USSR/Diseases of Farm Animals. General Problems.

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12223

Author : Makkaveyev, B.V., Ploskiy, V. P.
Inst : Odessa Farm Institute
Title : Intraarterial Tracts in Horses Suitable for Administering Medicinal and Narcotic Substances.

Orig Pub: Tr. Odessk. s.-kh. in-ta, 1955, 7, 185-190.

Abstract: A discussion is made of the efficacy and velocity of the effect of intraarterial injection of sulfamide preparations, such as penicillin, rivanol, and others in acute purulent processes of the head and extremity regions. The following arteries were used for injections: the large metacarpal, the middle and dorsal metatarsal, and the common carotid. Intraarterial (intracarotidic) barbiturate narcosis required 1.5-2 times

Card : 1/2

MAKKAVEYEV, B.V., kand.veterinarnykh nauk

Horse serum as a tissue preparation. Veterinariia 39 no.1:59-61 Ja '63. (MIRA 16:6)

1. Odesskiy sel'skokhozyaystvennyy institut.
(Serum) (Veterinary materia medica and pharmacy)
(Wounds--Treatment)

KAVUNOV, Petr Aleksandrovich; MAKKAVEYEV, M., red.; MAKKAVEYEV,M., red.; MOKROUSOVA, A., tekhn. red.

[Cities of Saratov Province] Goroda Saratovskoi oblasti. Izd.2., dop. i perer. Saratov, Saratovskoe knizhnoe izd-vo, 1963. 210 p. (MIRA 17:2)

ANDREYEV, D.Ya.; [illegible], A.L.; VOLKOVA, L.I.; [illegible], M.V.

[illegible] economic effectiveness of capital investments in the production, gathering, and refinement of petroleum gas. Gaz. delo no.4:3-11 '65. MIRA 18:8

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika I.M. Gubkina.

MAKKAVEYEV, N., prof.; CHALOV, R., inzh.

Methods of improving navigation conditions on the Ob' River.
Rech. transp. 22 no.9:45-47 S '63. (MIRA 16:10)

MAKKAVEYEV, N., doktor geograf. nauk

Useful book. Rech. transp. 22 no.10:62-63 O '63. (MIRA 16:12)

PA 162T52

USSR/Hydrology - Sedimentation Jul/Aug 48
Harbors

"Regressive Re-Formation of River Islands," N. I. Makkaveyev

"Meteorol i Gidrol" No 3, pp 44-50

Discusses several cases in which, along with displacement of bifurcation nodes downwards along current, opposite type of phenomena occurs, i.e., several bifurcation nodes re-form regressively. In these cases, tip of individual island grows and bifurcation point "swims" upward along river. Diagrams show growth of Golodnyy and Denezhnyy

162T52

MAKKAVEYEV, N. I.

USSR/Hydrology - Sedimentation Jul/Aug 48
(Contd)

islands in the Volga River. Steadily increasing accumulation of sands in approach to harbor of Stalingrad Ship Repair Plant necessitates yearly dredging of 200,000 cu m. Submitted 7 Apr 47.

162T52

MAKKAVEYEV, N. I.

MAKKAVEYEV, N. I. "The location survey of openings," In the symposium: Materialy tekhn. soveshchaniy po putevym rabotam (M-vo rech. flota SSSR), Moscow, 1949, p. 109-112

SO: U-5240, 17Dec53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

MAKKAVEYEV, N. T.

"Peculiarities in the Formation of the River Bed in the Lower Parts of Lowland Rivers," Problemy Fizicheskoy Geofrafii (Problems of Physical Geography), Vol. 16, Symposium, Moscow, 1951.

U-1483, 25 Sept 51

[illegible], A. I.

"Research on Congestion in Coves," Collected Works of MOTSNIIRF M., 1951.

U-1886, 29 April 52

MAKKAVEYEV, N. I.

"Erosional Accumulative Processes and Relief of the Bed of a River." Dr Geog Sci, Inst of Geography, Acad Sci USSR, Moscow, 1954. (RZhGeol, No 1, 1955)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

MAKKAVEYEV, N.I.; AVSYUK, G.A., doktor geograficheskikh nauk, redaktor; SAMOYLOV, I.V., doktor geograficheskikh nauk, redaktor; MARKOV, V.Ya., redaktor; SHEVCHENKO, G.N., tekhnicheskiy redaktor.

[River channel and erosion in its basin] Ruslo reki i eroziia v ee basseine. Moskva, Izd-vo Akademii nauk SSSR, 1955. 345 p.
(Rivers) (Erosion) (MLRA 8:10)

USSR/Geophysics - Geography of Rivers

FD-1690

Card 1/1 : Pub. 129-15/25

Author : Makkaveyev, N. I.; Kapitsa, A. P.; and Khmeleva, N. V.

Title : Experimental investigation of the processes governing the development of the longitudinal profile of a river (preliminary account)

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, Vol. 10, 139-152, Feb 1955

Abstract : The author attempts to establish the influence, upon the development of the longitudinal profile and upon the formation of terraces of river valleys, of variations of saturation of streams by alluvia; to investigate the peculiarities of the variations for fluctuations of the principal basis of erosion of a river system and the form of the terraces occurring under these conditions; and to determine the nature of the influence upon the longitudinal profile of reservoirs constructed in the middle reaches of the river. No references.

Periodical : Chair of Geomorphology

Submitted : October 26, 1954

MAKKAVEYEV, N. I. - МАККАВЕЕВ, Н. И.

"The Stream Bed and Basin Erosion," Publ. House Acad. Sci. USSR, M., 1955.

ZHILIN, V.K., otvetstvennyy za vypusk; DOMANEVSKIY, N.A., kandidat tekhnicheskikh nauk, nauchnyy redaktor; MAKKAVEYEV, N.I., professor, doktor geograficheskikh nauk, nauchnyy redaktor; KRASHAYA, A.K., tekhnicheskiy redaktor

[River channel work] Putevye raboty na rekakh. Moskva, Izd-vo "Rechnoi transport," 1956. 89 p. (MIRA 9:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta.
(Rivers) (Hydraulic engineering)

DOMANEVSKIY, N.A.; LOSIYEVSKIY, A.I.; MAKKAVEYEV, N.I.; MATLIN, G.M.; RZHANITSYN, N.A.; AZROVA, A.G., redaktor.; BEGICHEVA, M.N., tekhnicheskiy redaktor.

[Channel processes and improvement of the navigable course in open-channel rivers.] Ruslovye protsessy i putevye raboty. Moskva, Izd-vo "Rechnoi transport, "1956. 458 p. (Moscow. Tsentral'nyi nauchno-issledovatel'skii institut ekonomiki i ekspluatatsii vodnogo transporta. Trudy, no.8). (MLRA 9:11)
(Rivers--Regulation) (Dredging)

124-58-9-9861

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 56 (USSR)

AUTHOR: Makkaveyev, N. I.

TITLE: River-bed Processes and Grading Operations in the Tailwater Areas of Hydraulic Works (Ruslovyye protsessy i putevyye raboty v nizhnikh b'yefakh gidrouzlov)

PERIODICAL: Tr. Tsentr. n.-i. in-ta ekon. i ekspluat. vodn. transp., 1957, Nr. 12, pp 5-86

ABSTRACT: Presentation of the results of river-bed investigations and grading operations during 1954 and 1955 in the tailwater areas of hydraulic works on the upper Volga, the Don, and the lower Dnepr, which were performed by the author with collaboration by A. V. Serebryakov, G. F. Fedorov, N. A. Domanevskiy, T. A. Drobnis, and A. M. Kurochkin. Data are shown on the changes in hydrological regimen in the tailwater area (redistribution of discharge rates, run-off of sediments, and influence on the water level of a controlled release of water through a dam for the purpose of raising an otherwise inadequate depth in a tail-water shipping channel) and on the peculiarities of river-bed regimes (bottom erosion and attendant lowering of the water

Card 1/2

124-58-9-9861

River-bed Processes and Grading Operations (cont)

level, new river-bed formations). It is noted that certain types of sandbars, formed wherever a river is subjected to appreciable changes in cross section, may be improved under favorable conditions. Data are adduced on the unfavorable influence on a river-bed regime exerted by increased hibernal discharge rates. Also examined are the changes occurring as a result of the passing of flood crests from tributaries.

V. N. Goncharov

1. Inland waterways--Analysis 2. Hydrology--USSR 3. River currents

Card 2/2

GELLER, S.Yu.; MAKKAVEYEV, N.I.

Conference on Geomorphological Problems. Izv.AN SSSR.Ser.geog. no.5:141-144 S-O '58. (MIRA 11:12)
(Geographical research)

MAKKAVEYEV, N.I.; KHMELEVA, N.V.

Result of laboratory analyses of the silting process in reservoirs; summary of the report. Trudy Lab. ozeroved. 7:91 '58. (MIRA 11:10)

1.Moskovskiy gosudarstvennyy universitet.
(Reservoirs) (Silt--Analysis)

MAKKAVEYEV, N.I., doktor tekhn.nauk, prof.; LAPTEV, M.I., inzh.

Various channel improvement operations in unregulated rivers. Proizv.-tekh. sbor. no.2:87-104 '59. (MIRA 13:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta.
(Rivers--Regulation) (Dredging)

MAKKAVEYEV, N., prof.

Choosing temporary channels in straightening out rivers with unstable channels. Rech. transp. 19 no.3:39-42 Mr '60. (MIRA 14:5)
(Rivers—Regulation)

MAKKAVEYEV, N.I., prof.; KHMELEVA, N.V.; ZAITOV, I.R.; LEBEDEVA, N.V.; MEDVEDEV, V.S.; LAZAREVA, L.V., tekhn. red.

[Experimental geomorphology] Eksperimental'naia geomorfologiia. By N.I.Makkaveev i dr. Moskva, Izd-vo Mosk. univ., 1961. 193 p. (MIRA 15:1)

(Geological research)

MAKKAVEYEV, N.I.; KHMELEVA, N.V.

Laboratory studies on the influence of tectonic movements on river valley formation. Izv. AN SSSR. Ser. geog. no. 4:110-117 Jl-Ag '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Geology, Structural) (Valleys)

MAKKAVEYEV, N., prof.; RAYNOV, V., inzh.; KOSARSKIY, P., inzh.

Laboratory investigation of channel-formating processes at river bends. Rech. transp. 20 no.11:29-31 N '61. (MIRA 15:1)
(Hydraulic models)
(Rivers—Models)

MAKKAVEYEV, N.I.; OSTANIN, V.Ye.; SAKHAROVA, Ye.I.

Geomorphological studies on which to base plans for improving the navigable conditions of rivers; experience of the Northern Dvina expedition of the Geography Department of Moscow University. Vop.geog. no.52:100-104 '61. (MIRA 14:6)
(Rivers—Regulation)

MAKKAVEYEV, N.I.

New development in the theory of the lingitudinal profile of rivers. Izv. AN SSSR. Ser.geog. no.6:119-121 N-D '62. (MIRA 15:12)

(Rivers)

MAKKAVEYEV, N.I.; CHALOV, R.S.

Morphological indications of current accumulations in a river valley. Izv. AN SSSR. Ser. geog. no.3:84-89 My-Je '63. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Ob' Valley--Alluvium)

DEVDARIANI, Anatoliy Seitovich; MAKKAVEYEV, N.I., doktor geogr. nauk, otv. red.; ZOLOTOV, P.F., red.izd-va; TIKHOMIROVA, S.G., tekhn. red.

[Measurement of the movements of the earth's surface] Izmerenie peremeshchenii zemnoi poverkhnosti. Moskva, Izd-vo "Nauka," 1964. 243 p. (MIRA 17:3)

MAKKAVEYEV, N.I.; CHALOV, R.S.

Surface relief development of river terraces and the symptoms of river bed erosion; based on the example of the upper Ob'. Izv. AN SSSR Ser. geog. no.4:120-125 '64 (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet.

MAKKAVEYEV, N.I., prof.; LAPTEV, M.I.; MITYAKOVA, M.N.; KONDRAKHOVA, Ye.I.; SHANKIN, P.A.; RZHANITSYN, N.A.; RABKOVA, Ye.K.; VYKHLOV, K.P.; CHALOV, R.S.

[Planning the navigable channels of unregulated rivers.] Proektirovanie sudovykh khodov na svobodnykh rekakh. Moskva, Transport, 1964. 261 p. (Moscow. TSentral'nyi nauchno-issledovatel'skii institut ekonomiki i ekspluatatsii vodnogo transporta. Trudy, no. 36). (MIRA 18:12)

MAKKAVEYEV, P.A.

MAKKAVEYEV, Pavel Alekseyevich; VYAZOV, Ye.I., redaktor; GLEYKH, D.A., tekhnicheskiy redaktor

[Uyedineniye Island] Ostrov Uedineniia. Moskva, Gos. izd-vo geogr. lit-ry, 1957. 102 p. (MLRA 10:5)
(Uyedineniye Island)

MAKKAVEYEV, V.A.; BEL'TYUKOV, V.I., kandidat pedagogicheskikh nauk, redaktor; NOVIKOV, Ya.A., redaktor; SHIKIN, S.T., tekhnicheskiy redaktor.

[Instructions for the use of sound amplifying apparatus in schools for deaf mutes and the hard of hearing] Rukovodstvo po ispol'zovaniiu zvukousilivaiushchei apparatury v shkolakh dlia glukhonemykh i tugoukhikh detei. Pod red. V.I.Bel'tiukova. Moskva, Ges. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1955. 63 p. (MLRA 9:5)
(Hearing aids)

29623
S/142/61/004/003/004/016
E192/E382

9,2572 (1159)

AUTHORS: Vinokurov, V.I. and Makkaveyev, V.I.

TITLE: Distributed parametric amplifier with losses

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 4, no. 3, 1961, pp. 270 - 279

TEXT: Analysis of distributed parametric amplifiers (Ref. 1 - P.K. Tien, J. Appl. Phys., 1958, 29, no. 9, 1347; Ref. 2 - G.M. Roe, M.R. Boyd - PIRE, 1959, 47, no. 7, 1213; Ref. 3 - K. Kurokawa, T. Hamasaki - IRE Trans., 1959, MTT-7, no. 3, 260) is usually based on the assumption that the non-linear capacitances and the line elements of the amplifier are lossless. In the following, an attempt is made, therefore, to include the losses of these elements in the analysis of the system leading to the evaluation of its gain parameters. The equivalent circuit of the system is illustrated in Fig. 1, where all the stages are identical.. The resistances R and r take into account the losses in the inductance coils and the non-linear capacitances of the diodes. C_1 is the stray capacitance of a coil and C is the voltage-dependent capacitance of the

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diode. The individual cells of the line containing the non-linear capacitance can be regarded as a system with variable parameters which are functions of time and are independent of signal. In this case, the phenomena in the circuit can be described by linear differential equations with variable coefficients. The solution of the system of equations can be in the form of a super-position of waves which can exist in such a system. The differential equation relating the voltages at three nodes of the line of the amplifier is in the form:

$$rC_1\frac{d^2(U_{m+1}-2U_m+U_{m-1})}{dt^2}+\left(\frac{r}{R}+\frac{C_1}{C_-}\right)\cdot\frac{d(U_{m+1}-2U_m+U_{m-1})}{dt}+$$

$$+(U_{m+1}-2U_m+U_{m-1})\left(\frac{r}{L}+\frac{1}{RC_-}\right)+ \qquad (4)$$

$$+\frac{1}{LC_-}\int(U_{m+1}-2U_m+U_{m-1})dt-\frac{dU_m}{dt}=0. \qquad (4)$$

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The dependence of the capacitance on time is a periodic function and can be expressed in terms of a Fourier series. Only the first few harmonics of this series are of importance and these are expressed by:

$$C(m, t) = C_0 [1 + \xi \cdot \cos(\omega t - m\beta)] = C_0 + C'(m) \cdot e^{j\omega t} + C^*(m) \cdot e^{-j\omega t} = C_0 \cdot \left| 1 + \frac{1}{2} \xi e^{j(\omega t - m\beta)} + \frac{1}{2} \xi e^{-j(\omega t - m\beta)} \right|. \quad (5)$$

where C(m, t) is the time-dependent capacitance of the m-th cell of the line,
C_o is the average capacitance of a diode,
ξ is the modulation parameter of the capacitance,
ω is the pumping frequency, and
β is the phase-shift of the pump voltage per stage.
The other parameters of Eq. (5) are defined by:

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$$C(m) = 0.5C_0\xi e^{-j\beta m}; \quad C^*(m) = 0.5C_{0\xi} e^{j\beta m} \qquad (6).$$

By assuming that the higher frequencies are rapidly attenuated in the transmission line of the amplifier, the solution of Eq. (4) can be represented in the form:

$$U_m = U_1(m)\cdot e^{-j\omega_1 t} + U_1^*(m)e^{-j\omega_1 t} + U_2(m)e^{j\omega_1 t} + U_2^*(m)e^{-j\omega_1 t}, \qquad (8)$$

where $\omega_2 = \omega - \omega_{-1}$; ω_1 is the signal frequency and $U_i(m)$ are the complex voltage amplitudes in the line. Eq. (8) neglects not only the combination frequencies such as $\omega + \omega_1$ but also the higher harmonics of the signal frequency. By substituting the solution of Eq. (8) into Eq. (4), it is possible to obtain two equations for determining the complex amplitude of the voltages. The gain of a stage of the amplifier is

defined by: $K = e^{\delta}$ (15) .

The parameter δ in this equation can be expressed by:

$$\delta = \frac{a + jb}{c + jd} = p + jq \qquad (21)$$

where p represents the real component of the transfer coefficient of the system. By considering the solution given by Eq. (8), it is shown that the real component of δ is expressed by:

$$p = \frac{\frac{1}{4}\xi^2 C_0^2 [(\omega_1\omega_2 r C_0)^2 + \omega_1\omega_2] - (\omega_1 \omega_2^2 C_0^2 r)^2}{2 \cdot \sin\beta_1 \cdot \omega_2^2 C_0^2 r \cdot \left(\frac{1}{\omega_1 L} - \omega_1 C_1\right) + 2\sin\beta_2 \cdot \omega_1^2 C_0^2 \cdot r \left(\frac{1}{\omega L} - \omega_2 C_1\right)} . \qquad (22)$$

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where $\sin \beta_1$ and $\sin \beta_2$ can be determined from:

$$\cos \beta_i = 1 - \frac{\omega_i C_o}{2\left(\frac{1}{\omega_i L} - \omega_i C_1\right)} \qquad (12) .$$

Eq. (22) is valid for the case when the losses in the inductances are small compared with the losses in the non-linear capacitances. From Eq. (22), it is seen that if the capacitances are constant, the parameter p is smaller than zero and in this case the wave is attenuated. The amplification can be obtained if the numerator and denominator of Eq. (22) have the same sign. The denominator of Eq. (22) is positive if the following relationships are met:

$$\frac{1}{\omega_1 L} > \omega_1 C_1; \quad \frac{1}{\omega_2 L} > \omega_2 C_1 \qquad (23) .$$

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Consequently, parametric amplification is possible if the numerator of Eq. (22) is greater than 0 or:

$$\zeta^2 > \frac{(2\omega_1\omega_2 C_o^2 r)^2}{(\omega_1\omega_2 r C_o^2)^2 + \omega_1\omega_2 C_o^2} = \frac{4\omega_1\omega_2 C_o^2 r^2}{\omega_1\omega_2 r^2 C_o^2 + 1} \qquad (24).$$

The influence of the losses on the characteristics of a parametric amplifier were investigated on a specially constructed model which operated at frequencies between 10 and 150 Mc/s. The system employed 5 cells based on diodes, type Д2Г (D2G), whose parameters satisfied Eqs. (23). The cut-off frequency of the line was 170 Mc/s and the driver or pump frequency was 150 Mc/s. For this particular amplifier, the gain coefficient could be expressed by:

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$$p \approx \frac{1}{8} \xi^2 \frac{1}{r} \omega_1 \omega_2 \cdot \frac{1}{\sin\beta_1 \omega_2^2 \cdot \left(\frac{1}{\omega_1 L} - \omega_1 C_1\right) + \sin\beta_2 \cdot \omega_1^2 \cdot \left(\frac{1}{\omega_2 L} - \omega_2 C_1\right)} \qquad (28) .$$

The experimental and calculated gain characteristics are illustrated in Figs. 3; the experimental points are indicated by crosses. The graphs of Fig. 3a are taken for the following values of m : 1) m = 12; 2) m = 11; 3) m = 8 and 4) m = 5 ; the graphs of Fig. 3б were calculated for m = 11 , while the values of r varied as: 1) r = 0.36 Ω ; 2) r = 4 Ω; 3) r = 5.7 Ω and 4) r = 10 Ω . By comparing the calculated and experimental results, it is seen that the agreement between experiment and theory is satisfactory. There are 5 figures and 4 references: 1 Soviet-bloc and 3 non-Soviet-bloc. The three English-language references are quoted in the text.

Card 8/10

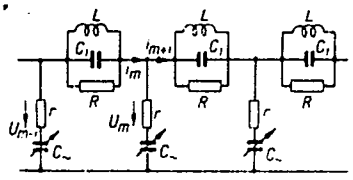
29623
S/142/61/004/003/004/016

Distributed parametric amplifier E192/E382

ASSOCIATION: Kafedra teoreticheskikh osnov radiotekhniki Leningradskogo elektrotekhnicheskogo instituta im. V.I. Ul'yanova (Lenina) Department of Theoretical Principles of Radio-engineering of Leningrad Electrotechnical Insitute im. V.I. Ul'yanov (Lenin)

SUBMITTED: July 13, 1960

Fig. 1:



Card 9/10 9

ACCESSION NR: AT4017555 S/3074/62/000/047/0063/0072

AUTHOR: Vinokurov, V. I. (Candidate of Technical Sciences, Docent); Makkaveyev, V. I.

TITLE: Absolute measurement of the power of small harmonic signals with the aid of a radiometer

SOURCE: Leningrad. Elektrotekhnicheskiy institut. Izv., no. 47, 1962, 63-72

TOPIC TAGS: modulation radiometer, radiometer, null type modulation radiometer, microwave power measurement, noise power measurement, correlation function

ABSTRACT: A null-type modulation radiometer is proposed for the measurement of the power of a weak microwave harmonic signal by comparing it with the noise power radiated by a heated absorber. The detector of the apparatus receives alternately (at the modulation frequency): (1) the intrinsic noise voltage and the measured harmonic signal voltage, and (2) the intrinsic noise voltage and the fluctuating signal from a standard source. The conditions under which the error signal at the output of the apparatus is zero are calculated by determining the correlation

Card 1/3

ACCESSION NR: AT4017555

function of the current in the detector load. Orig. art. has: 1 figure and 30 formulas.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut (Leningrad Electrotechnical Institute).

SUBMITTED: 00Mar61 DATE ACQ: 20Mar64 ENCL: 01

SUB CODE: GE, SD NO REF SOV: 005 OTHER: 000

Card 2/3

S/142/62/005/006/002/011
E140/E435

6.9210

AUTHORS: Yurov, Yu.Ya., Vinokurov, V.I., Makkaveyev, V.I.

TITLE: Design of a correlator based on a linear system with variable parameters

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Radiotekhnika, v.5, no.6, 1962, 672-681

TEXT: A parametric element has been used as the multiplier on which a correlator has been based. The element is applied in the commonly used balanced bridge modulator. There are 4 figures and 1 table.

ASSOCIATION: Kafedra teoreticheskikh osnov radiotekhniki Leningradskogo elektrotekhnicheskogo instituta im. V.I.Ul'yanova (Lenina) (Department of Theoretical Fundamentals of Radioengineering, Leningrad Electrical Engineering Institute imeni V.I.Ul'yanov (Lenin))

SUBMITTED: April 13, 1962

Card 1/1

L 64462-65 EWT(d)/EED-2

ACCESSION NR: AR5006549 S/0274/64/000/012/A090/A090

621.317.757

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz'. Sv. t., Abs. 12A513

AUTHOR: Makkaveyev, V. I.; Mokeyava, A. A.

TITLE: Measuring the probability density of a random signal by a photomultiplier

CITED SOURCE: Izv. Leningr. elektrotekh. in-ta, vyp. 52, 1964, 171-177

TOPIC TAGS: photomultiplier, random signal probability density

TRANSLATION: A method for measuring the probability density of chaotic signals is described. The noise voltage is applied to the vertical oscillograph plates, with a horizontal sweep disconnected. The luminescent dot, via a slotted mask, energizes a photomultiplier whose signal is applied to a measuring 28IM amplifier. The functional relation between the square effective value of the photomultiplier noise at the narrow-band 28IM output and the probability density of the random voltage being tested is established. A formula is developed for the relative error of measurement with the Gauss-law distribution of the probability density. Curves of the relative error vs. luminous-strip displacement on the oscillograph screen, for various slot widths, are presented. It is demonstrated that the estimated and

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L 64462-65
ACCESSION NR: AR5006549

measured values of the probability density of 2D2S-diode noise at 17—22 Mc and also after conversion within 0—300 kc agree with a high degree of accuracy.
Bibliography: 5 titles.

SUB CODE: EC ENCL: 00

Card 2/2

ACC NR: AT6022271 SOURCE CODE: UR/0000/66/000/000/0033/0033

AUTHOR: Makkaveyev, V. I.

ORG: none

TITLE: The noiseproof qualities of pulse modulated photon communication channels

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya kvantovoy elektroniki. Doklady. Moscow, 1966, 33

TOPIC TAGS: photon emission, laser application, telephone system

ABSTRACT: The operating features of photon communication channels in transmitting telephone signals are discussed. The FIM, ShIM, ChIM and IKM pulsed communication systems are analyzed. [Abstracter's note: This is essentially the entire text of the article].

SUB CODE: 17,20 SUBM DATE: 11Apr66

Card 1/1

MAKKAVEYEV, V. M. - МАККАВЕЕВ, В. М.

"The Theory of Hydrodynamic Processes of High Energy Loss," Trudy of the Second All-Union Congress of Hydrology, L., 1930.

MAKKAVEYEV, V. M.

"Theory of Turbulent Conditions and the Suspension of Sediments", Izvestiya GGI (News of the GGI) No 32, 1931.

SO: U-3039, 11 Mar 1953

MAKKAVEYEV V. M.

"Investigations of the Dyn[illegible] of Open Streams and Ground Waters (Collection of Articles)". Edited by V. M. Makkaveyev. [illegible] by GGI, N [illegible] ( ) Gidrometeoizdat, Leningrad, 19[illegible], 1?6 pages.

SO: U-3039, 11 Mar 1953

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SO: U-3039, 11 May 1953

MAKKAVEYEV, V. M.

MAKKAVEYEV, V. M. "The latest work in the field of river currents," In the symposium: Materialy tekhn. soveshchaniy po putevym rabotam (M-vo rech. flota SSSR), Moscow, 1949, p. 75-81

SO: U-5240, 17Dec53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

MAKKAVEYEV, V.M.

25690 Makkaveyev, V.M. Prosteyshie sluchai rascheta izotakh otkrytykh potokov prinalichii popere-chnykh techeniy. Trudy Leningr. in-ta inzhenerov vod. transporta, vyp. 15, 1949, s. 3-17

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

1. MAKKAVEVEV, V.M.

2. USSR (600)

4. Dredging

7. Frequent problem in calculations for deepening of navigation channel, TKudy LIVT no. 18, 1951.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

1. MAKKAVEYEV, V. M.

2. USSR (6CO)

4. Sedimentation and deposition

7. Theories concerning the movement of turbulent currents containing suspended sedimentary material. Isv. AN SSSR. Otd. tekh. nauk, No. 2, 1952.

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

PANCHURIN, N.A., kandidat tekhnicheskikh nauk; MAKKAVEYEV, V.M., professor, doktor tekhnicheskikh nauk, redaktor.

[Collection of problems on hydraulics] Sbornik zadach po gidravlike. Moskva, Izd-vo Ministerstva morskogo i rechnogo Flota SSSR, 1953- (MLRA 7:4)

(Hydraulics--Problems, exercises, etc.)

MAKKAVEYEV, V. M.

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2212. Makkaveyev, V. M., Turbulent mixing and the dynamics of channel flows (in Russian). Extracted from "Problems of channel flow", Leningrad, Gidrometeoizdat, 52-63, 1955; Rev. no. 1546, *Ref. Zh. Mekh.* 1956.

Report contains a brief survey of the work of the author and his associates on the theory of turbulent motion in a channel of flow, as well as the theory of motion of suspended particles in a turbulent flow. G. I. Barenblatt, USSR

Courtesy of Referativnyi Zhurnal

Translation, courtesy Ministry of Supply, England

MAKKAVEYEV, V.M., doktor tekhn.nauk,prof.

Hydraulics of natural waterways with complex branching. Trudy LIIVT no.20:162-169 '53. (MIRA 12:1)
(Hydraulics)

MAKKAVEYEV, V. M.

"Certain Problems of Principle in the Laboratory Study of Rivers"
Tr. Gos. Gidrol. In-ta, No 40 (94), 3-13, 1953

In the modeling of river-bed processes an especially complicated task is to ensure the necessary similitude of dimensional analysis during reproduction of the natural conditions and phenomena. The similarity of the velocity structure of flow in the simplest case is preserved when one ensures the similarity of the relief of the free surface of flow. The author also considers the problem of utilizing aerodynamic models for the investigation of river-bed processes, especially in establishing the character of circulatory currents and in the study of local resistances. (RZhGeol, No 3, 1954)

SO: W-31187, 8 Mar 55

KARAUSHEV, Anatoliy Vasil'yevich; MAKKAVEYEV, V.M., professor, doktor tekhnicheskikh nauk, redaktor; VOLCHOK, K.M. tekhnicheskiy redaktor.

[Hydraulics of rivers and reservoirs (in problem form)] Gidravlika rek i vodokhranilishch (v zadachakh). Pod red. V.M. Makkaveeva. Leningrad, Izd-vo "Rechnoi transport," 1955. 290 p.
(Hydraulic engineering) (MLRA 8:8)

PANCHURIN, Nikolay Aleksandrovich, kandidat tekhnicheskikh nauk; MAKKAVEYEV, V.M., professor, doktor tekhnicheskikh nauk, redaktor; VOLCHOK, K.M., tekhnicheskiy redaktor

[Collection of problems in hydraulics] Sbornik zadach po gidravlike. Pod obshchei red. V.M.Makkaveyeva. Izd. 2-oe, ispr. Leningrad, Izd-vo "Rechnoi transport." Part 1. 1956. 198 p. (MLRA 10:3)
(Hydraulic engineering--Problems, exercises, etc.)

KARAUSHEV, Anatoliy Vasil'yevich; PANCHURIN, Nikolay Aleksandrovich; MAKKAVEYEV, V.M., doktor tekhnicheskikh nauk, professor, redaktor; LEBEDEV, V.V., redaktor; VOLCHOK, K.M., tekhnicheskiy redaktor

[Collection of problems in hydraulics] Sbornik zadach po gidravlike. Pod obshchei red. V.M.Makkaveeva. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie, Pt.2. 1957. 197 p. (MLRA 10:9)
(Hydraulic engineering--Problems, exercises, etc.)

МАККАУЕЕВ, В. М.

3(7)

AUTHOR: Popova, K. L.

SOV/50-59-7-20/20

TITLE: Coordination Conference on Problems of Water Economy (Koordinatsionnoye soveshchaniye po voprosam vodnogo khozyaystva)

PERIODICAL: Meteorologiya i gidrologiya, 1959, Nr 7, pp 59 - 60 (USSR)

ABSTRACT: A Sovet po problemam vodnogo khozyaystva (Council for Problems of Water Economy) under the chairmanship of V. V. Zvonkov, Corresponding Member of the AS USSR, was organized at the Otdeleniye tekhnicheskikh nauk AN SSSR (Department of Technical Sciences of the AS USSR) in 1958. One of the principal functions of the Council is the coordination, generalization, and orientation of the scientific research work on problems of water economy carried out by the institutes and branches of the AS USSR, and in the Academies of Sciences of the individual Union Republics, as well as the coordination of the scientific activity of the leading governmental institutes and universities concerning the main problems of water economy. - The ordinary coordination conference was held by the Council on December 11 - 13, 1958. 88 representatives from 51 organizations

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took part in it. - V. T. Turchinovich (Council for Problems of Water Economy of the AS USSR) spoke about the basic directions of scientific research in the field of water economy in the years 1959 - 1965. M. M. Davydov (Gosplan SSSR) named some problems which are to be included in the plan. I.V.Yegiazarov, Academician of the AS Armyanskaya SSR, spoke about the tasks in the exchange of experience and of international coordination in the field of hydraulic research. - V. M. Makkaveyev (Leningradskiy institut inzhenerov vodnogo transporta) (Leningrad Institute of Water-traffic Engineers) spoke on "Some Problems of the Structure of Turbulent Currents". - V. S. Knoroz (Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki im. B. Ye. Vedeneyeva) (All-Union Scientific Hydrotechnical Research Institute imeni B. Ye. Vedeneyev) spoke on "Macro Roughness and Its Influence on the Hydraulic Resistance of the River Bed". - A. G. Nazaryan (Institut energetiki i gidravliki AN Armyanskoy SSR) (Institute of Power Engineering and Hydraulics of the AS Armyanskaya SSR) reported "On a Method of Investigating the Irregular Turbulent Current".- The scheme of scientific research work for 1959 on the coordinated problem "Extensive Utilization of Water Reserves"

contains about 300 subjects to be worked out by 78 organizations, and consists of 4 sections: 1) Investigation of the fundamentals for the utilization of water reserves. 2) Investigation of the processes in river beds. 3) Hydromechanization of excavation and mining work. 4) Investigations connected with the working out of standards and technical conditions in the field of water economy (carried out by order of the Gosstroy SSSR).

S/124/62/000/001/027/046
D237/D304

AUTHOR: Makkaveyev, V. M.

TITLE: On some fundamental problems of the theory of turbulence

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1962, 90, abstract 1B623 (Tr. Leningr. in-ta inzh. vodn. transp., 1959, no. 26, 21-31)

TEXT: A model of turbulent flow is proposed, based on considerations of rotational and translational motion of fluid, the latter's direction being perpendicular to the wall. Correspondences are given referring to the dynamic analysis of such a model and its elements. [Abstracter's note: Complete translation.]

Card 1/1

KARAUSHEV, A.V.; MAKKAVEYEV, V.M., prof., doktor tekhn.nauk, otv.red.; IVZHENKO, A.Kh., red.; FLAUM, M.Ya., tekhn.red.

[Wind waves and swells on reservoirs and lakes] Sgonno-nagonnye iavleniia na vodokhranilishchakh i ozerakh. Leningrad, Gidrometeor.izd-vo, 1960. 215 p. (MIRA 13:7)
(Waves) (Wind pressure) (Reservoirs)

KARAUSHEV, Anatoliy Vasil'yevich; MAKKAVEYEV, V.M., otv.red.; IVZHENKO, A.Kh., red.; BRAYNINA, M.I., tekhn.red.

[Problems in the dynamics of natural water streams] Problemy dinamiki estestvennykh vodnykh potokov. Leningrad, Gidrometeor. izd-vo, 1960. 391 p. (MIRA 13:9)
(Hydraulics)

MAKKAVEYEV, V.M., doktor tekhn.nauk, prof.

Calculating the parameters of high turbulence occurring during hydraulic jumps. Trudy LIVT no.7:41-48 '60. (MIRA 15:2)
(Hydraulic jump) (Turbulence)

MAKKAVEYEV, V.M.

Structure of large-scale pulsations in open streams.
Trudy GGI no.74:3-21 '60. (MIRA 13:7)
(Turbulence)

MAKKAVEYEV, V.M., doktor tekhn.nauk, prof.

Approximation theory of waves of the type which affect ships under conditions of a finite depth and two layers of a liquid with varying density. Trudy LIVT no.13:25-32 '61. (MIRA 14:10)

(Ships—Hydrodynamic impact)

S/863/62/000/000/008/008
D207/D308

AUTHOR: Maldkaveyev, V.M.

TITLE: Parameters representing turbulence

SOURCE: Modelirovaniye yavleniy v atmosfere i gidrosfere; trudy Pervoy mezhduvedomstvennoy konferentsii 22-26 noyabrya 1960 g. Moscow, Izd-vo AN SSSR, 1962, 104-106

TEXT: The author considers the case when turbulence occurs in a liquid due to "bottom friction" because of motion of walls; this is known as "normal turbulence". The following factors governing "normal turbulence" are discussed mathematically: the velocity of motion of a wall in relation to a region at rest; the distance of the region at rest from the wall; "roughness" of the wall; the linear dimension representing the volume of turbulent-flow region divided by the rough surface area causing this turbulence (this is known as the hydraulic radius of the active cross-section of the flow); period of the oscillations causing turbulence. The effect

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S/863/62/000/000/008/008
D207/D308

Parameters representing turbulence

of roughness is estimated by the ratio of the absolute height of projections to the linear dimension representing the whole flow (usually the hydraulic radius). Two special cases are treated: 1) the most important terms in the equations of motion are the inertial forces for steady-state motion and forces due to the effective viscosity; 2) the most important terms are the inertial forces of non-steady-state motion and those due to the effective viscosity.

Card 2/2

MAKKAVEYEV, V.M.

Theory of the turbulence and movement of sediments. Trudy GGI no.100:54-87 '63. (MIRA 16:9)
(Sedimentation and deposition)

MAKKAVEYEV, V.M.

Interaction of a turbulent stream with the underlying surface and its formation. Trudy GGI no.111:61-80 '64.
(MIRA 17:6)

MAKKAVEYEV, V.M.

Turbulence of channel streams. Trudy GGI no.124:40-54 '65.
(MIRA 18:9)

L 08465-67 EWP(m)/EWT(1)/EWT(m) WW/DJ

ACC NR: AR6016468 (N) SOURCE CODE: UR/0124/65/000/012/B095/B095

51
50
B

AUTHOR: Makkaveyev, V. M.

TITLE: Processes in the formation of rotary motion in pulsation at the boundary surfaces of a turbulent flow

SOURCE: Ref. zh. Mekhanika, Abs. 12B673

REF SOURCE: Tr. Leningr. in-ta vodn. transp., vyp. 77, 1964, 21-31

TOPIC TAGS: boundary value problem, turbulent flow, fluid viscosity

ABSTRACT: The author considers some phenomenological explanations for several known empirical results pertaining to the internal structure of turbulent flows. It is postulated that there are two zones of flow near the wall, each zone having different characteristic frequencies of pulsation flow which are constant with respect to cross section. The frequency in the zone near the bottom is assumed to be proportional to that in the flow nucleus; this frequency is identified with the value at the wall of half the derivative of the velocity along the normal to the wall. Validation is then given for the relationship between the Chezy coefficient and the relative roughness of hydraulically rough walls, and for the existence of a certain boundary condition at the wall for the velocity appearing in the dynamic differential equation of flow with constant eddy viscosity. The condition gives a linear relationship between velocity

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and the derivative of velocity at the wall. Finally, a certain formula is validated for mass flow weight rate of bottom pumps and for the resistance of hydraulically smooth walls. In conclusion a solution is given for the problem on velocity profile and flow between two parallel walls with differing roughness (assuming a constant eddy viscosity coefficient). V. S. Sinel'shchikov. [Translation of abstract]

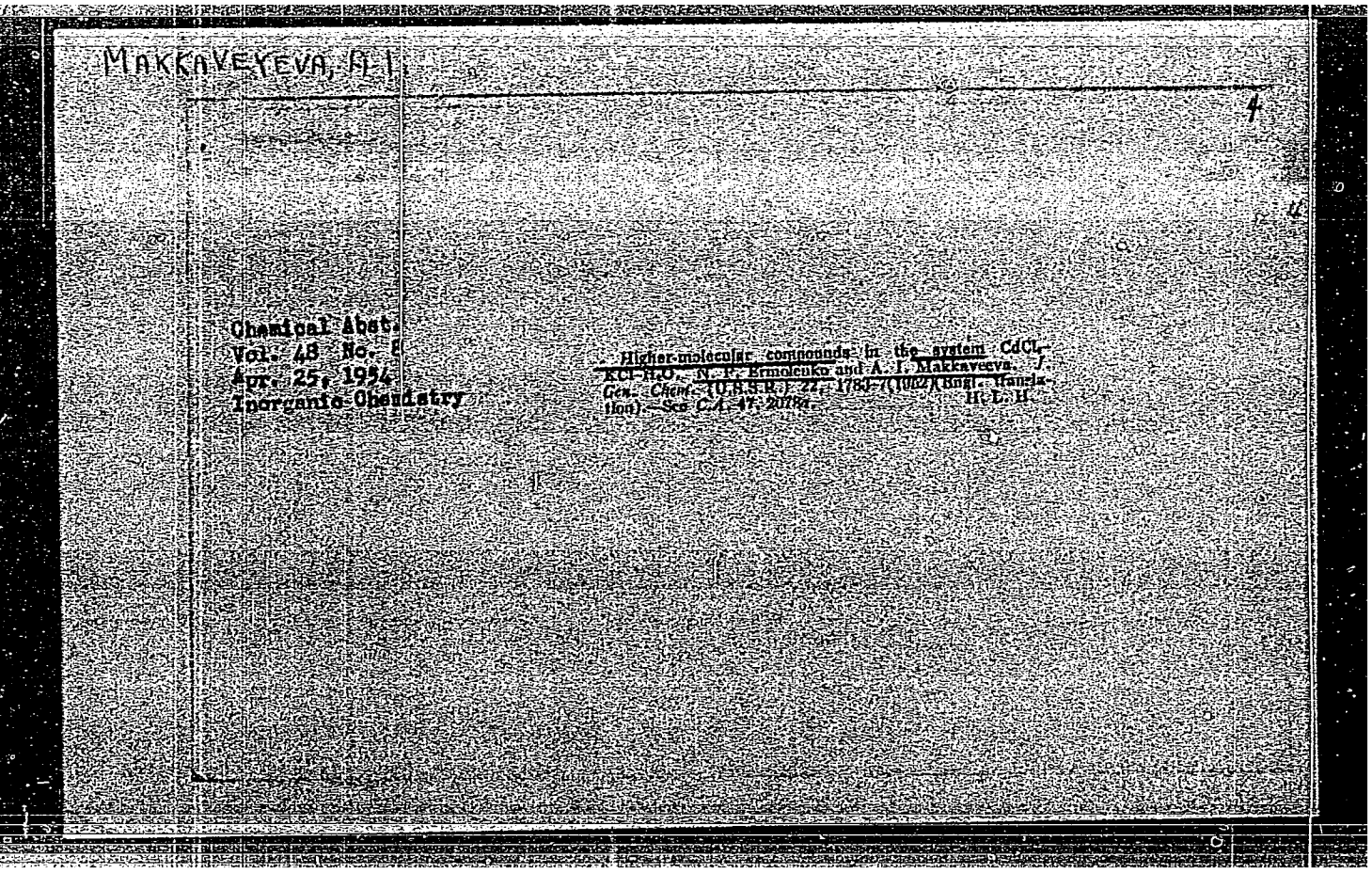
SUB CODE: 20

Card 2/2

MAKKAVEYEV, V.V., dotsent.

Using normal horse serum as a tissue therapy preparation. Sbor. trud. Khar'. vet. inst. 22:408-410 '54. (MLRA 9:12)

1. Kafedra khirurgiii Odesskogo sel'skokhozyaystvennogo instituta.
(Serum therapy) (Tissue extracts)



MAKKAVEYEVA, A. I.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Inorganic Chemistry

Higher-molecular compounds in the system $CdCl_2$-KCl-H_2O. N. P. Ermolenko and A. I. Makkaveeva. *Zhur. Obshchei Khim. (J. Gen. Chem.) U.S.S.R.* 22, 1781-7 (1952) (Engl. translation). See *C.A.* 47, 2078*i*.

H. L. H.

MAKKAVEYEVA, A.I.; POKROVSKAYA, A.I.

Field determination of the adsorption capacity of clay rocks by the benzidine titration method. Kora vyvetr. no. 3:360-364 '60. (MIRA 13:12)

1. Gidroproyekt im.S.Ya.Zhuka i Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR.
(Clay--Analysis) (Adsorption)

MAKAVEYEV, G.T.

Rapid method for determining the moisture content in match sticks and boxes. Der.prom. 6 no.7:18 Jl '57. (MLRA 10:8)

1.Tsentral'naya nauchno-issledovatel'skaya laboratoriya spichechnoy promyshlennosti.
(Match industry) (Wood--Moisture)

MAKKAVEYEVA, M.Yu.

Effect of blood circulation disorders in the umbilical cord, morphologically detected, on the fetus. Dokl. AN BSSR 8 no.9:609-612 S '64.
(MIRA 17:12)

1. Minskiy gosudarstvennyy meditsinskiy institut.

MAKKAVEYEVA, M.Yu.

Morphology and thanatogenetic significance of the true knots of the umbilical cord. Arkh. pat. 27 no.9:51-56 '65.
(MIRA 18:12)

1. Kafedra patologicheskoy anatomii (zav.- prof. Yu.V. Gul'kevich) Minskogo meditsinskogo instituta. Submitted December 4, 1963.

MAKKAVEYEVA, Ye.B.

Populational and biomass dynamics of Rissoa splendida Eichw. in shore waters of the Crimea. Trudy SBS 11:101-107 '59.
(MIRA 13:5)

(Black Sea--Algae)

MAKKAVEYEVA, Ye.B.

Biocoenosis of Cystoseira barbata Ag. (Wor.) in the coastal area of the Black Sea. Trudy SBS 12:168-191 '59. (MIRA 14:10)
(BLACK SEA--MARINE ECOLOGY)

MAKKAVEYEVA, Ye.B.

Seasonal succession of epiphytic algae occurring on Cystoseira in the Sevastopol region. Trudy Gidrobiol. ob-va 10:201-207 '60. (MIRA 13:9)

(Sevastopol region--Algae)

MAKKAVEYEVA, Ye.B.

Ecology and seasonal changes in fouling diatoms attached to Cystoseira. Trudy SBS 13:27-38 '60. (MIRA 14:3)
(Black Sea—Algae) (Marine ecology)

MAKKAVEYEVA, Ye.B.

Biology and seasonal variations in the abundance of some amphipods in the Black Sea. Trudy SBS 13:119-127 '60. (MIRA 14:3)
(Black Sea--Amphipoda)

MAKKAVEYEVA, Ye.B.

Small worms, crustaceans, and marine mites in the Cystoseira biocoenose. Trudy SBS 14:147-162 '61. (MIRA 15:4)
(Sevastopol region--Marine ecology)

MAKKAVEYEVA, Ye.B.

Biocenoses associated with the aquatic plants of the Mediterranean Sea. Trudy SBS 16:201-210 '63.

Population of some shoals of the Aegean Sea. Ibid.:211-214 (MIRA 17:4)

MAKKAVEYEVA, Ye.B.

Undergrowth forming biocenoses of the Adriatic Sea. Trudy SBS 17:39-47 '64. (MIRA 18:6)

MAKKA EVSKAYA, A. N.: (Lecturer, Candidate of Veterinary Sciences)

On the isolation of Bact. tuberculosis with the colostrum of cows reacting to tuberculin.

Department of Microbiology
V.I. Poltev - Head

SO: Collection of Scientific Works, Leningrad Inst. for Advancement of Veterinarians, Ministry of Agriculture USSR. State Agricultural Publishing House, 1950.

MAKKAVEYSKIY, P.A

SADOF'YEV, A.I.

Some results of an X-ray functional study of respiration in pneumothorax, thoracoplasty, and after resection of the lungs. Probl. tub. 39 no.1:91-95 '61. (MIRA 14:1)

1. Iz otdeleniya rentgenologicheskoy ekspertizy (zav. - prof. N.S. Kosinskaya) Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (dir. - kand.med.nauk P.A. Makkaveyskiy).

(PNEUMOTHORAX) (LUNGS—SURGERY)
(CHEST—SURGERY) (RESPIRATION)

MAKAROV, A.Yu.

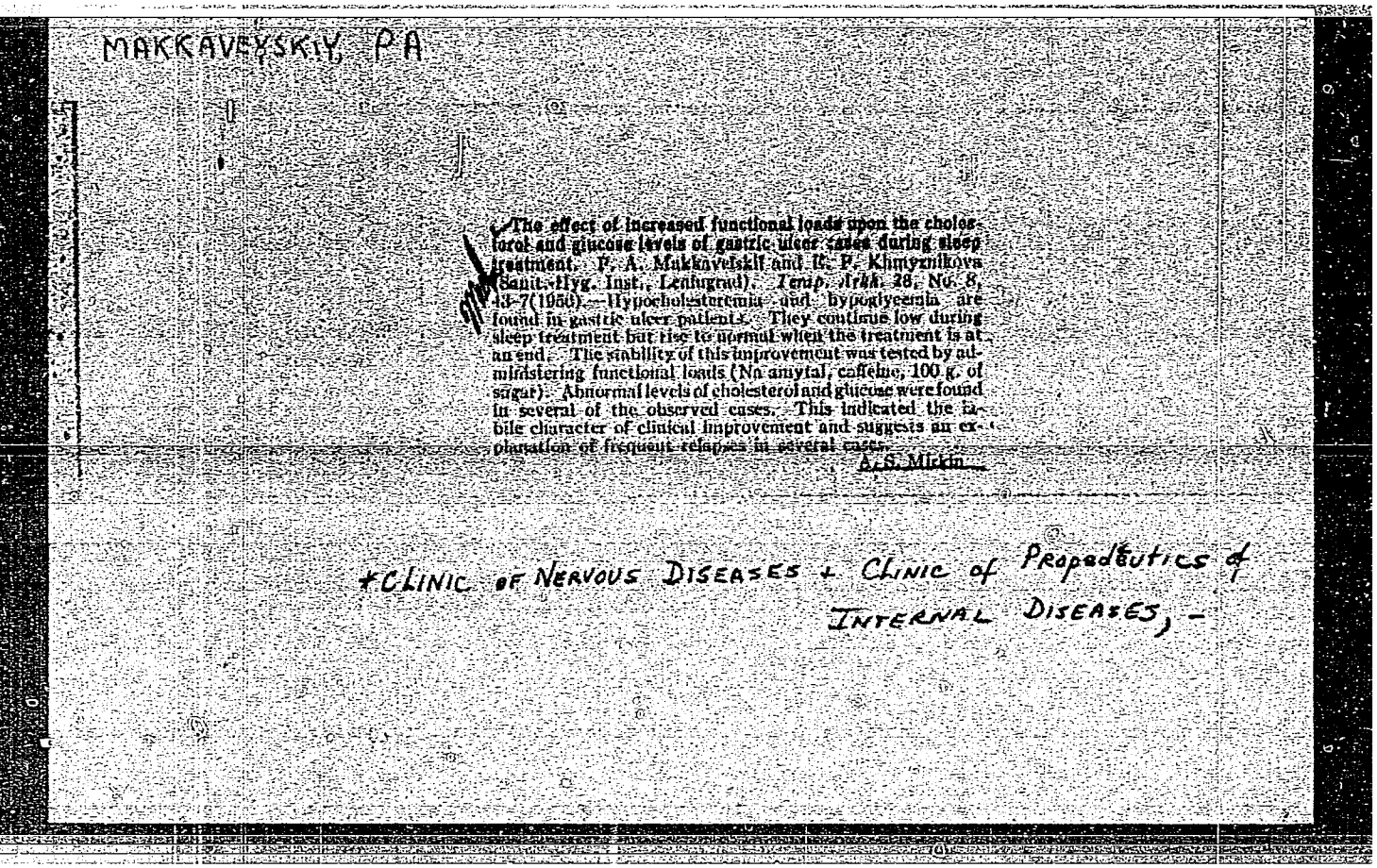
Method for the paper electr ophoresis of proteins, lipoproteins, and glycoproteins of the cerebrospinal fluid. Lab.delo 6 no.6:39-44 N-D '60. (MIRA 13:11)

1. Nervnoye otdeleniye (zav. P.A.Makkaveyskiy) i biokhimicheskaya laboratoriya (zav. Ye.A.Sel'kov) Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov.
(PAPER ELECTROPHORESIS)
(PROTEINS)
(CEREBROSPINAL FLUID)

MAKKAVEYSKIY, P. A.

"The Effect of Certain Neurotropic Substances on the Cholesterin of the Blood During Organic Diseases of the Brain." Cand Med Sci, Leningrad Sanitary Hygiene Medical Inst, Leningrad, 1954. (RZhBiol, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55



MAKKAVEYSKIY, P A

The effect of increased functional loads upon the cholesterol and glucose levels of gastric ulcer cases during sleep treatment. P. A. Makkaveiskii and E. P. Khmyznikova (Sanit.-Hyg. Inst., Leningrad). *Terap. Arkh.* 28, No. 8, 43-7(1956).—Hypocholesteremia and hypoglycemia are found in gastric ulcer patients. They continue low during sleep treatment but rise to normal when the treatment is at an end. The stability of this improvement was tested by administering functional loads (Na amytal, caffeine, 100 g. of sugar). Abnormal levels of cholesterol and glucose were found in several of the observed cases. This indicated the labile character of clinical improvement and suggests an explanation of frequent relapses in several cases.
A. S. Mirkin

*CLINIC OF NERVOUS DISEASES + CLINIC of Propedeutics of INTERNAL DISEASES, -

MAKKAVEYSKIY, P.A.

Effect of some neurotropic substances on blood cholesterin in organic cerebral lesions. Zhur.nevr. i psikh. Supplement:49-50 '57. (MIRA 11:1)

1. Klinika nervnykh bolezney (dir. - prof. I.Ya.Kazdol'skiy) Leningradskogo sanitarnogo meditsinskogo instituta.
(BRAIN--DISEASES) (CHOLESTEROL)
(AUTONOMIC DRUGS)

ZIMKINA, A.M., prof.; MAKKAVEYSKIY, P.A., kand.med.nauk

Significance of nonspecific and adaptation-trophic influences in the coordination of nervous activity and the phenomena of compensation and decompensation. Trudy LIETIN 2:179-186 '59.
(MIRA 13:7)

(NERVOUS SYSTEM)