

VAVRA, Rudolf; SVERAK, Jaromir; PEREGRIN, Jaroslav

The use of vectortachographic analysis of the ERG curve in diseases of the optic nerve (Preliminary report). Sporn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.2:221-229 '61.

1. Katedra patologické fyziologie; prednosta prof. Dr.Sc.MUDr. R.Vavra
Oční klinika; prednosta prof. MUDr. M. Klima Katedra fyziologie;
prednosta prof. MUDr. J. Melka.
(ELECTRORETINOGRAPHY) (OPTIC NERVE diseases)
(VECTORCARDIOGRAPHY)

VAVRA, Rudolf; PEREGRIN, Jaroslav; SVERAK, Jaromir

Vectotachography of the human electroretinogram - method. Cesk. ofth.
17 no.4/5:336-337 J1 '61.

1. Katedra patologické fyziologie, přednosta prof. dr. Sc. MUDr. Rudolf Vavra, katedra fyziologie, přednosta prof. MUDr. Jaroslav Melka, katedra očního lékařství, přednosta prof. MUDr. Milos Klima, Lékařská fakulta University Karlovy v Hradci Králové.

(ELECTRORETINOGRAPHY)

PEREGRIN, Jaroslav; SVERAK, Jaromir

Variability of the exposition time and flash frequency in clinical electroretinography. Cesk. ofth. 17 no.4/5:346-351 JI '61.

1. Katedra fyziologie prednosta prof. MUDr. J. Melka, a očni klinika, prednosta prof. MUDr. M. Klima, LFKU, Hradec Kralove.

(ELECTRORETINOGRAPHY)

SVERAK, Jaromir; STEINHARTOVA, Libuse; PEREGRIN, Jaroslav

The importance of ERG examination in intraocular foreign bodies.
Cesk. ofth. 17 no.4/5:352-357 J1 '61.

1. Očni klinika (prednosta prof. MUDr. Milos Klima) a Fyziologicky
ustav (prednosta prof. MUDr. Jaroslav Melka) Lekarske fakulty KU v
Hradci Kralove.

(ELECTRORETINOGRAPHY) (EYE for bodies)

SVERAK, Jaromir; WASSERMANNOVA, Vlasta; PEREGRIN, Jaroslav

Central serous retinopathy (clinical picture and electrophysiological study). Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 5 no.1: 33-60 '62.

1. Očni klinika; prednosta prof. MUDr. M. Klima Katedra fyziologie;
prednosta prof. MUDr. J. Melka.
(RETINITIS) (ELECTRORETINOGRAPHY)

CZECHOSLOVAKIA

J. SVERAK, J. JURAN, Z. PROCHAZKA and S. NETTL, Eye Clinic (Ocni klinika) Head (prednosta) Prof Dr M. KLIMA, and Neurology Clinic (Neurologicka klinika) Head Prof Dr M. SERCL DrSc, Medical Faculty, Charles University (Lekarske fakulta Karlove University) Hradec Kralove.

"Some Special Problems in Ophthalmoneurologic Diagnosis."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 201-209.

Abstract [English summary modified]: Detailed discussion of papilledema, choked disc, optic neuritis and pseudoneuritis which author saw in 8 young myopic patients with treatment-refractory headaches as only symptoms. Precise diagnosis and prognosis may require not only photographic comparison of papillae at different times, but also microscopy and examination of parents and siblings. Four photographs, graph, 10 Czech and 44 Western references.

1/1

SVERAK, Jaromir; PEREGRIN, Jaroslav

Electroretinography using strong photic stimuli. Sborn. ved.
prac. lek. fak. Karlov. Univ. 9 no.1:295-306 '64.

The effect of the frequency of photic stimuli on the con-
figuration of the electroretinographic adaptation curve.
Ibid.:307-318

1. Katedra fyziologie (prednosta: prof. MUDr. J. Melka);
Ocni klinika (prednosta: prof. MUDr. M. Klima) Karlovy
University v Hradci Kralove.

SVERAK, Jaromir

Method of strong light stimuli in electroretinography. Sborn.
ved. prac. lek. fak. Karlov. univ.:Suppl. 8 no.3:243-268 '65.

1. Očni klinika (prednosta prof. MUDr. M. Klima, DrSc.).

SVERAK, Jaromir; SALAVEC, Miloslav; PEREGRIN, Jaroslav

Electroretinography during prolonged administration of synthetic antimalarial drugs. Sborn. ved. prac. lek. fak. Zarlov. univ.: Suppl. 8 no.5:537-545 '65.

1. Department of Ophthalmology (Head Prof. Dr. M. Klima, Dr.Sc.); First Department of Medicine (Head Prof. Dr. F. Cernik); Department of Physiology (Head Prof. Dr. J. Melka) Faculty of Medicine, Charles University, Hradec Kralove, Czechoslovakia.

SVERAK, Jaromir; PEREGRIN, Jaroslav

Variability of retinal potentials and hypertension. Sborn. ved.
prec. lek. fak. Karlov. Univ. 8 no.5:613-620 '65.

I. Oční klinika (prednosta - prof. MUDr. M. Klima, DrSc.) a
Katedra fyziologie (prednosta - prof. MUDr. J. Melka) v
Hradci Kralove.

SVERBIKHIN, I.

Petroleum of the Mangyshlak Peninsula. Neftianik 7 no.3:17-18
Mr '62. (MIRA 15:5)
(Mangyshlak Peninsula--Oil fields)

22

Vapor-phase purification of cracked gasoline with clay.
 P. T. Sverbil. *Rabochii Neftyanik* 1938, No. 6, 15-18;
~~*Khim. Referat. Zhur.*~~ 2, No. 4, 117(1939).—Expts. per-
 formed in the Odessa cracking plant showed that the
 vapor-phase purification of cracked gasolines with Zikev
 clay according to the method of Gray was much more
 profitable than the purification with H₂SO₄. Losses of
 gasoline were reduced and the technology of the method
 was much simpler. Instead of alkali for washing the
 gasoline (to improve the Cu strip test) the Odessa plant
 successfully used sea water. More stable gasolines for
 storing were obtained.
 W. R. Henn

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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22

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Vapor-phase treatment of cracked gasolines with bleaching earths. P. T. Svirbil and A. M. Ravikovich. *Nefteyane Khim.* 1939, No. 3, 41-6.—Vapor-phase treatment of cracked gasoline with clay has many advantages as compared with H₂SO₄ treatment. Thus losses in the redistn. needed in H₂SO₄ treatment are eliminated and the gasoline yield, when using the flash-tower system, increases up to 34-35% calcd. on the original raw material. The Zikeev clay gives quite satisfactory results in recycling up to 60 days. Its consumption amounting to 0.3-0.4% on the finished gasoline. The refinery-scale treated gasolines pass the copper strip test when washed with 2-2.5 vol. of water in 2 stages. The water treatment affects the inhibitors to a much smaller extent than alkali treatment. The induction period of gasolines treated in the above manner is usually over 240 min., being independent of the amount of clay spent. The amt. of gum after 2 months storage in a glass container when exposed to air and light is of the magnitude of 10 mg. Cracked gasolines from the Odessa cracking unit when treated with 1% of H₂SO₄ have a higher induction period than vapor-phase-treated gasolines. The latter, when stabilized with 0.013% α -naphthol or 0.005% of the wood-tar fraction, are described. A. A. Bochtlingk

A 18-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND ORDER PROCESSES AND PROPERTIES INDEX 100 AND 5TH ORDER

22

Flash tower of the Odessa cracking unit. P. F. Svetlov
Aerbandkhozskoe Neftyanoe Ahoz, 1939, No. 7, p. 11.
The use of the flash tower makes it possible to obtain complete sepn. of gasoline from the condensate, increasing the yield of the former by 14-15%. A. A. Boshlinsk

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GENERAL INDEX

1ST AND 2ND ORDER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SECRET

SVERBIL', P.T.

~~XXXXXXXXXXXXXXXXXXXX~~
Automatic control of the level in a cracking installation con-
denser. Neftianik 1 no.7:29-30 J1 '56. (MLRA 9:11)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela Odesskogo
neftepererabatyvayushchego zavoda.
(Condensers (Vapors and gases))

SVERBIL' P.T.

Intensifying the liming process of boiler water by means of a reactor. Neftianik 1 no.8:27 Ag '56. (MLRA 9:11)

1. Nachal'nik Proizvodstvenno-tehnicheskogo otdeleniya
Odesskogo neftepererabatyvayushchego zavoda.
(Water--Purification)

522-11BIL 1-1
~~SVERBIL', P.T.~~

Production of petroleum bitumens from cracking residue. Neftianik
2 no.12:13-15 D '57. (MIRA 11:2)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela Odesskogo
neftepererabatyvayushchego zavoda.
(Cracking process) (Bitumen)

SVERBIL', P.T.

Using gas from the auxiliary condenser. Dokl. AN Arm. SSR 24
no.2:5 '57. (MLRA 10:4)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdeleniya Odesskogo
neftepererabatyvayushchego zavoda.
(Petroleum--Refining)

SVERBIL', P.T.

Device for checking electronic automatic bridges. Neftoper.
i neftekhim. no.2:42 '63. (MIRA 17:1)

1. Odesskiy neftepererabatyvayushchiy zavod.

SVERBIL', P.T.

Removing hydrogen sulfide from liquefied gas. Neftoper. i neftekhim.
no.5:43-44 '64. (MIRA 17:8)

1. Odesskiy neftepererabatyvayushchiy zavod.

3-7-16/29

AUTHOR: Sverbilov, G.M.

TITLE: To Solve More Actively the Tasks Set by "Letter N-100"
(Aktivneye reshat' zadachi, postavlennyye "Pis'mom N-100")
We Do Practical Training in Workshops (Prakticheskiye
zanyatiya provodim v tsekhakh)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 7, p 60-62 (USSR)

ABSTRACT: The author gives the results of "Letter N-100 ", basing his data on the material gathered by the Chair of Industrial Economics of the Kiyev Financial Economic Institute. This Chair, in order to create conditions for independent student work, investigated the training program, which was found to be excessive. The author lists a number of courses which were cut to provide time for independent work and states that this will also prepare the ground for the creation of courses in synthetics, an important task which has to be carried out in the near future.

The above Chair also reorganized the laboratory work. Of the 80 hours provided for laboratory work in the second course of the Faculty of Industrial Economics (Technology of Machine Building) the students worked 54 hours in the mechanical workshop of the Kiyev Machine-Tool Building Works imeni

Card 1/2

SVERBILOV, Georgiy Moiseyevich [Sverbylov, H.M.], преподаvatel'; KIFORENKO, I.
[Kyforenko, I.], red.; MIL'KIN, Yu., tekhn. red.

[Specialization and cooperation of socialist industrial enterprises]
Spetsializatsiia i kooperuvannia sotsialistychnykh promyslovykh
pidpryiemstv. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961. 51 p.
(MIRA 14:10)

1. Kiyevskiy institut narodnogo khozyaystva (for Sverbilov).
(Industrial organization)

SVERBILOV, G.M., inzh.; POKROPIVNYI, S.F., inzh.

Organization of enterprises specialized in the manufacture of
specific parts. Mashinostroenie no.6:96-100 N-D '62.

(MIRA 16:2)

1. Institut narodnogo khozyaystva, Kiyev.
(Machinery industry)

PAZOLA, Z.; SVERCHINSKAYA, A.

Production of coffee extract powder in Poland. Kons. i ov. prom.
14 no.9:39-41 S '59. (MIRA 12:12)

1. Poznan'skiye fabriki pishchevykh kontsentratov.
(Poland--Coffee)

PAZOLA, Z.; SVERCHINSKIY, A.; SVITEK, G.

Protein hydrolyzates as soup seasoning. Kons. i ov. prom. 14 no.11:43-45
N '59. (MIRA 13:2)

1. Poznan'skiye fabriki pishchevykh kontsentratov.
(Proteins) (Condiments)

POPOV, V.V.; SVERCHINSKIY, B.S.

Calculation of a continuous multicomponent rectification on
a large electronic computer. Khim. i tekhn. topl. i masel. 8
no.3:47-54 Mr '63. (MIRA 16:4)

(Distillation, Fractional)
(Electronic computers)

SAMBUYEVA, A.S.; SVERCHINSKAYA, S.A.; SHIPITSYN, S.A.

Determination of zinc in soils by the spectral method. Zhur.
anal. khim. 20 no.7:889-891 '65. (MIRA 18:9)

1. Zhdanov Irkutsk State University.

SVERCHINSKIY, B.S.; MOLOKANOV, Yu.K.; NIKITINA, S.D.; PRIGOZHINA, L.D.

Determining the coefficients of relative volatility of component pairs in a multicomponent mixture. Zhur. fiz. khim. 39 no.9:2117-2119 S '65. (MIRA 18:10)

POFOV, V.V.; MOLOKANOV, Yu.K.; SVERCHINSKIY, B.S.

Use of electronic computers in the calculation of continuous
rectification processes of binary mixtures. Khim. i tekhn.
topl. i masel 10 no.10:39-43 0 '65. (MIRA 18:10)

SVERCHKOV, A.N., inzhener; LEVENSON, I.S., inzhener, redaktor; CHAROV, A.D., tekhnicheskii redaktor.

[Repair of thrust and supporting bearings of steam turbines]
Remont upornykh i otornykh podshipnikov parovykh turbin. Moskva, Gos. energeticheskoe izd-vo, 1947. 62 p. [Photostat]
(MIRA 8:2)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsiy.
((Bearings (Machinery)) (Steam turbines))

SVERCHKOV, A. N.

Remont i Naladka Parovykh Turbin (Repair and Adjustment of Steam Turbines), 494 p.,
Moscow and Leningrad, 1951.

SVERCHKOV, ANATOLIY NIKOLAYEVICH

SVERCHKOV, Anatoliy Nikolayevich; AKIMOV, P.P., redaktor; ZABRODINA, A.A.,
tekhnicheskiy redaktor.

[Repair and adjustment of steam turbines] Remont i naladka parovykh
turbin. Izd. 2-e, isprav. i dop. Moskva, Gos. energeticheskoe izd-vo,
1954. 532 p. (MIRA 8:4)
(Steam turbines)

SVERCHKOV, A.N.; LAKHNO, Ye.S. (Kiyev)

Ionization of the air in work rooms. Vrach. delo no.8:88-92 Ag '60.
(MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut kommunal'noy gigiyeny.
(AIR, IONIZED) (INDUSTRIAL HYGIENE)

SVERCHKOV, A.N. (Kiyev)

Theoretical principles in medicine. Sov. zdrav. 19 no.11:10-12
'60. (MIRA 13:11)

(MEDICINE)

LAKHNO, Ye.S., kand.med.nauk; NICHKEVICH, O.N., kand.geograficheskikh nauk;
SVERCHKOV, A.N., inzh.

Air ionization in Kiev and its environment. Gig. i san. 25 no.3:
99-100 M. '60. (MIRA 14:5)

1. Iz Ukrainского nauchno-issledovatel'skogo instituta kommunal'noy
gigiyeny.

(KIEV—AIR, IONIZED)

LAKHNO, Ye.S., kand.med.nauk; SVERGHKOV, A.N.; DUMANSKIY, Yu.D.

Dependence of the ionization of the air on the concentration of
turpentine vapors. Vrach delo no.12:124-126 D '61. (MIRA 15:1)

1. Ukrainskiy institut kommunal'noy gigiyeny.
(AIR, IONIZED)

SVERCHKOV, A.N. (Kiyev)

Comments on the importance of social conditions in the problem
of longevity. Sov. zdrav. 21 no.3:47-48 '62. (MIRA 15:3)
(LONGEVITY)
(SOCIAL CONDITIONS)

LAKHNO, Ye.S; NICHKEVICH, O.N.; SVERCHKOV, A.N.

Ionization of the air in a forest of the Kiev suburban resort zone. Vop.kur., fizioter. i lech. fiz. kul't. 28 no.2:123-
126 Mr-Ap'63. (MIRA-1659)

1. Iz Ukrain'skogo nauchno-issledovatel'skogo instituta kommu-
nal'noy gigiyeny.

(KIEV--HEALTH RESORTS, WATERING PLACES, ETC.)
(KIEV --AIR, IONIZED) (FOREST INFLUENCES)

SVERCHKOV, A.M.; LAKHNO, Ye.S.

Ionization of the air in the forests of the Kiev suburban
resort zone. Vop.kur., fizioter. i lech. fiz. kul't. 28
no.2:126-130 Mr-Ap'63. (MIRA 16:9)

(KIEV--HEALTH RESORTS, WATERING PLACES, ETC.)
(KIEV--AIR, IONIZED) (FOREST INFLUENCES)

SVERCHOKOV, A.M. [Sverchokov, A.M.] (Kiyev)

effect of freshly cut shoots of trees and indoor plants on
the ionization of air. Ukr. bot. zhur. 22 no. 5: 38-43 '65.
(MIRA 18:10)

KUZINA, A.N.; MALETINA, M.V.; ADOMONITE, G.M.; GRISHINA, O.S.; GRANT,
Kh.Ya. [Grants, H.]; KOVALEVA, V.I.; ZIL'FYAN, V.N.; MNATSAKANYAN,
A.G.; BOYKO, L.D.; SVERCHKOV, A.N.

Authors' abstracts. Zhur. mikrobiol., epid. i immun. 41 no.11:138-143
'65. (MIRA 18:5)

1. Irkutskiy institut epidemiologii i mikrobiologii (for Kuzina, Maletina).
2. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni Tarasevicha (for Adomonite).
3. L'vovskiy institut epidemiologii, mikrobiologii i gigiyeny (for Grishina).
4. Rizhskiy meditsinskiy institut (for Grant).
5. Dagestanskiy institut po proizvodstvu pitatel'nykh sred (for Kovaleva).
6. Yerevanskiy meditsinskiy institut i Respublikanskaya sanitarnoepidemiologicheskaya stantsiya (for Zil'fyan, Mnatsakanyan).
7. Kiyevskiy institut epidemiologii i mikrobiologii (for Boyko, Sverchkov).

SVERCHKOV, G. P.

"An Outline of the Geology and Oil-Gas-Bearing Possibilities of the Berezovskiy and Muzhinskiy Regions (Northern Zaural'ye) p. 324

Geologicheskii sbornik, 3, (Collection of Articles in Geology, Vol. 3), Leningrad Gostoptekhizdat, 1958, 471pp. (Trudy, vyp 126, Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut)

SVERCHKOV, G.P.

Formation of oil and gas pools in the northwestern part of the
West Siberian Plain. Geol. nefi 2 no.6:8-14 Je '58. (MIRA 11:7)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologo-
razvedochnyy institut.

(West Siberian Plain--Petroleum geology)

(West Siberian Plain--Gas, Natural--Geology)

SVERCHKOV, G. P., Candidate Geolog-Mineralog Sci (diss) -- "The geological structure and prospect for oil and gas in Berezovskiy and Muzhinskiy Rayons (northern Trans-Urals)". Leningrad, 1959. 32 pp (Min Higher Educ USSR, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst im G. V. Plekhanov), 120 copies (KL, No 24, 1959, 130)

MESEZHNIKOV, M.S.; SVERCHKOV, G.P.

Age of the producing section in the Berezovo gas-bearing region.
Trudy VNIGRI no.131:157-163 '59. (MIRA 12:9)
(Ob' Valley--Geology, Stratigraphic)

SVERCHKOV, G.P.

Oil and gas potentials of the western part of the West
Siberian Plain. Trudy VNIGRI no.140:312-353 '59.
(MIRA 13:6)

(West Siberian Plain--Petroleum geology)
(West Siberian Plain--Gas, Natural--Geology)

Reservoir rocks of the West Siberian Lowland

S/009/60/000/008/003/005
B027/B076

taken; thus interesting horizons from which frequently no core samples have been taken are covered by the map as well. Promising reservoir rocks exist in the region of Tyumen' and Omsk in the continental facies of Middle Jurassic and seem to extend in a narrow strip till Berezovo. Very promising reservoir rocks are on the periphery of the Lowland over a wide area and show the highest productivity values (Turinsk, Omsk, Petropavlovsk). A very favorable region lies also between the rivers Ob' and Irtysh, in the basin of the river M.Sos'va, in the middle course of the river Konda and in the middle and lower courses of the river Vakh. There are 2 figures and 4 Soviet-bloc references.

ASSOCIATION: VNIGRI (All-Union Petroleum Scientific Research Institute of Geological Exploration)

Card 2/2

YURGANOV, N.N.; ZINOV'YEV, A.I.; SVERCHKOV, G.P.

Geochemical characteristics of clay-silt deposits of the West Siberian
Lowland in connection with their petroleum and gas bearing capacities.
Trudy VNIGRI no.155:249-269 '60. (MIRA 14:1)
(Siberia, Western--Clay--Analysis)
(Petroleum geology) (Gas, Natural--Geology)

ALFEROV, B.A.; FURTOVA, S.I.; SEREBRYAKOVA, Z.D.; YASTREBOVA, T.A.;
DROBYSHEV, D.V., prof., red.; SVERCHKOV, G.P., nauchnyy red.;
NEVEL'SHTEYN, V.I., vedushchiy red.; MITROPANOVA, G.M., tekhn.red.

[Key wells of the U.S.S.R.; Uvat key well (Tyumen' Province)]
Opronye skvazhiny SSSR; Uvatskaia opornaya skvazhina
(Tiimenskaia oblast'). Leningrad, Gos.nauchno-tekhn.izd-vo
neft.i gorno-toplivnoi lit-ry Leningr.otd-nie, 1961. 90 p.
(Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii
geologorazvedochnyi institut. Trudy, no.178). (MIRA 15:4)
(Uvat region--Petroleum geology)
(Uvat region--Gas, Natural--Geology)

BOYARSKIKH, G.K.; NIKONOV, V.F.; PROKOPENKO, V.I.; ROVNINA, L.V.; ROMANOV, F.I.;
YASTREBOVA, T.A.; SVERCHKOV, G.P., nauchnyy red.; NEVEL'SHTEYN, V.I.,
vedushchiy red.; YASECHURZHINSKAYA, A.B., tekhn.red.

[Key wells of the U.S.S.R.; Berezovo key well (Tyumen' Province)]
Berezovskaya opornaya skvazhina (Tiumenskaia oblast'). Leningrad
Gos. nauchno-tekhn. izd-vo nef. i gorno-toplivnoi lit-ry, Leningr.
otd-ia. 1962. 120 p. (Leningrad. Vsesoiuznyi neftianoĭ nauchno-
issledovatel'skii geologorazvedochnyi institut. Trudy, no.195)
(MIRA 15:12)

(Berezovo region (Tyumen' Province)—Geology)

NALIVKIN, V.D.; DEDEYEV, V.A.; IVANTSOVA, V.V.; KATS, Z.Ya.; KRUGLIKOV, N.M.;
LAZAREV, V.S.; SVFCHKOV, G.P.; CHERNIKOV, K.A.; SHABLINSKAYA, N.V.;
Prinimal uchastiye: ZHABREV, I.P.; ROZANOV, L.N.; SOFRONITSKIY, P.A.;
KHAIN, V.Ya.; SIMONENKO, T.N.; SOKOLOV, V.N.; YAKOVLEV, O.N., gidrogeolog

[Comparative analysis of the oil and gas potential and the tectonics
of the West Siberian and Turan-Scythian platforms.] Sravnitel'nyi
analiz naftogazonosnosti i tektoniki Zapadno-Sibirskoi i Turano-
Skijskoi plit. Leningrad; Nedra, 1965. 322 p. (Leningrad.
Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi
institut. Trudy, no.236) (MIRA 18:6)

DINERSHTYUN, L.I.; SVERCHKOV, N.I.; MOROZOVA, B.L.

"Penetration of methane into dwellings from settling tanks for sugar
industry sewage. Gig. i san. 23 no.12:77 D '58. (MIRA 12:1)
(METHANE) (AIR--POLLUTION)
(SUGAR INDUSTRY--BY-PRODUCTS)

ACC NR: AP6021809

SOURCE CODE: UR/0413/66/000/012/0006/0086

INVENTOR: Glazunov, S. G.; Moiseyev, V. N.; Chinenov, A. M.; Svarchkov, S. M.

ORG: none

TITLE: Weldable wrought titanium alloy. Class 40, No. 182890

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 86

TOPIC TAGS: titanium alloy, molybdenum containing alloy, aluminum containing alloy, niobium containing alloy, heat resistant alloy

ABSTRACT: This Author Certificate introduces a weldable wrought titanium-base alloy with improved heat resistance containing 25—30% molybdenum, 0.1—3.0% aluminum, and 2—5% niobium. [AZ]

SUB CODE: 11/ SUBM DATE: 09May64/ ATD PRESS: 5036

Card 1/1

UDC: 669.225.5.018.2

SVERCHKOV, S.V.

Primary scleroma of the trachea. Vest.oto-rin. 18 no.5:139 S-0 '56.
(MIRA 9:11)

1. Iz ftizio-laringologicheskogo otdeleniya (zav. - prof. A.N. Voznesenskiy) M₀skovskogo oblastnogo nauchno-issledovatel'skogo tuberkuleznogo instituta.

(RHINOSCLEROMA, case reports
trachea)

(TRACHEA, dis.
rhinoscleroma)

06502

SOV/141-58-4-18/26

AUTHORS: Zhabotinskiy, M.Ye., Klyshko, D.N. and Sverchkov, Ye.I.

TITLE: Accurate Comparison of Neighbouring Frequencies by Means of Computing Systems (Tochnoye sravneniye blizkikh chastot pri pomoshchi pereschetnykh skhem)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1958, Nr 4, pp 137-141 (USSR)

ABSTRACT: An equipment is described which permitted the frequency measurement with an error of 10^{-10} , the duration of the measurement being of the order of a few seconds. The equipment is illustrated diagrammatically in Fig 1 on p 139. The measured frequency f and the frequency of a standard oscillator f_1 are shaped into narrow "spiky" pulses by means of two identical circuits; each circuit contains a resistance capacitance amplifier, a pulse forming stage and a wideband pulse amplifier. The two pulse trains obtained in this manner are applied to a mixer-coincidence detector which is normally closed by a negative bias and is opened only when the two pulses coincide. The mixer-detector is terminated with an integrating RC

Card 1/3

06502

SOV/141-58-4-18/26

Accurate Comparison of Neighbouring Frequencies by Means of
Computing Systems

circuit which detects the envelope of the pulse beats. The envelope is amplified and limited and afterwards fed to the computing system, type PS-64, which divides the pulse repetition frequency by an even number $n = 2, 8$ or 32 ; number n can be chosen so as to satisfy the required accuracy of the measurement. The output pulses from the computing system trigger an asymmetrical multi-vibrator. The voltage from the cathode of the multi-vibrator is applied to a gate circuit whose amplification is changed thereby stepwise by 30 db. The control grid of the gate tube is supplied with the pulses from an auxiliary oscillator f_0 . Consequently the gate circuit transmits pulses of frequency f_0 during a period nT . Afterwards the gate is closed for a duration nT . During the latter period the indication of the computer is read out and the computer then reset to zero. The measurement of the frequency f is done in accordance with the formula:

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SOV/141-58-4-18/26

Accurate Comparison of Neighbouring Frequencies by Means of
Computing Systems

$$f = f_1 \pm F = f_1 \pm nf_0/m$$

where n is the dividing coefficient of the auxiliary computing system, while m is the reading of the principal computing system. The equipment can be employed at frequencies ranging from 10-3000 kc/s. There is 1 figure and 2 Soviet references.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR
(The Institute of Radio Engineering and Electronics
of the Academy of Sciences, USSR)

SUBMITTED: 25th November 1957

Card 3/3

SVERCHKOV, YE. I.

SOV-109-3-4-20/28

AUTHORS: Vasneva, G. A., Grigor'yants, V. V., Zhabotinskiy, M. Ye.,
Klyshko, D. N., Sverdlov, Yu. L. and Sverchkov, Ye. I.

TITLE: Frequency Standard with a Molecular Oscillator (Reper
chastoty s molekulyarnym generatorom)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol.3, Nr 4,
pp 569-570 (USSR)

ABSTRACT: Description and block diagram are given of a molecular
oscillator which was employed for the calibration of
quartz crystals operating at a frequency of 1 Mc/s. The
frequency of the oscillator was compared with the
23,358th harmonic of the frequency of the investigated
crystal and an accuracy better than 10^{-9} was attained.
There is 1 figure and 2 references, one of which is Soviet
and 1 English.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR (Institute
of Radio Engineering and Electronics of the AS USSR)

SUBMITTED: December 3, 1957

1. Oscillators--Applications 2. Quartz crystals--Calibration

Card 1/1

SVERCHKOV, Ye. I.
ZHABOTINSKIY, M.Ye.; SVRCHKOV, Ye.I.

Measuring small phase angles. Prib.i tekhn.eksp.no.3:74-76 M-D '56.
(MLBA 10:2)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Electronic instruments)

ZOLIN, V.F., kand.tekhn.nauk; SVERCHKOV, Ye.I., kand.tekhn.nauk

Conference on optics and spectroscopy in the German Democratic
Republic. Vest. AN SSSR 35 no.10:112 0 '65.

(MIRA 18:10)

9,3260

S/109/60/005/07/017/024
E140/E163AUTHORS: Zhabotinskiy, M.Ye., Levkin, L.V., Sverchkov, Ye.I.,
and Fetisova, V.R.TITLE: Model of a Caesium Frequency StandardPERIODICAL: Radiotekhnika i elektronika, Vol 5, No 7, 1960,
pp 1173-1176 (USSR)

ABSTRACT: In accordance with a recommendation of the Twelfth General Assembly of the International Radio Scientific Union the comparison of a molecular generator with a caesium standard within a single laboratory has been undertaken. Two models of an atomic frequency standard using an atomic caesium beam have been developed at the Institute of Radio Engineering and Electronics of the Academy of Sciences, USSR. In this system the ultra-fine structure in the atomic caesium spectrum is used, employing two closely located levels between which transitions occur at a frequency of about 9192 Mcs. In a weak magnetic field these levels are subjected to Zeeman splitting. The system consists of a copper tube 12 mm in diameter, 1200 mm long, in which a high vacuum is maintained. The magnetic field of the system is uniform to within 0.1 oe. The spectral line width is 300 cps, the signal/noise ratio about 100. There are 4 figures and 15 references of which 12 are English and 3 Soviet.

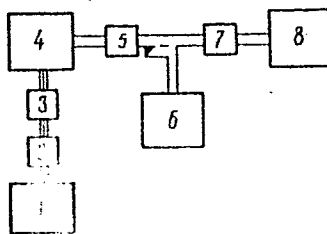
SUBMITTED: January 3, 1960.

Card 1/1

Frèquency Multiplication by a Large Factor
Using a Reflex Klystron

77565
SOV/108-15-2-10/12

voltages on the klystron electrodes, expressions are derived which define: (1) the power of the output signal of frequency $f_{out} = nf_{in}$, where f_{in} is frequency of the input signal; (2) the band width Δf in which a stable multiplication is obtained. Δf depends on the cathode current, the reflector voltage, and on the factor n . The block diagram of an experimental installation for frequency multiplication is shown on Fig. 1.



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Fig. 1.

Frequency Multiplication by a Large Factor
Using a Reflex Klystron

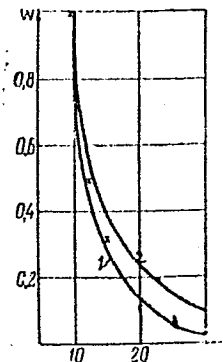
77565
SOV/108-15-2-10/12

Here the input signal from the generator (1) is supplied through the measuring line (2), the attenuator (3), and through a coaxial line to the reflector of klystron (4). The klystron output signal passes through the attenuators (5) and (7) to the spectrum analyzer (6) and power measurer (8), respectively. The klystron operates as a regenerator. The klystron resonator is tuned to the n -th harmonic of the input signal. In the above installation, a standard 3-cm-wave klystron was used and frequencies $f_{out} = n f_{in} = 9,000$ to $10,000$ Mc were obtained. The relationship between the output power and the multiplication factor n is shown on Fig. 2, where the power for $n = 10$ is assumed to be equal one.

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Frequency Multiplication by a Larger Factor
Using a Reflex Klystron

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Fig. 2

Frequency Multiplication by a Larger Factor
Using a Reflex Klystron

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Here the curve (1) is obtained experimentally; the curve (2) is plotted according to the theory. For the considered 3 cm wave, Δf was 3 to 20 mc, the experimental and theoretical results showing a good coincidence. At $n = 30$, an output power of the order of 500 to 1,000 microwatts may be obtained. The author arrives at the conclusion that the suggested multiplication method is extremely simple and reliable. The power of the output oscillation is relatively high. There are 4 figures; and 4 Soviet references.

SUBMITTED: July 16, 1958

Card 5/5

ACC NR: AP6029079 SOURCE CODE: UR/0413/66/000/014/0142/0142

INVENTORS: Zimin, A. I.; Kagarmanov, A. F.; Sverchkov, Yu. S.

ORG: none

TITLE: A hydraulic impulse forge press. Class 58, No. 184131

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 142

TOPIC TAGS: hydraulic equipment, forge press, valve

ABSTRACT: This Author Certificate presents a hydraulic impulse forge press with its power system provided with a hydroaccumulator. The latter propels the working liquid through an impulse valve onto the plunger. To produce the opposite movement of another working plunger, the hydroaccumulator is connected to another closed hydraulic power system with an impulse valve (see Fig. 1). The sizes of both hydraulic power systems are selected to satisfy the condition that the opposite

Card 1/2

UDC: 621.226:621.974.4

ACC NR: APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654110019-3

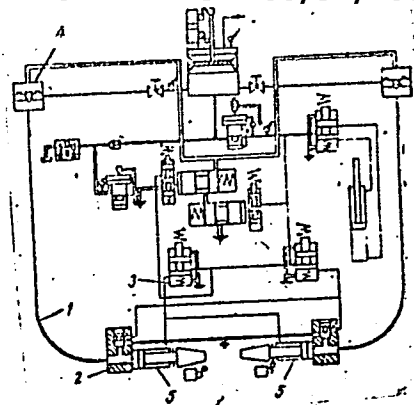


Fig. 1. 1 - working pipe conduit; 2 - valve; 3 - directing valve; 4 - impulse valve; 5 - cylinder with piston

movement of the working plungers occurs simultaneously. Orig. art. has: 1 figure.

SUB CODE: 13/

SUBM DATE: 12May64

Card 2/2

SOV/98-58-12-4/21

AUTHORS: Ogurtsov, A.I. and Sverchkova, M.K., Engineers

TITLE: Investigating the Silting-Up of the Embankment Prism in the Provisional Run of the Kuybyshev Hydroelectric Power Plant (Issledovaniya usloviy namyva pribanketnoy prizmy v prora-ne Kuybyshevskogo gidrouzla)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 12, pp 21 - 23 (USSR)

ABSTRACT: The Nauchno-issledovatel'skiy sektor Gidroproyekta (Scientific Research Section of the Gidroproyekt) has carried out research into the washing-off of dam bankets, which are not covered with a protective filter. Using models, studies were conducted on the penetration of the bottom soil into the pores of the dam banket and its diffusion in the banket prism and into the sediments behind the banket. Based on the completed research, it has now been decided to heap up pebbles on the banket in the provisional run part of the river bed dam, simultaneously placing concrete pyramids and cubes on the banket. The fine pebbles will fill the gaps between the pyramids and cubes, and thus the underwa-

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SOV/98-58-12-4/21

Investigating the Silting-Up of the Embankment Prism in the Provisional
Run of the Kuybyshev Hydroelectric Power Plant

ter part of the provisional run will be silted-up in a
short time without unnecessary losses of soil. There are
3 sets of photos, 3 graphs, and 2 tables.

Card 2/2

KUZ'MINA, M.D.; SVERCHKOVA, T.F.; GOLCVLEV, A.V.; MUKHANOV, K.I., kand.
ekon.nauk; CHERNYKH, V.M., otv.red.; SUSEKOVA, N., red.;
LJKASHEVICH, V., tekhn.red.

[Frontiers of the seven-year plan, 1959-1965] Rubezhi semiletki,
1959-1965. Saratov, Saratovskoe knizhnoe izd-vo, 1960. 168 p.
(MIRA 14:4)

(Russia--Economic policy)

SVERCHOVA, V. S.

"Nervous Regulation of Venous Blood Circulation and the Role of Extracardial Factors in Changes in It." Card Med Sci, Kazakh Medical Institute imeni V. M. Molotov, Alma-Ata, 14 Dec 54. (MR, 23 Nov 54)

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

SO: Sum. No. 521, 2 Jun 55

USSR / Human and Animal Physiology: Vessels. T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70189

Author : Sverchkova, V. S.

Inst : Academy of Sciences Kazan' SSR

Title : Nervous Regulation of Venous Circulation and the Role of Extracardiac Factors in Changes in It

Orig Pub : Izv. AN KazSSR, Ser. med. i fiziol., 1957, No 1 (8), 3-32

Abstract : In acute experiments on 83 dogs and 18 rabbits, recordings were taken of the blood pressure (BP), the venous pressure (VP), and the respirations. Introduction of CO₂ into the upper respiratory tract and asphyxia elicited increases in BP and, in the majority of cases, in VP. The latter effect disappeared upon removal of the sucking action of the thoracic and abdominal cavities by opening these cavities, and, in a number of experiments, following transection of the vago-sympathetic and sympathetic trunks.

Card 1/2

SVERCL, J.

"Auxiliary hydraulic copying equipment for vertical lathes of all types. p. 6"

STROJIRENSKA VYROBA (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia, Vol. 7, No. 1. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6 June 1959
Uncl.

SVERCL, J.; VYSLOUZIL, S.

Automatic welding under flux in the production of thin-sheet pressure vessels. p. 179.

ZVARANIE. (Ministerstvo hutneho prumyslu a rudnych bani a Ministerstvo strojarenstva).
Bartislava, Czechoslovakia. Vol. 8, no. 6, June 1959.

Monthly list of East European Accessions (EEAI) Vol. 9, no. 1, Jan. 1960.

Uncl.

SVERCL, Josef; BARTOS, Harald

Automatic equipment for high-pressure liquid tests. Stroj vyr 11
no.10:522-523 0 '63.

1. Sigma Olomouc, n.p., zavod Lutin.

ACCESSION NR: AP4002857

S/0280/63/000/006/0072/0077

AUTHOR: Voznyuk, L. L. (Kiev); Ivanenko, V. I. (Kiev); Karachenets, D. V. (Kiev); Sverdun, M. L. (Kiev)

TITLE: Synthesis of time optimal control for second-order systems

SOURCE: AN SSSR. Izv. Otdel. tekhn. nauk. Tekhn. kibernetika, no. 6, 1963, 72-77

TOPIC TAGS: time optimal control synthesis, second-order control system, phase space method, optimal switching curve, switching curve determination, second-order differential equation, Cauchy problem, automatic-control system, relay-control system, time optimum problem

ABSTRACT: In earlier works, the hypersurface of sign-changing of the relay element was obtained as a nonlinear function of phase coordinates of the controlled system. In this article, a relay-type control system is considered

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ACCESSION NR: AP4002857

whose linear part is described by a second-order differential equation with an arbitrary-root characteristic equation. Synthesizing a quick-response-optimized control is based on a phase-space method using a speedy simulator for plotting the optimum switching curve. "Experimental investigations showed a satisfactory operation of the system with the processes in the controlled system very near to optimum." No description of any experiments is given. Three oscillograms of transients in the controlled system show the system output variable, its derivative, and the control signal at the input. Orig. art. has: 5 figures and 18 formulas.

ASSOCIATION: none

SUBMITTED: 15Dec62

DATE ACQ: 09Jan64

ENCL: 00

SUB CODE: CG

NO REF SOV: 006

OTHER: 000

Card 2/2

GOL'DIN, M.L., kand.tekhn.nauk; LINETSKIY, I.R., inzh.; SVERDEL', E.I.,
inzh.; YUDOV, Yu.M., inzh.; TATARFNKO, D.T., inzh.;
TOMASHEVSKAYA, L.D., inzh.

Automatic control systems with a closed circuit for the grinding
classification of iron ores. Gor.zhur. no.4:58-63 Ap '64.
(MIRA 17:4)

1. Dnepropetrovskiy metallurgicheskiy zavod-vtuz (for Gol'din).
2. Bazovaya uzotopnaya laboratoriya Khar'kovskogo soveta narodnogo khozyaystva (for Linetskiy).
3. Yuzhnyy gornoobogatitel'nyy kombinat (for Sverdel', Udov, Tatarenko, Tomashevskaya).

SHUPOV, L.P.; BELONozhko, I.F.; GISHCHUK, B.V.; KONONOVA, A.P.; MASLENNIKOVA, K.P.; SVERDEL', E.I.; ARTEMOVA, A.A.

Selection of a synthetic fiber filter cloth for thin iron ore concentrators. Gor.zhur. no.10:60-62 O '64.

(MIRA 18:1)

1. Nauchno-issledovatel'skiy i proyektnyy institut po obogashcheniyu i aglomeratsii rud chernykh metallov, Krivoy Rog (for Shupov, Belonozhko, Gishchuk). 2. Ukrainskiy nauchno-issledovatel'skiy institut po pererabotke iskusstvennogo i sinteticheskogo volokna (for Kononova, Maslennikova). 3. Yuzhnyy gorno-obogatitel'nyy kombinat, Krivoy Rog (for Sverdel', Artemova).

SVERDEL', I. A.

Sverdel', I. S. — "Investigation of Questions of the Energy Consumption in Concentrating Factories of the Iron Ore Industry." Min Higher Education USSR, Sverdlovsk Mining Inst imeni V. V. Vakhrushev, Sverdlovsk, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

АВЕРБУХИ, И. Д.; СВЕРДЕЛ', И. С.

Magnetic Separation of Ores

Standardizing power consumption in dry magnet separation of iron ore. Gor. zhur. 126
no. 6, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, September 1952. Uncl.

SVERDEL', I.S., kandidat tekhnicheskikh nauk.

Analysis of power consumption in ore dressing plants. Gor.shur.
no.6:44-47 Je '56. (MLRA 9:8)

1. Glavnyy energetik Goroblagodatskogo rudoupravleniya.
(Ore dressing) (Electric power)

SVERDEL', Iosif Semenovich; KRASNYANSKIY, Yeleazar Abovich; TAYTS,
A.A., red.; KISELEVA, T.I., red.izd-va; DOBUZHINSKAYA, L.V..
tekhn.red.

[Electric power consumption in iron ore dressing plants]
Elektroispol'zovanie na obogtitel'nykh fabrikakh zhelezorudnoi
promyshlennosti. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
chernoi i tsvetnoi metallurgii, 1959. 148 p. (MIRA 12:8)
(Ore dressing--Equipment and supplies)
(Electricity in mining)

SVERDEL', I.S.; VAKHONIN, G.V.

Automatic loading of jaw crushers. Trudy Uralmekhanobra
no.5:3-10 '59. (MIRA 15:1)

(Crushing machinery)
(Automatic control)

SVERDEL, I.S., kand. tekhn. nauk; FRIDMAN, S.E., inzh.

Action of a changing magnetic field in separating highly magnetic ore in a water medium. Izv. vys. ucheb. zav.; gor. zhur. 6
no.6:195-197 '63. (MIRA 16:8)

1. Kazakhskiy politekhnicheskiy institut (for Sverdel').
2. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki poleznykh iskopayemykh (for Fridman). Rekomendovana kafedroy obshchey elektrotekhniki Kazakhskogo politekhnicheskogo instituta.
(Magnetic separation of ores)

SVERDEL', I.S., inzh.; FRIDMAN, S.E., inzh.; SHUGOL', L.S., inzh.

Dry magnetic separation of finely pulverized strongly magnetic ores.
Izv.vys.ucheb.zav.;gor.zhur. 6 no.11:149-153 '63. (MIRA 17:4)

1. Sokolovsko-Sarbarskiy gornoobogatitel'nyy kombinat (for Sverdel'). 2. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut obogashcheniya i mekhanicheskoy obrabotki poleznykh iskopayemykh (for Fridman, Shugol').

TUNKEL', Naum Ruvimovich; DRUINSKIY, David Isaakovich; KOKH,
Petr Ivanovich; ZLCTIN, Vladimir Isaakovich; SVERDEL',
I.S., kand. tekhn. nauk, dots., retsenzent; GOGEL', I.B.,
inzh., retsenzent; GOL'DSHTEYN, A.G., inzh., retsenzent

[Maintenance based of strip mines] Remontnye bazy kar'erov.
Moskva, Izd-vo "Nedra," 1964. 269 p. (MIRA 17:4)

SVERDEL', I.S., kand.tekhn.nauk

Introducing the means of automation. Gor.shur. no.2:25-28 F
'64. (MIRA 17:4)

1. Glavnyy energetik Sokolovsko-Sarbayskogo gornoobogatitel'nogo kombinata.

SVERDEL', I.S., kand. tekhn. nauk

Automatic control in ore dressing plants. Izv.vys.ucheb. zav.;
gor. zhur. 7 no.3:155-163 '64 (MIRA 17:8)

1. Kazakhskiy politekhnicheskii institut.

PETROV, I.I., dots., kand. tekhn. nauk; SVERDICHENKO, D.Ya., assist.

Using the ZhR-1 radio station for wire communications. Sbor. nauch.
trud. LETIIZHT no.5:167-174 '53. (MIRA 11:3)
(Railroads--Communication systems) (Radio stations)

SVERDLICHENKO, D.YA., kand.tekhn.nauk, dotsent

Study of the possibility of using a reflex klystron in the capacity of an output stage of a transmitter in a pulse modulated radio relay system. Shor. IIZHT no.169:130-134 '60.

(MIRA 13:11)

(Railroads---Communication systems) (Radio relay systems)

LISTOV, V.N.; NOVIKOV, V.A.; PETROV, I.I.; RYAZANTSEV, B.S.;
SVERDLICHENKO, D.Ya.; SOKOLOV, V.F.; TYURIN, V.L.; EYLER, A.A.

Sixtieth anniversary of the birth of an outstanding scientist.
Avtom., telem.i sviaz' 6 no.4:44 Ap '62. (MIRA 15:4)
(Ramlau, Pavl Nikolaevich, 1902-)

ACC NR: AT7000580

SOURCE CODE: UR/2589/65/000/078/0043/0048

AUTHOR: Brzhezinskiy, M. L.; Zorin, D. I.; Sverdlichenko, V. D.

ORG: VNIIM

TITLE: A photometric photoelectric microscope

SOURCE: USSR. Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta, no. 78(138), 1965. Issledovaniya v oblasti lineynykh izmereniy (Research in the field of linear measurements), 43-48

TOPIC TAGS: ~~photoelectric~~ microscope, photoelectric method, photoelectric tracking, optic scanning, photoelectric scanning, automatic scale, reading equipment, metrology

ABSTRACT: A photoelectric, line reading microscope is described. The block diagram of this instrument is shown in Figure 1. Scale 10 is illuminated by the light source 3 through the beam splitter 2 and the objective 1. The scale plane is imaged by the relay lens system 4 into the plane of the optical chopper 5 (in the form of a vibrating split) driven by two electromagnets. A photodetector 6 receives the light from the optical scanning system and generates electrical signals proportional to the instantaneous values of the light flux. The photodetector output is amplified in the amplifier 7 and demodulated in a phase sensitive ring demodulator 8. The resulting dc signal, proportional to the displacement of the microscope main axis from the center of

Card 1/3

ACC NR: AT7000580

the line being scanned, is displayed on a zero-center meter. When the instrument is properly calibrated and is operating correctly, the meter will indicate zero when the microscope axis coincides with the center of the line. The vibrating slit is driven at line frequency (50 Hz), hence the output of the photodetector (6) contains a fundamental frequency component at that frequency, as well as the second and higher harmonics. Since both the line image and the vibrating slit affect the light flux to the photodetector, the ratio of the second (and other even harmonics) to the fundamental (and other odd harmonics) depends on the relative position of the microscope optical axis to the center of the line. As the center of the line is approached this ratio increases until at coincidence no fundamental component is present in the signal. The phase of the fundamental with respect to the phase of the line frequency corresponds to the relative position--to the left, or to the right--of the scanning system with respect to the scale line. The ring demodulator, because it uses line frequency as reference,

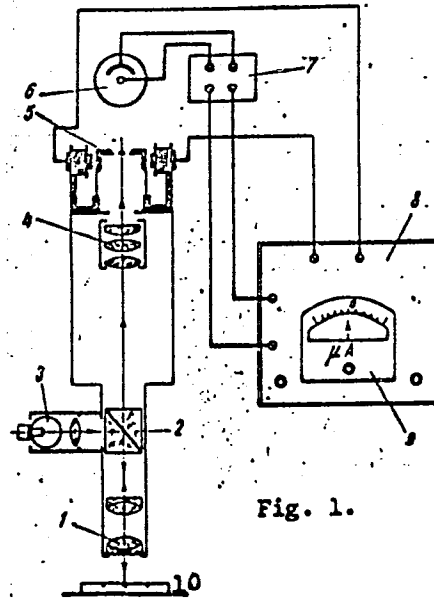


Fig. 1.

Card-2/3

L 41020-65 EWT(1)/EWA(h) Feb
ACCESSION NR: AP5008561

s/0286/65/000/006/0073/0073

AUTHORS: Panfilov, I. V.; Sverdlik, A. N.; Myshkin, G. P.; Sukonkin, A. P.; Aref'yev, Yu. I.

12
B

TITLE: A generator for normal distributions of random numbers for a Ural-1 electronic computer. Class 42, No. 169290

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 73

INDEX TAGS: normal distribution, random number generation/ Ural 1 electronic computer

ABSTRACT: This Author Certificate presents a generator of normally distributed random numbers for a "Ural-1" electronic computer. The generator includes an equally probable data unit and is designed to increase the generation speed of normally distributed numbers. It contains "I" circuits with their inputs connected to the reference number register, whose outputs are connected to the machine adder. The generator also contains a control circuit with the respective orders of the register connected in series to the adder. The input of the adder is connected to the control circuit. The outputs of the adders are connected with the controlling elements of the computer.

Card 1/2

L 41320-65

REF ID: A7500856

ASSOCIATION: none

SUBMITTED: 28Apr62

NO REF SCV: 000

ENCL: 00

OTHER: 000

SUB CODE: DP, MA

W
Card 2/2

... 2015 ... 1965/000/000/0130/0134
ACCESSION NR: AT5014720

... I.V. Piontsov, I.V. Sverdlik, A.N. ...

... with ... signal recording and reading ...
... (Rapid and ... 1965, 130-134

... possible an increase in the ... by a factor of 10 to ...
... tolerances within 10-20 μ
... On the other hand, in the ...
... hermetically ...

Card 1 2

61639-65

ACCESSION NR: AT5014720

solutions of magnetic drums, tapes, and disks. The recording head block consists
of a thin layer of magnetodielectric. Orig.

NO REF SOV: 000

OTHER: 000

Card 2/2

SVERDLIK, B.D. (Karaganda, pr. Stalina, d.5, kv.16)

Necrosis of both upper extremities following electric current injury.
Nov.khir.arkh. no.6:102 N-D '59. (MIRA 13:4)

1. Khirurgicheskoye otdeleniye Karagandinskoy gorodskoy bol'nitsy.
(EXTREMITIES, UPPER--NECROSIS)
(ELECTRICITY, INJURIES FROM)