. khim. 10 no.2:437-440 F '65. (MIRA 18:11)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko.
Submitted April 21, 1964.

MONTVID, A.E.; SAVRANSKIY, T.A., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor

[Multi-chamber condensers in the production of alumina] Mnogokamernye sgustiteli v proizvodstve glinozema. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1952. 55 p. [Microfilm] (MLRA 7:10)
(Ore dressing) (Alumina)

BARCHUKOV, A.I., PROKHOROV, A.M., SAVRANSKIY, V.V.

"Ammonia maser with disk resonator."

Report submitted to the Third Intl. Conference on Quantum Electronics,
Paris, France 11-15 Feb 1963

BARCHUKOV, A.I.; PROKHOROV, A.M.; SAVRANSKIY, V.V.

Ammonia maser with disc resonator. Radiotekh. i elektron. 8
no.3:438-439 Mr '63. (MIRA 16:3)

(Masers)

BARCHUKOV, A.I.; PROKHOROV, A.M.; SAVRANSKIY, V.V.

Biharmonic operating mode of an ammonia molecule beam maser.
Radiotekh. i elektron. 8 no.9:1641-1642 S '63. (MIRA 16:9)
(Masers)

KUZNETSOVA, Lidiya Sergeyevna; MIKHLIN, Ye.I., redaktor; SAVRASKIN, A.G.,
redaktor; FEDOROV, S.S., tekhnicheskiy redaktor.

[Strike campaign of the Petersburg proletariat in 1905] Stachechnaia
ber'ba peterburgskogo proletariata v 1905 godu. Leningrad, Leningrad-
skoe gazetno-zhurnal'nee i knizhnoe izdatel'stvo, 1955. 126 p.
(Leningrad--Revelution of 1905) (MLRA 9:5)

SAVRASKIN, A.G., redaktor; FEDOROV, S.S., tekhnicheskii redaktor;

[In the struggle for technical progress; from the work practice of party organisations in Leningrad enterprises] V bor'be za tekhnicheskii progress; iz opyta raboty partiinykh organizatsii predpriatii Leningrada. Leningrad. Leningradskoe gazetno-shurnal'noe i kn-vo, 1956. 357 p. (MIRA 9:6)

(Efficiency, Industrial)

LESTK, N.G.; BLACHOV, P.M.; SAVINSKY, A.A.; GALKIN, A.N.; MISHIN, A.V.

VG-1 deep rotor for sand jet perforators. Mash. i natf.
obor. no.11:12-16 '65. (MIR: 12:12)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut
i Gosudarstvennyy komitet neftedobyvayushchey promyshlennosti
pri Gosplane SSSR.

SAVRASOV A.S

USSR / Farm Animals. Wild Animals.

Q-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45266

Author : Chetyrkin, V. A.; Savrasov, A. S.

Inst : Not given

Title : The Determination of Pregnancy in Silver-Black Foxes.

Orig Pub : Karakulevodstvo i zverovodstvo, 1956, No. 6, 47-48.

Abstract : At the Biysk fur sovkhov a control check of pregnancy of the silver-black foxes (coupled in January and February) is currently practiced. This is effected by means of palpation of the abdominal region 24-26 days after coupling the animals. The method permits to cull barren females and inadequate males and to utilize their pelts.

Card 1/1

ADASKINA, Vera Ivanovna, nauchnyy sotr.; VASSEL', Ivan Pavlovich,
nauchnyy sotr.; RIOR, El'za Matveyevna, nauchnyy sotr.;
SHASKOL'SKIY, I.P., kand. ist. nauk, red.; SAVRASKIN, A.G.,
red.; SIMONOV, S.N., tekhn.red.

[Vyborg and its environs; concise guidebook]Vyborg i ego ok-
restnosti; kratkii putevoditel'. Pod red. I.P.Shaskol'skogo.
Leningrad, Gidrometeoizdat, 1961. 162 p. (MIRA 15:11)

1. Gosudarstvennyy arkhiv Leningradskoy oblasti v gorode Vyborge
(for Adaskina, Vassel').

(Vyborg region--Guidebooks)

USSE/Farm Animals - Fur Animals

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69374

Author : Savrasov, A.S.

Inst :

Title : Experience in the Prevention of Losses of Wild
Animals from Fur-Chewing

Orig Pub : Karakalevodstvo i zverovodstvo, 1957, No 4, 51-52

Abstract : N abstract.

Card 1/1

LYUBASHENKO, S.Ya., prof.; MALYAVIN, A.G., kand. veter. nauk; ROMIN, A.V.,
kand. veter. nauk; TYUL'PANOV, N.B., kand. veter. nauk; AGANINA,
L.A., mladshiy nauchnyy sotrudnik; KAZEYEV, R.V., mladshiy nauchnyy
sotrudnik; SAVRASOV, A.S., veterinarnyy vrach [deceased]

Effectiveness of a polyvalent formolthiomersan vaccine against
paratyphoid fever and colibacillosis. Veterinariia 41 no.1:25-
28 Ju '64. (MIRA 17:3)

GERMAN, N.Ye., inzh.; SAVRASOV, A.V., inzh.; ZARUBIN, A.G., inzh., red.;
STUPIN, A.K., red.; UVAROVA, A.F., tekhn.red.

[Catalog of spare parts for the ZIL-157 three-axle motortruck and
the ZIL-157V saddle-type tractor] Katalog zapasnykh chastei
trekhnogo avtomobilia ZIL-157 i sedel'nogo tiagacha ZIL-157V.
Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 333 p.
(MIRA 13:3)

1. Moskovskiy avtomobil'nyy zavod.
(Motortrucks--Catalogs) (Tractors--Catalogs)

GERMAN, N.Ye.inzh.; SAVRASOV, A.V.; ZARUBIN, A.G., inzh., red.;
ARTYUKHIN, V.A., red. izd-va; UVAROVA, A.F., tekhn. red.

[Catalog of parts for the ZIL-164A motortruck, ZIL-MMZ-585L and ZIL-MMZ-585M dump trucks, ZIL-164AR tractor, ZIL-157K three-axle motortruck and ZIL-MMZ-164AN and ZIL-157KV saddle tractors] Katalogdetalei dvukhosnogo avtomobilia ZIL-164A, avtomobilei-samosvalov ZIL-MMZ-585L i ZIL-MMZ-585M, avtomobilija-tiagacha ZIL-164AR, trekhnosnogo avtomobilia ZIL-157K i sedel'nykh tiagachei ZIL-MMZ-164AN i ZIL-157KV. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroito. lit-ry, 1961. 486 p. (MIRA 15:1)

1. Moskovskiy avtomobil'nyy zavod.
(Motortrucks--Catalogs) (Dump trucks--Catalogs)

S/169/63/000/002/110/127
D263/D307

AUTHOR: Savrasov, D. I.

TITLE: Some information concerning the effectiveness of magnetic prospecting methods in the search for diamond deposits

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 29, abstract 2D177 (Geologiya i geofizika, 1962, no. 8, 96-103)

TEXT: The author discusses the theoretical grounds of the probability of finding kimberlite pipes by magnetic surveys on various scales. Results are given of laboratory measurements of the magnetic properties of kimberlites in certain regions of western Yakutiya, and of effective magnetization of kimberlite pipes. It is shown that a characteristic peculiarity of anomalies over kimberlite pipes is the approximate coincidence of the contours of the anomaly with the boundaries of the kimberlite pipes. It is therefore possible to identify the anomaly diameters over kimberlite pipes with the

Card 1/2

Some information concerning ...

S/169/63/000/002/110/127
D263/D307

diameters of the pipes themselves. Single weakly magnetic pipes constitute an exception; for these increased magnetic field ($> 30\gamma$) marks out only the central parts of bodies. Another exception are strongly magnetic pipes in which, owing to an unusual distribution of magnetic minerals, the pole of the magnetized body is found considerably below its rim. It is noted that the above method of preliminary assessment of the possibilities of magnetic surveying in searches for anomalies over kimberlite bodies may be used to estimate the probability of discovering any isometric anomalies (for this it is necessary to compute the corresponding nomograms) in dependence on the form of geological objects, e.g. spheres, ellipsoids of revolution, etc. [Abstracter's note: Complete translation.]

Card 2/2

SAVRASOV, D.I.

Some information on the physical properties of kimberlites.
Geol. i geofiz. no. 12:79-86 '62. (MIRA 16'3)

1. Amakinskaya ekspeditsiya Yakutskogo geologicheskogo upravleniya.
(Yakutia—Kimberlite)

SAVRASOV, D.I.

Evaluation of probability in the location of anomalies by
geophysical surveying. Geol. i geofiz. no.4:134-136 '65.
(MIRA 18:8)

1. Amakinskaya ekspeditsiya Yakutskogo geologicheskogo
upravleniya, poselok Nyurba.

SAVRASOV, D.I.; ILUPIN, I.P.

Use of magnetic prospecting for mapping various types of kimberlites
in the pipes of complex structure. Geol. i geofiz. no.8:96-
100 '63. (MIRA 16:10)

1. Amakinskaya ekspeditsiya Yakutskogo geologicheskogo upravleniya
pos. Nyurba.

(Yakutia--Kimberlite)

(Yakutia--Magnetic prospecting)

SAVRASOV, D.I.

Use of the paleomagnetic method for determining the age of
kimberlites and trap rocks. Trudy IAFAN AN SSSR Ser. geol.
no.9:162-171 '63. (MIRA 16:12)

SAVRASOV, L.K.

New method for fastening the steel cable to the band wheel of the
KAM-500 rig. Razved.i okh.nedr 21 no.1:55-56 Ja-F '55.

(MLRA 9:12)

(Boring machinery)

14(5)

SOV/132-59-2-9/16

AUTHOR:

Savrasov, L.K.

TITLE:

Field Tests on the Vibration Drilling Installation
VUL-2 of the LENGIPROTRANS (Polevyye ispytaniya vi-
broustanovki LENGIPROTRANS A VUL-2)

PERIODICAL:

Razvedka i okhrana nedr, 1959, ²Nr 2, pp 47-48 (USSR)

ABSTRACT:

The author describes the results of drilling tests made in 1957 with a vibration drilling installation VUL-2, devised by the LENGIPROTRANS. The rig is mounted on a GAZ-63 autobus, has a VPM-1 vibrator and an alternate current generator SG-25/6 with n = 1000 rotations per minute. The analysis of its operation showed that drilling itself occupied 21.1% of the working time. The rest was occupied by erection-dismantling and other operations. Many parts of the rig were inadequate and needed further adjustment. After the changes, the rig could be recommended for drilling prospecting

Card 1/2

SOV/132-59-2-9/16

14(5)

Field Tests on the Vibration Drilling Installation VUL-2 of the
LENGIPROTRANS

bore holes, 8 - 12 m deep, in rocks of the first four
categories of hardness. The mechanical drilling speed
varied from 0.475 to 0.860 m a minute. There is 1 dia-
gram.

ASSOCIATION: (VITR)

Card 2/2

KHANUKAYEV, A.N.; SAVRASOV, L.K.

Elastic constants of rocks and methods for their determination.
Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 3 no.3:95-102 '61.
(MIRA 15:3)

(Rocks--Testing) (Ultrasonic testing)

TARANOV, Petr Yakovlevic.. KHANUKAYEV, A.N., prof., retsenzent;
BUBOK, V.K., retsenzent; BOROVNIKOV, V.A., retsenzent;
KARFUNOV, Ye.G., retsenzent; MISNIK, Yu.M., retsenzent;
SMIRNOV, N.A., retsenzent; RAZAMAT, V.V., retsenzent;
SAVRASOV, L.M., retsenzent; YURMANOV, Yu.A., retsenzent;
BABICHEV, N.S., retsenzent

[Blasting operations] Burovzryvnye raboty. Izd.2. Mo-
skva, Nedra, 1964. 253 p. (MIRA 18:7)

VERESHCHAGIN, V.N., *otv.red.*; KRASNYY, L.I., *otv.red.*; VLASOV, G.M., *red.*;
ZOLOTOV, M.G., *red.*; ZHAMOYDA, A.I., *red.*; KIPARISOVA, L.D., *red.*;
MODZALEVSKAYA, *red.*; ONIKHIMOVSKIY, V.V., *red.*; SAVRASOV, N.P.,
CHEMEKOV, Yu.F.; SKVORTSOV, V.P., *red.*; AVEKHIYEVA, T.A., *tekhn.red.*

[Resolutions of the Interdepartmental Conference on the Elaboration of
Standard Stratigraphic Systems for the Far East] Reshenia soveshchaniia
Mozhvedomstvennogo soveshchaniia po razrabotke unifitsirovannykh stra-
tigraficheskikh skhem dlia Dal'nego Vostoka. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po geol. i okhrane neдр, 1958. 51 p. (MIRA 12:3)

1. Mezhdomstvennoye soveshchaniye po razrabotke unifitsirovannykh
stratigraficheskikh skhem dlia Dal'nego Vostoka, Khabarovsk, 1956.
2. Predsedatel' Orgkomiteta Mezhdomstvennogo soveshchaniya po raz-
rabotke unifitsirovannykh stratigraficheskikh skhem dlia Dal'nego
Vostoka (for Krasnyy). (Soviet Far East--Geology, Stratigraphic)

SAVRASOV, N.V., elektromekhanik

Network for the automatic switching over of the electric power supply
of signal lights. Avtom., telem. i sviaz' 5 no.12:27 D '61.
(MIRA 14:12)

1. Elektricheskaya tsentralizatsiya stantsii Syzran' I Kuybyshevskoy
dorogi.

(Railroads--Signaling)

SAVRASOV, S. I.

Assistance given to industry by technical institutes. Avtom., telem.
i sviaz'. 4 no.5:32 My '60. (MIRA 13:8)

1. Prepodavatel' Kiyevskogo elektromekhanicheskogo tekhnikuma
im. N.Ostrovskogo.
(Railroads)

SAVRASOV, Vladimir Kuz'mich; KUTAKOV, Boris Georgiyevich;
GLADKOV, V.A., red.; SYCHEVA, V.A., tekhn. red.

[Working with a trawl on BMRT's (large refrigerator fishing trawlers)] Rabota s tralom na BMRT; iz opyta peredovyykh ekipazhei. Murmansk, Murmanskoe knizhnoe izd-vo, 1962. 66 p. (MIRA 16:6)
(Trawls and trawling) (Refrigerator ships)

SAVRASOV, V. N.

Savrasov, V. N. "Methods and organization of laboratory
exercisis on general electrical engineering in technicums."
Academy of Pedagogical Sciences RSFSR. Sci Res Inst of
Teaching Methods. Moscow, 1956. (Dissertation for the
Degree of Candidate in Pedagogical Science)

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

SAVRASOV, Viktor Nikolayevich, kand.pedagogicheskikh nauk, ispolnyayushchiy obyazannosti kotsent

Study of oscillations in a two-stage ferreresonant network.
Izv. vys. ucheb. zav.; elektromekh. 6 no.8:899-906 '63.

(MIRA 16:9)

1. Kafedra fiziki Barnaul'skogo pedagogicheskogo instituta.

L 40776-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(t)/ETI/EWP(k) IJF(c) EW/WW/EW/JD

ACC NR: AP6018613

SOURCE CODE: UR/0420/55/000/004/0116/0117

AUTHOR: Savrasov, V. V. 44
E

ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: Field of velocities for some cases of axisymmetric deformation of tubular stock

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 4, 1965, 116-117 ¹⁸TOPIC TAGS: shell theory, cylindric shell, metal deformation, deformation rate

ABSTRACT: The author considers the process of axisymmetric deformation of a tubular workpiece under the effect of an internally applied load to determine the velocity of the particles of deformed metal as a basis for describing the state of the material at any moment during the deformation process. The equation of continuity is given for plastic flow of the metal during deformation assuming that the material is incompressible. An expression is derived from this equation for the radial velocity field in terms of an arbitrary function with respect to the vertical coordinate. Boundary conditions are used for determining this function. It is found that the radial velocity of the metal particles varies hyperbolically as a function of the radial coordinate if there is no axial displacement. The change in radial velocity as a function of the vertical coordinate is determined by distortion of the cylindrical generatrix during deformation. Orig. art. has: 1 figure, 9 formulas.

SUB CODE: 13/ 20/ SUBM DATE: none/ ORIG REF: 002

Card 1/1 *MLT*

ACC NR: AP6018614

SOURCE CODE: UR/0420/65/000/004/0118/0122

AUTHOR: Savrasov, V. V.

ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: Some characteristics of the process of pipe expansion in a tube plate

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 4, 1965, 118-120

TOPIC TAGS: pipe, steam boiler, hermetic seal

ABSTRACT: Formulas are given for calculating the tightness between a pipe and tube plate after expansion. It is assumed that the pipe and the plate are incompressible throughout the entire deformation range and may be treated as ideally plastic bodies. Axial displacement of the pipe and tube plate during expansion are disregarded, and plate deformation does not pass the elastic limit. An approximate formula is derived for the outside radius of the pipe in the permanently deformed state. It is shown that joint tightness depends on the mechanical properties of the pipe material, deformation of the tube plate, pipe thickness and the initial radial clearance between the pipe and the tube plate. Tightness increases with pipe thickness, pipe deformation and the Young modulus of the pipe material. Tightness is also higher for pipe materials with a low elastic limit and for small clearances between pipe and tube plate. Orig. art. has: 3 figures, 23 formulas.

SUB CODE: 20, 13/ SUBM DATE: none

Card 1/1 MLP

ACC NR: AP6035902

(A)

SOURCE CODE: 00000000

INVENTOR: Vasil'yev, Yu. N.; Koregin, V. I.; Savrasov, Yu. A.; Urlov, A. Ya.; Plotnikov, V. A.

ORG: none

TITLE: Stand for testing tractors. Class 42, No. 187371 [announced by the Chelyabinsk Branch of the State Union Scientific-Research Tractor Institute (Chelyabinskiy filial gosudarstvennogo soyuznogo nauchno-issledovatel'skogo traktornogo instituta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no 20, 1966, 142

TOPIC TAGS: tracked vehicle, tractor, tractor maintenance, tractor test stand, test stand, test method

ABSTRACT" An Author Certificate has been issued for a stand for testing tractors, which includes a frame, braking units, rails, a wheeled carriage with supports, and tension members. In order to decrease carriage vibration and noise during the tractor tests, the axles of the carriage wheels, which are mounted in stirrups, are articulately fastened to the frame; at the other end they are connected by a nut which interacts with the supporting screw. In a variant, on the lower part of the carriage frame are mounted female guide rails and fixing brackets with clamping

screws. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 29Oct65/
Card 1/1

UDC: 629.114.2: 620.178: 0051

Savrasov, Yu. P.

137-58-5-9456

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 92 (USSR)

AUTHORS: Mitrenin, B. P., Lalykin, S. P., Savrasov, Yu. P.,
Radaykin, L. K.

TITLE: Employment of Floating-zone Refining to Produce Single
Crystals of Silicon (Primeneniye bestigel'noy zonnoy plavki
dlya polucheniya monokristallov kremniya)

PERIODICAL: V sb.: Vopr. metallurgii i fiz. poluprovodnikov. Moscow, AN
SSSR, 1957, pp 35-40

ABSTRACT: The melts were made in an apparatus consisting of a vertical quartz tube (d=22 mm) in which a Si bar was placed vertically on two pins rotating at 1 to 50 rpm. The inductor (d=25 mm, height 4-6 mm) creating the zone was fed from a 5-kv generator working at 4 mc. The rate of motion of the bar relative to the inductor was 0.5-10 cm/hr. A vacuum of the order of $1-10^{-5}$ mm Hg was created in the quartz tube. The specimen was heated to 700°C by current passing through it. Elongated bars 15-20 cm long and 10-13 mm in cross section, and specimens of Si iodide in the form of tubes 8-16 mm in diameter, filled with pieces of Si, were used for the melts. The quartz tube was replaced after 3 to 5

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137-58-5-9456

Employment of Floating-zone (cont)

passes due to the growth within it of a film that screened the field. When an asbestos cylinder ~ 5 cm long was mounted on the tube for purposes of heat insulation in the vicinity of the inductor, checking and crumbling of the film diminished. The course of the melt was followed visually after the first pass and thereafter by instruments. Single crystals were obtained from the superheated zone after 4 to 7 passes when the rate of motion of the zone was 3-6 cm/hr. The employment of single-crystal seeding and rotation of the specimen facilitates production of single crystals. It was established that 6 to 8 passes of the zone make it possible to purify acid-washed Si until it is spectrally pure for 60-80% of the total length of the specimen, but the resistivity of the specimen rises little as this occurs, viz., from 0.05 to 0.08 ohm/cm. Floating zone refining of a specimen of Si with introduction of Ta¹⁸² into the final zone makes it possible to purify the specimen of Ta to 10^{-5} - $10^{-8}\%$ after 1 to 7 passes of the zone. The Ta is concentrated in the final portion of the bar. The concentration of Fe⁵⁹ after the first pass drops to $10^{-4}\%$, and the Fe is concentrated in the final zone. Si iodide yielded single crystals that were chiefly of the p type and had a resistivity of 15-40 ohm/cm.

1. Single crystals--Growth
2. Single crystals--Resistivity
3. Silicon iodide--Applications
4. Tantalum isotopes (Radioactive)--Applications
5. Iron isotopes (Radioactive)--Applications

Yu. Sh.

Card 2/2

SAVRASOVA, G., inzh.

Advice for handling equipment. Obshchestv. pit. no.7:29
Jl '61. (MIRA 14:8)

(Kitchen utensils)

SAVRATSKIY, YU D

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Kak ya obsluzhivayu mekhanicheskuyu tsentralizatsiyu i poluavtomaticheskuyu blókirovky (How I Maintain the Mechanical Centralisation and Semi-Automatic Blocking System) Moskva, Trnaszheldorizdat, 1952.

3pp.

At head of title: Stakhanovskaya shkola zheleznodorozhinka.

SOV/137-59-1-505

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 65 (USSR)

AUTHOR: Savrayev, V. P.

TITLE: Testing a Foam-type Dust Collector With Dusts of the Ust' - Kamenogorsk Lead-zinc Kombinat (Ispytaniye pennogo pyleulovitelya na pylyakh Ust' - Kamenogorskogo svintsovo-tsinkovogo kombinata)

PERIODICAL: Sb. materialov po pyleulavlivaniyu v tsvetn. metallurgii. Moscow, Metallurgizdat, 1957, pp 343-351

ABSTRACT: An examination of the results of testing of the foam-type dust collector (FD) in the recovery of Pb dusts and ZnO. An FD consisting of a rectangular chamber (cross section of the operating part 0.16 m²) with three consecutively placed screens was used in the experiments. Gas was fed into the FD through the lowest grid by a 2000 m³/hour ventilator. Efficiency of recovery of Pb dusts (in sintering and smelting shops) was 48.1 - 81.6%, with an initial dust content of 1.33 - 4.28 g/nm³ of gas delivered, a 1.14 - 3.4 m/sec gas velocity in the FD, and a consumption of water of 0.67 - 2.47 liters/nm³ of gas delivered. The hydraulic resistance of the FD amounted on the average to 200 mm water column. A great amount of spray droplets

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