

Sapozhkov, I. A.

U.S. / Potassium permanganate as a growth stimulator. I. A. Sapozhkov. *Priroda* 45, No. 2, 93-4(1958). ~~KMnO₄~~ treatment of fruit trees attacked by root rot was repeated during 5-8 days, causing reappearance of leaves. Growth of healthy trees could also be stimulated by KMnO₄ treatment in the first half of summer; 0.25-0.5 g / 10 l. water were used. Formation of roots in water cultures and subsequent growth and fertility was greatly stimulated by cultivation of black-currant or gooseberry shoots in KMnO₄ soils. Irrigation of vegetables (tomatoes, cabbage, etc.) with 0.25 g. KMnO₄ per 10 l. water exerted favorable effects.

I. M. Hais

SAPOZHKOVA, I.A. (Pos.Zagoryanskaya, Moskovskaya oblast')

Plant more cherry orchards in the Moscow area. Priroda 46 no.3:103
Mr '57. (MIRA 10:3)

(Moscow Province--Cherry)

SAPOZHKOVA I. A.

Country : USSR
Category: Cultivated Plants. Fruit. Berries.

M

Abs Jour: RZhBiol., No 11, 1958, No 49105

Author : Sapozhkov, I. A.
Inst : -
Title : Annual Fruit Bearing of Apple Trees

Orig Pub: Priroda, 1957, No 4, 91-92

Abstract: This article describes a method of pruning fruit trees according to the type of thinning. In training the crowns, all superfluous boughs and branches are lopped off, but the shoots of the extension are not cut back. The result is a lateral overgrowth of the boughs and branches with short twigs with the beginnings of fruit buds on them. Pruning according to the thinning pattern speeded up the fruit bearing of the apple trees. -- M.N. Myzdrikova

Card

SAPOZHKOVA, I I

AUTHOR: Sapozhkov, I.A. 26-58-6-33/56

TITLE: On the Longevity of Orchards in the Suburbs of Moscow
(O dolgovechnosti plodovykh sadov v podmoskov'ye)

PERIODICAL: Priroda, 1958, Nr 6, p 107-108 (USSR)

ABSTRACT: Although the life of a fruit tree normally is from 60 to 80 years, at the present time fruit trees perish from frost and decay within 20 to 25 years. This is especially the case in the suburbs of Moscow. The author concludes that unsatisfactory cultivation methods and inferior wildings account for this short life. He points out that the young apple trees are mostly imported from the southern USSR and cannot stand the rough climate. He suggests that fruit trees be raised from locally obtained seeds in soil similar to that of the orchards where they will grow and to cultivate only selected varieties.

Card 1/1

1. Fruit trees-Life expectancy

30(1)
AUTHORS:

SOV/26-59-2-49/53
Kuz'menkov, P.N. (Chaus'skiy Rayon, Mogilev Oblast);
Sapozhkov, I.A. (Zagoryanskaya, Moscow Oblast)

TITLE:

Is This Fruiting Continuous (Bespreryvnoye li eto plodonosheniye?)

PERIODICAL:

Priroda, 1959, Nr 2, pp 123-124 (USSR)

ABSTRACT:

A reader's question on continuous fruiting in apple trees he had replanted and on the possible exhaustion of the trees concerned is answered and explained. Autumn flowering and fruiting was stimulated by the damage the root system had suffered during the replanting action. Since the tree tops had not been adjusted to the new extent of the root system, the situation was aggravated, because the correct root system - tree top ratio was disturbed. This disturbed ratio results in little to no accretion and small fruits. In conclusion, several apple tree species are mentioned which are considered to be of special value to Soviet fruit tree growers, among them trees that bear fruit up to 3 times within a growing season. It is pointed out that true continuous fruiting is

Card 1/2

~~SAPZHKOY I.P.~~

Amur efficiency innovators. Put' i put.khoz. no.6:30-31 Je '57.
(MIRA 10:7)

1. Nachal'nik otдела mekhanizatsii slushby puti, g. Svobodnyy.
(Amur Province--Railroads--Maintenance and repair)

KAZAKOV, Vyacheslav Anttipovich; ~~SMOLOV~~, V.B., doktor tekhn. nauk
prof., retsenzent; ~~SAPOZHKOVA~~, K.A., kand. tekhn. nauk,
retsenzent; SANNIKOV, K.A., kand. tekhn. nauk retsenzent

[Calculating devices of analog computers] Vychislitel'nye
ustroistva mashin nepreryvnogo deistviia. Moskva, Mashinostroenie, 1965. 427 p. (MIRA 18:12)

SAPOZHKOVA, K.A., kand. tekhn. nauk, dotsent

Problems of terminology and classification in computer engineering
systems. Izv. LETI no.47:181-194 '62. (MIRA 16:12)

AM4037984

BOOK EXPLOITATION

S/

Smolov, Vladimir Borisovich; Lebedev, Andrey Nikolayevich; Sapozhkov, Konstantin Andreyevich; Dubinin, Yakov Ivanovich; Smirnov, Nikolay Anisimovich; Bodunov, Vasilii Pavlovich; Ugryumov, Evgeniy Pavlovich; Yatsenko, Vladimir Pavlovich

Analog computers (Vy*chislitel'ny*ye mashiny* neprery*vnogo deystviya), Moscow, "Vy*sshaya shkola", 1964, 552 p. illus., biblio. 23,000 copies printed. Textbook for university students.

TOPIC TAGS: analog computer, automation, computer engineering

TABLE OF CONTENTS [abridged]:

- Introduction -- 5
- Ch. I. Summing calculating assemblies -- 21
- Ch. II. Specialized functional transformers -- 52
- Ch. III. Universal functional transformers -- 74
- Ch. IV. Integrating and differentiating assemblies -- 166
- Ch. V. Multiplication and division assemblies -- 261
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AM1037984

- Ch. VII. Mathematic models for solving ordinary differential equations -- 382
- Ch. VIII. Mathematic models for solving transcendental equations -- 435
- Ch. IX. Mathematic models for solving algebraic equations -- 462
- Ch. X. Group analog computers -- 477
- Ch. XI. Basic problems of design of calculating instruments -- 496

SUB CODE: DP, MA

SUBMITTED: 26Oct63

NR REF SOV: 004

OTHER: 000

DATE ACQ: 07May64

Card 2/2

BODUNOV, V.P., prepod.; DUBININ, Ya.I., prepod.; LEBEDEV, A.N., prepod.; MARKOV, V.G., prepod.; SAPOZHKOVA, K.A., prepod.; SMIRNOV, N.A., prepod.; SMOLOV, V.B., prepod.; UGRYUMOV, Ye.P., prepod.; YATSENKO, V.P., prepod.; BURLAK, M., red.

[Laboratory work on a course in "Electronic analog computers"] Laboratornye raboty po kursu "Vychislitel'nye mashiny nepreryvnogo deistviia." Moskva, Vysshaya shkola, 1965. 211 p. (MIRA 18:5)

1. Kafedra vychislitel'noy tekhniki Leningradskogo elektrotekhnicheskogo instituta im. V.I.Ul'yanova (for all except Burlak).

SAPOZHKOV, M. A.

Mbr. Leningrad Inst. Engr. Communications in. M. A. Bonch-Bruевич, -1941-. Mbr., Sci. Res. Inst. Communications Ground Forces, -1946-. "One of the Methods of Weakening the Lateral Leaves of the Direction Characteristics," Zhur. Tekh. Fiz., 14, Nos. 10-12, 1944; "On the Radiation Resistance of Some Types of Radiators," ibid.; "Some Notes on Frequency Characteristics Evaluation," ibid., 16, No. 12, 1946.

W. E.

621,306,813
On the Assassination of Vladimir Lenin—M. A.
Sapozhkov. (Zh. sssr. Fiz., Oct. 1947, Vol. 17, No. 10,
pp. 1187-1194. In Russian.)

1948

SAPOZHKOV, M. A.

"Procedures for Measuring the Parameters and Characteristics of Telephones, Microphones, and Loringophones," a report read at the conference of the Acoustics Commission, AS USSR held in Leningrad 1-3 Feb 51.

W-21610, 25 Feb 52

IOFE, V. K.; SAPOZHKOVA, M. A.

Speech

Problem of the methodology of computing comprehensibility of speech, Trudy Kom. op. akust, No. 6, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

SAPOZHKOV, M.A.

Problems in the measurement techniques for electroacoustic
parameters and characteristics of electroacoustic apparatus.
Trudy Kon. po akust. 8:17-20 '55. (MLRA 8:8)
(Electroacoustics)

3 SAPOZHKOVA, M.A.

GARNOVSKIY, Nikolay Nikolayevich; SAPOZHKOVA, M.A., otvetstvennyy redaktor;
LUZHETSKIY, N.N., redaktor; LEDNEVA, N.V., tekhnicheskiiy redaktor.

[Theoretical bases of electric wire communication] Teoreticheskie
osnovy elektroprovodnoi svyazi. Moskva, Gos. izd-vo lit-ry po
voprosam svyazi i radio. Part. 1. [General theory of passive linear
circuits with lumped constants] Obshchaya teoriya passivnykh linei-
nykh tsepei s sosredotochennymi postoiannymi. 1956. 691 p.
(MLRA 10:6)

(Electric circuits)

USSR / *SAPozHKOV, M.A.* Radiophysics. Statistical Phenomena in Radiophysics. I-2

Abs Jour : Ref Zhur - Fizika, No 5, 1957, No 12441

Author : Sapozhkov, M.A.

Inst : Not given

Title : Correlation Method of Measuring the Coefficient of Distortion of Transmission.

Orig Pub : Akust. zh., 1956, 2, No 3, 279-284

Abstract : A method is proposed for measuring the generalized coefficient of distortion and noise under real conditions of operation of channels, based on the use of the coefficient of correlation between the output and input signals. Expressions are derived for the coefficient of correlation in the presence of noise and linear or nonlinear distortion. A block diagram is given for a device that measures the correlation coefficient.

Card : 1/1

6(4,7)

PHASE I BOOK EXPLOITATION

SOV/2848

Sapozhkov, Mikhail Andreyevich

Zashchita traktov radio i provodnoy telefonnoy svyazi ot pomekh i shumov (Protection of Radio and Wire Telephone Communication From Interferences and Noises) Moscow, Svyaz'izdat, 1959. 253 p. Errata slip inserted. 5,000 copies printed.

Resp. Ed.: I. M. Polkovskiy; Ed.: L. V. Kokosov; Tech. Ed.: K. G. Markoch.

PURPOSE: The book is intended for students of higher communications schools, and for engineers and scientific personnel specializing in radio and in wire telephony.

COVERAGE: The author states that problems of protecting radio channels and wire telephone circuits from interference and noise are insufficiently treated in the technical literature and that most of this information is found in separate publications. This book is an attempt to summarize this information, supple-

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Protection of Radio (Cont.)

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mented with information from lesser known sources, service publications, and the author's own works. For problems treated only briefly, the author indicates sources in which the given problem is discussed in more detail. The book consists of six chapters, two of which present noise theory, three discuss methods of channel protection and effects of nonlinear distortions on channel noise immunity. The last chapter describes methods of protecting communication channels from noise and possible ways of improving their noise immunity. The author thanks I. M. Polkovskiy, Yu. K. Moiseyer, A. D. Tkachenko and A. K. Belovsov, Candidates of Technical Sciences, and O. I. Repina, A. K. Lidikh, L. F. Rudnev, A. D. Arkhipova and V. P. Afanas'yev, Scientific workers for their help. There are 104 references: 75 Soviet (including 3 translations) 19 English, 9 German, 1 French.

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2. Channels of telephone wire communication	221
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Bibliography

AVAILABLE: Library of Congress

JP/mmh
1-18-60

Card 5/5

SOV/46-5-2-14/34

AUTHOR: Sapozhkov, M.A., (Mytishchi)

TITLE: On a Certain Property of the Intelligibility of Formants
(Ob odnoy osobennosti razborchivosti formant)

PERIODICAL: Akusticheskiy zhurnal, 1959, Vol 5, Nr 2, pp 212-214
(USSR)

ABSTRACT: Intelligibility of speech is the criterion of its being understood. There are at least five methods of defining intelligibility of formants, and the author suggests that the of perception of formants, which is the probability in the U.S.A.) is the most reliable criterion. It is shown that the intelligibility of formants is directly proportional to the product of the mean dynamic range of speech at the input of a channel and the frequency range transmitted by the channel, as well as being inversely proportional to the time necessary for complete understanding of transmitted speech. There are 1 figure, 1 table and 5 references, of which 4 are Soviet and 1 English.

Card 1/2

SOV/46-5-2-14/34

On a Certain Property of the Intelligibility of Formants

SUBMITTED: June 5, 1958

Card 2/2

DREYZEN, Iosif Grigor'yevich; SAPOZHKOVA, M.A., doktor tekhn. nauk, otv. red.; PETROVA, V.Ye., red.; SHEFER, G.I., tekhn. red.

[Electroacoustics and sound broadcasting] Elektroakustika i zvukovoe veshchanie. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1961. 543 p. (MIRA 15:2)
(Electroacoustics) (Radio)

SAPOZHKOV, Mikhail Andreyevich; GRIGOR'YEV, V.I., otv. red.; VOLKOVA,
E.M., red.; SHEPER, G.I., tekhn. red.

[Speech signal in cybernetics and communication; speech conversion applicable to problems in telecommunication engineering and cybernetics] Rechevoi signal v kibernetike i sviasi; preobrazovanie rechi primenitel'no k zadacham tekhniki sviasi i kibernetiki. Moskva, Sviaz'izdat, 1963. 449 p. (MIRA 16:5)
(Information theory) (Cybernetics)

SAPOZHKOVA, N.M., inzhener.

Calculation and design of press-fitted high-speed composite rotating
wheels. [Trudy] MVTU no.26:22-37 '53. (MLRA 7:5)
(Disks, Rotating)

SAPOZHKOV, N.M.

KOGAN-VOL'MAN, Georgiy Izrailevich, kand.tekhn.nauk; CHERNYSHEV, N.A.,
kand.tekhn.nauk, retsenzent; ZAVARTSEV, A.M., inzh., retsenzent;
SAPOZHKOV, N.M., inzh., red.; STUPIN, A.K., red.izdatel'stva;
MODEL', B.I., tekhn.red.

[Flexible wire shafts] Gibkie provolochnye valy. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 246 p. (MIRA 11:1)
(Shafts and shafting)

Содержание

24(0); 25(2) PHASE I BOOK EXPLOITATION SOV/2037
 Moscow, Vysshye tekhnicheskoye uchilishche imeni M.E. Bauman
 Mashiny na probnost' v mashinostroyenii; [obornik] Design for
 Strength in Mechanical Engineering; Collection of Articles)
 Moscow, Mashiz, 1958. 244 p. (Series: Ita: Trudy) 89
 3,300 copies printed.

Ed.: G.A. Nikolayev, Doctor of Technical Sciences, Professor,
 Honored Worker in Science and Technology; Ed. of Publishing House:
 M.P. Chernysheva; Tech. Ed.: E.I. Medel; Managing Ed. for
 Literature on Heavy Machine Building (Mashiz): S.Ya. Golovin,
 Engineer.

PURPOSE: This collection of articles is intended for engineering staffs
 in the machine-building industry and may be useful to scientific
 workers and senior students of mechanical engineering vtuses.

COVERAGE: The articles cover the graphoanalytical method of
 designing circular asymmetrically loaded reinforced plates,
 method of designing rotating heated disks for transverse bending,
 and calculation of preloaded Belleville springs. Also discussed
 are different types of deformation of rubber-cord shells
 of rotation, the question of deformation of rubber-cord shells
 stability problems of elastic sleeve of rubber-cord hose, and
 experimental investigations of structural stability of
 constructional steels and other materials under pressure. Several
 articles are devoted to problems of vibrations in machines.
 There are 78 references; 71 Soviet, 4 German, 2 English, and
 1 French.

Alutov, M.A., Candidate of Technical Sciences; V. P. Sokolov,
 Engineer. Determining the Lower Critical Pressure for an Elastic
 Cylindrical Shell and Behavior of the Shell Following Buckling
 Solution of the problem is claimed to be new and simple.
 Examples of design are presented. A comparison is made with
 results obtained by methods of other authors. 95

Lapin, A.A., Candidate of Technical Sciences, Docent. Investi-
 gation of the Equilibrium of Rubber-cord Cylindrical Shells
 This article presents the results of work done in 1950 with
 V.L. Biderman at the Nauchno-issledovatskiy Institut
 shimnyy promyshlennosti (Scientific Research Institute
 for the Tire Industry). The possible forms of elastic
 equilibrium of a rubber-cord flexible hose under internal
 pressure are analyzed. 111

Biderman, V.L., Candidate of Technical Sciences, Differential
 Equations for Deformation of Rubber-cord Shells of Rotation
 The article investigates general cases of deformation in
 rubber hoses, tires, shock absorbers, etc., subjected to
 internal pressure. A method is presented for analyzing a
 cylindrical longitudinally fastened shell under arbitrary
 periodic loading. 119

Sapozhnikov, M.M., Engineer. Investigation of Optimum Dimensional
 Properties of Castings
 The author finds conditions for most rational configuration
 of T, I, and I cross sections for castings or weldments
 designed for bending. 147

Litbaryev, I.K., Candidate of Technical Sciences, Docent.
 Comparison of Characteristics of Materials Under Uniaxial
 Tension and Compression
 The article is based on experimental data obtained at the
 Department of "Strength of Materials" at MGU, Moscow
 Higher Technical School imeni N.Ye. Bauman. The author
 points out the necessity of establishing a method for complete
 testing of materials in tension and compression in order to
 correct some not too well-founded views on the characteristics
 of materials. Many stress-strain diagrams and tables showing
 the mechanical properties of several materials are included. 168

YERDAKOV, Vadim Ivanovich, inzh.; MININ, Leonid Sergeyevich, inzh.;
TIKHOMIROV, Ye.N., prof., retsenzent; DARKOV, A.V., doktor
tekh. nauk, retsenzent; SAPOZHKOVA, N.M., inzh., nauchnyy
red.; KOPTEVSKIY, D.Ya., red. izd-va; YEZHOVA, L.L., tekh.
red.

[Laboratory practical work on the strength of materials] La-
boratornyi praktikum po soprotivleniiu materialov dlia studentov
zaachnykh vtuzov. Moskva, Gos. izd-vo "Vysshaya shkola," 1961.
188 p. (MIRA 15:4)
(Strength of materials--Testing) (Testing machines)

ITSKOVICH, Georgiy Mikhaylovich; VINOKUROV, Anatoliy Ivanovich. Pri-
nimali uchastiye: SUDAKOVA, N.I.; GAVRILOV, Yu.V.; MAKUSHIN, V.M.,
laureat Leninskoy premii, prof., retsenzent; LYZHENKOV, A.A.,
inzh., retsenzent; SAPOZHKOV, N.M., nauchnyy red.; SHAURAK, Ye.N.,
red.; KOROVENKO, Yu.N., tekhn. red.

[Collected problems on the strength of materials] Sbornik zadach
po soprotivleniiu materialov. Leningrad, Sudpromgiz, 283 p.

(MIRA 15:6)

(Strength of materials—Problems, exercises, etc.)

SAPOZHKOVA, N.M., inzh.

Stress analysis of a beam subjected to oblique lateral bending.
Vest.mashinostr. 43 no.1:60-65 Ja '63. (MIRA 1b:2)
(Beams and girders)

SAPOZHKOVA, P.I. [deceased]

Cancer of the large intestine; clinical study. Trudy 1-MMI 16:
163-175 '62. (MIR.. 17:4)

1. Iz kafedry obshchey i gosptal'noy khirurgii sanitarno-gigiye-
nicheskogo fakul'teta (zav. - prof. A.N.Velikoretskiy) I Moskovskogo
ordena Lenina meditsinskogo instituta imeni Sechenova.

SAPOZHKOVA, S. V.

"Data Concerning the Immunological Reactivity Change in Animal Organisms
Due to the Effects of Academician V. P. Filatov's Biogenic Stimulators." Cand
Vet Sci, Kirov Agricultural Inst, Kirov, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (12)

SO: SUM. No. 556, 24 Jun 55

SAPOZHKOVA, S.V. [Sapazhkov, S.V.], kand.veterin.nauk

Mechanism of the action of biogenic stimulants. Vestsi AN BSSR.
Ser. biial. nav. no. 4:80-84 '60. (MIRA 14:1)
(Tissue extracts) (Stomach--Innervation)

BERENSHTEYN, F.Ya. [Beranshteyn, F.IA.]; SAPOZHNIKOV, S.V. [Sapashkou, S.V.]

Materials on the effect of strontium and beryllium salts on the
blood pressure in animals. Vestsi AN BSSR. Ser. biol. nav. no.4:
74-78 '64. (MIRA 18:12)

BERENSHTEYN, F.Ya.; SAPOZHKOVA, S.V.; KHOLOD, V.M.

Effect of molybdenum on the change in the sensitivity of the organism to adrenaline and insulin. Nauch. dokl. vys. shkoly; biol. nauki no.1:70-73 '66. (MIRA 19:1)

1. Rekomendovana kafedrami biokhimi i fiziologii zhivotnykh Vitbskogo veterinarnogo instituta. Submitted July 3, 1964.

SAPOZHKOVA, V. P.

Chair of Epidemiology, First Kiev Medical Inst., (-1944-).

"Contribution to the active immunization against diphtheria"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 6, 1944.

GERSHGORN, M.A.; SVIRIDENKO, F.F.; KAZARNOVSKIY, D.S.; KRAVTSOVA, I.P.;
POPOVA, A.M.; FRADINA, M.G.; Primali uchastiye: IUKASHOV, G.G.;
RUDOL'SKIY, N.L.; SLEPKANEV, N.P.; PLISKANOVSKIY, S.T.; GORBANEV,
Ya.S.; BUL'SKIY, M.T. [deceased]; ARKHANGEL'SKIY, Yu.N.; SHAROV,
B.A.; VISTOROVSKIY, N.T.; RAKHANSKIY, B.I.; SAPOZHKOVA, V.Ye.;
RYABININ, N.G.; KARAKULINA, R.R.; FADEYEVA, A.M.; ZVEREV, D.A.

Improving the production of high-strength rails by alloying
them with granulated ferrochromium in the ladle. Stal' 25
no.5:408-411 My '65. (MIRA 18:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i zavod
"Azovstal'".

S/191/60/000/004/013/015
B016/B058

AUTHORS: Danyushevskaya, T. D., Sapozhkov, Yu. I.
TITLE: Experience Gathered in Casting Polyamide Products
PERIODICAL: Plasticheskiye massy, 1960, No. 4, pp. 67-68

TEXT: The authors report on their study of the heat treatment of polyamide products for the purpose of eliminating internal stresses and preventing further shrinkage. These stresses develop in the hardened plastic due to irregular cooling in a non-preheated mold. They lead to a reduction of the indices of the material. The dimensions vary with time owing to relaxation. For the elimination of stresses, the authors recommend a stabilizing treatment of the products, especially if they are to be used at temperatures above 70°C. Their studies at the Nauchno-issledovatel'skiy institut plastmass (Scientific Research Institute of Plastics) with the resins AK-70 (AK-70) (анид), AK-7 (AK-7), AK-8 (AK-8), and "68", from which workpieces were cast, showed that the structure of the plastic is altered by heat treatment. The content of the amorphous phase is reduced, and the material tends to crystallization. As the treated specimens have

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Experience Gathered in Casting Polyamide Products

S/191/60/000/004/013/015
B016/B058

a greater hardness on the edges, their wear resistance is higher. The structure of polyamides can change without visible phase transitions. The molecular structure is thereby reinforced, and the intermolecular bonds are strengthened (Refs. 3-5). A long heating is recommended if the heat treatment is intended to stabilize the shape of the finished products. The heat resistance of the workpieces increases, and they do not shrink any more when heated up to 100°C. Such a heat treatment is to be conducted at 150°C in an inert medium. There are 3 figures and 5 references: 3 Soviet and 2 US. ✓

Card 2/2

VOL'FSON, L.G.; MEL'NIKOV, N.N.; PLATE, A.F.; SAPOZHKOV, Yu.N.; TAYTS, G.S.

Interaction of hexachlorocyclopentadiene with certain unsaturated
compounds. Dokl. AN SSSR 105 no. 6: 1252-1255 D '55. (MLRA 9:4)

1. Nauchnyy institut po udobreniyam i insektofungitsidam imeni Ya.V. Samoylova i Institut organicheskoy khimii imeni N.D. Zelinskogo Akademii nauk SSSR. Predstavlene akademikom B.A. Kasanskim.
(Cyclopentadiene) (Compounds, Unsaturated)

MEL'NIKOV, N.N.; VOL'FSON, L.G.; KUZNETSOVA, K.V.; SAPOZHKOVA, Yu.N.;
GAR, K.A.; GRANIN, Ye.F.; FARBER, M.S.

Insecticides based on hexachlorocyclopentadiene. [Trudy] NIUIF
no.164:8-11 '59. (MIRA 15:5)

(Cyclopentadiene)

ШАПОЗНИКОВ, Ю. И.

5.3000
77532
SOV/80-33-1-41/49

AUTHORS: Volodkovich, S. D.; Vol'raon, L. G.; Kogan; L. M.
Mel'nikov, N. S. Шапозников, Ю. И.

TITLE: Concerning the Preparation of Insecticide "Heptachlor"

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 1, pp 227-233 (USSR)

ABSTRACT: "Heptachlor" or 1,4,5,6,7,8-heptachloro-4,7-endothio-1-ene-3a,4,7,8-tetrahydroindan has the following properties: white crystals with campher odor, dissolves well in organic solvents.



Card 1/3
Hexachlorocyclopentadiene was condensed with cyclopentadiene and 4,5,6,7,8-hexachloro-3a,4,7,8-

tetrahydro-4,7-endothioindan (chloridan) was formed. The latter was chlorinated and the insecticide obtained (yields are not given). Heptachlor content in the reaction mixture is increased to 70% by chlorination for 30 to 120 minutes. The optimal conditions for the formation of chloridan in CCl₄ are 10% excess of C₂H₄ at 80-85°, duration 30-40 minutes. For the chlorination of chloridan, the following conditions are recommended: the presence of activated (at 120°, for 1-2 hours) Kieselguhr and a temperature not over 12°. Heptachlor content is about 70%. The yield of heptachlor is determined by the total amount of introduced chlorine and with respect to the rate of chlorination; there are 6 figures; and 29 references. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 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991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Card 2/3

2741640; ibid. 2741639; ibid. 2741641; H. Bluestone, R. E. Liddov, J. R. Kraus, P. W. Evertson, ibid., 2576866.

ASSOCIATION: Research Institute of Fertilizers and Pesticides (Nauchnyy Institut po udobreniyam i insettsitsidam)

SUBMITTED: June 3, 1959

Card 3/3

VOLODKOVICH, S.D.; VOL'FSON, L.G.; KOGAN, L.M.; MEL'NIKOV, N.N.;
SAPOZHKOVA, Yu.N.

Preparation of heptachlor insecticide. Zhur.prikl.khim. 33
no.1:227-233 Ja '60. (MIRA 13:5)

1. Nauchnyy institut po undobreniyam i insektofungitsidam.
(Heptachlor)

SHVETSOVA- SHILOVSKAYA, K.D.; MEL'NIKOV, N.N.; ANDREYEVA, Ye.I.;
BOCHAROVA, L.P.; SAPOZHKOVA, Yu.N.

Organic insectofungicides. Part 57: Synthesis, insecticidal
and fungicidal properties of certain arsenic organic compounds.
Zhur. ob. khim. 31 no.3:845-849 Mr '61. (MIRA 14:3)

1. Nauchnyy institut po udobreniyam i insektofungitsidam imeni
Ya. V. Samoylova.

(Arsenic organic compounds)
(Insecticides)(Fungicides)

ACC NR: AP6033077

SOURCE CODE: UR/0032/66/032/010/1264/1265

AUTHOR: Zraychenko, V. A.; Zaymovskiy, V. A.; Sapozhkova, I.; Marko, I.

ORG: Moscow Steel and Alloys Institute (Moskovskiy institut stali i splavov);
Siberian Metallurgical Institute im. S. Ordzhonikidze (Sibirskiy metallurgicheskiy
institut)TITLE: Tensile test of thermomechanically strengthened steel with the use of high-
speed motion pictures

SOURCE: Zavodskaya laboratoriya, v. 32, no. 10, 1966, 1264-1265

TOPIC TAGS: tensile stress, thermomechanical property, high speed photography,
steel, thermomechanical treatment, ~~steel~~ tensile test / 50KhFA steel

ABSTRACT: A high-speed motion-picture technic was used recording stresses and deformation in tensile tests on thermomechanically strengthened steel. 50KhFA steel specimens, 4 mm in diameter, were subjected to low or high temperature thermomechanical treatment and then to tensile tests. A clock-type indicator made it possible to determine the elongation with an accuracy of up to 0.005 mm. The process of tensile testing and indicator reading were filmed with a movie camera at a speed of 32 frame/sec.; the process of necking and local plastic deformation in time were filmed with a speed from 200 to 1600 frame/sec. On the basis of the obtained data, the curves of load dependence of elongation and reduction of area and kinetic curves of necking were plotted. Orig. art. has: 2 figures.

SUB CODE: // /SUBM DATE: none

Card 1/1

UDC: 620.172:778.534.8

SAPOZHKOVA, K.A., meditsinskaya sestra; ANUFRIYEVA, N.A., meditsinskaya sestra

Tuberculosis meningitis. Role of the medical nurse in the treatment
of tuberculosis meningitis. Med. sestra 19 no.9:29-34 S '60.

(MIRA 13:9)

(MENINGES--TUBERCULOSIS)

(NURSES AND NURSING)

SAPOZHKOVA, L.
DOGADKIN, B.; DOBROMYSLOVA, A.; SAPOZHKOVA, L. [deceased]
TUMORSKIY, I.

The effect of mercaptobenzothiazole on the structural changes
in rubber during oxidation, heat treatment, and plastication
[with summary in English]. Koll.zhur. 19 no.4:421-429 J1-Ag '57.
(MIRA 10:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im.
M.V. Lomonosova.

(Benzothiazole) (Rubber)

KOZHEVNIKOVA, N.Ye.; SAPOZHKOVA, N.D.

Diisonitrosoacetone. Metod.poluch.khim.reak.i prepar. no.4/5:
42-44 '62. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv.

SAPOZHKOVA, V. A. Cand Med Sci -- (diss) "Trichomoniasis of ^{pregnant} ~~postpartum~~ and ^{parturient} ~~pregnant~~ women." Tomsk, 1956. 13 pp 20 cm. (Tomsk State Med Inst im V. M. Molotov, Chair of Obstetrics and Gynecology), 200 copies. (KL, 15-57, 107)

SAPOZHKOVA, V.A., aspirant.

Trichomoniasis in pregnancy [with summary in English]. Akush. i gin.
33 no.2:53-57 Mr-Apr '57. (MIRA 10:6)

1. Iz kafedry akusherstva i ginekologii (sav. - prof. B.S.Poysner)
Tomskogo meditsinskogo instituta imeni V.M.Molotova.
(VAGINITIS TRICHOMONAS in pregn.
dissemination & statist.)
(PREGNANCY, compl.
vaginitis trichomonas)

SAPOZHKOVA, V.A., aspirant

Acidity of vaginal secretion in pregnant women with trichomonas vaginitis trichomoniasis [with summary in English]. Akush. i gin. 33 no.4:58-60 JI-Ag '57. (MIRA 10:11)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. B.S.Poysner) i biologicheskoy khimii (zav. - prof. L.D.Kahsevník) Tomskogo gosudarstvennogo meditsinskogo instituta imeni V.M.Molotova.

(PREGNANCY, compl.

trichomonas vaginitis, determ. of acidity of vaginal secretions)

(VAGINITIS, TRICHOMONAS, in pregn.

determ. of acidity of vaginal secretions)

(VAGINA

acidity of secretions, determ. i trichomonas vaginitis in pregn.)

САРДЕНІНКА, А. А.

Meteorological Abst.
Vol. 4 No. 2
Feb. 1953
Bibliography on
Turbulent Exchange

4B-191 551.551 551.584
 Sardonnikov, A. A. Nekotorye vyvody iz statsionarnykh nabludenii v prizemnom sloe vozdukha nad skorost'iu vetra i temperaturoi vozdukha. [Some conclusions from stationary observations on the wind velocity and air temperature in the layer near the ground.] *U.S.S.R. Glavnoe Upravlenie Gidrometeorologicheskoi Sluzhby, Trudy Nauchno-issledovatel'skikh Uchrezhdenii, Ser. 1, Meteorologiya, No. 25, Fizika Prizemnogo Sloia Atmosfery, p. 68-86, 1947. 9 figs., 5 tables, 3 refs. DLC.*
 Special observations at noon and midnight were made daily for a year by the Central Geophysical Observatory in 10 different zones of the U.S.S.R. in 1943 (wind velocity up to 7 m and temperature differences 20-150 cm). Description of the locations of observation points are given and the accuracy of measurements is analyzed. It is concluded that characteristics of air temperature and wind velocity variations depend on the state of surface cover, weather conditions, radiation, and on the climatic zone. Subject Headings: 1. Microclimatology 2. Air temperatures 3. Wind profiles 4. U.S.S.R.—N.T.Z.

EU
6-11-54

SAPCOZHNIKOV, A. A.

SAPCOZHNIKOV, A. A., ZAMORSKIY, A. D., FINDEYZEN, V., and SHUL'TS, G., "Experimental Study of the Formation of Ice Particles in the Atmosphere," No 1, pp 96-97. (Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

~~SAPOZHNIKOV, A.A.~~

Special features in the processing of observational data on wind
and precipitation at mountain stations. Trudy GGO no. 43:17-24 '54.
(Winds) (Precipitation (Meteorology)) (MIRA 11:5)

SAPOZHNIKOV, A.A.

Observations on rime, hoarfrost, and glazed frost at high-altitude
stations. Trudy GOO no.75:82-91 '57. (MIRA 11:3)
(Frost)

STERNZAT, Moisey Semenovich; SAPOZHNIKOV, Aleksandr Arkad'yevich. Prinimali uchastiye: YANISHEVSKIY, Yu.D.; RUSIN, N.P.; PIVOVAROVA, Z.I.. KAROL', B.P., otv.red.; YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.I., tekhn.red.; FLAUM, M.Ya., tekhn.red.

[Meteorological instruments, observations, and processing of data]
Meteorologicheskie pribory, nabliudeniia i ikh obrabotka. Lenin-grad, Gidrometeor.izd-vo, 1959. 519 p. (MIRA 13:1)
(Meteorology--Observations)

3(7)

AUTHORS:

Sapozhnikov, A. A., Sapozhnikova, S. A. SOV/50-59-7-19/20

TITLE:

On the Activity of the Working Group of the World
Meteorological Organization of Microclimatology (O deyatel'-
nosti rabochey gruppy VMO po mikroklimatologii)

PERIODICAL:

Meteorologiya i gidrologiya, 1959, Nr 7, pp 58 - 59 (USSR)

ABSTRACT:

This is a short report on the activity of the working group
of microclimatology. It was established in January 1957. The
USSR is represented in this group by Professor S.A.Sapozhnikova.

Card 1/1

SAPOZHNIKOV, A. B.

Sapozhnikov, A. B. "On accounting for the non-linearity of the magnetization curve in problem of magnetic defectoscopy," Trudy Sib. Fiz.-tekh. in-ta, Issue 26, 1948, p. 183-88,- Bibliog: 6 items

SO: U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

SAPOZHNIKOV, A. B.

Byuler, G. A., Sapozhnikov, A. B. and Putkov, B. M. "The investigation of the distribution of the potential along a strip with transverse internal fissure, arround which a direct current is flowing," Trudy Sib. fiz,-tekh. in-ta, Issue 26, 1948, p. 195-200

SO: U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

SAPOZHNIKOV, A. B.

Sapozhnikov, A. B. and Vasil'Kovshiy. N. F. "The investigation of the possibilities of appearance of surface layers in the simplest bimetallic bodies," Trudy Sib. Fiz.-tekhn. in-ta, Issue 26, 1948, p. 201-08, - Bibliog: 5 items

SO: U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

SAPOZHNIKOV, A. B.

Bordyugova, P. V. Byuler, G. A. and Sapozhnikov. A. B. "The magnetic skin-effect in s shaft of rectangular cross-section," Trudy Sib. fiz.-tekh. in-ta, Issue 26, 1948, P. 209-11

SO: U5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

LUGOVOY, V.S.; SAPOZHNIKOV, A.B.

Method of computing energy consumption and schedule plotting
of the load of local electric power systems. Trudy Sekt.vod.
khoz. KirFAN SSSR no.3:61-86 '51. (MLRA 8:1)
(Electric power distribution)

LUGOVOY, V.S.; BOL'SHAKOV, M.N.; SAPOZHENIKOV, A.B.

Characteristics of local power systems in piedmont districts of
Kirghizistan. Trudy Inst.vod.khoz.i energ.AN Kir.SSR no.1:41-80 '54.
(MLBA 9:11)

(Kirghizistan--Hydroelectric power)
(Kirghizistan--Rivers)

8(0)

SOV/112-59-2-2325

Translation from: Referativnyy zhurnal.. Elektrotehnika, 1959, Nr 2, p 6 (USSR)

AUTHOR: Sapozhnikov, A. B., and Ryzhinskiy, S. B.

TITLE: Materials for Current-Type Flaw Detection
(Materialy po tokovoy defektoskopii)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii posv. 40-letiyu Velikoy
Oktyabr'skoy sots. revolutsii. Nr 2, Tomsk, Tomskiy un-t, 1957, p 112

ABSTRACT: Methods of approximate calculations are offered which permit numerically evaluating distortion of the electric field of a current traversing a cylinder; the cylinder has a small defect symmetrical with respect to the cylinder axis; the field on the cylinder surface is determined. Electrolytic-model calculations and experimental data are presented.

V. Ye. B.

Card 1/1

BELIKOV, B.I.; SAPOZHNIKOV, A.B.

Effect of the frequency of the magnetizing field on the shape
of the dynamic magnetic loop for a plate. *Izv.vys.ucheb.zav.*;
fiz. no.5:94-100 '61. (MIRA 14:10)

1. Barnaul'skiy pedagogicheskiy institut i Sibirskiy fiziko-tekhnicheskii institut pri Tomskom gosudarstvennom universitete imeni V.V.Kuybysheva.
(Hysteresis) (Magnetic fields)

SAFOZHNIKOV, A.B.; BOBROVA, M.N.

On magnetic shielding. Izv. vys. ucheb. zav; fiz. no.1:3-7 '63.
(MIRA 16:5)

1. Sibirskiy fiziko-tekhnicheskii institut pri Tomskom
gosudarstvennom universitete imeni V.V.Kuybysheva.
(Magnetic induction)

KONONKOV, B.F.; SAPOZHNIKOV, A.B.

Eddy currents in a thin-walled nonmagnetic rectangular tube moving relative to the inner magnetic poles. Izv. vys. ucheb. zav.; fiz. no.4:70-77 '63. (MIRA 16:9)

1. Sibirskiy fiziko-tekhnicheskii institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.
(Electric currents, Eddy)

KONONKOV, B.F.; SAPOZHNIKOV, A.B.

Eddy currents in a nonmagnetic rectangular tube moving relative to external linear magnetic poles. Izv. vys. ucheb. zav.; fiz. no.6:145-149 '63. (MIRA 17:2)

1. Sibirskiy fiziko-tekhnicheskoy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

L. 11039-66 EWT(d)/EWT(1)/EWP(c)/EWP(v)/T/EWP(k)/EWP(1)/EWA(h)/ETC(m) MW

ACC NR: AR6000414

SOURCE CODE: UR/0271/65/000/009/A054/A054

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 9A412

AUTHOR: Sapozhnikov, A. B.; Semenov, V. S.

TITLE: Using oscillators for purposes of flaw detection

CITED SOURCE: Dokl. Nauchno-tekhn. konferentsii, posvyashch. dnyu radio. Tomsk. Tomskiy un-t, 1964, 152-155

TOPIC TAGS: flaw detection, frequency flaw detection

TRANSLATION: Two examples of flaw detectors²⁵-oscillators intended for quality controlling metal products are cited. It has been believed that a drift in the oscillation frequency in the coil is an indicant of defect in metal. However, by means of two simple circuits differing only in the external coils into which the test piece is introduced, it is proven that a great caution should be used in detecting flaws on the frequency-drift basis (in some cases, no drift can be expected). Figs 2.

SUB CODE: 13, 09

MW
Card 1/1

UDC: 620.179.14

S/169/61/000/002/006/039
A005/A001

Translation from: Referativnyy zhurnal, Geofizika, 1961, No. 2, p. 1, # 2G1

AUTHOR: Sapozhnikov, A. B.

TITLE: The First Ionospheric Station-Laboratory in Siberia

PERIODICAL: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, 1959, No. 37,
pp. 16-22

TEXT: The author gives a historical synopsis of the development of works in Tomsk on the investigation of the propagation of radicwaves as well as the ionosphere, which begun in 1925 when the specialization for the profile of the "electromagnetic oscillations" at the Tomsk university was introduced. In 1933 at Tomsk, a signal was first observed at a fixed frequency that was reflected from the ionosphere. The start of regular ionospheric observations at Tomsk relates to May 30, 1936, 19 days before the solar eclipse on June, 19. The analysis of the observation materials of the Tomsk ionospheric station allowed several scientific conclusions and generalizations. A. I. Likhachev is one of the first investigators which detected the G-layer and studied it in detail. N. D. Bulatov and A. I.

Card 1/2

The First Ionospheric Station-Laboratory in Siberia

S/169/61/000/002/006/039
A005/A001

Likhachev developed and proposed a classification of the main forms of the altitude-frequency characteristics. N. D. Bulatov introduced the conception of the creation of a panoramic station (and put it into practice later on). The head of the ionospheric laboratory V. N. Kessenikh used in his monography "Pasprostraneniye radiovoln" (The propagation of radiowaves) (1952) a series of works of the team of the ionospheric station. Some of the works were performed by the scientific workers of the station: S. P. Tselishchev, V. P. Tselishchev, D. A. Ladygin, N. A. Korinevskaya, and M. P. Rudina. The laboratory is the base for the preparation of young specialists. The team of the Tomsk ionospheric station furthered the arrangement and development of the works in other ionospheric laboratories in Siberia. ✓

L. Shchepkin

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

Card 2/2

1. SAPOZHNIKOV, A. I., Eng.
2. USSR (600)
4. Electric Transformers
7. Reconstructing 110 Kv inlets. Elek. sta. 23 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

SHUPER, A.S., glavnyy inzhener; SAPOZHNIKOV, A.I., inzhener, glavnyy
tekhnolog; GRINBERG, Ya.M., inzhener, zamestitel' glavnogo
tekhnologa.

Serial manufacture of petroleum processing equipment and
steam boilers. Vest.mash. 35 no.6:35-41 Je '55.
(MIRA 8:9)

1. Proyekt Vsesoyuznogo proyektno-tehnologicheskogo instituta
Ministerstva tyazhelogo mashinostroyeniya (for Shuper). 2. Zavod
imeni Ordzhonikidze (for Sapozhnikov, Grinberg)
(Petroleum industry--Equipment and supplies)

ACC NR: AR6029292

SOURCE CODE: UR/0271/66/000/006/A023/A023

AUTHOR: Zaytsev, A. I.; Zhitkov, M. A.; Sapozhnikov, A. I.

TITLE: AC converter using pulse duration modulation.

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 6A177

REF SOURCE: Izv. Tomskogo politekhn. in-ta, v. 153, 1965, 29-35

TOPIC TAGS: frequency converter, signal generator, electric generator unit

ABSTRACT: The possibilities are investigated for obtaining sinusoidal voltages and currents in the frequency range from 0 to 200 cps at the output of a semiconductor frequency converter. The continuous sinusoidal signal is obtained by using time quantization in which the continuous signal is converted into a sequence of pulses whose duty cycle varies according to the input signal changes. The functional diagram of a single-phase frequency converter is given. A continuous reference sinusoidal signal is applied to the frequency converter from a starting generator. The schematic diagrams and descriptions of specific frequency converter circuits are given. The output current and voltage oscilloscope traces corresponding to the single-phase frequency converter driving a two-phase asynchronous motor are presented. The output voltage amplitude of this frequency converter may be varied by 50% while its quasisinusoidal shape is preserved. The output frequency and amplitude may also be regulated independently. [Translation of abstract] 6 illustrations and biblio-

Card 1/2

UDC: 62-52:621.314.26

ACC NR: AP6029292

graphy of 3 titles. T. R.

SUB CODE: -09

Card 2/2

VLASOV, Georgiy Dmitriyevich, prof., doktor tekhn.nauk; KULIKOV, Valentin Anatol'yevich, dotsent, kand.tekhn.nauk; RODIONOV, Sergey Vasil'yevich, dotsent, kand.tekhn.nauk. Primalni uchastiye: SOKOLOV, P.V., dotsent, kand.tekhn.nauk; SAPOZHNIKOV, A.K., inzh.; NEKHAMKIN, N.O., red.; VOLOKHONSKAYA, L.V., red.izd-va; KORNYUSHINA, A.S., tekhn.red.

[Technology of the woodworking industries] Tekhnologiya derevo-
obrabatyvaiushchikh proizvodstv. Moskva, Goslesbumizdat, 1960. 566 p.
(MIRA 13:9)

(Woodworking industries)

ACC NR: AP7004761 (A) SOURCE CODE: UR/0413/67/000/001/0059/0059

INVENTOR: Napadov, M. A.; Sapozhnikov, A. L.

ORG: None

TITLE: A method for making replaceable artificial teeth. Class 30, No. 189983

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 59

TOPIC TAGS: prosthetic device, dental equipment, plastic

ABSTRACT: This Author's Certificate introduces: 1. A method for making replaceable artificial teeth by taking impressions, preparing plastic bases with wax bite cylinders and then determining the height of the bite and the central occlusion. The functional properties and stabilization of the dentures are improved and the process of becoming accustomed to them is accelerated by replacing the wax cylinders on the bases with cylinders made from plastic, e. g. the "Orthokor" type. Functional formation of the occlusion plane and the external surface of the dentures is done directly in the oral cavity. Teeth conforming to the dimensions of the resultant cylinders are then set in the bases. 2. A modification of this method in which the plastic mass is held on the bases during functional formation of the occlusion plane and external surface of the dentures by fastening rods to the bases with sliding connection to a plate which is set after contact is made between the teeth.

SUB CODE: 36/ SUBM DATE: 04Jun65

Card 1/1

UDC: 616.314-089.29-633

BABICHENKO, N. I.; OKOPOV, M. S.; SAPOZHNIKOV, A.M.

Boots and Shoes - Trade and Manufacture

New Method of making and stitching stiff counters.
Leg. prom. 12, No. 4:43-44, April 1952.

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

BABICHENKO, N.I.; SAPOZHNIKOV, A.M.; OKOPOV, M.S.

Lug-stopper with shock absorber. Leg.prom. 14 no.8:25-26 Ag '54.
(Shoe machinery) (MLRA 7:8)

SAPOZHNIKOV, A.M.

BABICHENKO, N.I.; SAPOZHNIKOV, A.M.; OKOPOV, M.S.

Broaden the use of the new method of sewing in stiff counters.
Leg.prom. 14 no.12:51-52 D '54. (MIRA 8:2)
(Shoe industry)

SAPOZHNIKOV, A.P.; RIBBE, A.I.; PALKIN, A.P.; KISELEVA, N.P., inzh.,
red.; MEDVEDEVA, M.A., tekhn. red.

[Eliminating the failures of the TU2 diesel locomotive] Ustrane-
nie neispravnostei teplovoza TU2. Moskva, Transzheldorizdat,
1963. 118 p. (MIRA 16:7)
(Diesel locomotives--Maintenance and repair)

KHOTULEV, V.V.; SAPOZHNIKOV, A.S.

Experience in the manufacture of nonstandardized equipment in the
mechanical repair shops of enterprises. Der.prom. 10 no.9:32-34 S
'61. (MIRA 14:10)

1. Moskovskiy mebel'no-sborochnyy kombinat No.2.
(Moscow--Furniture industry--Equipment and supplies)

SAPOZHNIKOV, A.V.; YASENEVICH, V.Ye.

Using balloon-tire tractors in transportation. Trakt. i sel'khoz mash.
no.4:12-16 Ap '59. (MIRA 12:5)

L.Nauchno-issledovatel'skiy avtotraktornyy institut.
(Tractors)

SOV/47-59-3-31/53

22(1)

AUTHOR: Sapozhnikov A.V.

TITLE: Outside Reading in Physics

PERIODICAL: Fizika v shkole, 1959, pp 82-84 (USSR)

ABSTRACT: The author makes a number of recommendations on how to interest pupils in outside reading of physics literature. The teacher, for example, should refer to advertisements in journals, especially to such as stimulate the imagination. If the teacher is convinced that the pupils follow his advice, he will simply indicate the books suiting a special purpose. For the 10th class, when studying the theme "Basic Knowledge on Light", the author recommends the following books: M.A. Sidorov "Ot luchiny do elektrichestva" ("From the Splinter to Electricity"); L.A. Tumerman, "Svet i yego istochniki" (Light and its Sources); S.I. Vavilov, "Glaz i solntse" ("The Eye and the Sun").

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SOV/47-59-3-31/53

Outside Reading in Physics

Special attention should be given to posters recommending books, show cases exhibiting books on physics, and libraries at the physics workshops in schools.

ASSOCIATION: 12-ya srednyaya shkola, g. Shakhty (12th Secondary School, City of Shakhty)

Card 1/2

SAPOZHNIKOV, A.V.

Three instruments for the study of the stellar universe.
Politekh.obuch. no.9:44-45 S '59. (MIRA 12:12)

1. Srednyaya shkola no.12 g.Shakhty.
(Astronomical instruments)

SAPOZHNIKOV, A. V.

621.314.215.5 : 621.3.048

B64
d

3834. The insulation of dry-type transformers. Sapozhnikov, A. V. *Elektrotekhnika* (No. 3) 78-80 (March 1958) 34-35. The manufacture of dry-type transformers for powers up to 1000 kVA at 10 kV is described. Insulation and thermal design standards have been developed and used for transformers of up to 1000 kVA which, with class-A insulation and a temp. rise of 65°C required 2-2½ x as much Cu and Fe as did an oil-cooled transformer of the same output. Cu and Fe would be saved if the temp. rise were 90°C which, in a 30°C ambient, gives a hot-spot temp. of 130°C. Glass-based insulation suitable for operation at 130°C is reviewed and

in certain transformers, silicone-glass insulation for operation at hot-spot temps. of 180-200°C. Moisture resistance may be achieved by the use of oil-asphalt varnish or by compounds. W.R.S.

ASB-314 METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

SELECT OR ONLY LIST

*SAFOZHNIKOV, A. V.

"Replacing 110 KV Lead-Ins in Transformers," Elek. Stan., no. 5, 1949. Engr.

Sapozhnikov, N. V.

SAPozhnikov, A. V. I. SHITSYER, L. M.

20670

Standarty na transformatory v earubrezhnyzh

stranakh I gost. (oboor). Elyektrichyestvo,

1949, No. 9, s. 74-76, -Bibliogr: 9 Naev

SO: LETOPIS' NO. 40

SAPOZHNIKOV, A. V.

Design of transformers. Moskva, Gos. energ. izd-vo, 1952. 192 p. (53-32054)

TK2551.3385

SAPOZHNIKOV, A.V.

KRAYZ, A.G., inzh.; SAPOZHNIKOV, A.V., kand. tekhn. nauk.

Present-day trends in transformer design. Elektrichestvo no.2:1-8
F '58. (MIRA 11:2)

1. Moskovskiy transformatornyy zavod imeni Kuybysheva.
(Electric transformers)

SAPOZHNIKOV, A.V. (g. Shakty Kamenskoy oblasti).

~~Devoting~~ time to automatic control during the course in electric
engineering. Politekh. obuch. no.8:27-29 Ag '58. (MIRA 11:9)
(Electric engineering--Study and teaching)

8(3)

PHASE I BOOK EXPLOITATION

SOV/2011

Sapozhnikov, Aleksandr Vladimirovich

Konstruirovaniye transformatorov (Design of Transformers) 2nd ed.,
rev. Moscow, Gosenergoizdat, 1959. 360 p. 25,000 copies printed
Errata slip inserted.

Ed.: A.G. Krayz; Tech. Ed.: G.I. Matveyev, and G.Ye. Larionov.

PURPOSE: This book is intended for training design personnel at transformer plants. It may also be used as a textbook on transformer design by students of tekhnikums and vuzes'.

COVERAGE: The author describes the general principles and details of designing power transformers and their individual units. He also describes modern types of transformers for various power and voltage requirements. He illustrates the book with examples of transformer parts design and provides technical specifications. Transformers from 6 kv to 110 kv are treated in more detail than those of higher voltage or special application. The author states that at present a revision in transformer design is being carried out in Soviet plants and that a

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Design of Transformers

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substantial, in some cases a radical, change in design is being planned. A large number of transformers of "old" design are still in use; for this reason the author includes a discussion of both old and new designs of power transformers. The author thanks the following specialists for their help: S.I. Rabinovich, V.V. Kirichenko, Ye.P. Ordanovich, A.V. Panov, A.V. Kuznetsov, I.S. Kalinichenko, M.G. Gukasyan, N.I. Kurkin, N.S. Seshchenko and the editor A.G. Krayz. There are 18 references, all Soviet.

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1. Application of transformers in modern electric power engineering	7
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3. Tasks of the designer. Procedure and methods of design	12
4. Materials employed for transformers, calculation of weight threaded connections, calculations of mechanical strength, tolerances, paints and coatings	15
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S/196/61/000/010/015/037
E194/E155

AUTHORS: Sapozhnikov, A.V., and Frid, Ye.S.

TITLE: The impulse strength of power transformers

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.10, 1961, 9, abstract IOI 56. (Vestn. elektropromsti, no.3, 1961, 12-19)

TEXT: During impulse type tests, transformer insulation is subjected to three full waves and three chopped waves whose amplitudes depend upon the remanent voltage of the arrester valve. The nature of the overvoltages during impulse testing is considered. The greatest impulse voltages are applied to the first inter-coil duct. The effect of the impulse on the duct depends on the amplitude and duration of the first voltage peak. The overvoltages resulting from application of a chopped wave can be assessed by resolving it into two components, namely a forward full-wave and a reverse wave with steep front. High overvoltages can occur in auto-transformers when the output side is unloaded and a wave is applied to the input side. Different types of winding for transformers of 35 - 220 kV are considered, and also

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The impulse strength of power ...

S/196/61/000/010/015/037
E194/E155

methods of protecting them from overvoltages, for instance by
screening, capacitance rings, and lightning arresters connected
to the line terminals.
9 figures. ✓

[Abstractor's note: Complete translation.]

Card 2/2

SAPOZHNIKOV, A.V., kand.tekhn.nuak; FRID, Ye.S., kand.tekhn.nauk.

Impulse strength of power transformers. Vest. elektrom. 32
no.3:12-19 Mr '61. (MIRA 15:6)

(Electric transformers)