

MERKOV, A.M., prof. (Moskva)

Method of calculation and analysis of the indices of child
mortality. Zdrav. Roc. Feder. 7 no.5:31-36 My'63.

(MIRA 16:6)

(CHILDREN--MORTALITY)

BATKIS, Grigoriy Abramovich, pro .(1895-1960); MERKOV, A.M., prof., red.;
PRIVEZENTSEVA, A.G., red.

[Problems in health and vital statistics; selected works]
Voprosy sanitarnoi i demograficheskoi statistiki; izbran-
nye proizvedeniia. Moskva, "Statistika," 1964. 289 p.
(MIRA 17:6)

1. Chlen-korrespondent AMN SSSR (for Batkis).

MERKOV, A.M., prof.

[General theory and methodology of sanitary-statistical research; a manual for physicians] Obshchaya teoriia i metodika sanitarno-statisticheskogo issledovaniia; posobie dlia vrachei. Izd.2., dop. Moskva, TSentr. in-t usovershenstvovaniia vrachei. (MIRA 17:4)

SORDKIHA, V.A., kand. med. nauk; MERKOV, A.M., prof., red.

[Practical work in the methodology of the analysis of mortality in children] Praktikum po metodike analiza detskoj smertnosti. Moskva, TSentr. inst usovershenstvovaniia vrachei, 1963. 56 p. (MIRA 18:2)

BIRYUKOVA, R.N.; LOGLE, N.V., dots.; SLUCHANKO, I.S.; MERKOV, A.M.,
inzh., red.

[Practical aid in using health statistics] Praktikum po
primeneniiu sanitarnoi statistiki. Moskva, TSentr. in-t
usovershenstvovaniia vrachei, 1964. 255 p.
(MIRA 18:2)

MERKOV, A.M. (Moskva, G-48, ul. Usacheva, 19-a, korpus 1, kv.45)

Problems of statistics and regional pathology of malignant
tumors. Vop. onk. 10 no.9:3-7 '64. (MIRA 1811)

NOTKIN, Yefim Lvarevich, doktor med. nauk; MERKOV, A.M., prof.,
re

[Statistics in hygiene research] Statistika v gigieniche-
skikh issledovaniakh. Moskva, Meditsina, 1965. 272 p.
(MIRA 18:6)

MERKOV, A.M., prof., red.; TSEKOVNYY, G.F., kand. med. nauk,
red.; KAUFMAN, B.D., kand. med. nauk, red.; SHNAYDER,
B.Ye., red.

[Morbidity and mortality from malignant tumors among the
population of the U.S.S.R.] Zaboлеваemost' i smertnost'
naseleniia SSSR ot zlokachestvennykh novoobrazovani.
Leningrad, Medgiz, 1962. 54 p. (MIRA 18:7)

Merkov, B. P.

✓ A cleaning fluid for gas analysis. B. P. Merkov (Synthetic Factory, Moscow). *Zavodskaya* No. 21, 1957 (1957).
CH The prepn. of 1,2,3,4-tetrahydro-6-naphthalenesulfonic acid is described. The use of an aq. soln. of this compd. and H₂SO₄ is proposed as a cleaning agent for app. used in gas analysis. J. Ravfar Leich

MERKOV, B.P. (Moskva); GAUER, Z.Ye. (Moskva); KOBEEV, M.V.; SYCHEV, K.I.
(Karaganda); UMAROV, M.U. (Moskva); SHUTLIV, F.A., kand.geol.-
mineral.nauk

News, events, facts. Priroda no.12:99-109 D '62.

(MIRA 15:12)

1. Donetskaya geologicheskaya partiya, Novu-Troitskoye, Donetskaya
obl. (for Kobeev). 2. Tsentral'nyy soviet Vserossiyskogo obshchestva
okhrany priroda, Moskva (for Shutliv).
(Science news)

BOGUSLAVSKIY, Isaak Yakovlevich; BOCHAROV, Yuriy Grigor'yevich; LEVCHENKO, Dmitriy Vasil'yevich; PORFNOY, Moisey Yevseyevich; MERKOV, S.M., red.; AVRUFSKAYA, R.F., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Establishing norms and the work organization for the repair of metallurgical furnaces] Tekhnicheskoe normirovanie i organizatsiia truda na remontakh metallurgicheskikh pechei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 316 p.

(MIRA 13:10)

(Metallurgical furnaces--Maintenance and repair)

MEBKOV, G.G.; NISOV, N.A.

Evaluating thermal stresses in friction units. Trudy LPI no.249:
23-26 '65. (MIRA 18:9)

MERKOVA, M.A. (Moskva, ulitsa Usacheva, dom 19-a, korp.1, kv.45);
MORDVINOVA, N.P.; GOLLAND, E.B.

Late results of the treatment of myasthenia gravis by irradiation
of the thymus with X rays and of the resulting radiation ulcer.
Vest.rent.i rad. 35 no.1:45-47 Ja-F '60. (MIRA 13:6)

1. Iz radiologicheskogo otdela (rukovoditel' - prof. A.V. Kozlova)
Nauchno-issledovatel'skogo rentgena-radiologicheskogo instituta
Ministerstva zdravookhraneniya RSFSR (dir. - dotsent I.G. La-
gunova), kafedry luchevoy bolezni (zav. - prof. A.V. Kozlova)
TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D.
Kovrigina) i Instituta nevrologii AMN SSSR (dir. - deystvitel'-
nyy chlen AMN SSSR prof. N.V. Kononov).
(MYASTHENIA GRAVIS radiother.)
(THYMUS GLAND radiation eff.)
(RADIOTHERPY compl.)

OMEL'YANENKO, L.M.; MERKOVA, M.A.

Changes in the nervous system and internal organs during the
late periods following radiotherapy. Med.rad. no.3:8-13 '62.
(MIRA 15:3)

1. Iz kafedry klinicheskoy radiologii (zav. - prof. A.V.
Koslova) Tsentral'nogo instituta usovershenstvovaniya vrachey.
(NERVOUS SYSTEM--RADIOGRAPHY) (RADIOTHERAPY)

MERKOVA, M.A.

Some data on the ecology of the red-backed bank vole and the yellow-necked field mouse in southern Moscow Province and in the Tellermanovskaya Forest. Biul. MOIP. Otd. biol. 60 no.1:21-31 Ja-F '55. (MLRA 8:7)
(Moscow Province--Field mice) (Voronezh Province--Field mice)

17(4)
AUTHORS:

Zimina, R. P., Merkova, M. A.

SOV/20-122-6-46/49

TITLE:

New Data on the Ecology of the Rodent *Sicista Tianschanica* Salen (Novyye dannyye po ekologii tyan'-shan'skoy myshovki (*Sicista tianschanica* Salen))

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 6, pp 1119 - 1121 (USSR)

ABSTRACT:

The topic mentioned in the title is interesting because this rodent is an example of a particular form of life: a small hibernating rodent having an imperfect heat regulation which in spite of this fact is able to stand the rough environmental conditions of the Tyan'-Shan' High Mountains very well. The data presented in this paper were collected in the Tyan'-Shan'skaya vysokogornaya fiziko-geograficheskaya stantsiya (Tyan'-Shan' Physical-Geographical High Mountain Station) which is situated on the northern slope of the Terskey-Alatau mountain range in the catchment area of the Chon-Kyzyl-Su River. The 339 *Sicistae* which were caught were parasitologically investigated, weighed, and dissected. This kind was observed in the open and test breedings were carried out with them. The ecological conditions of the region are

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New Data on the Ecology of the Rodent *Sicista*
Tianschanica Salen

SOV/20-122-6-46/49

described. *Sicista* belongs to the eurytophic rodents and is widely spread in the Issyk-Kul' basin and in the surrounding mountain chains. It is most frequently found in the shrubbery at the lower timber-line, in light spruce stands (*Picea Schrenkiana*) mixed with undergrowth, and in old clearings. It is never observed in settlements. After the Tyan'-Shan' wood-vole (*Clethrionomys frater* Thos.) and the field mouse (*Apodemus sylvaticus* Pall.) *Sicista* ranks in the third place with regard to frequency of occurrence. In the period from 1948 to 1956 their frequency widely fluctuated. The minimum was in the year 1948, the maximum 1953 and 1954. The way of living of *Sicista* is described in detail. It eats plants and insects. Quite a rich fauna of ectoparasites was found in *Sicista*: Gamasid mites, lice, more rarely bigger ixodian ticks and fleas. A. D. Petrova found 12 kinds of gamasids. The Dermacentor ticks were determined by N. A. Filippova, the fleas by I. G. Ioff.

ASSOCIATION:
Card 2/3

Institut geografii Akademii nauk SSSR (Institute of Geography

New Data on the Ecology of the Rodent Sicista
Tianschanica Salen

SOV/20-122-6-46/49

Academy of Sciences, USSR)

PRESENTED: June 23, 1958, by Ye. N. Pavlovskiy, Academician

SUBMITTED: June 20, 1958

Card 3/3

ZIMINA, R.P.; MERKOVA, M.A.

Ecology of the birch mouse *Sicista tianschanica* Salen in the
northern Tien Shan. Mat. k pozn. fauny i flory SSSR. Otd. zool
no. 38:183-207 '60. (MIRA 14:3)
(Issyk-Kul' region--Birch mouse)

KARASEVA, Ye.V.; KORENBERG, E.I.; MERKOVA, M.A.

Small mammals of central Yakutia and their role as natural reservoirs
of some human diseases. Zool. zhur. 39 no.11:1690-1699 N '60.
(MIRA 14:1)

1. Department of Infections of Natural Nidality, Institute of
Epidemiology and Microbiology, U.S.S.R. Academy of Medical Sciences,
Moscow.

(Vilyuy Valley—Rodents as carriers of disease)

MERKOVA, M.A.; OMEL'YANENKO, L.M.; KLIMENKO, A.A.

Possibilities of gamma-therapy of pituitary tumors. Med. rad. 3
no.5:17-20 My '63. (MJRA 17:5)

1. Iz kafedry klinicheskoy radiologii (zav. - prof. A.V. Kozlova)
- ntral'nogo instituta usovershenstvovaniya vrachey i radiologicheskogo
otdela (rukovoditel' - prof. A.V. Kozlova) Nauchno-issledovatel'skogo
rentgeno-radiologicheskogo instituta.

KALINA, V.O., YAKOVLEVAYA, I.G., MERKOVA, M.A., GINZBURG, M.B.

Analysis of radiotherapy of cancer of the larynx. Med. rad.
9 no.11:3-7 N 194. (MTRA 18:9)

1. Nauchno-issledovatel'skiy rentgeno-radiologicheskiy institut
Ministerstva zdoravookhraneniya SSSR.

CHADIEVA, S.S.; CHIRIK, M.L.; ...

Comparative evaluation of the methods of radiological ...
myelopapillary tumors. Vestn. ...

1. Glavnyy vopros ...
otdel' SVV. - 1981. ...
natsionalnoy radiologicheskoy institut ...
Leningrad, ...

SAVCHENKO, Ya.D. (Moskva); LOBANTKOVA, Z.F. (Moskva), GABVEY, N.N. (Moskva);
MERKOVA, M.A. (Moskva)

Clinical morphological changes during radiotherapy of patients
with esophageal cancer. Trudy TSentz. nauch.-issl. inst. rentg. i
rad. 11 no.1:127-138 '64. (MIRA 18:11)

LEBEDEVA, I.A. (Moskva); MERKOVA, M.A. (Moskva)

Some characteristics of the clinical aspects of malignant
skeletal tumors and reactions to radiotherapy in patients
having had contact with radioactive substances. Trudy
TSentr. nauch.-issl. inst. rentg. i rad. ll no.1:179-182
'64. (MIRA 18:11)

KOZLOVA, A.V., prof.; MERKOVA, M.A.; LEBEDEVA, I.A.

Radiotherapy for malignant tumors of the spine. Med. rad. 10
no.11:9-15 N '65. (MIRA 19:1)

1. Radiologicheskii (zav. - prof. A.V. Kozlova) i nauchno-
poliklinicheskiy (zav. - dotsent Kuznetsov) otdely Gosudarst-
vennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo
instituta. Submitted January 25, 1965.

L 14543-63

EWT(1)/EWT(m)/BDS/ES(b) AFFTC/AMD/ASD AR/K

ACCESSION NR: AT3002336

S/2931/62/000/000/0026/0034

AUTHOR: Kozlova, A. V. (Professor Director); Semiglazova, Ye. D. (Assistant); Merkova, M. A. (Assistant)

TITLE: Clinic of acute head skin radiation injuries

60
58

SOURCE: Voprosy meditsinskoj radiologii; sbornik nauchnykh rabot. Moscow, 1962, 26-34

TOPIC TAGS: radiation sickness, head injury, body effect, nervous system, cardiovascular system, gastro-intestinal system, blood

ABSTRACT: Other studies (sources cited in text) have described the nature of radiation head injuries in detail, but very little material can be found on general condition changes in the organism during such injuries. To gain insight into this problem the author investigated 9 clinical cases. Eight of these were children 4 to 8 yrs old and one a 16 yr old boy. All of these cases came to the attention of the clinic five months after a technical overdose of X-irradiation in treating mycotic head lesions. Two to three weeks after the irradiation injuries the general condition of the patients was characterized by fever, loss of appetite, disturbed sleep, excitability and at times
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ACCESSION NR: AT3002336

apathy. Six to eight months later the general condition of all the cases remained serious with periodic improvements and then relapses. Marked disturbances of the automatic nervous system appeared. Cardiovascular disturbances with myocardial dystrophy was observed. Changes in morphological blood composition were characterized by growing anemia. The number of erythrocytes decreased from the norm to 2 to 3 million in the first 6 mos and by the end of the year returned to the norm, but at the same time hemoglobin decreased from 65 to 70 to 45 to 50. Biochemical blood analysis revealed disturbances in blood protein fractions with increase in globulin. Gastrointestinal disturbances included loss of appetite, coated tongue, occasional epigastric pains and constipation. All cases remained in the clinic for 6 mos and despite a high calorie diet only one case had a weight increase. The authors conclude that radiation head injuries cause disturbances in the nervous system (characterized by sharp asthenia and impaired autonomic nervous system) and cause blood changes which at first are typical for radiation injuries and later are more typical for the chronic infectious process. Infectious-toxic brain and internal organ damage is possible in addition to the clinical symptoms caused by radiation reactions. Orig. art. has: 4 figures.

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ACCESSION NR: AT3002336

2

ASSOCIATION: Kafedra klinicheskoy radiologii (Department of Clinical Radiology; Professor A. V. Kozlova, Director); Gosudarstvennyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy institut MZ RSFSR (State Scientific Research X-ray Radiological Institute, MZ RSFSR; Professor I. G. Lagunova, Director)

SUBMITTED: 00

DATE ACQ: 10Jun63

ENCL: 00

SUB CODE: AM

NO REF SOV: 000

OTHER: 000

Card 3/3

MERKULOV, M. I.; GORBUNOVA, R. I.

Varnishing bent chairs in a high-frequency electric field.
Der. prom. 12 no.2:22-24 F '63. (MIRA 16:4)

1. Moskovskaya mebel'naya fabrika No. 5.

(Wood finishing) (Chairs)

MERKOVA, M.V.

New method for determining silicon dioxide in tungsten concentrates. Vest.LGU 14 no.6:157 '59. (MIRA 12:6)
(Tungsten) (Silica)

MAKAYEV, Sergey Vladimirovich; VINOKUROV, Izrail Yakovlevich; MERKSIN,
Boris Vasil'yevich; FEYGIN, Geshel' Davidovich; SKRYABIN, Nikolay
Petrovich; RYABOKON', Nikolay Kononovich; LEDNEV, M.P., retsenzent;
KOTSAR', Sergey Leonidovich, red.; BUR'KOV, M.M., red.izd-va;
MAL'KOVA, N.T., tekhn. red.

[Production of lightweight sections]Proizvodstvo oblegchennykh
profilei. [By]S.V.Makaev i dr. Sverdlovsk, Metallurgizdat, 1962.
215 p. (MIRA 16:3)

(Rolling (Metalwork))

MERKUCHEV, DMITRIY ANTONOVICH

RUDAKOV, Viktor Vasil'yevich, kandidat tekhnicheskikh nauk; KOMPANEYETS, Vladimir Yakovlevich, kandidat tekhnicheskikh nauk; PROZOROV, Valentin Alekseyevich, inzhener; ~~MERKUCHEV, Dmitriy Antonovich~~, inzhener; SHUSTOV, V.A., dotsent, redaktor; FAYNBERG, Ye.F., redaktor; MOLODTSOVA, N.G., tekhnicheskiy redaktor

[Electric machines and automobile and tractor electric equipment]
Elektricheskie mashiny i avtotraktornoe elektrooborudovanie. Pod
obshchei red. V.A.Shustova i V.V.Rudakova. Moskva, Gos. izd-vo
sel'khoz. lit-ry, 1957. 302 p. (MLRA 10:6)

(Electric machines)

(Tractors--Electric equipment)

(Automobiles--Electric equipment)

KOVCHIN, Sergey Aleksandrovich; MERKUCHEV, Dmitriy Antonovich; RUDAKOV, Viktor Vasil'yevich; SHUSTOV, V.A., dotsent, red.; FAYNBERG, Ye.F., red.; MOLODTSOVA, H.G., tekhn.red.

[Use of electric power in agriculture; laboratory studies]
Primenenie elektricheskoi energii v sel'skom khoziaistve;
laboratorno-prakticheskie raboty. Pod red. V.A. Shustova.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 228 p. (MIRA 12:2)
(Electricity in agriculture)

MERKUCHEV, Dmitriy Antonovich; IVANOV, B.N., inzh., red.; FREGER, D.P., red.
izd-va; GVIRTS, V.L., tekhn. red.

[Use of contactless relay components with semiconductor elements for the automatic control of pipe-cutting mills] Primenenie beskontaknykh releinykh elementov na poluprovodnikakh dlia avtomaticheskogo upravlenia trubootreznym stankom. Leningrad, 1961. 13 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seria; Pri-bory i elementy avtomatiki, no.6) (MIRA 14:7)
(Pipe cutting) (Automatic control)

MEKUL, A.

Economics

Propaganda article in the news agency press review of "Stalin's Russia," Moscow, and
"Komsomlets," Petrozavodsk v. Kol. Kuzn. 11, No. 1, 1953.

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

MERKUL, V. YE. , PHYSICIAN

CAND MED SCI

Dessertation: "Changes in the Electrocardiogram in a Case of Infarction of the Myocardium."

9 May 49

Second Moscow State Medical Inst imeni

I.V. Stalin.

SO Vecheryaya Moskva
Sum. 21

NERKUL V E

AL'PERIN P. M., BAGDASAROV A.A., GUREVICH I.B., LOGINOVA F.E., NERKUL V.E.,
CHUKANOVA Z.I., SHKURKO E.A., ZARKHIN I.M.

Sostoianie serdechno-sosudistoi sistemy i krovotvorenie pri gipertoni-
tonicheskoi bolezni. /Condition of the cardiovascular system
and hemopoiesis in hypertension/ Ter. arkh. 23:2 Mar-Apr 51
p. 13-26.

1. Professor Bagdasarov, Corresponding Member of the Academy of
Medical Sciences USSR. 2. Of the Hospital Therapeutic Clinic
(Director--Prof. A. A. Bagdasarov) of the Pediatric Faculty
of the Second Moscow Medical Institute imeni I. S. Stalin.
CLML Vol. 20, No. 10 Oct 1951

GOL'DMAN, L.N.; MERKUL', V.Ye.

Universal deviometer and significance of deviometry in determination of the functional state of the myocardium. Klin.med., Moskva 29 no.1:80-84 Jan 51. (GIML 20:5)

1. Of the Hospital Therapeutic Clinic (Head -- Prof.L.N.Gol'dman), Vitebsk Medical Institute, Vitebsk.

BAGDASAROV, A.A.;AL'PERIN, P.M.;GUREVICH, I.B.;LOGINOVA, F.I.;MERKUL, V.Ye.

Dynamics of cardiovascular changes in hypertension. Ter. arkh.,
Moskva 25 no.4:48-65 July-Aug 1953. (GLML 25:4)

1. Of the Hospital Therapeutic Clinic (Director --- Prof. A. A. Bagdasarov, Corresponding Member AMS USSR) of the Pediatric Faculty of Second Moscow Medical Institute imeni I. V. Stalin.

BAGDASAROV, A.A., professor; AL'PERIN, P.M., doktor meditsinskikh nauk;
MERKUL', V.Ye.

Perforating myocardial infarction. Terap.arkh.27 no.5:13-23 '55.
(MLRA 8:12)

1. Chlen-korrespondent AMN SSSR (for Bagdasarov). Iz gosital'-
noy terapevticheskoy kliniki (dir.--chlen-korrespondent AMN
SSSR prof. A.A.Bagdasov) pediatricheskogo fakul'teta II Moskov-
skogo meditsinskogo instituta imeni I.V.Stalina.
(MYOCARDIAL INFARCTION, complications,
perf.)

AL'PERIN, P.M., doktor med.nauk; GUREVICH, I.B.; DORNIKOVA, N.P.; LOGINOVA,
F.I.; MBRKUL', V.Ye.; RODINA, R.I.; SKACHILOVA, N.N.; TIKHONOVA, A.A.

Functional changes in hypertension following sleep therapy. Terap.
arkh. 29 no.11:58-68 N '57. (MIRA 11:2)

1. Iz gospi'tal'noy terapevticheskoy kliniki pediatricheskogo
fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova
i gemoterapevticheskoy kliniki Tsentral'nogl'ordena Lenina instituta
gematologii i perelivaniya krovi (dir. - chlen-korrespondent AMN
SSSR prof. A.A.Bagdasarov)

(HYPERTENSION, therapy,
sleep ther. (Rus))
(SLEEP, therapeutic use,
hypertension (Rus))

MERKULA, R.M.

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RM
A/T

LYUBOMILOV, V. I.; MERKULA, N. N.

Isomeric 2-ethylhexenols formed during 1-butanol condensation. Zhur. ob. khim. 33 no.1:22-27 '63. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut plastmass.

(Hexenol) (Butyl alcohol)

L 9975-65 EEO-2/FBD/FSF(h)/EWT(1)/EWG(v)/EEC-4/EEC(t)/EED-2 Pm-4/Pn-4 /
 Pe-5/Pq-4/Pac-4/Pae-2/Pi-4/Pj-4/Pk-4/Pl-4 SSD/BSD/AFWL/ASD(a)-5/AFETR/ESD(t)/
 ESD(gg) GI/NS/WR

ACCESSION NR: AP4046280

S/0203/64/004/065/0325/0831

AUTHOR: Merkulenko, V. Ye.

TITLE: Radar observation of the sun

SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 5, 1964, 825-831

B

TOPIC TAGS: sun, astronomy, radio astronomy, radio wave scattering, solar corona

ABSTRACT: One of the important factors determining the intensity of reflection of a signal in radar observations of the solar corona is the characteristic of distribution of nonhomogeneities of electron density as a function of radius. This paper is an analysis of the character of radio wave propagation in the corona at the time of radar observations from the earth's surface. The point of departure is an investigation of the intensity of the reflected signal on the inner surface of a sphere passed through the transmitting antenna and having a radius of ρ (see Fig. 1 of the Enclosure). In the first approximation it is assumed that the corona has a spherically symmetric structure and has no nonhomogeneities. The derived expression for the energy of the received signal has the form

$$P = \frac{GAP_0\sigma}{(4\pi)^2\rho^2}$$

(1)

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ACCESSION NR: AP4046280

where G is the directional coefficient of the transmitting antenna; A is the effective area of the receiving antenna; P_0 is the power of the transmitter. The density of signal strength in the area of the transmitting antenna as a result of reflection from a coronal element dS_1 is determined using the expression

$$I(a) = \frac{GP_0 \exp[-\tau_0(a)]}{4\pi r^2(a)} a \sin \frac{R(a)}{2} W(a) 2\pi h_1 da. \quad (2)$$

The expression for the received energy of a signal reflected from the entire corona assumes the form

$$E = \frac{GRP_0}{2\phi^2} \int_0^{A_0} \frac{a \exp[-\tau_0(a)]}{r(a)} \sin \left(\frac{R(a)}{2} \right) h_1 W(a) da. \quad (3)$$

where A_0 is the radius of the scattering cross section of the corona, determined experimentally. The author has also investigated the possibility of determining the statistical distribution function of nonhomogeneities, taking into account that the signal reflected from the corona has a Doppler profile. The expression for the frequency shift function associated with the Doppler effect is derived in the form

$$f_s = f_0 \pm \frac{2\Omega}{\lambda_0} (R_0^2 - a^2 \sin^2 \mu)^{1/2} \cos^2 \mu [R(a, \mu)]. \quad (4)$$

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L 9975-65

ACCESSION NR: AP4046280

The author wishes to thank V. M. Polyakov for interest in this work and comments, and L. S. Shklovskiy for suggesting the problem." Orig. art. has: 41 formulas and 2 figures. 3

ASSOCIATION: Institut zemnogo magnetizma, Ionosfery i rasprostraneniya radiovoln SO AN SSSR (Institute of Terrestrial Magnetism, the Ionosphere and Radio Wave Propagation, SO AN SSSR)

SUBMITTED: 01Nov63

ENCL: 01

SUB CODE: AA

NO REF SOV: 00

OTHER: 00

Card 3/4

MERKULENKO, V.Ye.

Radar contact with the sun. Geomag. i aer. 4 no.5:825-831 3-0
'64. (MIRA 17:11)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radio-
voln Sibirskogo otdeleniya AN SSSR.

MERKULESCU, D.

RUM/ELA/General Problems of Pathology - Tumors. Human Tumors. U.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 6389

Author : Restase, G., Speranteo, G., Karadol, M., Lazar, M.,
Kajane G., Merkulescu, D.

Last :

Title : Research on Certain Serum Anti-Hyaluronidases in Skin
Cancer.

Orig Pub : Ruynak. med. obotreniya, 1957, 1, No 2, 61-66

Abstract : No abstract.

Card 1/1

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^c
MERKULESKU, I., prof.

Organization of forensic accounting expertise in the Rumanian
People's Republic. Bukhg. uchet 15 no.5:69-71 My '58. (MIRA 11:5)

1. Bukharestskiy institut ekonomicheskikh nauk i planirovaniya
im. V.I. Lenina.

(Rumania--Accounting--Law)

L 43005-65 EWT(d)/EWT(l)/EWT(m)/EWP(w)/EWP(v)/T-2/EWP(k)/EWA(h) Pf-4/Feb
ACCESSION NR: AP5011480 EM UR/0029/65/000/G04/0024/0025

AUTHOR: Markilov, A. (Candidate of technical sciences) (Kuybyshev); ²⁶
Sheplyakov, V. (Engineer) (Kuybyshev) _B

TITLE: The Vikhr' is ready for flight [Newly designed Soviet one-man helicopter]

SOURCE: Tekhnika - molodazhi, no. 4, 1965, 24-25

TOPIC TAGS: helicopter, one man helicopter, helicopter design, ramjet driven helicopter, helicopter rotor bushing, helicopter rotor assembly, rotor root ²⁶

ABSTRACT: An independent helicopter-design bureau at the Kuybyshev Aviation Institute has designed a light one-man helicopter, the Vikhr', which is now ready for stand tests. The Vikhr' is equipped with rotor-end-mounted ramjets weighing 1.2 kg, developing 25 hp, and operating on kerosene. A 30-40 m/sec rotor peripheral velocity is necessary to start the ramjets. The length of each duraluminum rotor is 3 m, with a width of 140 mm. The tricycle landing gear's two rear wheels are equipped with shock absorbers and its front wheel is self-orienting.

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ACCESSION NR: AP5011480

The gas tank is under the seat and the throttle control is on the pilot's left. The helicopter's flight weight is 190 kg (pilot - 80 kg, fuel - 50 kg, and helicopter - 60 kg). The dynamic ceiling is 9000 m and the static ceiling is 5000 m. The Vikhr' flies at up to 100 km/hr and has a flight duration of 1 hr. The article stresses that an "autodynamic bushing" is used which provides for the hinged connection of the two rotors wherein the hinge's axis is 45° to the rotor axis. This "bushing" provides an automatic transition to a floating descent in the event of engine failure or shutdown. The article contains several detailed engineering drawings of the "bushing," rotor assembly, and rotor-blade cross sections. Orig. art. has: 5 figures. [LB]

ASSOCIATION: none .

SUBMITTED: 00

ENCL: 00

SUB CODE: AC

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3238

nee
Card 2/2

MERKULOV, A.

The diesel-electric ship "Lenin." Sov.mor. 17 no.15:7 Ag '57.
(MIRA 10:11)

(Shipbuilding)

MERKULOV, A.

Scouts of blue ways. Av. 1 kosm. 45 no.6:84-89 '62.
(MIRA 15:10)

(Airplanes--Flight testing)

MERKULOV, A.

High standards of labor are an important production potential.
Sots. trud 8 no.8:69-76 Ag '63. (MIRA 16:8)

1. Direktor Rostovskogo zavoda sel'skokhozyaystvennogo
mashinostroyeniya.
(Rostov--Agricultural machinery industry--Management)

MERKULOV, A., inz. (Moskva)

A page from the twenty year history of the Czechoslovak-Soviet cooperation. Tech praca 15 no. 12: 996-997 D '63.

MERKULOV, Andrey

Our heart is in orbit. Av. i kosm. 45 no.9:91-93 '62.
(MIRA 15:10)

(Nikolaev, Andriian Grigor'evich, 1929-)
(Popovich, Pavel Romanovich, 1930-)

MERKULOV, Audrey

Romantic attraction of high altitudes. Av.i kosm. 45 no.4:80-82
Ap '63. (MIRA 16:3)
(space flight)

MERKULOV, A.A.

AUTHOR: Merkulov, A.A., Engineer

11C-1-7/19

TITLE: Resistors of Manganin Micro-wire with Glass Insulation
(Soprotivleniya iz manganinovykh mikroprovodki v steklyannoy izolyatsii)

PERIODICAL: Vestnik Elektromyshlennosti, 1958, Vol.20, No.1, pp. 32 - 34 (USSR).

ABSTRACT: Fine wires used in the manufacture of resistors are from 3 - 10 μ diameter, with glass insulation of 2 to 4 μ . The breakdown voltage of the insulation is 1.5 to 2 kV. The resistance of a metre of wire may be more than 60 000 Ω . The length of wire on a spool can be up to 3 km. The design and manufacture of resistors from such wires is described. The formers are made either of glass or copper terminals sealed in, or of ceramic. A normal 10 megohm resistor is 8 mm diameter and 50 mm long. If the accuracy required is of the order of 1%, the final termination is made before ageing. If greater accuracy is required, the final adjustment is made after ageing. The resistors must be hermetically sealed to withstand humid atmospheres but some unsealed types are used in instrument manufacture. The temperature coefficient of the wire was studied. As shown in the graphs in Fig.1, the temperature curves of different

Card 1/2

110-1-7/19

Resistors of Manganin Micro-wire with Glass Insulation

lengths of fine wire from a given spool are consistent but, as shown in Table 1 and Fig.2, there may be appreciable differences between spools. The greatest temperature error is observed between + 20 and + 80 °C and the mean temperature coefficient is not more than 3×10^{-2} degrees⁻¹. As will be seen from Fig.3, the best resistors have much lower temperature errors than ordinary resistance coils. Those intended for use over a wide temperature range can be very largely compensated for temperature errors by series connection of appropriate lengths of fine iron wire, as is shown graphically in Fig.4. Six-month ageing tests were made on resistors with the results indicated in Tables 2 and 3. About 40% of the resistors changed less than 0.001%. The resistors are very little affected by transport, vibration, moisture and cold. They are quite suitable for use in high-accuracy instruments. Resistance boxes of 10, 100 and even 1 000 megohms have been produced without difficulty. There are 3 tables, 4 figures.

ASSOCIATION: VNII EP

SUBMITTED: June 24, 1957

AVAILABLE: Library of Congress
Card 2/2

KRASIKOVA, T.M.; MERKULOV, A.A.; PANKRATOV, G F.

High-resistance microwire measuring resistance coils. Izv. tekhn.
no.1:43-45 Ja '62. (MIRA 14:12)
(Electric measurements)

RABINER, N.Ya., kandidat tekhnicheskikh nauk.; MERKULOV, A.A., starshiy nauchnyy
sotrudnik.

Universal vegetable cutter. Ref. nauch. rab. VNIKOP no.3:6-9 '55.
(Canning and preserving--Apparatus and supplies) (MIRA 9:11)

MERKULOV, A.A., starshiy nauchnyy sotrudnik.

Combined continuous refrigerator and sulfitation apparatus for
puréed foods. Ref. nauch. rab. VNIKOP no.3:50-54 '55. (MLRA 9:11)
(Refrigeration and refrigerating machinery)
(Canning and preserving)

REYSLER, Yu. V.; MERKULOV, A.A.

Operating conditions for pea hullers. Kons. i ov. prom. 12 no.3:
35-37 Nr '57. (MLRA 10:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti (for Reysler). 2. Krasnodarskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta konservnoy i ovoshchesushil'noy promyshlennosti (for Merkulov).
(Peas) (Agricultural machinery)

MERKULOV, A.A.

Prolonging the delivery period for cherries and apricots at the
Melitopol' Canning Factory. Kons. i ov.prom. 12 no.7:32-34 JI '57.

(MIRA 12:4)

1. Melitopol'skiy konservnyy zavod.
(Melitopol' District--Fruit culture)

MERKULOV, A.A.

Mechanizing the cleaning and stuffing of vegetables in producing
canned vegetables. Biul.tekh.-ekon.inform. no.11:56-57 ' 58.

(MIRA 11:12)

(Vegetables, Canned)

MERKULOV, A.A.

Irradiation of cherries and apricots with ultraviolet rays. Kons.
1 ov. prom. 13 no.6:37-38 Je '58. (MIRA 11:5)

1. Zagotovitel'naya kontora Melitopol'skogo raypotrebsoyuza.
(Cherries--Preservation) (Apricots--Preservation)

MERKULOV, A.A.

Preservation of intermediate fruit products. Biul.tekh.-
ekon.inform. no.8:56-57 '59. (MIRA 13:1)
(Canning and preserving)

MERKULOV, A.A.

Experience in the operation of equipment of pea-threshing
stations. Kons. i ov. prom. 14 no.5:36-39 My '59.
(MIRA 12:6)

1. Krasnodarskiy nauchno-issledovatel'skiy institut pishchevoy promyshlen-
nosti.

(Threshing machines) (Peas)
(Peas--Harvesting)

MERKULOV, Aleksey Aleksandrovich; LELYAKOVA, I., red.; MOLCHANOVA, T.,
tekhn. red.

[Grow mushrooms] Vyrashchivaite shampiny. Odessa, Odesskoe
knizhnoe izd-vo, 1960. 31 p. (MIRA 15:6)
(Mushroom culture)

MERKULOV, A.A.

Cherry fruit fly. Zashch. rast. ot vred. i bol. 8 no.7:53 J1 '63.
(MIRA 16:9)

1. Melitopol'skoye proizvodstvennoye upravleniye.

ACC NR: AP6033469

SOURCE CODE: UR/0413/66/000/018/0056/0056

INVENTOR: Bichel', V. V.; Merkulov, A. A.; Pozdnyakov, L. P.

ORG: None

TITLE: A bent dipole antenna with a counterweight. Class 21, No. 185971

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 56

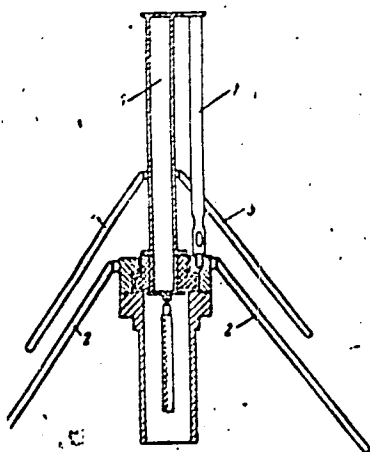
TOPIC TAGS: dipole antenna, bandwidth expansion

ABSTRACT: This Author's Certificate introduces a bent dipole antenna with a counterweight. The unit consists of an asymmetric bent dipole equipped on the lower end with a quarter-wave inclined multiple-rod counterweight. The working frequency band is expanded by connecting a second counterweight to the supply rod made up of rods tuned to the upper limit of the frequency range.

Card 1/2

JDC; 621.396.673

ACC NR: AP6033469



1--loop; 2 and 3--counterweights

SUB CODE: 09/ SUBM DATE: 29Jul63

Card 2/2

MEKULOV, A.D., inzhener (stantsiya Koroshnaya).

Strengthen cost accounting in railroad departments. Zhel.dor.transp.
39 no.7:79 J1 '57. (MLRA 10:8)
(Railroads--Accounts, Bookkeeping, etc.)

DYMARSKIY, Ya.S., inzhener-kapitan 3-go ranga, kand. tekhn. nauk; MERKULOV,
A.D., inzh.

Methods of optimal distribution of homogeneous forces and means.
Mor. sbor. 47 no.1:30-37 Ja '64. (MIRA 18:7)

DYMARSKIY, Ya.S., inzhener-kapitan 3-go ranga, kand. tekhn. nauk;
MERKULOV, A.D., inzh.

Methods of optimal distribution of inhomogeneous forces and
means. Mor. sbor. 47 no.8:2-34. Ag '64.

(MIRA 18:7)

SOV/84-58-9-18/51

AUTHOR: Merkulov, Andrey G.

TITLE: Masters of the Arctic (Khozyayeva Arktiki)

PERIODICAL: Grazhdanskaya aviatsiya, 1958,¹⁵₁ Nr 9 pp 13-14 (USSR)

ABSTRACT: This is a narrative of a flight from an unidentified point in Northeastern Siberia over Vrangeli Island to the SP-7 drifting station. The author eulogizes the heroism, self-sacrifice, and endurance of polar pilots and the men of the drifting stations. Two photographs accompany the story.

Card 1/1

MERKULOV, A. G.

"Is the Mechanism of Bulbocapnine Catalepsy Central or Peripheral?" Trudy Inst. Evolut. Fiz. i Patolog. Nerv. Deyatel. im. Pavlov, No 1, pp 365-368, 1947

Translation - M-242, 7 Mar 55

MERKULOV, A. G.

MERKULOV, A. G. -- "The Synthesis of Variable Equalizers." Min Communications USSR. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

So: Knizhnaya letopis', No 8, 1956, pp 97-103

BORODZYUK, G.G.; STEPANOV, G.N.; DRIATSKIY, N.M.; IONTOV, L.Ye.; KOVALEV,
S.M.; BLOKHIN, A.S.; DVORTSOV, L.D.; LUGOVSKOY, N.Ye.; MERKULOV,
A.G.; SMIRNOV, B.P.; ROGIENSKIY, E.M.; BALAN-II'YEVSKAYA, I.A.;
IZRAILIT, S.G.; GRANAT, M.B.; ZARIN, S.A., otv.red.; FEDOROVSKAYA,
L.N., red.; MARKOCH, K.G., tekhn.red.

[Multichannel apparatus for high-voltage telephony on overhead
lines and cables] Mnogokanal'naya apparatura vysokochastotnogo
telefonirovaniya po vozdushnym i kabel'nym liniyam svyazi. Moskva,
Gos.izd-vo lit-ry po voprosam svyazi i radio, 1959. 511 p.

(MIRA 14:1)

(Telephone--Equipment and supplies)

PHASE I BOOK EXPLOITATION SOV/4075

Merkulov, Aleksey Grigor'yevich

Peremennyye vyravnivateli (Variable Equalizers). Moscow, Svyaz'-izdat, 1960. 67 p. (Series: Lektsii po tekhnike svyazi) 8,650 copies printed.

Sponsoring Agency: USSR. Ministerstvo svyazi. Tekhnicheskoye upravleniye.

Resp. Ed.: I.V. Vakula; Ed.: M.M. Ryazantseva; Tech. Ed.: K.G. Markoch.

PURPOSE: This booklet is intended for engineers and technicians engaged in development, adjustment, and operation of long-distance communication systems. It may also be useful to students of graduate courses in electrotechnical communications institutes.

COVERAGE: The author describes the results of research on variable equalizers with rheostat control used in long-distance radio

Card ~~1/4~~

Variable Equalizers

SOV/4075

communication equipment. The book also presents methods of equalizer design. No personalities are mentioned. There are 7 references: 4 Soviet and 3 English.

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| Card 2/4 | |

SINAYSKIY, N.A., inzh.; MERKULOV, A.G., inzh.; SHARLOVSKAYA, M.S., kand.
tekhn. nauk

Results of a roentgenographic analysis of power fuel ashes.
Teploenergetika 11 no.12:65 D '64 (MIRA 18:2)

1. Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya
AN SSSR.

МЕРКУЛОВ, А.И.

Drill (Agricultural Implement)

Increasing the life of sowing machinery. Sel'khoz mashina no. 5, 1952.

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

ZATONSKIY, A.S.; TARNOPOL'SKIY, G.M.; LARIONENKO, H.A.; OSTROUMOV, A.V.;
ZAKHAR'YANTS, V.M.; YAKOVLEV, G.P.; LOBANOV, T.F.; KUZNETSOV, P.T.;
MERKULOV, A.I.

Maximum satisfaction of the needs of the population is the most important duty of communication workers. Vest.svyazi 14 no.2:23-25 F '54.
(MLRA 7:5)

1. Nachal'nik otdela pochtovoy svyazi (for Zatonskiy). 2. Nachal'nik otdela vnutrirayonney svyazi (for Tarnopol'skiy). 3. Zamestitel' nachal'nika telefonno-telegrafnogo otdela (Larionenko). 4. Nachal'nik telegrafa (for Ostroumov). 5. Nachal'nik pochtamta (for Zakhar'yants). 6. Nachal'nik meshdugorednoy telefonnoy stantsii (for Yakovlev). 7. Glavnyy inzhener oblastnogo upravleniya svyazi (for Lobanov). 8. Zamestitel' nachal'nika oblastnogo upravleniya svyazi (Kuznetsov). 9. Nachal'nik oblastnogo upravleniya svyazi (for Merkulov).
(Telecommunication)

MERKULOV, Aleksandr Ivanovich; SHAYTOR, Petr Seliverstovich; SHTENGER, N.V.,
redaktor; SIDEL'NIKOVA, L.A., redaktor izdatel'stva; SHITS, V.P.,
tekhnicheskii redaktor

[The salvaging department in a woodworking enterprise; experience of
the Volodarskii Spool Factory] Tsekh shirпотреба na derevoobrabaty-
vainschem predpriatii; opyt katushechnoi fabriki imeni Volodarskogo.
Moskva, Goslesbumizdat, 1956. 40 p. (MLRA 9:12)
(Woodworking industries)

MERKULOV, A. M.

Finite sets and natural numbers. Uch. zap. Volg. gos. ped.
inst. no.11:171-179 '59. (MIRA 16:1)

(Aggregates) (Numbers, Theory of)

MEKULOV, A. M.

Drill (Agricultural Implement)

Work results of the "Krasnaia Zvezda" Factory in carrying out pledges given to Comrade Stalin. Sel'khoz mashina no. 4, 1952.

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

MERKULOV, A.M., direktor zavoda.

Machines of the "Krasnaia zvezda" Plant at the All-union Agricultural Exhibition. Sel-khozmashina no.9:9-12 S '54. (MLRA 7:9)
(Drill (Agricultural implement))

MERKULOV, A.M.

Ways of lowering the manufacturing cost of the threshing mechanism
and the axle of the SK-3 self-propelled combine. Trakt. i sel'khoz mash.
30 no.9:44-45 S '60. (MIRA 13:9)

1. Direktor Taganrogskogo kombaynovogo zavoda.
(Combines (Agricultural machinery))

MERKULOV, A.M.

Carrying out the seven-year plan. Mashinostroitel' no.8:3 Ag '61.
(MIRA 14:7)

1. Direktor Taganrogskogo kombaynovogo zavoda.
(Taganrog--Combines (Agricultural machinery))

MERKULOV, A.M.

For further development in the building of combines. Trak. i
sel'khoz mash. 31 no.11:37-39 N '61. (MIRA 14:12)

1. Direktor Taganrogskego kombaynovogo zavoda.
(Combines(Agricultural machinery))

MERKULOV, A.M.

Achievements of combine manufacturers in Rostov-on-Don. Mashinostroitel'
no.1:4-5 Ja '64. (MIRA 17:2)

1. Direktor Rostovskogo zavoda sel'skokhozyaystvennogo mashinostroyeniya.

MERKULOV, A.M., laureat Leninskoy premii

Mechanization and automation is a road to a perfect organization
of production. Mashinostroitel' no.2:1-4 F '65.

(MIRA 18+3)

1. Direktor Rostovskogo zavoda sel'skokhozyaystvennogo
mashinostroyeniya.

ZONSHAYN, Semen Iosifovich; MERKULOV, A.P., redaktor, inzhener; PEROVA,
I.A., redaktor; MYASISHCHEV, V.M., professor, retsenzent; FOMIN, N.A.,
dotsent, kandidat tekhnicheskikh nauk, retsenzent, MANUCHAROV, V.A.,
inzhener, retsenzent; GLADKIKH, N.N., tekhnicheskii redaktor

[Aerodynamics and construction of an airplane] Aerodinamika i kon-
struktsiia samoleta. Moskva, Gos. izd-vo obor. promyshl., 1955. 243 p.
(Airplanes--Design and construction) (MIRA 9:2)

MERKULOV, A.P.

Merkulov, A.P.

4
11/21/41

✓ 1788. Merkulov, A. P. Investigation of a turbulent-flow cooler
(in Russian), (thesis) Moscow Aviation Inst., Moscow, 1950; Ref.
Zh. Mekh. no. 11, 1950; Rev. 7580.

Courtesy Referativnyi Zhurnal, USSR
Translation, courtesy Ministry of Supply, England

11

11

MERKULOV, A.P.

Investigating vortex tubes. Zhur.tekh.fiz.26 no.6:1271-1276
Je '56. (Vortex tube) (STRA 9:9)

MERKULOV, A. P.

Investigation of a Vortex Tube. A. P. Merkulov. *Soviet Physics - Tech. Phys.* 1957, pp. 1,243-1,248. Translation. Experiments to find the optimum length of a counter-flow vortex tube with a diameter of 33 mm, and to determine the influence of various distinct factors on its operation.

2
17-4F1

RU
MT

MERKULOV, A., inzh.

Characteristics and calculation of the vortex refrigerator. Khol.
tekhn. 35 no. 3:31-36 My-Je '58. (MIRA 21:7)

1. Kyybyshevskiy aviatsionnyy institut.
(Refrigeration and refrigerating machinery)