"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

MOKSHANTSEV, K.B.; AYZENBERG, M.A.

Physical properties of rocks in the Perm and Bashkir area of the Ural Mountain region. Razved.i prom.geofiz. no.32:56-79 '59. (MIRA 13:4)
(Perm Province--Prospecting--Geophysical methods)
(Bashkiria--Prospecting--Geophysical methods)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZINBERG, M.A.

Basic characteristics of the tectonic pattern in the area of the Bashkirian arc. Geol. nefti i gaza 4 no.5:26-29 My '60.
(MIRA 13:9)

1. Volgo-Ural'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta geofizicheskikh metodov razvedki.
(Bashkiria--Geology, Structural)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.A.

Determination of the depth of bedding of a vertical step. Razved. i prom. geofiz. no.46:65-69 '62. (MIRA 16:3)
(Gravity anomalies)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.A.

Nature of folding in southeastern Kakhetia (Georgian S.S.R.).
Sov.geol. 5 no.9:139-145 S '62. (MIRA 15:11)

1. Volgo-Ural'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta geofizicheskikh metodov razvedki.
(Kakhetia—Folds (Geology))

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AY[illegible]NB[illegible]G, M.[illegible].

Structure of the crystalline basement in the eastern part of the Volga-Ural region. Trudy VNIGNI no.36:167-175 '63.
(MIRA 17:9)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.A.

Geological nature of magnetically disturbing masses in the eastern Volga-Ural oil-bearing region. Prikl. geofiz. no.37:129-134 '63. (MIRA 16:10)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.A.

Determining the gravitational effect from structural maps. Razved. i prom. geofiz. no.47:59-71 '63. (MIRA 16:8)
(Gravity prospecting)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, MARK FILIPPOVICH DECEASED 1964

C.'62

Obstetrics-Gynecology

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

[illegible], M. M.

"Certain Features of the Hydrography of the Ukrainian SSR"
Meteorol. i Gidrol., No 2, 45-47, 1954

In the Ukrainian SSR more than 2[illegible],000 rivers have been counted, the total length of which exceeds 100,000 kilometers. The number of rivers of length less than 10 km amounts to 19,[illegible]40, or [illegible]% of the total number of rivers. On the territory of the Ukraine flow 15 rivers of length more than 500 km; 4% of the area is occupied by no-runoff depressions, which are distributed mainly in the south of the Ukraine. The total length of the rivers used for ship navigation amounts to [illegible]500 km, not counting 1200 km of rivers able to float ships. The hydroelectric power resources of the Ukrainian SSR have been computed at 2.3 million kilowatts. (Referat Zhur Geol, No 1, 1955)

SO: Sum. 492, 12 May 55

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M.

KAGANER, M.S.; AYZENBERG, M.M.

Short survey of hydrological work in the Ukraine. Trudy Ukr. NIGMI no.5:155-166. 156. (MLRA 10:9)

(Ukraine--Hydrology)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.I.

Hydrography of the lower Dnieper. Trudy Ukr.NIGMI no.6:99-111 '56. (MLRA 10:5)
(Dnieper River--Hydrology)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

Айзенберг, М.М.

AYZENBERG, M.M.; KAGANER, M.S.

Studying erosive flood streams in regions of their occurrence in the Ukrainian S.S.R. Trudy Ukr. NIGMI no.9:39-73 '57. (MIRA 11:1)
(Ukraine--Floods)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

[redacted]ENBERG, M.M.

Utilization of water-power resources of the Dnieper and changes in its hydrography. Priroda 46 no.6:85-88 Je '57. (MLRA 10:7)

1. Upravleniya gidrometeosluzhby USSR (Kiyev).
(Dnieper River--Hydroelectric power stations)
(Dnieper River--Hydrography)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AUTHOR: Ayzenberg, M M. 50-1-24/26

TITLE: Conference on Problems of the Investigation of Erosive Floods and Measures for Combating Them. (Konferentsiya po voprosam izucheniya selevykh potokov i mer bor'by s nimi).

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 1, pp. 66-66 (USSR).

ABSTRACT: The conference which took place in Simferopol in July 1957 was arranged by the Council for the Investigation of the Productive Forces of the Ukrainian SSR and by the Institute of Mineral Water Springs AN USSR and was devoted to the investigation of the phenomena of landslides and to the methods of combating them under the conditions of the Ukraine and mainly of the Krim. More than 100 persons from 32 scientific institutes, colleges, planning, projecting and works organizations participated in the work of the conference. Representatives from the area and district organizations of the party, kolkhozes, state farms and machine-tractor stations of the Krim were present.
The lectures held in the conference may be subdivided in two groups: 1) Investigation of the landslides (9 lectures) and 2) measures for combating them (3 lectures). The lectures of the first group dealt with the problems of the investigation of the phenomena of landslides in the USSR and especially in the territory of the Krim (Crimea). It was found

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

Conference on Problems of the Investigation of Erosive Floods and Measures for Combating Them. 50-1-24/26

that little attention had hitherto been paid to the investigation of the landslides in the Ukraine.
The lectures of the second group dealt with measures for combating the landslides. It was stated that the works by Sredaz in the Scientific Research Institute for Forestry contain a specially rich experience in this field. This experience is applicable to the conditions of the Ukraine and the Krim. Concerning the problem of scientific research the conference passed resolutions on the development of the physical-geographical investigation in the Ukrainian SSSR. New hydrological, meteorological, geomorphological and other observations are intended in the Ukrainian stations.

AVAILABLE: Library of Congress.

1. Soils-Erosion 2. Flood waters 3. Conferences-Erosive floods-Simferopol

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBER, M. M., V. Ye. IOGANSON, S. P. KAVETSKOY, I. V. BOGOLYUBOVA and others

Reported on the study of flood waters and on catastrophic floods in mountainous districts.

report presented at the 3rd All-Union Hydrological Congress, 7-17 Oct 1957, Leningrad

(Izv. Ak Nauk SSSR, ser geograf., 3, pp3-9, '58)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M.; MIKHAYLOVA, K.L.

Hydrographic characteristics of rivers in the area of the Transcarpathian Runoff Station (Rika Basin). Trudy UkrNIGMI no.15:94-102 '58. (MIRA 12:7)

1.Upravleniye gidrometeorologicheskoy sluzhby USSR.
(Rika Valley--Hydrography)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

SIMONOV, Ya.P.; SALEPOVA, A.I.; SMIRNOVA, A.I.; SVETSOVA, Ye.M.; MIKHAYLOVA, A.D.; YEFIMOVA, K.A.; MOROZ, V.F.; GUK, Yu.I.; NIKOLAYEVA, Z.A.; AYZENBERG, M.M.; MIKHAYLOVA, K.L.; ROGOVSKAYA, Ye.G., red.; VOLKOV, N.V., tekhn.red.

[Agroclimatic reference book on Nikolayev Province] Agroklimaticheskii spravochnik po Nikolaevskoi oblasti. Leningrad, Gidrometeor.izd-vo, 1959. 103 p. (MIRA 13:2)

1. Kiyev. Gidrometeorologicheskaya observatoriya. 2. Nachal'nik otdela agrometeorologii Kiyevskoy gidrometeorologicheskoy observatorii (for Salepova).
(Nikolayev Province--Crops and climate)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M.; KAGANER, M.S.

Flash floods in the Carpathians and the Crimea. Sbor. rab. po gidrol. no.1:155-157 '59. (MIRA 15:2)

1. Upravleniye gidrometeorologicheskoy sluzhby Ukrainskoy SSR (for Ayzenberg). 2. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Kaganer).
(Carpathian Mountains—Floods)
(Crimea—Floods)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

NISILENKO, A.A.; SALEPOVA, A.I.; SMIRNOVA, A.I.; SYRTSOVA, Ye.N.; MIKHAYLOVA, A.D.; GUK, Yu.I.; NIKOLAYEVA, Z.A.; AYZENBERG, M.M.; MIKHAYLOVA, K.L.; USHAKOVA, T.V., red.

[Agroclimatological manual for Stalino Province] Agroklimaticheskii spravochnik po Stalinskoi oblasti. Leningrad, Gidrometeoizdat, 1959. 101 p. (MIRA 17:8)

1. Ukraine. Upravleniye gidrometeorologicheskoy sluzhby. 2. Nachal'nik Otdela agrometeorologii Kiyevskoy gidrometeorologicheskoy observatorii (for Salepova).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M.

Hydrographic features and maximum discharges of rivers and intermittent streams in the Crimean Steppe. Trudy UkrNIGMI no.19:125-135 '59. (MIRA 13:4)
(Crimea--Rivers)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

SIMONOV, Ya.P.; SALEPOVA, A.I.; SMIRNOVA, A.I.; SYRTSOVA, Ye.M.; ABOVICH, P.B.; AYZENBERG, M.M.; MIKHAYLOVA, K.L.; USHAKOVA, T.V., red.; SERGEYEV, A.N., tekhr. red.

[Handbook on agricultural climatology in Zaporozh'ye Province] Agroklimaticheskii spravochnik po Zaporozhskoi oblasti. Leningrad, Gidrometeoizdat, 1959. 111 p. (MIRA 17:4)

1. Ukraine. Upravleniye gidrometeorologicheskoy sluzhby.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M.

Is there no protection against flash floods? Priroda 49 no. 12:53-56 D '60. (MIRA 13:12)

1. Upravleniye gidrometsluzhby Ukrainskoy SSR, Kiyev.
(Floods)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M.; KAGANER, M.S.; ROMOV, A.I.

Some problems in the formation of flash floods in the Ukrainian Carpathians. Trudy UkrNIGMI no.30:72-93 '61. (MIRA 15:1)
(Carpathian Mountains--Floods)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, Ye.M.

Outstanding floods of Carpathian rivers in the 12th to 13th and 17th to 18th centuries. Trudy UkrNIGMI no.34:76-78 '62. (MIRA 15:7)
(Carpathian Mountain region—Floods)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M. (Kiyev); SHTEYNGOL'TS, B.M. (Kiyev)

Flood in Khust. Priroda 51 no.7:30 Jl '62. (MIRA 15:9)
(Khust—Floods)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZ'NBERG, M.M. (Kiyev)

Fighting erosion and mudflows. Priroda 52 no.8:125 Ag '63.
(MIRA 16:9)

(Erosion)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

TREGUBOVA, A.S.[Trehubova, A.S.]; KHARCHENKO, Ye.T.; KYSILENKO, O.A.[Kysylenko, O.A.]; SMIRNOVA, A.I.[Smyrnova, A.I.]; MIKHAYLOVA, O.D.[Mykhailova, O.D.]; KARASENKO, A.P.; MOROZ, V.F.; GUK, Yu.I.[Huk, IU.I.]; AYZENBERG, M.M. MARKOV, V.I., red.

[Agroclimatic manual on Zhitomir Province] Agroklimatychnyi dovidnyk po Zhytomyrs'kii oblasti. Kyiv, Derzhsil'hospvydav URSR, 1959. 89 p. (MIRA 17:6)

1. Ukraine. Upravlinnya hidrometeorologichnoy sluzhby.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M.M.; GOL'DIN, B.M.; IVANOV, B.N.; OLIFEROV, A.N.

New maps and a classification of the mudflow basins in the mountain regions of the Ukraine. Geofiz. i astron. no.8: 142-146 '65. (MIRA 19:1)

1. Upravleniye gidrometeorologicheskoy sluzhby UkrSSR i Institut mineral'nykh resursov Gosudarstvennogo geologicheskogo komiteta SSSR.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, M. N.

PA 37/49T70

USSR/Engineering Sep 48
Efficiency, Industrial

"Exhibition of Organizational Technique in Planning and Calculating Production," M. N. Ayzenberg, Engr, B. B. Veyze, Engr, 2¼ pp

"Vest Mashinostroy" Vol XXVIII, No 9

Exhibition was held in Moscow in Feb 48. Describes exhibits. Includes photograph.

37/49T70

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, N.

Rapid methods of assembling tower cranes. Stroitel' 2 no.1:10-11 Ja '56. (MLRA 10:1)

(Cranes, derricks, etc.)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, N. B.

USSR

621.385.032.21

1838

Influence of Space Charge in Spherical Electron Guns.—N. B. Aizenberg. (*Zh. tekh. Fiz.*, Nov. 1954, Vol. 24, No. 11, pp. 2071–2082.) While it is usually assumed that the intensity of the field at the tip of the cathode in a spherical electron gun is proportional to the anode voltage, for large values of the discharge current the space charge must be taken into account. The effect of this charge is investigated experimentally and the minimum value of the discharge current for which the effect becomes noticeable is determined.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

81636

S/181/60/002/06/24/050
B006/B056

24.7700

AUTHOR: Ayzenberg, N. B.

TITLE: Passage of Electrons Through a Square Potential Barrier With Low Cylindrical Non-homogeneity

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 6, pp. 1178-1185

TEXT: In the investigation of the cathodic electron emission one finds non-homogeneities of two types, the first of which - the difference in the work function in the single small surface areas - is investigated in the present paper. The difference in the work function is connected with the microstructure of the grains on the crystal surface. The present investigation in first perturbation-theoretical approximation deals with the tunnel effect (the electrons pass through the square potential well through a "tunnel") on a potential barrier which has non-homogeneities in the form of cylindrical regions; in these regions, the "height" of the barrier is somewhat lower. Fig. 1 shows the potential well existing for the electron as a function U(x), where x denotes the distance from the homogeneous semiconductor surface. Near a region with lowered work

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Passage of Electrons Through a Square Potential Barrier With Low Cylindrical Non-homogeneity

S/181/60/002/06/24/050
B006/B056

function the barrier is lowered by the contact field - dashed line in Fig. 1. For simplification of conditions, the calculations are based on the square well shown in Fig. 2. The general results obtained by the investigation are simplified in the following for two special cases: a) for a broad non-homogeneity, b) for a narrow one. Finally, yet another numerical example is computed by means of the data for tungsten taken from Ref. 2. It is shown that for the case of narrow non-homogeneities (ϱ_0 small), transmissivity decreases more slowly with an increase of the angle of incidence of the electron upon the barrier than in the case of broad non-homogeneities, and that within the barrier, the region of perturbation of the wave function "diffuses out" beyond the limits of the non-homogeneity. The author finally thanks G. N. Shuppe and B. M. Nosenko for discussions. There are 5 figures, 1 table, and 2 Soviet references.

ASSOCIATION: Sredneaziatskiy gosudarstvennyy universitet, Tashkent
((Soviet) Central Asia State University, Tashkent)

SUBMITTED: May 6, 1958

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

ACCESSION NR: AP4020310 S/0139/64/000/001/0153/0159

AUTHOR: Ayzenberg, N. B.

TITLE: Green's function for scattering in space with a potential barrier

SOURCE: IVUZ. Fizika, no. 1, 1964, 153-159

TOPIC TAGS: Green function, scattering, potential barrier, Schrödinger equation, sliding scattering, scattering potential, Green function with barrier

ABSTRACT: The author studies the problem of stationary scattering for the Schrödinger equation in space, where, besides the scattering potential, he assumes the presence of a potential barrier expressed by a function of one Cartesian coordinate. For this problem he determines the Green's function and shows that its asymptotic expression contains a solution of the Schrödinger equation with an unperturbed barrier, and for a correct choice of solution it is necessary to prescribe the direction of scattering. With the aid of the Green's function he establishes the absence of "sliding" scattering along the barrier and gives a justification for the method of perturbations for the problem. He also notes other similarly formulated problems to which similar reasoning is applicable. The peculiarity of the given problem is the presence of the potential barrier whose

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ACCESSION NR: AP4020310

extent is assumed bounded only in one dimension. This distinguishes it from other similar problems on scattering with known methods of solution and necessitates its separate study. Orig. art. has: 44 formulas.

ASSOCIATION: Tashkentskiy gosuniversitet imeni V. I. Lenina (Tashkent State University)

SUBMITTED: 08Jun62 DATE ACQ: 31Mar64 ENCL: 00

SUB CODE: MM NO REF SOV: 003 OTHER: 002

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

L 19019-65 SSD/AFWL/RAEM(a)/ESD(t)

ACCESSION NR: AP5000456 S/0109/64/009/012/2147/2155

AUTHOR: Ayzenberg, N. B.

TITLE: Effect of space charge upon the shape of $\ln I = f(1/V_a)$ characteristics of field-emission cathodes

SOURCE: Radiotekhnika i elektronika, v. 9, no. 12, 1964, 2147-2155

TOPIC TAGS: field emission cathode, space charge

ABSTRACT: An attempt is made to linearize the space-charge-describing Poisson equation in order to approximately evaluate the effect of the space charge upon the current-voltage characteristics of pointed cold cathodes. A criterion of nonlinearity is established, and the point of divergence of the characteristic from its linear shape is considered. Published experimental data on the emissivity variation and on the effect of the cathode cone shape are explained. The possible role of the cathode-tip curvature is discussed. Orig. art. has: 1 figure and

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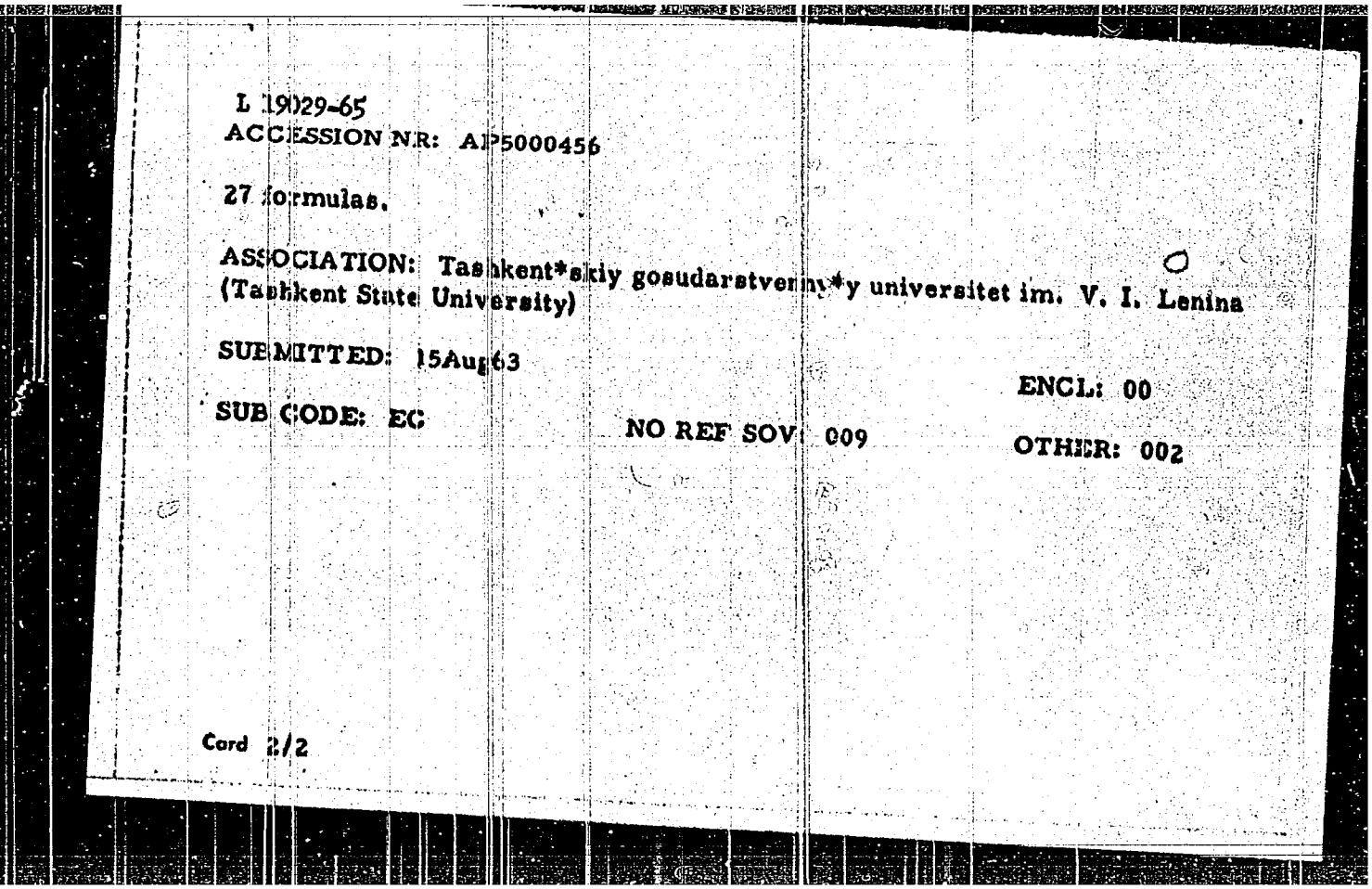
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6



L 19029-65
ACCESSION NR: AP5000456

27 formulas.

ASSOCIATION: Tashkent*skiy gosudarstvenn*y universitet im. V. I. Lenina (Tashkent State University)

SUBMITTED: 15Aug63

ENCL: 00

SUB CODE: EC NO REF SOV: 009 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

TUPITSYN, V. M., Eng.; AYZENBERG, N. M., Eng.

Cranes, Derricks, Etc.

Dismantling of crane and installation of spire on tall building.
Mekh.stroi. 9, No. 8, 1952.

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

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

BOLOBAN, N.A., kand.tekhn.nauk; AYZENBERG, N.M., inzh., nauchnyy red.; KRYUGER, Yu.V., red.izd-va; RUDAKOVA, N.I., tekhn.red.

[Tower-crane operator] Mashinist bashennogo krana. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1958. 75 p.
(Cranes, derricks, etc.) (MIRA 12:6)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

BYKOVA, Yu.N., inzh.; AYZENBERG, N.M., inzh., nauchnyy red.; KRYUGER, Yu. V., red. izd-va.; TEYTERMAN, T.M., tekhn. red.

[Rapid moving of tower cranes] Skorostnaia perebazirovka bashennykh kranov. Izd. 2., perer. i dop. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 87 p. (MIRA 11:12)

(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, N.M., inzh.; STANKOVSKIY, A.P., inzh., red.; PROSTOSERDOV, A.P., red. izd-va.; MEL'NICHENKO, F.P., tekhn. red.

[Tower cranes] Bashennye krany. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 119 p. (MIRA 11:11)
(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, Natan Markovich; KASITSYNA, F.N., inzh., red.

[Progressive practices in the operation of the BKSM-5-5A tower crane; experience of mechanics V.I.Subbotin and I.P.Taravkov] Peredovoi opyt raboty na bashennom krane BKSM-5-5A; opyt mashinistov V.I.Subbotina i I.P.Taravkova. Trest "Mosstroimekhanizatsiia-5" Glavmosstroia. Moskva, Gosstroiizdat, 1963. 16 p. (Novatory-stroiteli, no.911/III) (MIRA 17:1)

1. Nachal'nik upravleniya mekhanizatsii No.10 Trusta "Mosstroymekhanizatsiya-5" Glavnogo otdeleniya po zhilishchnomu i grazhdanskomu stroitel'stvu v g. Moskve (for Ayzenberg).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

S/044/61/000/005/002/025
C111/C444

AUTHORS: Ayzenberg, N. N., Yurchuk, A. P.

TITLE: On some problems of the propositional calculus

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1961, 8, abstract 5A74. (Dokl. i. soobshch. Uzhgorodsk. un-t. Ser. fiz.-matem., 1960, no. 3, 66 - 67)

TEXT: Information on new proofs of well-known theorems, granting 1) a survey of all conclusions of an assumption, and 2) the obtainment of all assumptions of a proposition for the propositional calculus of I. I. Zhegalkin (Matem. sb. 1927, 34, no. 1). The authors do not explicitly refer to the fact that the table, given by them, is a truth-table for the separating "or".

(Abstracter's note: Complete translation.)

Card 1/1

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, N.N.

Representation of the complete product of finite groups. Ukr.mat.zhur. 13 no.4:5-12 '61. (MIRA 15:7)
(Groups, Theory of)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, N.N.

Classes of conjugate elements of wreath products of finite groups. Dokl. i soob. UzhGU. Ser. fiz.-mat. i ist. nauk no.5:77-78 '62.

Remarks on adjoint operations in a ring. Ibid.:80-81

(MIRA 17:9)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, N.N.; LETICHEVSKIY, A.A.

Calculability of representations of finite groups by means of a computer. Dokl. i soob. UzhGU. Ser. fiz.-mat. i ist. nauk no.5:78-80 '62. (MIRA 17:9)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

L 51571-65 EWT(d)/T IJP(c)
ACCESSION NR: AP5012713 UR/0378/65/000/002/0037/0045
681.142.01

AUTHOR: Ayzenberg, N. N., Rabinovich, Z. L.

TITLE: Certain classes of functionally complete systems of operation and the canonical forms of representation of multivalued logic functions

SOURCE: Kibernetika, no. 2, 1965, 37-45

TOPIC TAGS: functionally complete system, canonical representation, multivalued logic function, logic function representation, logic system synthesis, multivalued structural alphabet, logical circuit design

ABSTRACT: Several functionally complete systems of operations in an m-valued logic are discussed in detail. These systems belong to two classes defined by two fixed conjunctions and other operations allowing the establishment of canonical forms of the disjunctive normal-form type in explicit algebras. The results of the paper may be used for the synthesis of logical circuits from elements with a multivalued structural alphabet. Although the authors did not study the minimization methods, they nevertheless investigated certain identities and their concluding remarks may serve as a starting point for the development of such methods of minimization. "The authors thank Academician V. M. Glushkov, who conducted the seminar for the theory of mathematical machines at which

Card 1/2

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L 54571-65
ACCESSION NR: AP5012703

the results of this work were discussed, and the participants in this seminar." Orig. art. has: 53 formulas and 1 table.

ASSOCIATION: None

SUBMITTED: 15Dec64 ENCL: 00 SUB CODE: DP, MA

NO REF SOV: 007 OTHER: 002

Card 2/2 MB

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AIZENBERG, N.N.

Representation of a sum modulo m in a single class of functions of normal forms in m-valued logic. Kibernetika no. 4:101-102 Jl-Ag '65. (MIRA 18:12)

1. Submitted July 15, 1965.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, O.A.

STRAZHESKO, M.D., akademik; AYZENBERG, O.A., prof.

Clinical forms of wound infections and wound sepsis. Medych.zhur. 17:48-60 '47. (MIRA 11:1)
(WOUNDS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, O.A., prof.

Some peculiarities of nephropathy in wound sepsis. Medych.zhur. 17:119-130 '47. (MIRA 11:1)

1. Z klinichnogo viddilu (zav. - akad. M.D.Strazhesko) Institutu klinichnoi fiziologii AN URSR (direktor - akad. O.O.Bogomolets')
(WOUNDS) (KIDNEYS--DISEASES)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

Ayzenberg, O.A.

AYZENBERG, O.A., prof.

Materials on disorders of protein exchange in wound sepsis. Medych. zhur. 17:131-141 '47. (MIRA 11:1)

1. Z klinichnogo viddilu (zav. - akad. M.D.Strazhesko) Insitutu klinichnoi fiziologii AN URSR (direktor - akad. O.O.Bogomolets')
(WOUNDS) (BLOOD PROTEINS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

Ayzenberg, O. A.

AYZENBERG, O.A., prof.; POVOLOTS'KA, G.M.

Materials on disorders in carbohydrate metabolism in wounds sepsis. Medych.zhur. 17:142-161 '47. (MIRA 11:1)

1. Z Ukrains'kogo institutu klinichnoi meditsini (direktor - akad. M.D.Strazhesko).
(CARBOHYDRATE METABOLISM)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, O.A., prof.; POVOLOTS'KA, G.M.

Disorders in antitoxic hepatic function in wound sepsis. Medych. zhur. 17:162-176 '47. (MIRA 11:1)

1. Z Ukrainskogo institutu klinichnoi meditsini (direktor - akad. M.D.Strazhesko).
(LIVER--DISEASES) (WOUNDS) (URINE--SECRETION)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

Ayzenberg, O.A.

AYZENBERG, O.A., prof.; PRIMAK, V.M.

Materials on the peculiarities of functional disorders of the kidneys in wound sepsis. Medych.zhur. 17:177-198 '47. (MIRA 11:1)

1. Z klinichnogo viddilu (zav. - akad. M.D.Strazhesko) Institutu klinichnoi fiziologii AN URSR (akad. O.O.Bogomolets')
(KIDNEYS--DISEASES) (WOUNDS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, O.A., prof.; POVOLOTS'KA, G.M.; LESHCHINS'KA, Ya.S.

Evaluation of the adrenaline test. Medych.zhur. 21 no.6:65-76 '51.
(MIRA 11:1)
1. Z viddilu funktsional'noi diagnostiki (zav. - prof. O.A.Ayzenberg) Ukrains'kogo instititutu klinichnoi meditsini (direktor - akad. M.D.Strazhesko)
(ADRENALINE) (LIVER--GLYCOGENIC FUNCTION)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, O A.

Blood protein fractions in different forms of endocarditis (globulin fractions). O. A. Aizenberg and B. A. Berlakina. *Medichnii Zhur.* 23, No. 6, 3-13(1951)(in Ukrainian; Russian summary): *Referat. Zhur. Khim., Biol. Khim.* 1953, No. 1038.—Albumin and globulins (10% solns.) gave a neg. formol reaction. γ-Globulin, 5% soln. yielded a pos. reaction in 1 min. and a 3% solu. in 15 min. At 30-35% $(NH_4)_2SO_4$ satn. the amt. of protein pptd. from the blood serum of patients with malignant endocarditis was 30-40% greater than in the case of serum of normal humans or of patients having the benign form of endocarditis. It is concluded that a transient or pos. formol reaction in the presence of malignant endocarditis indicates the accumulation of γ-globulin in the blood. B. S. Levine

(1)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, O. A.

The use of narcotic sleep as a therapeutic procedure. O. A. Aizenberg. *Fiziol. Zhur., Akad. Nauk Ukr. R.S.R.* 1, No. 4, 28-37(Russian summary, 37-9)(1955).—A study was made of changes in the metabolic processes in 8 schizophrenics under prolonged uninterrupted narcotic sleep. In the majority of instances there was observed a slight inhibition of internal and external respiration as manifested by a lowered basal metabolism and a reduction in the arterio-venous O_2 differential due to O_2 increase in the venous blood, occasioned by lowered tissue oxidation processes. The alk. reserve is only moderately reduced in the majority of cases, indicating that the accumulation of insufficiently oxidized substances is insignificant, even though in isolated instances ketonemia and lactacidemia reached levels high enough to affect the organism. A comparison of changes in external respiration with those of the gaseous components and the chem. indexes of the blood leads to the conclusion that in uninterrupted narcotic sleep there is a considerable lowering of oxidation. Patients with ulcers were subjected to prolonged but interrupted sleep. In the majority the basal metabolism was lowered but to a lesser extent than in the instances of the uninterrupted sleep. The same was true of the tissue oxidation processes; in some of these the arterio-venous O_2 differential was increased. The majority of such patients showed an increase in the serum proteins. No accumulation of insufficiently oxidized substances was demonstrated. In some of the patients there was an increase in the titrable acids and NH_4OH of the urine, which are indications of the anabolizing effects exerted upon shifts in occult acidosis.

B. S. Levine

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, R. S.

Dissertation: "Chemical Characteristics of the Oil of the Grecian Walnut of Moldavia." Cand Chem Sci, Kishiven State U, 19 May 54. (Sovetskaya Moldaviya, Kishinev, 29 Apr 54)

SO: SUM 243, 19 Oct 1954

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2690

unshelled nuts. The turbid liquid thus obtained was filtered through a paper filter, with suction, and stored in tightly closed jars. The O is straw-yellow with a greenish tinge (the color number is that of standard 20, according to the VNIIZh method), readily soluble in ether, chloroform, petroleum ether, CCl_4, dichlorethane, acetone, difficultly soluble in cold alcohol (1:186), on heating of the alcohol to boiling the solubility is 1:60. The O has the following constants: $n^{19}D$ 1.4774, $n^{19}C$ 1.474, $n^{19}F$ 1.484, temperature index of refraction 0.00046, d^{20} 0.9172, flash point 327°. On cooling the O acquires a semi-solid consistency and ceases to be transparent. Turbidity begins to develop at - 26°. Acid value of the O 0.65, saponification value 193.1, ester value 192.45, glycerol content 10.55%, unsaponifiables (U) 0.68% Hehner value 95.1,

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZBERG, R.Ye.

Basic structural characteristics of the Amu Darya Valley portion of southeastern Turkmenistan. Geol. nefti i gaza 5 no. 2:9-12 F '61. (MIRA 14:2)

1. Yugo-vostochnaya ekspeditsiya upravleniya geologii i okhrany nedr pri Sovete Ministrov Turkmenskoy SSR.
(Turkmenistan--Geology, Structural)

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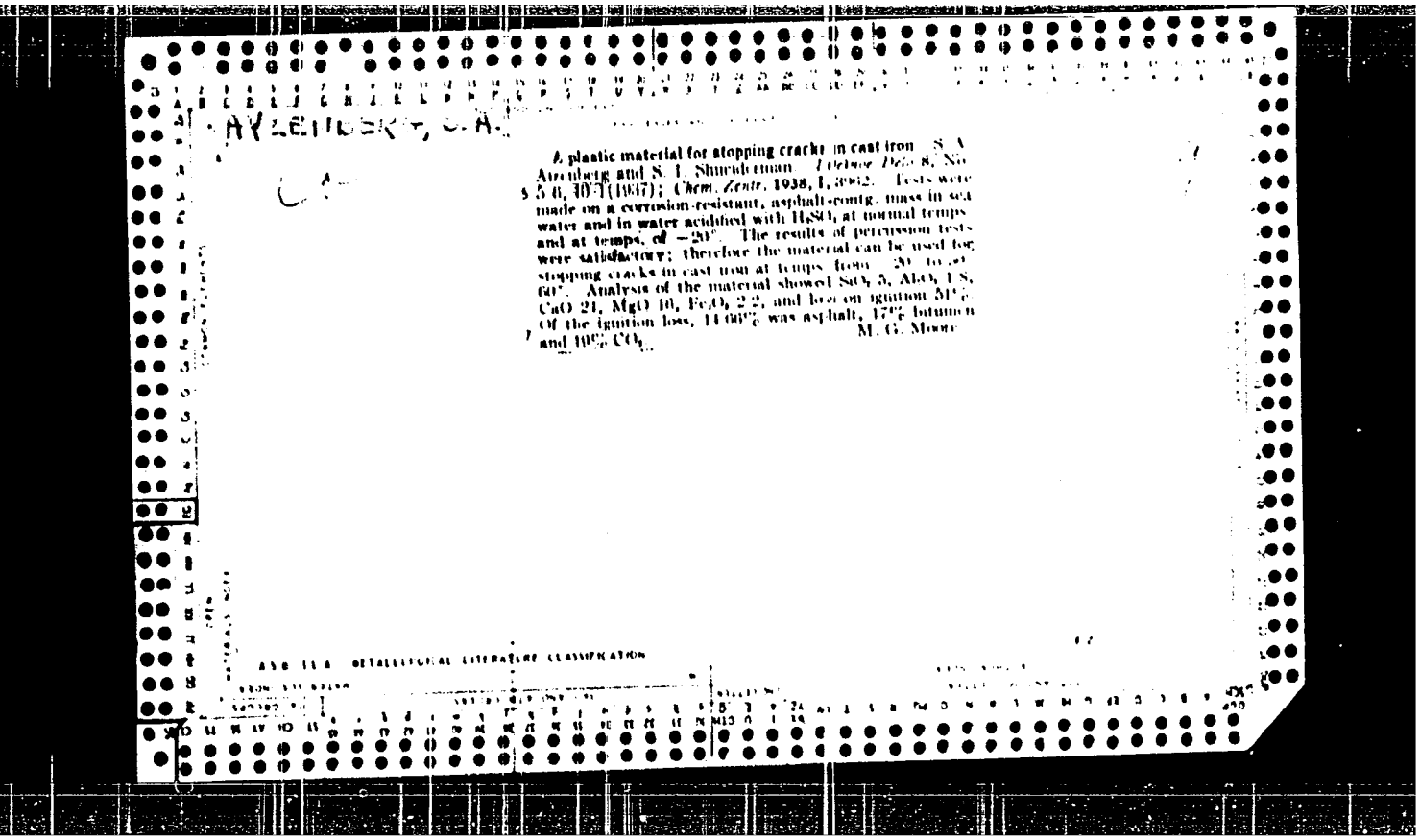

A plastic material for stopping cracks in cast iron. S. A. Arenberg and S. L. Shmidelman. *Liteinoe Delo* 8, No. 5-6, 30-1 (1937); *Chem. Zentr.* 1938, I, 3962. Tests were made on a corrosion-resistant, asphalt-contg. mass in sea water and in water acidified with H_2SO_4 at normal temps. and at temps. of −20°. The results of percussion tests were satisfactory; therefore the material can be used for stopping cracks in cast iron at temps. from −20° to +60°. Analysis of the material showed SiO_2 5, Al_2O_3 1.5, CaO 21, MgO 10, Fe_2O_3 2.2, and loss on ignition 51%. Of the ignition loss, 14.08% was asphalt, 17% bitumen and 10% CO_2.

M. G. Moore

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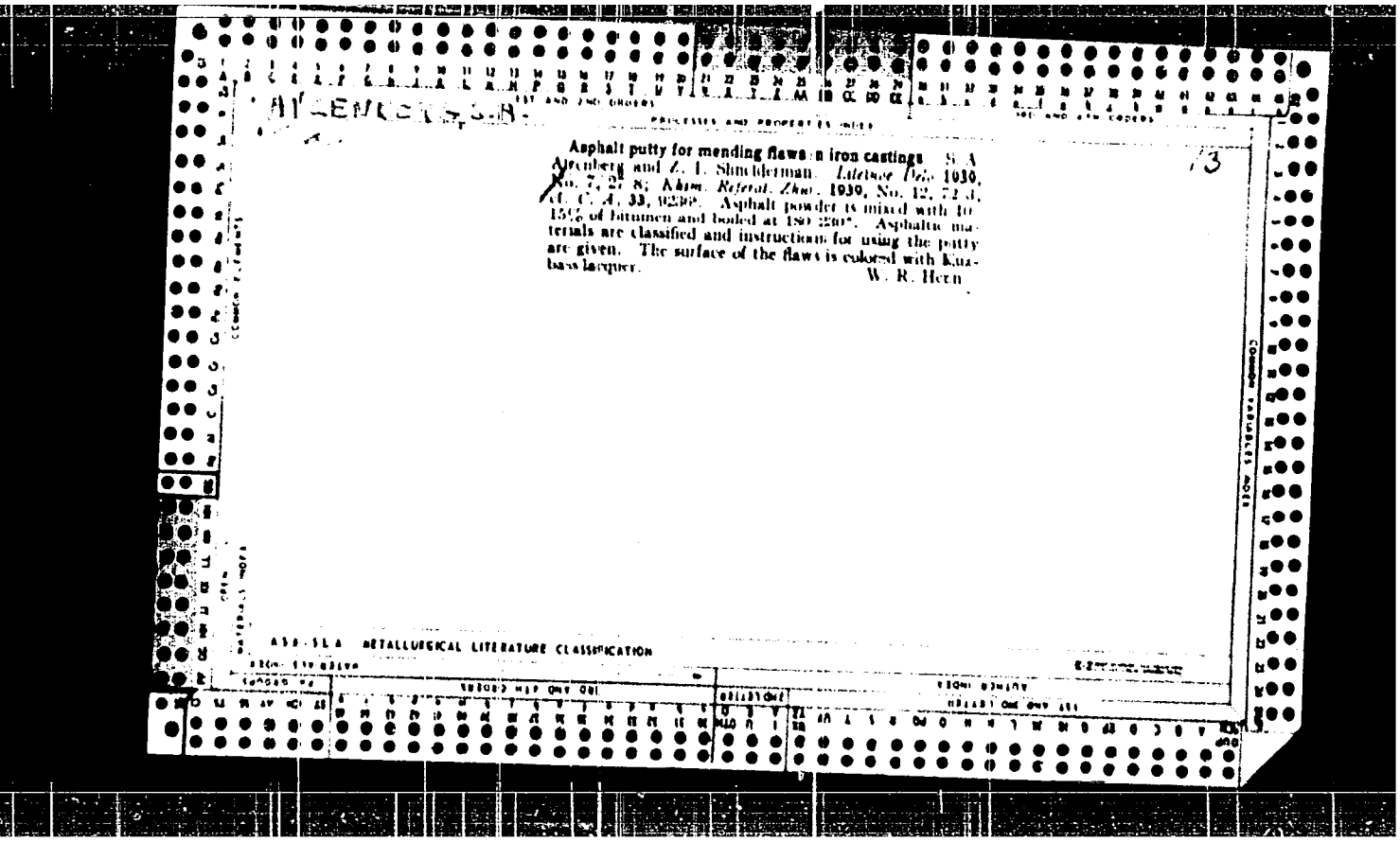

Asphalt putty for mending flaws in iron castings. S. A. Arenberg and Z. I. Shneiderman. *Liteinoe Delo* **1930**, No. 7, 27–8; *Khim. Referat. Zhur.* **1930**, No. 12, 72; cf. *C. A.* **33**, 9239. Asphalt powder is mixed with 10–15% of bitumen and boiled at 180–220°. Asphaltic materials are classified and instructions for using the putty are given. The surface of the flaws is colored with Kuzbass lacquer.

W. R. Hern

A58-51A METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

1) ЭЙЗЕНБЕРГ, С.А.

GOL'SHTEYN, M.I.; ESTRIN, B.M.; IVANCHENKO, N.P.; AYZENBERG, S.A.

A compound method for the prevention of influenza and of acute catarrhs of the upper respiratory tract in metal workers at the G.I.Petrovskii Plant. Vop.virus. 1 no.2:10-13 Mr-Ap '56. (MLRA 10:1)

1. Kafedra epidemiologii Dnepropetrovskogo meditsinskogo instituta Dnepropetrovskaya gorodskaya sanitarno-epidemiologicheskaya i medikosanitarnaya chast' zavoda imeni G.I.Petrovskogo, Dnepropetrovsk.

(INFLUENZA, prevention and control, in indust. (Rus))
(COMMON COLD, prevention and control, in indust. (Rus))

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

VOLKOV, L. Ye.; AYZENBERG, S.A.; NOVIKOVA, L.S.

Pilot plant testing of vortex cleaners. Bumagodel. mash. no.8:17-25 '60. (MIRA 14:3)

(Papermaking machinery)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

VANCHAKOV, V.M.; AYZENBERG, S.A.; NOVIKOVA, L.S.

Screen and sorting machine for waste paper pulp. Bumagodel.mash. no.9:5-18 '61. (MIRA 15:1)

(Papermaking machinery)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, S. I.

35509. Tromboz mezenterial'nykh sosudov. Vracheb. delo, 1949, No. 11, stb. 1039-40.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

CHUVATOV, V.V.; BEREZIN, N.N.; METSGER, E.Kh.; NAGIN, V.A.; KARTASHOV, N.A., kand. tekhn. nauk, dots.; MIL'KOV, N.V., kand. tekhn. nauk; BYCHKOV, M.I., kand. tekhn.nauk, dots.; SUKHANOV, V.P., SHLYAPIN, V.A.; KORZHENKO, L.I.; ABRAMYCHEV, Ye.P.; KAZANTSEV, I.I.; YARES'KO, V.F.; LUKOYANOV, Yu.N.; DUDAROV, V.K.; BALINSKIY, R.P.; KOROTKOVSKIY, A.E.; PONOMAREV, I.I.; NOVOSEL'SKIY, S.A., kand. tekhn.nauk, dots.; IL'INYKH, N.Z.; TSITKIN, N.A.; ROGOZHIN, G.I.; PRAVOTOROV, B.A.; ORLOV, V.D.; RACHINSKIY, M.N.; KULTYSHEV, V.N.; SMAGIN, G.N.; KUZNETSOV, V.D.; MACHERET, I.G.; SHEGAL, A.V.; GALASHOV, F.K.; ANTIPIN, A.A.; SHALAKHIN, K.S.; RASCHEKTAYEV, I.M.; TISHCHENKO, Ye.I.; FOTIYEV, A.F.; IPPOLITOV, M.F.; DOROSINSKIY, G.P.; ROZHKOV, Ye.P.; RYUMIN, N.T.; AYZENBERG, S.L.; GOLUBTSOV, N.I.; VUS-VONSOVICH, I.K., inzh., retsenzent; GOLOVKIN, A.M., inzh., retsenzent; GUSELETOV, A.I., inzh., retsenzent; KALUGIN, N.I., inzh., retsenzent; KRAMINSKIY, I.S., inzh., retsenzent; MAYLE, O.Ya., inzh., retsenzent; OZERSKIY, S.M., inzh., retsenzent; SKOBLO, Ya.A., dots., retsenzent; SPERANSKIY, B.A., kand. tekhn. nauk, retsenzent; SHALAMOV, K.Ye., inzn., retsenzent; VOYNICH, N.F., inzh., red.; GETLING, Yu., red.; CHERNIKHOV, Ya., tekhn. red.

[Construction handbook] Spravochnik stroitelia. Red.kollegiia: M.I. Bychkov i dr. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo. Vol.1. 1962. 532 p. Vol.2. 1963. 462 p. (MIRA 16:5)
(Construction industry)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

VORONKOV, Ivan Mikhaylovich, prof.; AYZENBERG, Tusya Bentionovna; ROZANOVA, O.K., red.izd-va; VORONINA, R.K., tekhn.red.

[Analytical mechanics; program, brief methodological instructions, and control exercises for students of institutions for higher education in nonmechanical subjects by correspondence (with a course extended to 100-120 hours)] Teoreticheskaia mekhanika; programma, kratkie metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov zaochnykh vysshikh uchebnykh zavedenii nemekhanicheskikh spetsial'nostei (s ob"emom kursa po uchebnomu planu 100-120 chasov). Pod red. I.M.Voronkova. Moskva, Gos. izd-vo "Sovetskaia nauk," 1959. 51 p. (MIRA 13:2)
(Mechanics, Analytic--Textbooks)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

YABLONSKIY, Aleksandr Aleksandrovich, doktor tekhn. nauk, prof.;
NOREYKO, Sigizmund Sil'vestrovich, doktor tekhn. nauk, prof.;
AYZENBERG, T.B., nauchnyy red.; MARTYNOV, A.P., red. izd-va;
YEZHOVA, L.L., tekhn. red.

[Course of study in the theory of vibrations] Kurs teorii kolebanii. Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 206 p. (MIRA 14:9)
(Vibration)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, Tusya Bentsionovna, dots.; VORONKOV, Ivan Mikhaylovich, prof.; OSETSKIY, Vsevolod Mikhaylovich, dots.; OVSYANNIKOVA, Z.G., red. izd-va; GORDKHOVA, S.S., tekhn. red.

[Manual for solving problems in theoretical mechanics] Rukovodstvo k resheniiu zadach po teoreticheskoi mekhanike. Izd.4. Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 390 p. (MIRA 14:10)
(Mechanics, Analytic--Problems, exercises, etc.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

VORONKOV, Ivan Mikhaylovich, prof.; AYZENBERG, Tusya Bentsionovna; FUFAYEVA, G.I., red.

[Theoretical mechanics; program, methodological instructions and tests for students of correspondence institutions of higher education (scope of the course according to the study plan for 140-160, 180-190 and 200-220 hours)] Teoreticheskaia mekhanika; programma, kratkie metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov zaochnykh vysshiikh uchebnykh zavedenii (ob"em kursa po uchebnomu planu 140-160, 180-190 i 200-220 chasov). Izd.5. Moskva, Vysshaia shkola, 1961. 130 p. (MIRA 17:9)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

YABLONSKIY, Aleksandr Aleksandrovich; NIKIFOROVA, Valentina Mikhaylovna; AYZENBERG, T.B., nauchnyy red.; OVSYANNIKOVA, Z.G., red.; GORUKHOVA, S.S., tekhn. red.

[Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki. Moskva, Vysshaia shkola. Pt.1.[Statics, kinematics] Statika, kinematika. 1962. 430 p. (MIRA 16:2)
(Mechanics, Analytic)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

YABLONSKIY, Aleksandr Aleksandrovich; NIKIFOROVA, Valentina Mikhaylovna; AYZENBERG, T.B., nauchnyy red.; OSVYANNIKOVA, Z.G., red.; GOROKHOVA, S.S., tekhn. red.

[Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki. Moskva, Vysshaia shkola. Pt.1. [Statics. Kinematics] Statika. Kinematika. 1962. 430 p. (MIRA 16:4)
(Mechanics)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, Tat'yana Borisovna; VORONKOV, Ivan Mikhaylovich, prof.; OSETSKIY, Vsevolod, Mikhaylovich; YEGHCHENKO, N.N., red.

[Manual on the solution of problems in theoretical mechanics] Rukovodstvo k resheniiu zadach po teoreticheskoi mekhanike. Moskva, Vysshaia shkola, 1965. 438 p. (MIRA 18:9)

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26428
S/106/60/000/005/002/009
A055/A133

AUTHORS: Levin, G. A.; Levin, B. R.; Ayzenberg, V. I.; Rozanov, V. S.

TITLE: Increasing the efficiency of multichannel systems with time division of channels

PERIODICAL: Elektrosvyaz', no. 5, 1960, 10-16

TEXT: Statistical measurements in multichannel systems with time division of channels revealed that a telephone channel is really active only for about 15 minutes per hour at maximum load. The probability law proves that during 99% of the total time the number of active channels does not exceed a value $n < N$ (N being the total number of channels). The present article shows how it is possible to increase the efficiency of these multichannel systems by a proper use of inactive intervals and channels. It also shows that this efficiency can be increased by a more complete utilization of the statistics of the instantaneous values of the transmitted signals: by varying the duration of the channel intervals in accordance with the instantaneous value of the transmitted signal, it is possible to increase the number of channels. To enhance this efficiency, it is necessary to abandon the channel interval of constant duration. Inasmuch as

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Increasing the efficiency of multichannel ...

the time interval between pulses of the preceding and following channels is used as carrier of useful information, the method described by the authors is a variety of pulse-time modulation and can therefore be named "interval pulse-time modulation" or IPTM. There are many possible variants of this new type of modulation system, but all these variants can be divided into definite categories according to: 1) the method used for transmitting the number (n^{o}) of the channel 2) the method allowing to take into account the sign of the modulating signal. Let us assume that the voice signal $\xi(t)$ is a stationary random process with probability density w (x), with zero mean value and with dispersion σ^2_{ξ}. Let us analyze the systems where the information interval is modulated by the absolute value $h|\xi(t)|$ of the signal in a given channel, and where the sign of the signal is coded by an additional pulse. If t_ν is the random duration of the information interval of the ν-th channel, the probability density of t_ν is:

$$W(x) = \frac{2}{h} w\left(\frac{x}{h}\right), \qquad x > 0 \tag{1}$$

where h is the proportionality coefficient(which will be assumed equal to one). The mean value and the dispersion of t_ν are respectively:

$$m_1\{t_\nu\} = \frac{2}{h}\int_0^\infty xw\left(\frac{x}{h}\right)dx = hm_1\{|\xi(t)|\}, \tag{2}$$

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of the peak factor α_1 is derived from the condition that the absolute values do not exceed (with a given probability p_1) $\alpha_1 \sigma$. Thus:

$$T_o = (N + 1)(4\tau + 2\alpha_1 \sigma). \quad (7)$$

Let us now analyze the time T_i occupied in one period by N_i channels of the IPTM system [Abstracter's note: Subscript i stands for any one of the compared variants of the system.]. If $B_i\tau$ is the duration of the code combination of pulses per channel, T_i is the sum of the time $(B_iS_i + 2)\tau$ occupied by code combinations and marker pulse, and of the total information time equal to the sum of n_i independent, similarly distributed, random magnitudes. S_i is here equal to the number n_i of active channels in the case of a special coding of the number (n^o) of the channel, and to the total number N_i of channels in the case of a simple reading of channels. If the number of active channels is, with a probability near one, not inferior to ten, the total information time can be considered as distributed according to the normal law with the mean and the dispersion respectively equal to $n_i m_1^{(i)}\{t_\nu\}$ and $n_i M_2^{(i)}\{t_\nu\}$. Therefore, T_i is a fortuitous magnitude whose parameters are:

$$m_1\{T_i\} = (B_iS_i + 2)\tau + n_i m_1^{(i)}\{t_\nu\}, \quad M_2\{T_i\} = M_2^{(i)}\{t_\nu\} n_i. \quad (8)$$

T_i is limited below by magnitude c (minimum duration of all code combinations and

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Increasing the efficiency of multichannel ...

we find:

$$T_o = (B_i S_i + 2)\tau + \theta A_i. \qquad (13)$$

Substituting into (13) the value of τ extracted from (7), we find the final formula for the possible number of channels N_i, when (the noiseimmunity remaining unaletered) one of the variants of IPTM is used instead of pulse-phase modulation: n_i being determined as a function of N_i with the aid of the "activity curve" (activity coefficient k versus N). Equation (14) allows to find function $N_i = N_i(N)$ at fixed values of T_o and τ, and at given values of p_1 and p_2. If, with IPTM, the number of channels is left equal to N, the time occupied by these N channels will be inferior to T_o. It will be possible, therefore, to increase the pulse duration up to:

$$\tau_i(N) = \frac{T_o - A_i \theta}{B_i S + 2} \qquad (15)$$

The narrowing of the required frequency band, allowed by the passage from pulse-phase modulation to IPTM, will then be characterized by the relation:

$$\Delta_i = \frac{\tau_i}{\tau} \qquad (16)$$

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Increasing the efficiency of multichannel ...

At the end of the article, the authors, using the above set of formulae, compare the efficiency of the different variants (1) of the IPTM system. They find that the least efficiency corresponds to the coding of the number (n^0) of channels by a uniform binary code. With a non-uniform binary code, the minimum efficiency (1.75-times increase of the number of channels) is yielded by the system with the additional, sign indicating, signal, and the maximum efficiency (1.91-times increase of the number of channels) is yielded by the transmission of the sum (signal + its envelope). The greatest efficiency (4.15-times increase of the number of channels) is obtained with the simple reading of channels and the transmission of the sum (signal + its envelope); this method ensures also the maximum narrowing of the band for the same number of channels. There are 5 figures, 2 tables and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc. The two references to English-language publications read as follows: Holbrook, Dixon. "Load Rating Theory for Multichannel Amplifiers". BSTY, v. 18, 624, 1939. US-Patent, cl. 179-15. no. 2724017, 15-11-55.

SUBMITTED: February 3, 1960

Card 7/7

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ACCESSION NR: AP5013333 JM UR/0109/65/010/005/0804/0811

621.391.828:621.396.234

AUTHOR: Byalyy, L. I.; Ayzenberg, V. I.

TITLE: Noise immunity of communication systems with instantaneous companding of signals

SOURCE: Radiotekhnika i elektronika, v. 10, no. 5, 1965, 804-811

TOPIC TAGS: noise immunity, communication system, signal companding

ABSTRACT: The noise immunity of a communication system which uses instantaneous signal companding (by inertialess nonlinear compressor and expander) and whose compressor has an arbitrary characteristic is theoretically evaluated. A differential equation is developed which ties the statistical characteristics of signal and noise with an optimal compressor characteristic ensuring maximum noise immunity of the communication system. It is found that: (1) The noise immunity of a communication system with instantaneous companding, when the compressor characteristic is specified, depends on the distribution of probabilities of the instantaneous values of both the noise and the

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signal; formula (14) serves to determine the output noise power in the compander-equipped system under strong-signal conditions; (2) If the communication channel limits the maximum signal value, the signal-to-noise ratio at the expander input is high, and the channel-noise mean value is zero, the following relations hold true: (a) With a specified distribution of probabilities of signal instantaneous values, an optimal compressor characteristic exists which ensures maximum noise immunity; (b) The logarithmic compressor characteristic widely used in practice, with an optimal selection of its parameter, results in a lesser noise immunity than the optimal characteristic. Orig. art. has: 5 figures and 40 formulas.

ASSOCIATION: none

SUBMITTED: 25Mar64 ENCL: 00 SUB CODE: EC

NO REF SOV: 004 OTHER: 001

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

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A055/A101

9,3278

AUTHOR: Aynenberg, V.I.

TITLE: Interference immunity of pulse-position modulated communication systems in the presence of a strong signal

PERIODICAL: Elektrosvyaz', no. 4, 1962, 3 - 10

TEXT: This article is an analysis of the interference immunity of PPM communication systems, account taken of the interference immunity of the synchronization channel and under the assumption that the signal at the receiver input exceeds considerably the noise level. The author considers the most usual method of synchronization of the demodulation system, using a synchronizing signal that consists of two consecutive pulses whose shape and amplitude are the same as the shape and amplitude of the main channel pulses. He investigates the case when auxiliary pulses serve to form pulse-duration modulated pulses and analyzes the influence of the phase fluctuations of these auxiliary pulses (see Fig. 1, where $\Delta\tau_1$ and $\Delta\tau_2$ are, respectively, the random shifts of the front and of the trailing edge of the discriminated synchronizing pulse, and ξ_1 and ξ_2 are, respectively, the phase shifts of the first and the second pulse). This

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

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A055/A101

Interferences immunity of pulse-position ....

D. Shirman, N.A. Zheleznov, V.I. Bunimovich and I.M. Ryzhik. There are 1 figure and 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc.

SUBMITTED: April 15, 1961

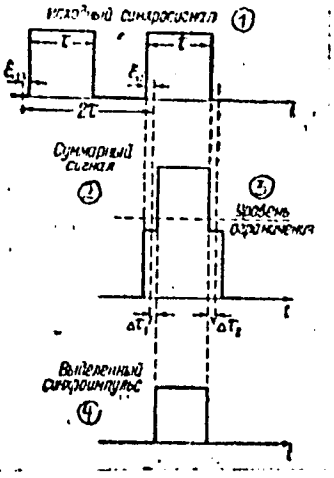

Figure 1: (1) initial synchronizing signal; (2) total signal; (3) limiting level; (4) discriminated synchronizing pulse.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, V.I., nauchnyy sotrudnik

Feed production on virgin land; as exemplified by Adamovka District in Orenburg Province. Zhivotnovodstvo 24 no.9:43-45 S '62. (MIRA 15:12)

1. Vsesoyuznyy institut kormov.
(Adamovka District—Feeds)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, V.I.; BYALYY, L.I.

Some probability characteristics of a telephone signal with a difference envelope. Elektrosviaz' 17 no.3:3-7 Mr '63.
(MIRA 16:4)

(Telephone) (Radio relay lines) (Information theory)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

BYALYY, L.I.; AYZENBERG, V.I.

Noiseproof feature of communication systems with instantaneous companding of signals. Radiotekh. i elektron. 10 no.5:804-811 My '65. (MIRA 18:5)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

ACC NR: AP7001963 SOURCE CODE: UR/0120/66/000/006/0196/0198

AUTHOR: Ayzenberg, V. N.; Chesnokov, V. A.

ORG: none

TITLE: Rectangular-pulse current generator with a silicon-controlled rectifier

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1966, 196-198

TOPIC TAGS: pulse generator, pulse signal

ABSTRACT: A pulse generator which uses a silicon-controlled rectifier (SCR) is described (see Fig. 1). A triggering signal amplified by T_6- T_7 causes the SCR to conduct. Simultaneously, the triggering signal amplified by T_1 and T_4 causes thyratron (T_5) to conduct and capacitor C is discharged through it. When the voltage on capacitor C reaches the value $E_1 - \Delta U_t$ (ΔU_t is a voltage drop across the thyratron in the open state), the thyratron turns off. After the time interval which determines the duration of the pulse, a negative pulse is applied to the circuit consisting of 1/2 T_1, T_2, T_3. After being amplified by 1/2 T_1 and T_2, this pulse causes the thyratron to conduct. The voltage on the plate of T_3 and, consequently, that on the plate of the SCR decrease. The SCR is thereby cut off,

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, V.M. [deceased], KUPLICHENKO, N.Ye.

Vitamin enrichment of table salt [with summary in English].
Vop.pit 17 no.4:66-69 Jl-Ag '58 (MIRA 11:7)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta solyannoy promyshlennosti (poselok imeni K. Libknekhta Artemovskogo rayona Stalinskoy oblasti.)
(VITAMIN C,
enrichment of table salt (Rus))
(SODIUM CHLORIDE,
vitamin C enrichment (Rus))

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, V.P.; SHVARTS, V.M.

Diagnosis of malignant tumors of the ovaries. Zdravookhranenie 6 no.3:44-47 My-Je'63 (MIRA 16:11)

1. Iz 4-y klinicheskoy bol'nitsy g. Kishineva (glavnyy vrach M.A.Ashumov).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, V.P. (Kishinev)

Results of the work of midwives in conducting prophylactic oncological examinations. Fel'd. i akush. 28 no.6:21-22 Je'63. (MIRA 16:8)

1. Iz 4-y Kishinevskoy gorodskoy klinicheskoy bol'nitsy.
(CANCER—PREVENTION)

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L 8773-65 EWG(j)/EWT(m) AMD/SSD/AFWL

ACCESSION NR: AP4040834 S/0211/64/009/006/0025/0028

AUTHOR: Ayzenberg, V. F. 8

TITLE: Presacral penicillin-novocaine block therapy of rectal radiation injuries 19

SOURCE: Meditsinskaya radiologiya, v. 9, no. 6, 1964, 25-28

TOPIC TAGS: radiation injury, rectal radiation injury, novocaine block therapy, presacral block therapy, cervix carcinoma, colitis, rectitis

ABSTRACT: The novocaine block method, developed by A. V. Vishnevskiy for pathogenetic treatment of neurodystrophic processes, has been used since 1961 for treating radiation injuries of the rectum resulting from X-radiation therapy of cervix carcinoma. The effectiveness of presacral novocaine blocks was investigated in 22 women patients with rectal radiation injuries. The block consists of 120 to 150 ml novocaine, 200,000 to 300,000 units of penicillin or 50,000 units of penicillin, and 2 ml vitamin B1 (5%). The number of blocks used depends on the extent of radiation injuries. Findings

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ACCESSION NR: AP4040834

show that only one block was needed to treat 2 patients with catarrhal rectitis, 2 to 3 blocks with 5 to 6 day intervals were needed for 10 patients with erosive-desquamative rectitis, and 4 to 5 blocks were needed for 7 patients with infiltrative ulcerous colitis. In cases of infiltrative colitis where a fistula had formed, the presacral block did not help. Novocaine blocks alleviate pain, promote fast healing of rectal lesions, restore the stool to normal, and decrease bleeding. The presacral novocaine block combined with vitamin therapy and proper diet is highly effective in treating rectal radiation injuries and produces no unfavorable effects. Orig. art. has: None.

ASSOCIATION: Ginekologicheskoe otdelenie 4-oy Gorodskoy klinicheskoy bol'nitsy, Kishinev (Gynecological Division of the Fourth Municipal Clinical Hospital)

SUBMITTED: 10Mar63 ENCL: 00 SUB CODE: LS

NR REF SOV: 010 OTHER: 002

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

AYZENBERG, V.Ya.

Growth of the Armenian canning industry during the years of the Soviet regime. Kons. i ov. prom. 12 no.10:27-29 O '57. (MIRA 11:1)

1. Armyanskiy konservnyy trest.
(Armenia--Canning industry)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

MARKH, A.T.; AYZENBERG, V.Ya.

Metatartaric acid as stabilizer of potassium itartrate in in grape juice. Kons. i ov. prom. 19 no.1:10-14 Ja '64. (MIRA 17:2)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy promyshlennosti (for Markh). 2. Yerevanskiy nauchno-issledovatel'skoy institut vinogradarstva, vinodeliya i plodovodstva (for Ayzenberg).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6

MAPETVARIDZE, Sh., doktor tekhn. nauk; AYZENBERG, Ya., kand. tekhn. nauk

Designing skeleton buildings for seismic areas. Zhil. stroi. no.9:32 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710013-6"

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No personalities are mentioned. There are no references.

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