

KORCHAGINA, M.I., starshaya meditsinskaya sestra

Treatment of surgical rubber gloves by the Mushkatin-Iakovleva method. Med.sestra 21 no.12:51-52 D '62. (MIRA 16:4)

1. Iz Otorinolaringologicheskogo otdeleniya Kolpinskoy gorodskoy bol'nitsy No.1.
(GLOVES (SURGERY))

KORCHAGINA, N. A.

90. ANTIACETIC ACTION OF ORGANOPHOSPHORUS COMPOUNDS. S. M. Vynasheva et al.	552
91. TREATMENT OF ANIMAL ENCEPHALOMYELITIS WITH DIETHYL O-ACETOXY- β,β -TRICHLOROETHYL- PHOSPHATE (PREPARATION 367). Z. M. Mingushova et al.	539 36
92. MECHANISM AND EXPERIMENTAL THERAPY OF BRONCHOSPASM CAUSED BY ORGANOPHOSPHORUS COM- POUNDS. L. G. Magazanskii and I. V. Serebrenov	545
93. EFFECT OF ARSENIC ON CONTRACTILE UTERINE ACTIVITY. L. V. Chugunova	555
94. EFFECT OF ALKYL ESTERS OF DIETHYL- AND DIISOPROPYLPHOSPHINIC ACIDS ON UTERINE CON- TRACTION (PREPARATIONS 131 AND 103). N. A. Korchagina	

PLANT PROTECTION SECTION

95. CHOLINERGIC SYSTEMS OF INSECTS AND MECHANISM OF ACTION OF THE INSECTICIDAL ACTIVITY OF ORGANOPHOSPHORUS COMPOUNDS. A. K. Vokresenskaya et al.	561
96. BIOLOGICAL ACTION OF ORGANOPHOSPHORUS COMPOUNDS. A. M. Alekseev and T. E. Izotova	569
97. COMPARATIVE TOXICOLOGICAL PROPERTIES OF TETRAETHYL DITHIOPHOSPHATE AND DIMETHYL DIETHYL DITHIOPHOSPHATE. I. D. Neklesova et al.	578
98. EFFECT OF PREPLANTING TREATMENT OF CORN WITH ORGANOPHOSPHORUS COMPOUNDS ON THE GROWTH AND DEVELOPMENT OF THE PLANTS. T. E. Izotova et al.	583
99. ACTION OF ORGANOPHOSPHORUS COMPOUNDS ON SOIL MICROFLORA. S. M. Gerasova et al.	588
100. DITHIOPOS [DITHIOPHOS] - A VERY EFFECTIVE CONTROL AGENT FOR SUBTROPICAL PESTS. P. J. Mitrofanov	593
101. ORGANOPHOSPHORUS ANEBOLOLS FOR CONTROL OF AGRICULTURAL PESTS. A. I. Sidorov and P. J. Mitrofanov	597
102. STUDY AND APPLICATION OF ORGANOPHOSPHORUS COMPOUNDS FOR CONTROL OF EURYGASTER. D. M. Faikin and N. M. Gerasov	601
103. ORGANOPHOSPHORUS INSECTICIDES WITH INTRAPLANT ACTION AS A METHOD OF PROTECTING GRAIN SPIRITS FROM PESTS. P. V. Gerasov et al.	610
104. TESTS RESULTS ON M-81 PREPARATION IN CONTROL OF SUCKING PESTS OF FRUIT AND DECORATIVE PLANTS. M. P. Shabanova and L. P. Efimova	614
105. DETERMINATION OF SMALL AMOUNTS OF ORGANOPHOSPHORUS INSECTICIDES IN AIR AND FOOD PRODUCTS. M. A. Trotsenko	619
106. ADSORPTION OF ORGANOPHOSPHORUS INSECTICIDE VAPORS BY ACTIVATED CARBON. Yu. I. Kuznetsov and M. E. Podlinnikova	625

Khimiya i Primeneniye Fosfororganicheskikh Soedineniy (Chemistry and Application of Organophosphorus Compounds) A. Ye. Arbutov, Ed. publ. by Kazan' Univ., Acad. Sci. USSR, Kazan, 1962 632pp.

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

KORCHAGINA, N.I.

Experimental cultivation of the ephemeral plants of Central Asia
in the Khibiny Mountains. Bot. zhur. 48 no.4:570-578 Ap '63.
(MIRA 16:5)

1. Polyarno-al'piyskiy botanicheskiy sad AN SSSR, Khibiny.
(Khibiny Mountains—Plant introduction)

KORCHAGINA, N.I.

Biological and morphological changes in the Central Asiatic
ephemeral plants introduced into the Khibiny Mountains.
Bot. zhur. 49 no.7:1067-1069 JI '64 (MIRA 17:8)

1. Polyarno-al'piyskiy botanicheskiy sad, Kirovsk.

KORCHAGINA, M.I.

Some anatomical changes of leaves in Central Asiatic ephemerals
introduced in the Khibiny mountains. Bot. zhur. 50 no. 5:666-673
My '85. (MIRA 18:10)

L. Polyarno-al'piyskiy botanicheskiy sad, Kirovsk.

KORCHAGINA, O. A.

✓ The effect of preplanting treatments of the seeds of kuk-saghyz on the intensity of their physiological processes. O. A. Korchagina. *Voprasy Biokhim. Aeor. i Mineral. Pita. Rasteni. Iubitel'no Akad. Nauk Ukr. S.S.R. (Kiev) 1953, 133-44; Referat Zhur. Khim., Biol. Khim. 1953, No. 8193.*—Preplanting treatment of kuk-saghyz seeds with K_2HPO_4 and $MnSO_4$ increases the percentages of sprouting, affects the processes of metabolism in the sprouting seeds and emerging plants, and favorably affects the plants' development. B. S. Levine

KORCHAGINA, O.

"The Effect of the Presowing and Storage Conditions of Kok-Saghyz Seeds on the Course of the Biological Processes and the Productivity of the Plants." Cand Biol Sci, Inst of Plant Physiology and Agrochemistry, Acad Sci Ukr SSR. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

KORCHAGINA, O.A.

Effect of environmental conditions on the composition of the mono-
and oligosaccharide fraction in wheat leaves. Fiziol. rast. 7
no.6:701-708 '60. (MIRA 14:1)

1. K.A. Timiriasev Institute of Plant Physiology, U.S.S.R. Academy
of Sciences, Moscow
(Kola Peninsula--Wheat) (Saccharides)

KORCHAGINA, O. A.

Shift in the carbohydrate metabolism of wheat leaves during the
photoperiod of development. Dokl. AN SSSR 156 no. 1:209-211
My '64. (MIRA 17:5)

1. Predstavleno akademikom A. L. Kursanovym.

KORCHAGINA, O.A.

Effect of climatic factors on the carbohydrate content of wheat
leaves in the Arctic. Trudy Lab. evol. i ekol. fiz. no.4:163-181
'62. (MIRA 18:3)

KORCHAGINA, O.A.; MESHKOV, M.M.; MONAKHOV, F.I.

Frequency selection of oceanic storm microseisms. Izv. AN SSSR.
Ser. geofiz. no.6:771-775 Je '62. (MIRA 15:6)

1. Akademiya nauk SSSR, Institut fiziki Zemli.
(Microseisms)

ACCESSION NR: AR4020780

S/0169/64/000/001/G015/G015

SOURCE: RZh. Geofizika, Abs. 1G122

AUTHORS: Monakhov, F. I.; Korchagina, O. A.

TITLE: Conditions of formation and propagation of microseisms in the northwestern part of the Pacific Ocean

CITED SOURCE: Sb. Seysmol. issledovaniya. No. 5. M., AN SSSR, 1963, 39-51

TOPIC TAGS: Microseism formation, microseism propagation, cyclone energy, storm microseism

TRANSLATION: The apparatus and techniques employed in observations of microseisms in the northwestern part of the Pacific Ocean during the IGY are described. The observations were made at three special microseismic stations and several ordinary seismic stations. A study of the directions of incoming microseisms and a comparison of their energy with the energy of cyclones lead to the conclusion that storm microseisms recorded by seismic stations are formed in inshore zones. No reinforcement of microseisms is observed when

Card 1/2

ACCESSION NR: AR4020760

cyclones act on open areas of the ocean; this is due to the considerable damping of the microseisms in the course of their propagation along the ocean bottom. In the region of Yuzhno-Sakhalinsk, the existence of anomalies was revealed by the values of the phase velocities and directions of incoming microseismic tremors.
O. Korchagina

DATE ACQ: 03Mar64

SUB CODE: AS

ENCL: 00

Card 2/2

ACCESSION NR: AP4041180

S/0049/64/000/006/0847/0857

AUTHOR: Dolbilkina, N. A.; Korchagina, O.A.

TITLE: Peculiarities of the formation and propagation of microseisms in the Barents Sea and Sea of Okhotsk

SOURCE: AN SSSR. Izv. Seriya geofizicheskaya, no. 6, 1964, 847-857

TOPIC TAGS: seismology, seismicity, microseism, earth tremor, ice edge

ABSTRACT: An attempt has been made to determine the origin and character of propagation of microseisms occurring in the Barents Sea and Sea of Okhotsk. In the winter months, both these seas are largely covered by ice, which shields the shore and makes it possible to judge the conditions of formation of microseisms distant from the shore and their propagation along the sea floor. Certain cases of the effect of well-developed cyclones and associated microseismic storms are analyzed. The position of the edge of the ice was taken into account, since this made it possible to determine unambiguously the source of the microseismic storm. The microseismic background also was studied to clarify the character of the change in amplitude and period of the microseisms with increasing

Card 1/3

ACCESSION NR: AP4041180

distance between the ice edge and the point of observation (by microseismic background the authors mean microseisms caused by sea waves, not associated with the passage of cyclones or frontal zones over the sea). The study was based on data for the seismic stations at Kheys, Magadan, Petropavlovsk-Kamchatskiy, Kuril'sk, Okha, Murmansk and Barentsburg for the period 1957-1961. It was found that microseisms can be formed in either part of these two seas. In sectors with a continental structure on the floor of the Barents Sea and Sea of Okhotsk the attenuation of microseisms is of the same order of magnitude as on the continent itself. In the area of the continental slope of the Barents Sea there is a considerable scattering of microseismic energy. When microseisms travel through the Kurile basin they attenuate considerably more strongly than when they propagate along continental sectors complicated by mountainous relief. When microseisms propagate in a zone close to the source there is a change in the laws of attenuation (from strong attenuation at short distances to a lesser attenuation at quite great distances): "In conclusion the authors express sincere thanks to F. I. Monakhov for advice and comments during the course of the work and during discussion of the results." Orig. art. has: 4 formulas, 13 figures and 1 table.

ASSOCIATION: Institut fiziki Zemli, Akademiya nauk SSSR (Institute of Geophysics, SSSR Academy of Sciences)

Card 2/3

ACCESSION NR: A124041180

SUBMITTED: 24Jun63

ENCL: 00

SUB CODE: ES

NO REF SOV: 005

OTHER: 009

Card 3/3

BODRIKOV, I.V.; SMOLYAN, Z.S.; KORCHAGINA, G.A.

Role of a solvent in the reactions of halogenation of olefins
with a quaternary carbon atom at a double bond. Zhur. ob. khim.
35 no.5:933 My '65. (MIRA 18:6)

SOV/138-59-4-9/26

AUTHORS: Bryantseva, Yu.V., Korchagina, O.M., Zolotareva, Z.V.,
Petrenko, L.P., Leonov, M.V.

TITLE: The Preparation of Lacquers (Coating Films) from Poly-
styrene Residues Obtained During the Manufacture of
Synthetic Rubber (polucheniye lakov (zashchitnoy plenki)
iz polistirol'nykh ostatkov proizvodstva sinteticheskogo
kauchuka)

PERIODICAL: Kauchuk i Rezina, 1959, Nr 4, pp 32-35 (USSR)

ABSTRACT: The production of resins from polystyrene residues and
their use in the manufacture of lacquers and coloured
coatings was investigated. At present, styrene rubber is
prepared by the dehydrogenation of ethyl benzene. After
the distillation of styrene, polystyrene or vat residues
are obtained as by-products; the composition of these vat
residues has not been investigated in detail, but it was
known that the crystalline part contained stilbene and
diphenyl ethane. Investigations carried out in 1953 in
the Department for Organic Chemistry of the Voronezh

Card 1/3

SOV/138-59-4-9/26

The Preparation of Lacquers (Coating Films) from Polystyrene Residues Obtained During The Manufacture of Synthetic Rubber

University (under the guidance of Professor S.V. Zavgorodniy) are reviewed. The vat residues contain polystyrene, which is used in the manufacture of organic glass, resins, acid resistant vessels and lacquers. The authors carried out experiments on their use for the preparation of lacquers and coloured coating compositions and tested the properties of the coatings. They found that the coatings were light-stable, resistant to the action of alkali, alcoholic media, industrial water, concentrated sulphuric acid etc. The polystyrene coatings can also be used in electrical and radio-technical apparatus as they show good electrical insulating properties. The physical and chemical characteristics of the resins are listed in Table 1 and the yield of resins in Table 2. A plant for the separation of the resins from the vat residue was constructed on pilot plant scale (Figure 1). During these experiments, 75 kg of vat residues were processed at a temperature of 20 to 30°C and a pressure of 750 to 745 mm Hg. Distillation was carried out up to 220 to 240°C (750 to 745 mm Hg); a 30 to 40% yield was obtained. Three different compositions

Card 2/3

SAVATSEVA, Z.V.; KORCHIAGINA, R.N.

knit fabrics with knit-in foam polyurethane yarn. Nauch.
 insl. trudy VNIITP no. 5:3-24 '64 (MIRA 19:1)

SAVVATEYEVA, Z.V., kand.tekhn.nauk; KORCHAGINA, R.N., inzh.; SMIRNOVA, L.G.,
inzh.; MALYARSKAYA, V.F., inzh.

Technology of the manufacture of the new type of glued glove fabrics.
Nauch.-issl.trudy VNIITP no.4:167-194 '63. (MIRA 17:4)

USSR / Human and Animal Morphology (Normal and Pathological). Digestive System.

S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16888

Author : Korchagina, T. A.

Inst : Not given

Title : Diverticulum of the Stomach in a Patient with Situs Viscerum Inversus Totalis

Orig Pub : Khirurgiya, 1958,³⁴ No 5, 112-114

Abstract : A description is given of a case of situs viscerum inversus totalis and true stomach diverticulum (SD) determined roentgenologically and during laparotomy in a 38-year-old male. SD was located in the cardial part of the stomach along the small curvature, right below the esophagus, and had the shape of a protrusion of the stomach wall

Card 1/2 *Chitinsk Oblast' Hospital*

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824610006
USSR / Human and Animal Morphology (Normal and Pathological). Digestive System.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16888

with dimensions of 2.5 x 2.5 cm. SD was formed by all the layers of the stomach wall; microscopically, the wall of fundus of SD was infiltrated. Diverticulitis of SD was diagnosed. The described combination of anomalies has not been found in the literature by the author.

Card 2/2

KORCHAGINA, V., biolog

For you, fifth graders. Un. nat. no.11:34-35 N '61.
(MIRA 14:11)

1. Shkola no.1, Moskva.
(Plant propagation)

KORCHAGINA, V.

[Young naturalists in summer.] IUnye naturalisty letom.
Moskva "Molodaia Gvardiia," 1951. 159 p. (MLBA 8:7)
(Nature study)

KORCHAGINA, V.,

comp. *IUnym naturalistam (For young naturalists)*. Moskva, Detgiz, 1953. 344 p.

SO: *Monthly List of Russian Accessions*, Vol 7, No 9, Dec 1954

KORCHAGINA, V.A.

"Young naturalists" pavilion. Est. v shkole no.6:70-74 N-D '54.
(Moscow--Agricultural exhibitions) (MLRA 7:12)

KORCHAGINA, V.A.
USSR/General Division. Scientific Institutions.

A-3

Abs Jour: Ref. Zh.-Biol., No 17, 1957, 72411

Author : V.A. Korchagina

Inst : _____

Title : Michurin Garden in the VSKhV [All-Union Agricultural Exhibition].

Orig Pub: Estesvozn. v shkole, 1955, No 5, 82-84

Abstract: No abstract.

Card : 1/1

-2-

KORCHAGINA, V., uchitel'mitsa biologii.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610006

from spring to snow. Unnat. no.1:8 Ap '56. (MIRA 9:9)

1.1-ya srednyaya shkola, Moskva.
(Flowers)

KORCHAGINA, V. A.: Master Agric Sci (diss) -- "The effect of temperature on the sprouting of seeds and the sowing times of corn in Leningrad Oblast". Leningrad, 1958. 22 pp (Min Agric, Leningrad Agric Inst), 120 copies (KL, No 7, 1959, 127)

KORCHAGINA, V.

Flowers and berries in winter. IUn. nat. no.9:12 8 '58.
(Forcing (Plants)) (MIRA 11:10)

PLAVIL'SHCHIKOV, N.; SHCHUKIN, S.; KORCHAGINA, V.; RODINA, V.; BATSYLEV,
Ye.; NEKRASOV, V.; TRIT'YAKOV, N.; TAIROV, N.; LEL'KOV, P.
[deceased]; SUKHOVERKHOV, P.; KHOTILOVSKAYA, L., red.; VOLYETSEVA,
V., tekhn.red.

[Calendar for the young naturalist] Kalendar' iunogo naturalista.
Moskva, Izd-vo TsK VLKSM "Molodais gvardii," 1960. 358 p.
(MIRA 13:7)

(Agriculture)

GORYACHEVA, N.S.; KORCHAGINA, V.A.

Quantitative determination of leukogen. Apt. delo 9 no.3:33-35
My-Je '60. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imei S. Ordshonikidze.
(THIAZOLIDINE-CARBOXYLIC ACID)

KORCHAGIN, V.A., inzh.

Steel dry gasholders with a rubber section. Prom. stroi. 40
no.3:54-56 '62. (MIRA 15:3)

(Gasholders)

KAPTSINEL', Mikhail Abramovich; KOLESNIKOV, Ye.V.; KORCHAGINA, V.A.;
KORCHAGIN, V.N.; SMOYANINOVA, N.K.; YEFIMOV, A.L., red.;
MAKHOVA, N.N., tekhn. red.

[Fruit culture] Plodovodstvo; uchebno-spravochnoe posobie dlia
IX-XI klassov sel'skoi srednei shkoly s proizvodstvennym obu-
cheniem. [By]M.A.Kaptsinel' i dr. Moskva, Uchpedgiz, 1963.
327 p. (MIRA 16:5)

(Fruit culture)

KORCHAGINA, V.I.; KARDASH, I.M.; SPNKTOR, Sh.Sh., red.; MIKHAYLOVA, N.V.,
tekh.n.red.

[Losses of petroleum products in petroleum refineries and means
of combating them] Poteri nefteproduktov na neftepererabatyvaiu-
shchikh zavodakh i bor'ba s nimi. Baku, Gos. nauchno-tekhn.
isd-vo neft. i gorno-toplivnoi lit-ry, Azerbaidzhanskoe otd-nie,
1953. 62 p. (MIRA 11:4)
(Petroleum products)

KORCHAGINA, V. I. and KARDASH, I. M.

"Losses of Petroleum Products in Refineries and Measures Preventing Them,"
Asnefteizdat, 1953

Summary - D 497261

KORCHAGINA, U.I.

2(3) 21(4) PRAISE I BOOK INFORMATION 10/17/2022
 Akademiya nauk SSSR, Institut nefti
 Trudy, 5, 12 (Transactions of the Petroleum Institute, USSR, Academy of
 Sciences, Vol. 12) Moscow, Izdato AN SSSR, 1974. 395 p. Extract slip
 inserted. 1,700 copies printed.
 M. I. S. R. Sergiyenko, Professor, Ed. of Publishing House: K. O.
 Myusseyevy, Tech. Ed.: V. V. Golobova.
 PURPOSE: The book is intended for scientists, engineers, and technicians
 in the petroleum industry.
 CONTENT: This collection of articles describes the results of studies on
 the chemistry and technology of petroleum and was conducted in the
 laboratories of the Petroleum Institute, Academy of Sciences, USSR, in
 1976 and 1977. A new section Petrochemical Synthesis and Technology
 of Petroleum has been included in the collection of articles. A list
 of investigations published by the associates of the Institute in 1976
 and 1977 and a list of dissertations for the Doctor's and Candidate's
 degrees presented in 1976 and 1977 at open sessions of the Academic
 Council of the Petroleum Institute, Academy of Sciences, USSR, are given.
 E. D. Izhabova, P. V. Korovinaya, I. A. Masyayev, and V. I. Shchegoleva.
 Change in the Activity of Silica Gel in the Chromatographic Separation
 of Hydrocarbons 35
 Gal'pern, G. D., M. M. Kuznetsov, Ya. S. Pokryshevskiy, and E. A. Shishkova.
 Study of the Adsorption of Hydrocarbons on Synthetic and Cycloaliphatic Resins
 Sorbents in the Near Ultraviolet Region 38
 Gerd 2/9
 Sergiyenko, S. R., M. Ya. Semyachko, and E. P. Deygina. Investigation of
 the Composition and Properties of High-Molecular Weight Hydrocarbons and
 Sulfur of Organic Petroleum 63
 Sergiyenko, S. R., E. E. Davydov, A. D. Litmanovich, and V. A. Shubrayev.
 Some Physicochemical Properties of Petroleum Asphaltenes and Tar Solutions.
 Part 1h. 76
 Sergiyenko, S. R., and Yu. T. Gordash. Composition and Properties of the
 Tar Fraction of Radzhankovo Petroleum. Part 15 83
 Sergiyenko, S. R., and Yu. T. Gordash. Low-Temperature Transformations
 of High-Molecular Weight Aromatic Hydrocarbons of Radzhankovo Petroleum.
 Part 16 88
 Sergiyenko, S. R., Ya. Y. Izhodiyev. Chemical Nature of Saturated High-
 Molecular Weight Hydrocarbons of Nomsankino (Arvontan) Petroleum. Part 17 102
 Sergiyenko, S. R., and Ye. V. Labodov. Chemical Nature of Saturated
 High-Molecular Weight Hydrocarbons of Nomsankino (Arvontan) Petroleum.
 Part 18 117
 Sergiyenko, S. R., and A. A. Mikhovskiy. The Chemical Nature of
 High-Molecular Weight Monocyclic Aromatic Hydrocarbons of Nomsankino
 (Arvontan) Petroleum. Part 19 136
 Sergiyenko, S. R., I. A. Fofkina, and Ye. V. Kordina. Investigation
 of the Chemical Nature of High-Molecular Weight Condensed Dicyclic
 Aromatic Compounds of Nomsankino Petroleum by the Catalytic Hydrogenation
 Method in the Presence of Raney Ni. Part 20 147
 Sergiyenko, S. R., Ye. V. Kordina, and I. A. Fofkina. Hydrogenation
 of High-Molecular Weight Condensed Dicyclic Aromatic Compounds of
 Nomsankino Petroleum in the Presence of a $\text{Hg}_2 - \text{Hf} - \text{Al}_2\text{O}_3$ Catalyst under Mild
 Conditions. Paper 21 156
 Sergiyenko, S. R., I. A. Fofkina, and Ye. V. Kordina. Hydrogenation
 of Tars Isolated from Nomsankinoye Petroleum. Paper 22 168
 Sergiyenko, S. R., V. I. Korchagina, F. M. Galich, L. I. Putman, B. E.
 Myusseyev, and M. I. Khrushchov. Effect of the Depth of Selective Cracking
 on the Composition and Properties of Heavy Basinal Petroleum Fraction.
 Part 23 175
 Sergiyenko, S. R., V. I. Korchagina, F. M. Galich, L. I. Putman, B. E.
 Myusseyev, and M. I. Khrushchov. Effect of the Nature of the Raw Material
 and Cracking Time on the Composition and Properties of Oxidized Bitumens.
 Article 24 184

KORCHAGINA, V.I.; GINZEURG, S.A.; FIN'KO, A.A.; RUTMAN, L.I.;
DAVYDOV, I.V.; LAVRINOVICH, D.A.

Electric method for measuring the water content in crude oil.
Neft. i gaz. prcm. no.2:51-56 Ap-Je '62. (MIRA 15:6)

1. Odesskiy nef'tepererabatyvayushchiy zavod.
(Petroleum--Refining)

KORCHAGINA, V.I.; RUTMAN, L.I.; SHNOL', F.M.

Evaluating methods for determining the group composition of
bitumens. Neftoper. i neftekhim. no.2:18-21 '64. (MIRA 17:8)

1. Odesskiy neftepererabatyvayushchiy zavod.

KORCHAGINA, V.I.; RUTMAN, L.I.; FIM'KO, A.A.; SHNOL', F.M.; CHIR', L.H.;
AMBROKH, R.V.; VULIKH, Yu.L.

Plant use of a cracking residue in the production of bitumens.
Nefteper. i nef'tekhim. no.6:25-28 '64. (MIRA 17:9)

1. Odesskiy nef'tepererabatyvayushchiy zavod i Odesskiy politekhnicheskii institut.

KRAVCHUK, V.F., inzh.; KORCHAGINA, V.I., inzh.; GINZBURG, S.A., inzh.; LONGRE, G.A., inzh.; RUTMAN, L.I., inzh.; FIN'KO, A.A., inzh.; DAVYDOV, I.V., inzh.; LAVRINOVICH, D.A., inzh.

Express method for determining water content in highly viscous mazuts using their dielectric constant. Elek. sta. 35 no.9:22-26 S '64.

(MIRA 18:1)

KORCHAGINA, V.I.; RUTMAN, L.I.; SHNOL', F.M.

Change in the quality of road bitumen in asphaltic concrete.
Nefteper. i neftekhim. no.5:21-24 '65. (MIRA 18:7)

1. Odesskiy neftepererabatyvayushchiy zavod i Odesskiy politekhni-
cheskiy institut.

KORCHAGINA, Ye.L., ordinator

Pregnancy and diaphragmatic hernia. Akush. i gin. 32 no.4:84-85
Jl-Ag '56. (MLRA 9:11)

1. Is gosital'noy khirurgicheskoy kliniki (dir. - professor A.H.
Dykhno) Krasnoyarskogo meditsinskogo instituta.
(HERNIA, DIAPHRAGMATIC, in pregn.
clin. aspects)
(PREGNANCY, in various dis.
hernia, diaphragmatic, clin. aspects)

KORCHAGINA, Ye.L.

Preliminary observations on washing hands with diocide. Khirurgiia
32 no.7:86 J1 '56. (MLRA 9:11)

1. Iz kliniki gospiatal'noy khirurgii Krasnoyarskogo meditsinskogo
instituta (dir. - professor A.M.Dykhno)
(DISINFECTION AND DISINFECTANTS)

KORCHAGINA, Ye.L.

Remarks on the treatment of the hands with diocide. Khim. i med.
no.10:48-51 '59. (MIRA 13:2)

1. Iz kliniki gosptial'noy khirurgii (dir. - prof. A.M. Dykhno)
Krasnoyarskogo meditsinskogo instituta.
(SURGERY, ASEPTIC AND ANTISEPTIC) (DIOCIDE)

PRELISER AND PROPERTIES INDEX

1ST AND 2ND ORDERS 140 AND 4TH ORDERS

741

621.396.015.14 -- 82
 U.H.F. oscillators. *Monomagnon, E.-P. Radiotekhnika*
 2 (No. 3) 34-43 (1967) in Russian. — A generalized
 analysis of u.h.f. triode oscillators is given, with con-
 sideration of interelectrode capacitance and electrode
 lead inductance. The effect of the type of tuned circuit
 used on the choice of oscillator is discussed, the important
 valve parameter being C_{e1}/C_{e2} . A. L.

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

METALLURGICAL LITERATURE CLASSIFICATION										METALLURGICAL LITERATURE CLASSIFICATION									
METALLURGICAL LITERATURE CLASSIFICATION										METALLURGICAL LITERATURE CLASSIFICATION									

AUTHORS: Korchagina, Ye. P. and Utkin, G.M. 265

TITLE: Thermal grid emission in metal-ceramic tubes.
(Termoemissiya setki v metallokeramicheskikh lampakh).

PERIODICAL: "Elektrosvyaz" (Telecommunications), //1957, No.4, April,
pp. 12 - 21 (U.S.S.R.)

ABSTRACT: The authors give results of an experimental investigation of the thermal emission of the grid in metal-ceramic tubes. Results proved to be in good agreement with theoretical considerations. The thermal emission from the grid results in erroneous indications of measuring instruments in the anode circuit. The effective power and the efficiency decrease, while input power from the driving stage is increased, so that the overall gain of the stage is sharply reduced. These effects are due to the increase of the d.c. component of the anode and decrease of the d.c. component in the grid circuit. The thermal emission produces substantial distortions when anode modulation is used, this increase being due to additional pulses of the anode current which reduce the value of the fundamental. This distortion is increased by use of the automatic bias. For the types of tubes which were used in the experiment, i.e. GI-7B, GI-6B and GS-9B, the thermal emission occurs with instantaneous grid voltages $e_{g \max} > 55V$.

Korchagina, Ye. P.

AUTHORS: Korchagina, Ye. P., Utkin, G. M. 108-11-4/10

TITLE: On the Computation of Generators by Means of a Grounded Grid (O raschete generatorov s zazemlennoy setkoy).

PERIODICAL: Radiotekhnika, 1957, Vol. 12, Nr 11, pp. 29-38

ABSTRACT: In this place the question of selection of an optimum working of the frequency-amplifiers and the frequency-transformer according to the scheme with a grounded grid is examined. As given are assumed: efficiency at a load P_n , resonance-resistance R_{axx} of the anode-circuit and the tube-parameters. It is assumed that the anode-voltage E_a and the impulseheight of the anode-current I_n are not limited at the investigation. Later on criterions are introduced for the valuation of the usefulness of the recommended working. The anode-reaction is not taken under consideration here. The given efficiency at a load can be kept at different values of the amplitude of those harmonic vibrations of anode-current I_{an} for which the anode-circuit

Card 1/4

On the Computation of Generators by Means of a Grounded
Grid.

108-11-4/10

efficiency at a load the impulse height of the anode-current determines the circuit degree of effect and influences substantially the energy conditions in the anode-circuit. In the output cascades it is necessary in order to increase the general degree of effect of the transmitter to chose the impulse height of the anode-current according the minimum-efficiency used by two cascades. It is shown, that at the projecting of the intermediate cascades the fact that the same are loaded by the cathode circuit of the succeeding cascades (which form a nonlinear resistance) is to be taken into consideration. In order to multiply the frequency in the intermediate cascades of the transmitter the cut-off angle of the anode-current has to be chosen according to the conditions for the maximum cascade-amplification according to the efficiency. For the doubling of the frequency a $\theta = 75^\circ$ and for the tripling of the same a $\theta = 50^\circ$ has to be taken. The obtained diagrams show that a transition to a working with a minimum anode-voltage provokes an increase of the actual output and a reduction of the coefficient of the cascade-amplification according

Card 3/4

On the Computation of Generators by Means of a Grounded
Grid.

108-11-4/10

to the efficiency. There are 14 figures, and 2 references,
2 of which are Slavic.

SUBMITTED: November 23, 1956.

AVAILABLE: Library of Congress

Card 4/4

9(4)
 SOV/162-58-3-15/26
 AUTHORS: Korchagina, Ye.P., Ovchinnikova, T.D., and Pertseva,
 Zh.M.

TITLE: The Influence of the Thermal Grid Emission on the
 Work of a Self-Oscillator (Vliyaniye termoemissii
 setki na rezhim avtogeneratora)

PERIODICAL: Nauchnyye doklady vyshey shkoly, Radiotekhnika i
 elektronika, 1958, Nr 3, pp 112-119 (USSR)

ABSTRACT: The authors investigate the thermal grid emission of
 a metalloceramic tube GI-12B used in a self-oscilla-
 tor circuit. The experimental investigation was per-
 formed on a self-oscillator with inductive feedback
 as shown by figure 1. The experiments were performed
 at a frequency of 25 kc. When the grid is heated
 considerably, it begins emitting electrons like a
 cathode. Such a thermal emission arises with over-
 voltage conditions and with great feedback factors.
 The thermal grid emission increases the anode current
 cut-off angle and reduces the oscillator efficiency.
 The phase of the feedback factor is important for the

Card 1/3

SOV/162-58-3-15/26
 APPROVED FOR RELEASE: 06/14/2000
 The Influence of the Thermal Grid Emission on the Work of a Self-
 Oscillator
 CIA-RDP86-00513R00082461000

formation of the thermal emission. The latter arises
 when the voltages U_c and U_a are in the opposite phase.
 A phase shift between U_a and U_c reduces the number of
 electrons moving from the cathode to the grid and the
 conditions for the arising of a thermal emission are
 made more difficult. Tests performed with different
 GI-12B tubes showed that the thermal emission begins
 with different tubes at different anode voltages.
 With GI-12B tubes the thermal emission of the grid
 begins when the components of the anode and grid cur-
 rents reach 90-100 milliamps at overvoltage conditions.
 There are 1 circuit diagram, 5 oscillograms, 6 graphs
 and 1 Soviet reference.

ASSOCIATION: Kafedra radioperedayushchikh ustroystv Moskovskogo
 energeticheskogo instituta (Chair of Radio

Card 2/3

~~KORCHAGINA, Ya. P.~~

Stability of stationary conditions in an oscillator with a circuit between the plate and grid. Nauch.dokl.vys.shkoly; radiotekh.i elektron. no.4:81-92 '58. (MIRA 12:6)

1. Kafedra radiopere dayushchikh ustroystv Moskovskogo energeticheskogo instituta. (Oscillators, Electron-tube)

КОЛЛЕКЦИЯ П. П.

Г. Г. Гинин
О возможности управления сетями антенн.

А. Е. Макашова
Структурные формы электродинамических антенн.

И. СЕНСОРЫ ПЕРИДАЦИИ И УСТРОЙСТВА
Руководитель И. С. Вайден

9 июня
(с 10 до 16 часов)

И. С. Вайден
О некоторых особенностях процесса резонанса в антеннах радиотехнических устройств.

В. В. Макашова,
И. В. Иван

Теоретическое и экспериментальное исследование влияния параметров антенны на коэффициент полезного действия антенны в условиях реального распространения волн.

В. И. Рогозин
Метод вычисления антенной и прямой направленности антенны.

9 июня
(с 19 до 22 часов)

И. В. Макашова
Анализ резонанса антенны при облучении волнами с произвольной диаграммой направленности.

Е. В. Борова
Об устойчивости стационарных режимов генератора с индуктивной связью антенны и антенны.

В. В. Макашова
Связь между углом зрения радиотехнических устройств и углом нулевой направленности антенны.

11 июня
(с 10 до 16 часов)

С. И. Вайден
Действие антенны на антенну.

В. И. Тарасов
Метод расчета с частотными характеристиками антенны.

report submitted for the General Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications in. A. S. Paper (VNER), Moscow, 8-12 June, 1959

GLIKMAN, S.A.; KORCHAGINA, Ye.P.; SEV'YANTS, L.L.

Studies of the molecular interaction in solutions of polymers by
their conversion to colloidal systems. Vysokom.soed. 3, no.3:
353-358 Mr '61. (MIRA 14:6)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo
(Polymers) (Molecular association)

TEBELEV, L.G.; MIKUL'SKIY, G.F.; KORCHAGINA, Yo.P.; GLIKMAN, S.A.

Spectrophotometric analysis of the interaction of iodine with
polyvinyl alcohol solutions. Vysokom.soed. 7 no.1:123-128 Ja
'65. (MIRA 18:5)

1. Saratovskiy gosudarstvennyy universitet.

DMITRIYEVA, T.S.; KORCHAGINA, Ye.P.; GLIKMAN, S.A.

Effect of some factors on the structure of polyvinyl alcohol
solutions. Knim. volok. no.2:15-18 '65. (MIRA 18:6)

1. Saratovskiy gosudarstvennyy universitet.

KHOMUTOV, L.I.; KORCHAGINA, Ye.P.; GLIKMAN, S.A.

Thermal characteristics of gels. Zhur. prikl. khim. 38 no.4:
786-791 Ap '65. (MIRA 18:6)

KHOMUTOV, L.I.; TRUFIMOVA, G.P.; KORCHAGINA, Ye.P.; GLIKMAN, S.A.

Gelation processes and visco-elastic properties of gels.
Zhur.prikl.khim. 38 no.3:638-643 Mr '65.

(MIRA 18:11)

1. Submitted March 19, 1964.

KORCHAGINA, YE. P.

Coagulation of synthetic rubber. S. A. Glikman and E. Korchagina. U.S.S.R. 100,567. July 26, 1967. To facilitate coagulation with NaCl in the production of rubber strips, PhOH is added to the latex and the coagulation is carried out as usual. For best results 4-8 parts by wt. PhOH are added per kg. of latex. M. Hozch.

5
HERC(y)
d. way

yes
MT

КЕРЧАГИНА, Е. П.

15
 The mechanism of coagulation of butadiene-styrene latex, S. A. Glikman and E. P. Kerchagina (State Univ. Saratov). *Kolloid Zhur.* 19, 947-951 (1957). The concn. α_1 of NaCl, which caused a measurable increase in the turbidity of SKB-30A latex, increased with the latex concn., c , from 0.03 to 80 meq/l; when c increased from 0.01 to 3%, but the concn. α_2 which caused complete coagulation was almost independent of c . The α_2 of NaCl was about 10-100 and α_2 was near 600 meq/l. When hydroquinone (2-5%) was added to the latex, NaCl caused no coagulation but the latex globules had (from turbidity) vols. about 10 times those of the initial latex. The size of these "primary coagulation particles" apparently was independent of the presence of addns. The size of "secondary particles" as present in films of fully coagulated latex depended on the other constituents since these could reduce or intensify the "autohesion" of the primary particles. Thus, when 0.5g. PhOH was added to 100 g. latex, the latter required less than the standard amt. of NaCl for full coagulation, and the resulting film was better than that made without PhOH. J. J. Bikerman.

5
 2004
 1-4 E2e (4)

22

5(3), 5(4)

SOV/156-59-1-38/54

AUTHORS:

Glikman, S. A., Korchagina, Ye. P.

TITLE:

The Lyophobic Sols of High Polymers (Liofobnyye zoli vysokopolimcrov)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1959, Nr 1, pp 147 - 150 (USSR)

ABSTRACT:

Lyophobic systems produced according to earlier data (Ref 3) were investigated: a) nitrocellulose (celloxylin) - acetone - water, b) benzyl-cellulose (acetone-soluble fraction) - acetone - water, c) benzyl-cellulose - acetone - methanol, d) four different fractions of the polymethyl-methacrylate - acetone - water, e) polystyrene polymerized to an emulsion - benzene - ethanol, f) solid polystyrene - benzene - methanol, g) polyisobutylene P-200 - toluene - ethanol, and h) latex of butadiene-styrene caoutchouc KES-30A. For a characterization of the dispersion degree, the light dispersion was measured by means of a nephelometer "NFM" with a green light filter ($\lambda = 5300 \text{ \AA}$). The apparatus frosted glass Nr 2, to which the values were related, served as a comparison. All sols were tested in the 0.008 % concentration. The

Card 1/2

The Lyophobic Sols of High Polymers

SOV/156-59-1-38/54

intensity of light dispersion is graphically represented. The particle sizes inferred therefrom (in angstrom units) were between 40 (nitrocellulose) and 21000 (solid polystyrene). The four polymethyl-methacrylate fractions also differed clearly with regard to particle size (500-950). By measuring of light dispersion the stabilities of the sols were also tested (Figure). The differences in stability are explained by the action of third components in the colloid system: ionized, low-molecular impurities, in particular those of a mineral type. The addition of surface-active substances, such as phenol or soap, also prevents aggregation. There are 3 figures, 1 table, and 8 references, 7 of which are Soviet.

ASSOCIATION: Kafedra fizicheskoy i kolloidnoy khimii Saratovskogo gosudarstvennogo universiteta (Chair of Physical Chemistry and Colloid Chemistry of Saratov State University)

SUBMITTED: July 8, 1958

Card 2/2

S/081/61/000/003/017/019
A166/A129

AUTHORS: Korchagina, Ye. P., Glikman, S. A.

TITLE: The structure and drying rate of butadiene-styrene rubber strip

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1961, 570, abstract 3P283.
(Uch. zap. Saratovsk un-ta, 1959, v. 71, 5 - 11)

TEXT: The specific surface (S_{sp}) of the rubber strip was determined according to adsorption from an aqueous solution of "crystalline violet" (I). [Abstracter's note: Subscript $_{sp}$ (specific) is a translation of the original $_{y}$ (udel'naya) $S_{sp} \sim 0.6 \text{ m}^2/\text{g}$ and depends only slightly on the type of rubber (CKC-30A [SKS-30A] or CKC-30 [SKS-30]) or coagulant (NaCl , MgCl_2 or CaCl_2). Van Boemmelen's exsiccator method was used to determine the strip's equilibrium moisture content (w_{eq}). [Abstracter's note: Subscript $_{eq}$ (equilibrium) is a translation of the original $_{p}$ (ravnovesnaya)]. When NaCl is used w_{eq} first increases slightly then rapidly with a rise in the relative vapor pressure (p/p_r). [Abstracter's note: Subscript $_{r}$ (relative) is a translation of the original $_{o}$ (otnositel'noye)]. Where CaCl_2 is used this bend is more marked and occurs at a higher p/p_r ; it is preceded by a plateau due to the absence of medium diameter pores. The nature of the coagulum does not af-

Card 1/ 2

The structure and drying rate of butadiene-styrene...

S/081/61/000/003/017/019
A166/A129

fect microporosity or the transitional pores with a diameter $< 800 \text{ \AA}$. The S_{sp} of the larger pores and macropores is higher with NaCl coagulation. The S_{sp} values of these pores, determined from adsorption and by the exsiccator method, correspond closely in the case of CaCl_2 coagulation. Since I does not penetrate the narrow pores the authors believe that most of the moisture is contained in the macropores. The difference in the S_{sp} values determined by the exsiccator method with NaCl and CaCl_2 coagulation is probably due to the fact that, in the first case, the macropores are not cylinders cavities connected with the outside environment by narrow channels. The strip was dried in a current of air or N_2 (rate 0.8 l/hour) at 110°C until its weight was constant. In strip prepared with CaCl_2 moisture was removed and water vapor desorbed more rapidly than in strip prepared with NaCl, especially in the initial period of drying or desorption. The slower drying rate in the latter case is connected with the pores' shape and not with their S_{sp} . The exclusion of FeSO_4 and the introduction of anti-aging agents speeds up the drying of strip prepared with NaCl. This is due to inhibition of destruction which leads to the pores becoming clogged with low-molecular products.

Summary by I. Shmurak

[Abstracter's note: Complete translation]

Card 2/2

87669

S/081/60/000/023/021/021
A005/A001

11.2217 also 2209

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 23, p. 602, # 95121

AUTHOR: Korchagina, Ye.P.

TITLE: On the Destructive Action of Peroxides on the Polymolecules of Methyl Methacrylate and Styrene

PERIODICAL: Uch. zap. Saratovsk. un-t, 1959, Vol. 71, pp. 13 - 18

TEXT: The author studied the destructive action of peroxides of benzoyl, styrene, and methyl methacrylate on polystyrene and polymethyl methacrylate at 80°C under conditions close to the polymerization conditions of the corresponding monomers. The polymerization of monomers under these conditions was suppressed by oxygen. It was corroborated by special investigations that the thermal destruction of polymers does not take place in absence of peroxides at 80°C. The effectiveness of the destructive action of peroxides depends on their concentration and stability. The destruction proceeds most intensely at the desiccation of the precipitated polymer. It is supposed that the effect studied must affect the change in the molecular weight of the polystyrene during the thermal polymerization process of styrene.

A.Litmanovich

Translator's note: This is the full translation of the original Russian abstract.
Card 1/1

GLIKMAN, S.A.; USHAKOV, S.N.; KORCHAGINA, Ye.P.; LAVRENT'YEVA, Ye.N.

Certain properties of iodopolyvinyl alcohol gels. Dokl.
AN SSSR 154 no.2:372-374 Ja'64. (MIRA 17:2)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR i
Saratcivskiy gosudarstvennyy universitet im. N.G. Cherny-
shevskogo. 2. Chlen-korrespondent AN SSSR (for Ushakov).

L 39502-66 SNT(1)/SNA(h) TG/CO

ACC NR: AP6004822

SOURCE CODE: UR/0108/66/021/001/0001/0007

AUTHOR: Korchagina, Ye. P. (Active member)

ORG: Scientific and Technical Society of Radio Engineering and Electrocommunication
(Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Calculation of reliability parameters in systems with repairable elements

SOURCE: Radiotekhnika, v. 21, no. 1, 1966, 1-7

TOPIC TAGS: reliability, repairable system

ABSTRACT: Reliability of multiple-use systems with repairable elements is evaluated. Simple formulas for the system availability, mean time between failures and mean time of system repair for simple and compound systems are developed. The formulas are not based on the conventional queueing theory. It is assumed that during the repair of faulty elements the good elements are in operation, and their failures are possible; exponential distribution of operation and repair time is assumed. Systems with various types of redundancy (reserves) and a compound system consisting of a number of series-connected simple systems are considered. Orig. art. has: 58 formulas.

SUB CODE: 14 / SUBM DATE: none

Card 1/1 11/20/66

UDC: 621.3.019

KORCHAGINA, Ya.P.

Investigation of the stability of stationary operation of an oscillator which contains a tank circuit between its plate and grid. Nauch. dokl. vys. shkoly; radiotekh. i elektron. no.2: 176-184 '59. (MIRA 14:5)

1. Kafedra radiopredayushchikh ustroystv Moskovskogo energeticheskogo instituta.

(Oscillators, Electric)

RODIONOVA, K. F.; KORCHAGINA, Ye. I.; IL'INSKAYA, V. V.

Composition of naphthene-aromatic fractions of oily scattered bituminous substances and some crude oils. Geol. nefi i gasa 7 no.1:33-40 Ja '63. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

(Volga-Ural region--Bitumen--Analysis)
(Volga-Ural region--Petroleum--Analysis)

PETERBURGSKIY, A.V., doktor sel'skokhoz. nauk, prof.; KORCHAGINA, Yu.I.,
mladshiy nauchnyy sotrudnik

Plant assimilation of ammonia nitrogen in connection with its
exchange absorption and fixation by soil. Izv. TSKHA no.2:
47-61. '63. (MIRA 16:10)

RODIONOVA, K.F.; KORCHAGINA, Yu.I.; PENTINA, T.Yu.

Some data on oil producing rocks in the Volga-Ural region.
Sov. geol. 7 no.1:123-129 Ja '64. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy Institut.

GIMPELEVICH, E.D.; KORCHAGINA, Yu.I.

Fixed bitumen "S" in sedimentary rocks. Trudy VNIGNI no.27,88-97
'60. (MIRA 17:3)

RODIONOVA, K.F.; KURCHAGINA, Yu.I.; KARPOV, P.A.; GORENBEYN, I.A.; PENTINA, T.Yu.

Geochemical characteristics of Upper Devonian sediments in some
areas of Volgograd Province. Trudy VNIGNI no.33:72-116 '62.
(MIRA 18:12)

KORCHAGINA, Z.

Russia - Social Conditions

Workers' delegation from Iceland in the U.S.S.R. V pom. profaktivu 13, no. 14, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified.

AFANAS'YEV, N.; KORCHAGINA, Z.; PAMOV, V.; SHELAKHIN, P.

Words of truth about the Soviet Union. Sov.profsoiuzy 2 no.5:77-86 № 154.

(MLRA 7:6)

(Russia--Description and travel)

KORCHAGINA, Z.

~~Problem of pensions in Sweden. Okhr.truda i sots.strakh. no.5:~~
87 N '58. (MIRA 12:1)
(Sweden--Old age pensions)

KORCHAGINA, Z.

What prevents the development of friendly relations between the trade unions of Sweden and the U.S.S.R. Sov. profsoiuzy 16 no.4:56-57 F '60.

(MIRA 13:3)

(Sweden--Relations (General) with Russia)

(Trade unions)

VADYUNINA, A.F.; KORCHAGINA, E.A.

Production of carbon dioxide by semidesert soils. Vest. Mosk.un.
Ser. 6: Biol., pochv. 20 no.5:72-78 S-3 '65.

(MIRA 18:11)

1. Kafedra fiziki i melioratsii pochv, Moskovskogo universiteta.
Submitted March 12, 1965.

VADYUNINA, Aleksandra Fedorovna; KORCHAGINA, Zinaida Alekseyevna;
SHAGIROVA, I.M., red.; YEZHOVA, L.L., tekhn. red.

[Methods of determining the physical properties of soils in the
field and the laboratory] Metody opredeleniia fizicheskikh svoistv
pochv i gruntov; v pole i laboratorii. Moskva, Vysshaya shkola,
1961. 344 p. (MIRA 15:6)

(Soil physics)

15(2)

AUTHORS:

Minakov, A. G., Korchagina, Z. F.,
Pogarskiy, N. I.

SOV/12-59-8-8/17

TITLE:

"Steklofon" (Steklofon)

PERIODICAL:

Steklo i keramika, 1959, Nr 8, pp 21-22 (USSR)

ABSTRACT:

At the destruction of splinter-proof automobile windshields and windows the glass breaks into minute splinters and loses its transparency. It was therefore necessary to produce windshields which retain their transparency at least in a certain small sector. In 1957 the first samples of such windshields were produced in the USSR at the plant imeni Dzerzhinskiy (see footnote 1). The authors of the present paper succeeded in obtaining such panes, called steklofon, with different degrees of hardness (Fig 1). The center part of the panes is shielded off, as is shown in figure 2, by the application of protective coatings of kaolin and aluminum dye. They are then heated in an electric stove to a temperature of 640° and then cooled on a grid by an air jet. After annealing the protective coating is removed. It was found by testing steklofon according to the GOST 5727-57 method that such panes are not damaged by an 800 g steel ball dropped on them from the height of 2.5 m. Steklofon

Card 1/2

"Steklofon"

SOV/12-59-8-8/17

also tolerates temperature drops within a range of 125°. At a temperature drop of 135° steklofon breaks along the ring separating the two parts of different degrees of hardness, as can be seen from figure 3. There are 3 figures and 1 Soviet reference.

Card 2/2

86685

S/111/60/000/012/002/004
B019/B058

9.2540

AUTHOR: Korchagova, Ye. M., Engineer

TITLE: Sealed Accumulators for Automatic Current Supply

PERIODICAL: Vestnik svyazi, 1960²⁰ No. 12, pp. 11 - 12

TEXT: New acid accumulators of the types $C_3-0.5$ ($S_3-0.5$), C_3-1 (S_3-1) to C_3-5 (S_3-5) are described, which are placed in sealed containers. They are intended for use in automatic electric installations and have some advantages over open-type accumulators. They only require periodic inspection and can be incorporated in automatic Diesel, rectifier and similar installations. The accumulators of the type S-0.5 with a power of 18 amp-h, developed by the Kursk sovnarkhoz, have one positive and two negative plates. The negative plates are grids made from a lead alloy with about 5% Sb. The container is made of glass. Some details of design are discussed. Technical data are given in Tables 1 and 2. There are 4 figures and 2 tables.

Card 1/3

LH

86685

Sealed Accumulators for Automatic Current Supply

S/111/60/000/012/002/004
B019/B058

ASSOCIATION: Tekhnicheskoye upravleniye Ministerstva svyazi SSSR
(Technical Administration of the Ministry of Communications of the USSR)

TABLE
Таблица 1

Legend to Table 1:
1) Type; 2) Rated power;
3) Discharge current;
4a) Discharge time
10 hrs; 4aI) Maximum current in a; 4aII) Power in amp-h; 4aIII) Final voltage in v; 4b) Discharge time 3 hrs; 4bI) Maximum current; 4bII) Power in amp-h; 4bIII) Final voltage in v; 4c) Discharge time 1 hr; 4cI) Maximum current; 4cII) Power in amp-h; 4cIII) Final voltage in v.

1 Тип аккумулятора	2 Номинальная ёмкость а.ч.	3 Сила тока при заряде, а.	4 При разряде в течение								
			a 10 часов			b 3 часов			c 1 часа		
			максим. сила тока, а	ёмкость а.ч.	конеч. напр.	максим. сила тока, а	ёмкость а.ч.	конеч. напр.	максим. сила тока, а	ёмкость а.ч.	конеч. напр.
C-0,5	18	4,5	1,8	18	1,8	4,5	13,5	1,8	9,2	9,2	1,75
C-1	36	9	3,6	36	1,8	9	27	1,8	18,5	18,5	1,75
C-2	72	18	7,2	72	1,8	18	54	1,8	37	37	1,75
C-3	108	27	10,8	108	1,8	27	81	1,8	55,5	55,5	1,75
C-4	144	36	14,4	144	1,8	36	108	1,8	71	71	1,75
C-5	180	45	18	180	1,8	45	135	1,8	92,5	92,5	1,75

Card 2/3

86685

S/111/60/000/012/002/004
B019/B058

TABLE
Таблица 2

1 Тип аккумулятора	2 Тип пластины	3 Число пластин в аккумуляторе			4 Габаритные размеры сосуда			5 Габаритные размеры аккумулятора по крышке		
		0 поло- жи- тель- ных	b отрицатель- ных		a длина	b шири- на	c высота	a длина	b шири- на	c высота
			1 сред- них	2 край- них						
C ₂ -0.5	И ₂ -0.5	1	—	2	74	156	230	94	176	290
C ₂ -1	И ₂ -1	1	0	2	74	200	310	104	230	370
C ₂ -2	..	2	1	2	114	200	310	144	230	370
C ₂ -3	..	3	2	2	154	200	310	184	230	370
C ₂ -4	..	4	3	2	195	200	310	224	230	370
C ₂ -5	..	5	4	2	234	200	310	264	230	370

Table 2

Legend to Table 2:
1) Type; 2) Type of plate; 3a) Number of positive plates; 3bI) Number of positive plates in the center; 3bII) Number of positive plates on the edges; 4a, 4b, and 4c are length, width, and height, respectively, of the container; and 5a, 5b, and 5c are length, width, and height, respectively, of the container with lid and terminals.

Card 3/3

44

KORCHAGOVA, Ye.M., starshiy inzh.

Ways to use electric power efficiently. Vest. svyazi 22
no.1:26-27 Ja '62. (MIRA 14:12)

1. Tekhnicheskoye upravleniye Ministerstva svyazi SSSR.
(Electric power)
(Telecommunication--Equipment and supplies)

SMIRNOV, Nikolay Nikolayevich; KORCHAGOVA, Ye.M., otv. red.;
KOMAROVA, Ye.V., red.

[Automation of the electric power supply of rural
telephone equipment] Avtomatizatsia elektropitanii ap-
paratury sel'skoi telefonnoi sviazi. Moskva, Sviaz',
1965. 38 p. (MIRA 18:10)

KORCHAK, A. A.; TERLETSEY, Ya. P.

Astronhysics

Electromagnetic radiation of cosmic protons and radio-emanation of the galaxy. Zhur.
eksp. i teor.fiz. 22 No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED

KORCHAK, A. A., Cand Phys-Math Sci -- (diss) "On the magnetic
inhibiting nature of cosmic ^{radiation} ~~radio-emanation~~ and composition
of primary ~~xxxx~~ cosmic rays." Mos, 1957. Cover, 4 pp
(Mos State Univ im M. V. Lomonosov, Chair of Static Phys
and Mechanics), 100 copies. List of author's works at end
of text (12 titles) (KL, 52-57, 103)

- 6 -

KORCHAK, A. A.

AUTHOR: Korchak, A.A.

33-3-7/32

TITLE: The electromagnetic emissions of cosmic particles in the galaxy. (O Elektromagnitnom izluchenii kosmicheskikh chastits v galaktike)

PERIODICAL: "Astronomicheskiy Zhurnal" (Journal of Astronomy), 1957, Vol. 34, No. 3, pp. 365-370. (U.S.S.R.)

ABSTRACT: General cosmic electro-magnetic radiation consists of two components: shortwave (centimetre region) and longwave (over one metre). The shortwave radiation is strongly concentrated in the plane of the galaxy. Its intensity is independent of frequency, and hence this component may be attributed to emission by ionised interstellar gas. The long wave component is localised in a sphere of the order of 15 kparsecs. Its spectrum obeys the law $I \sim \nu^{-\alpha}$, where $0.5 \leq \alpha \leq 1$ (1), (2), (3).

The spherical component can, most probably, be attributed to electro-magnetic emission by the electronic component of cosmic rays in the galactic magnetic field (6), (12).

For this hypothesis to be successful, it is necessary to show that the spectrum of the bremsstrahlung from the primary cosmic ray component is identical with that observed in the above electro-magnetic radiation. This was shown to be the

Card 1/2

21(7)

AUTHORS:

Kozhuk, A. A., Syrovatskiy, S. I.

SOV/20-122-5-12/56

TITLE:

On the Possibility of the Preferential Acceleration of Heavy Elements in the Sources of Cosmic Rays (O vozmozhnosti preimushchestvennogo uskoreniya tyazhelykh elementov v istochnikakh kosmicheskikh luchey)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 5, pp 792 - 794 (USSR)

ABSTRACT:

In the primary component of cosmic radiation the nuclei with the nuclear numbers $Z_0 > 2$ (in relation to the protons and α -particles) are on the average 5 to 10 times as frequent as in the interstellar space. This may be explained either by the higher number of elements with $Z_0 > 2$ in the sources of cosmic rays or by their more effective acceleration. The present paper investigates the second possibility on the basis of the example of the statistical mechanism (E.Fermi) (Ref 2). In the sources of cosmic radiation there may exist conditions that favor the predominant

Card 1/4

On the Possibility of the Preferential Acceleration
of Heavy Elements in the Sources of Cosmic Rays

SOV/20-122-5-12/56

acceleration of heavy elements. A formula for the increase of the total energy E of the particle with time is written down. However, the particle also loses energy by its collisions with atoms and electrons. It depends on the ratio between the obtained and the lost energy whether the particle is accelerated or not. A formula for the threshold energy (usually called injection energy) is written down. The deliberations discussed in this paper are indicative of a higher efficacy of the acceleration of heavy elements in the case of the amount of initial ionization being equal. The range of values of the parameter α , in which the heavy elements are predominantly accelerated, is rather narrow, and therefore the chance occurrence of the necessary value of α would, under real conditions, be little probable. However, in a system that contains a gaseous magnetic medium and the particles to be accelerated, there must be automatic control, and it is because of this fact that α necessarily belongs to the aforementioned range of values. The

Card 2/4

On the Possibility of the Preferential Acceleration
of Heavy Elements in the Sources of Cosmic Rays

SOV/20-122-5-12/56

possibilities for the preferred acceleration of heavy elements, which were investigated on the basis of the example of the statistical mechanism, apply also to several other mechanisms of acceleration, especially in the case of the exponential increase of magnetic field strength. This permits renewed raising of the problem of the formation of the primary component of cosmic rays. There are 5 references, 2 of which are Soviet.

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

PRESENTED: June 2, 1958, by M.A.Leontovich, Academician

SUBMITTED: May 21, 1958

Card 3/4

KORCHAK, A.A.

"COSMIC RAY COMPOSITION"

A.A.Korchak, S.I. Syrovatskiy

The role of energy losses in cosmic ray particle acceleration is discussed. The possibility of preferential acceleration of heavy nuclei has been discovered. An attempt has been made to explain the observed composition of cosmic rays at the Earth on the basis of preferential acceleration of heavy nuclei in cosmic ray sources.

report presented at the International Cosmic Ray Conference, Moscow, 6-11 July 1959

PLANK I BOOK EDITORIAL

International Cosmic Ray Conference. Moscow, 1959. Proceedings, Vol. III. Moscow, 1960. 255 p. Article also listed. No. of copies printed not given.

Sponsoring Agency: International Union of Pure and Applied Physics, Cosmic Ray Commission.

Ed. S. I. Gromovskiy, Editorial Board: G. B. Dolanov (Ed.-in-Chief), I. P. Ivanov, M. M. Kiselev (Ed.-in-Chief), B. N. Gerasimov, A. I. Bikhshov, V. L. Fedorov, M. N. Vaylov, and A. V. Aronovskiy.

REMARKS: This book is intended for physicists, astronomers and other scientists concerned with the earth's radiation belts and cosmic ray research.

CONTENTS: This is Volume 3 of a 4-volume work containing the proceedings of the Moscow Cosmic Ray Conference held July 6-10, 1959. This volume contains reports delivered by Soviet scientists are described below. References accompany individual reports.

III. THE ORIGIN OF COSMIC RAYS

35. Changping, T.L. Some aspects of the theory of cosmic ray orbits. This paper includes the following problems: 1) The mean galactic drift rate in the galaxy (including the halo); 2) The role of diffusion mechanism in cosmic ray transport; 3) The mechanism and role of cosmic ray escape from the galaxy into intergalactic space; 4) The nature of cosmic ray transport in the galactic spiral; 5) The origin of the cosmic ray albedo component in the halo. 196-204

36. Shalunov, I.S. Achievements in radioastronomy and radioastronomical theory of the origin of cosmic rays on the basis of the latest achievements in radioastronomy. 205-210

37. Levitskiy, B.B., and S.I. Gromovskiy (Gromovskiy). On the composition of primary cosmic rays. This paper points out the discrepancy in the applications of the composition of cosmic rays and presents another approach to the solution of this problem. 211-219

38. Shalunov, I.S. Periodic acceleration of cosmic rays by the electrostatic field of the magnetic loops of the Earth's electromagnetic field of a magnetosphere, as well as of a coronal magnetic field of sun and other stars. This paper presents the results of calculations regarding the dispersion of cosmic rays in the intergalactic and galactic magnetic fields. It is shown that the dispersion of cosmic rays is not negligible and may be comparable with the effect of diffusion. The origin of the cosmic ray albedo component is also discussed. 219-238

39. Kozlov, L.I. On the relativistic theory of charged-particle acceleration in the solar corona. The author considers the problem of injection energy in a relativistic medium. It is shown that the acceleration of particles by the solar wind is possible in the case of a magnetosphere. The acceleration of particles by the solar wind is also considered. 239-244

INDEX: Library of Congress

6

30820

S/033/61/038/005/008/015
E133/E435

3,1730 (1172)

AUTHORS: Korchak, A.A., Syrovatskiy, S.I.

TITLE: The polarization of radiation and magnetic field structure in cosmic sources of magnetic brake radiation

PERIODICAL: *Astronomicheskii zhurnal*, v.38, no.5, 1961, 885-897

TEXT: The polarization produced by magnetic braking of relativistic particles is, in general, elliptical. Linear polarization results for an isotropic particle distribution. However, the degree of ellipticity introduced by anisotropy is usually small. A homogeneous magnetic field should produce a high degree of polarization (60 to 80%). The observed amount, however, does not exceed 10%. This could be due either to the inhomogeneity of the magnetic field or to the Faraday effect. This latter effect should vary rapidly with frequency, whereas the observed polarization does not seem to do so. It is therefore possible to connect the observed polarization with an inhomogeneous magnetic field. This can be done most conveniently by considering the field as consisting of two components: one homogeneous and the other completely random (average value zero). The authors first consider the brake

Card 1/5

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824610006-4

S/033/61/038/005/008/015
E133/E435

The polarization of radiation ...

radiation produced by a charged particle moving in a homogeneous magnetic field (Ref.13: K.C.Westfold, *Astrophys. J.*, v.130, 241, 1959). They thus obtain values for I_1 and I_2 : the flux density at a distance r from a particle with components of oscillation parallel (I_1) and perpendicular (I_2) to the projection of the magnetic field (H) on the celestial sphere. They next consider a system of particles, instead of a single particle, and derive the Stoke's parameters (confined to a homogeneous isotropic distribution of particles). These are given by the set of equations

$$\begin{aligned}
 I &= \frac{\sqrt{3}}{4\pi r^2} \frac{c^2}{mc^2} \int H \sin \mu dv \int N(E) dE \frac{v}{v_c} \int_{\frac{v}{v_c}}^1 K_{\nu}(\eta) d\eta, \\
 Q &= \frac{\sqrt{3}}{4\pi r^2} \frac{c^2}{mc^2} \int H \sin \mu \cos 2\chi dv \int N(E) dE \frac{v}{v_c} K_{\nu} \left(\frac{v}{v_c} \right), \\
 U &= \frac{\sqrt{3}}{4\pi r^2} \frac{c^2}{mc^2} \int H \sin \mu \sin 2\chi dv \int N(E) dE \frac{v}{v_c} K_{\nu} \left(\frac{v}{v_c} \right), \\
 V &= 0.
 \end{aligned}
 \tag{12}$$

Card 2/5

30820

S/033/61/038/005/008/015

E133/E435

The polarization of radiation ...

The fact that $V = 0$ indicates that the radiation is linearly polarized. The amount of ellipticity introduced by an anisotropic distribution is small, because $V \cong mc^2/E$. It is assumed that the electronic energy spectrum is given by

$$N(E)dE = KE^{-\gamma}dE(E_1 < E < E_2) \quad (15)$$

The equations for the Stoke's parameters can then be transformed to

$$\begin{aligned} I &= \frac{\gamma+1/2}{\gamma+1} \Phi(v, \gamma) \int_0^\pi [H \sin \mu]^{(\gamma+1)/2} dv, \\ Q &= \Phi(v, \gamma) \int_0^\pi [H \sin \mu]^{(\gamma+1)/2} \cos 2\chi dv, \\ U &= \Phi(v, \gamma) \int_0^\pi [H \sin \mu]^{(\gamma+1)/2} \sin 2\chi dv, \end{aligned} \quad (18)$$

Card 3/5

The polarization of radiation ...

30820
S/033/61/038/005/008/015
E133/E435

This set of equations would allow the determination of the intensity and polarization distribution, if the magnitude and distribution of the magnetic field were known. Two simple cases are considered: (a) an anisotropic field of constant magnitude; the field is assumed to be axially symmetric and representable by a series of zonal harmonics; (b) a superposition of a homogeneous and a chaotic field. The degree of polarization is given by

$$\rho = \left| \frac{\langle \Delta H^2 \rangle}{\langle H^2 \rangle} \right| f(\gamma), \quad (35)$$

$$f(\gamma) = \frac{45}{8} \frac{(\gamma+1)(\gamma+5)}{(\gamma+7)(3\gamma+7)} \quad (36)$$

for case (a) and by

$$\frac{3(\gamma+1)(\gamma+3)(\gamma+5)}{32(3\gamma+7)} \left[1 - \frac{\gamma^2+8\gamma+3}{24} \frac{H_1^2}{H^2} \right] \frac{H_1^2}{H^2}, \quad (37)$$

$$\rho = \frac{3(\gamma+1)}{3\gamma+7} \left(1 - \frac{2}{3} \frac{H_1^2}{H^2} \right). \quad (38)$$

Card 4/5

30820

S/033/61/038/005/008/015

The polarization of radiation ...

E133/E435

for case (b). Eq.(37) applies if $H_1^2 \gg H_2^2$ and Eq.(38) if $H_2^2 \gg H_1^2$ (here H_1^2 is the mean square value of the chaotic magnetic field). Eq.(35) and (36) are applied to the Crab nebula. It is found that the anisotropic field produces an excess pressure of $2.9 \times 10^{-3} \langle H^2 \rangle$ along the major axis of the nebula. Assuming that the observed acceleration of the expansion is due to this anisotropy, it is found that $H \sim 1.3 \times 10^{-3}$ to 4×10^{-4} . It is predictable that all radiation sources, of this type, will tend to be non-spherical owing to the anisotropic field. There are 3 figures and 19 references: 11 Soviet-bloc and 8 non-Soviet-bloc. The four most recent references to English language publications read as follows: Ref.3: G.R.Burbidge, Proc. Paris Sympos. on Radioastronomy 1958, Russian translation by IIL, 1961; Ref.11: C.H.Mayer, R.M.Sloanaker, Astron. J., v.64, 339, 1959; Ref.13: as quoted in text; Ref.18: L.Woltjer, Bull. Astron. Soc. Netherl., v.14, 39, 1958.

ASSOCIATION: Fizicheskiy in-t im. P.N.Lebedeva Akademii nauk SSSR
(Physics Institute imeni P.N.Lebedev AS USSR)

SUBMITTED: January 12, 1961
Card 5/5

3.1740

S/504/62/017/000/006/007
1046/1246

AUTHOR:

Korchak, A.A.

TITLE:

An estimate of the cosmic ray energy and of the magnetic field intensity in radiosources

SOURCE:

Akademiya nauk SSSR. Fizicheskiy institut. Trudy, v. 17. Moscow, 1962. Radioastronomiya, 149-160

TEXT:

The theoretical analysis of the energy spectrum of relativistic particles is free from the common assumption that the total radiative power output of each particle in a magnetic field is confined to the critical frequency. Allowance for the actual radiative power distribution over frequencies results in a considerable refinement in the determination of the limits of the energy spectrum. The corresponding magnetic field intensities calculated for remnants of supernovae, for radiogalaxies and for galaxies are thus superior to those given by Burbidge (Ref.1: Radioastronomy, the Paris symposium, 1958); the data of the present paper exceed those of Ref. 1 by a factor of 1.5 to 3, and in some cases even by a factor of 5 to 10. There are 2 figures and 4 tables.

Card 1/1

S/203/63/003/001/004/022
A061/A126

AUTHORS: Korchak, A. A., Lotova, N. A.

TITLE: The cyclotron emission of charged particles in a dipole magnetic field

PERIODICAL: Geomagnetizm i aeronomiya, v. 3, no. 1, 1963, 37 - 42

TEXT: The polarization degree and the position angle of the cyclotron emission of electrons in a dipole magnetic field are calculated by starting from the same premises as previously used by G. B. Field (J. Geophys. Res., 1960, v. 65, no. 6, 1661; 1961, v. 66, no. 5, 1395). The initial relation is Field's formula for the frequency of the emission of an electron moving to and fro with nonrelativistic velocity between two symmetric points on a magnetic plane of a dipole magnetic field. If the electron distribution in the equatorial plane can be described by the relation indicated by E. N. Parker (Phys. Rev., 1957, v. 107, no. 4, 924) and S. I. Akosofu et al. (J. Geophys. Res., 1961, v. 66, no. 12, 4013); if the radiation belt is sufficiently thin; if the magnetic field

Card 1/3

The cyclotron emission of charged

S/203/63/003/001/004/022
AO61/A126

in the particle range differs only little from that of a dipole; if the magnetic moment of the dipole is perpendicular to the direction of view, and, finally, if the radiation absorption can be neglected, the following results: 1) The intensity of the cyclotron emission depends on the angular distribution of the particles. If the angular distribution has the form $\sin^n \alpha_0$, the drop of intensity with a decrease of θ is the quicker, the larger n is. α_0 is the angle formed by the electron motion and the magnetic field in the equatorial plane, and θ is the polar angle. 2) The polarization degree of emission in the first quadrant ranges between 33 and 100%. It depends on frequency considerably, but not on the angular distribution of the particles. 3) The polarization degree of the total emission of a symmetric radiation belt assumes, as a function of frequency, any value between 0 and 100%; the position angle assumes any discrete values between 0 and $\pi/2$. There are 3 figures.

Card 2/3