

L 11826-66
ACC NR: AP6001569

The code pulses separate the reference pulses from the detector signals after amplification. These same code pulses prevent registration of the reference pulses when the detector signals are being recorded. Pulses from a second amplitude-controlled oscillator may also be fed to the preamplifier input for simulating detector signals when checking the operation of the device. From the output of the preamplifier, the signals being studied and the reference pulses are fed to the third grid of a 6A3P tube, which controls amplification during stabilization. Amplification control voltage from the stabilization unit is fed to the first grid of this tube. The signals are then amplified by a UIS-II amplifier and fed through the expander to the amplitude analyzer. The various sections of the unit are described in detail, with diagrams of the cooling unit, low-noise preamplifier, expander, stabilization circuit, and output stage of the amplitude-controlled oscillator. Tests showed that continuous-duty stability of the analyzer is better than 0.15% with no apparent effects of interference from the cyclotron with which it is designed to be used. The authors thank S. M. Ryvkin, O. A. Matveyev, and N. B. Strokan for graciously supplying experimental detector models. Orig. art. has: 8 figures.

3

[08]

SUB CODE: 40, 09 / SUBM DATE: 17Oct64 / ORIG REF: 003 / OTH REF: 001 / ATD PRESS: //71

HW
Card 3/3

GAL'PERIN, L.N.; MASHKINOV, L.B.; SOKOLOV, D.N.

Laboratory automatically-integrating chromatograph. Izm. tekhn.
no.11:50-51 N '65. (MIRA 18:12)

ACC NR: AP6034227

(N)

SOURCE CODE: UR/0120/66/000/005/0110/0114

AUTHOR: Nazarov, V. B.; Zabrodin, V. A.; Kirillov, P. K.; Gal'perin, L. N.

ORG: Affiliate of the Institute of Chemical Physics, AN SSSR, Chernogolovka (Filial Instituta khimicheskoy fiziki AN SSSR)

TITLE: Reversible digital to analog converter counter based on decatrons

SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1966, 110-114.

TOPIC TAGS: pulse counter, digital analog converter

ABSTRACT: Figure 1 shows a simplified diagram of the digital to analog converter, associated with an up-down counter utilizing decatrons as counting elements. Such a counter is frequently needed in automatic control applications, where it is necessary to obtain a voltage proportional to the accumulated number of pulses. While the actual counter circuitry is conventional for use with decade counting and glow transfer tubes, the method of digital to analog conversion is quite unusual. As shown in figure 1, each decade is equipped with a bank of resistors. One resistor is associated with each cathode (except "0") in each of the three decatrons. The resistor values are weighted to generate output voltage exactly proportional to the instantaneous accumulated pulse count stored in the decatrons. Constant current sources are used to supply each of the tubes. The design of the current sources is conventional, utilizing a series triode in

UDC: 621.374.324

Card 1/2

ACC NR: AP6C34227

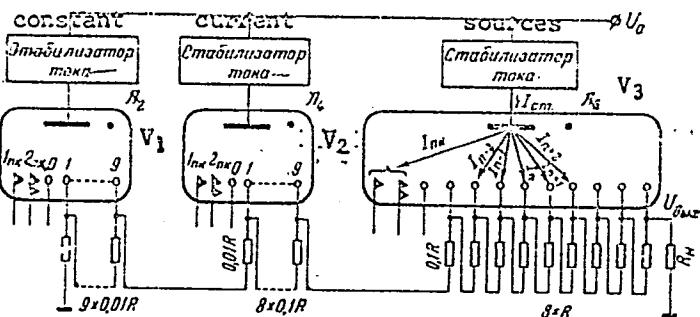


Fig. 1.

which the grid bias is maintained constant by a transistor network with a voltage reference in the form of a glow tube. The expressions for the output voltage and the predictable errors are given as functions of the pulse count and the circuit parameters. The total conversion error does not exceed 0.1% for temperature fluctuation of $\pm 5^\circ\text{C}$ and line voltage changes of $\pm 10\%$. Transistor logic is utilized in the input signal and the steering control. The instrument can be used for generation of extremely long ramp voltages. In this case the input pulses are generated by a crystal controlled oscillator. Orig. art. has: 4 figures, 5 formulas.

SUB CODE: 09/ SUBM DATE: 27Aug65/ ORIG REF: 003/ OTH REF: 001

Card 2/2

VASIL'YEVA, A.V.; STEPANYAN, Ye.G.; GAL'PERIN, I.P.; YURKO, L.P.; ORAKAYEVA, N.S.

Epidemiology of typhus abdominalis and paratyphoid fever in the
City of Ashkhabad. Zdrav. Turk. 5 no.4:14-16 Jl-Ag '61.

(MIRA 14:10)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (direktor -
dotsent Ye.S.Popova).

(ASHKABAD—TYPHOID FEVER) (PARATYPHOID FEVER)

ACC NR: AP6026945

SOURCE CODE: UR/0115/66/000/C07/0015/0017

AUTHOR: Gal'perin, L. N.; Dovbiy, Ye. V.

ORG: none

TITLE: Discrete instrument for measuring average rates of long slowly-varying weak signals.

SOURCE: Izmeritel'naya tekhnika, no. 7, 1966, 15-17

TOPIC TAGS: digital integrator, industrial automation

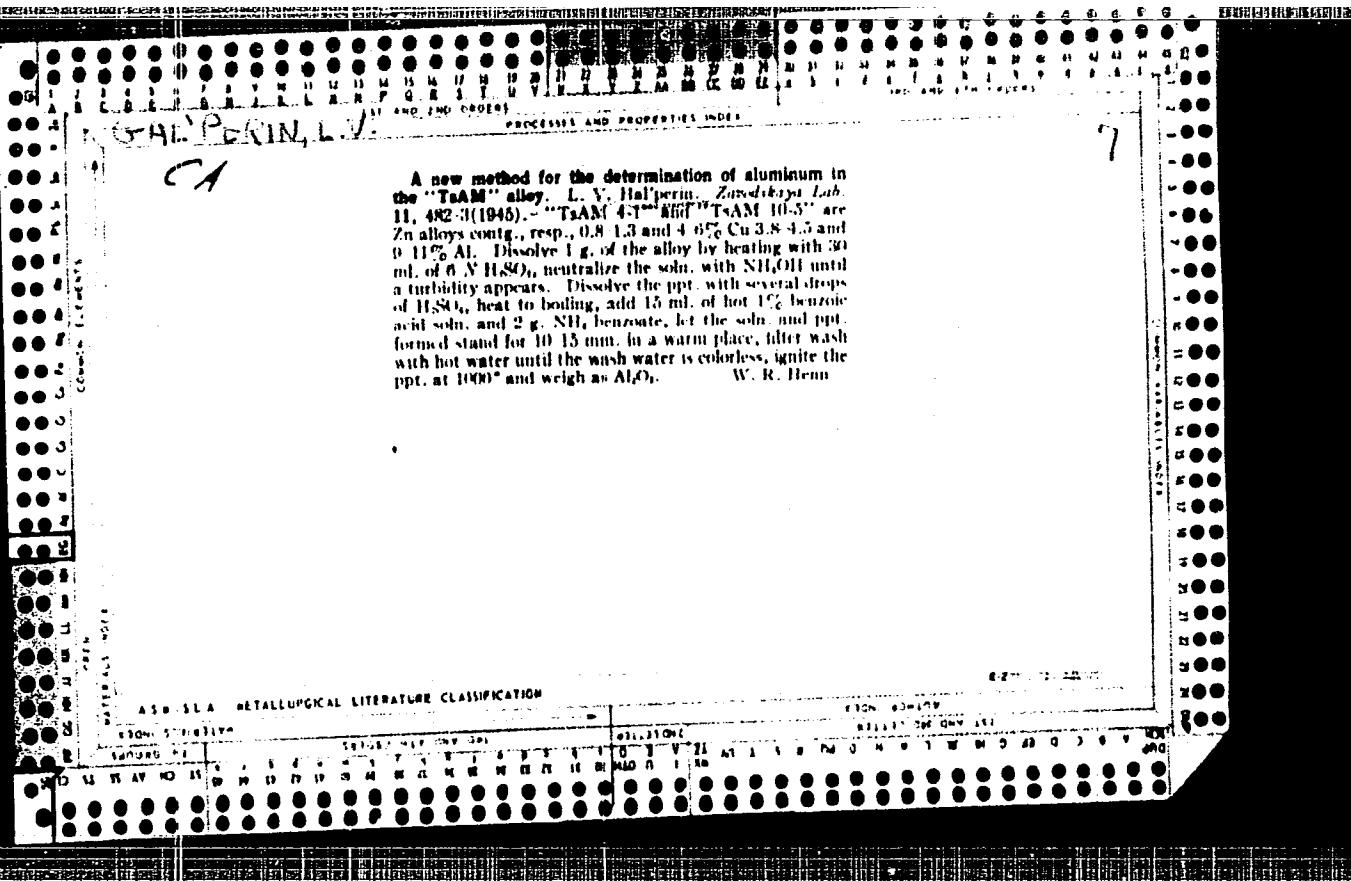
ABSTRACT: The new instrument uses a discrete integration (instead of differentiation) principle which is little sensitive to certain noise. The principal circuit of the instrument ensures the measuring interval $\Delta t = \text{const.}$ and the time between intervals $t_0 = \text{const.}$; integration of the input function during Δt in the beginning and the end of the measuring cycle; subtraction of the results by the end of the measuring cycle; recording of $U(t)$ and $\int U(t) dt - \int U_0(t) dt$; and restoration of the system to its initial state for the new cycle. A block diagram of the instrument having an 800-sec cycle ($\Delta t = 100$ sec, $t_0 = 600$ sec) is explained. An experimental model of the instrument developed at the IKhF AN SSSR has 11 fixed ranges for maximum input signals 50--500 μv and maximum rates of change of the input signal 0.1--4 $\mu\text{v}/\text{min}$; maximum time of continuous recording, over 10 hrs. Claimed instrument error, $\pm 3.2\%$.
Orig. art. has: 1 figure and 6 formulas.

SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 003

Card 1/1

UDC: 681.142.644.3

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<p><i>CA</i></p> <p>PROCEDURE AND PROPERTY NOTE</p> <p>Photocolorimetric determination of titanium in refractory steel by the cupferron method L. V. Gol'darin, Zavodskaya Lab. 11, No. 1, 103-9010151. Comparative titrations of Ti by various methods with standard samples contg. 0.40 and 0.12% of Ti indicated that the best results are obtained by the cupferron method. Dissolve the samples in 50 ml. of 7 N H₂SO₄, oxidize by adding concd. HNO₃ dropwise. Evap. until SO₃ fumes appear, add 100 ml. of water, filter and wash several times with 1.2 N HCl. Ignite the Na₂O residue, heat with HF + Na₂BO₃, fuse the residue with 2 g. of K₂SiO₃, ext. the melt with water, and add the soln. to the main filtrate. Add the contents of the filters and, dropwise with shaking, 1.5 ml. of 5% cupferron soln. to this filtrate. Let the ppt. of Fe and Ti settle for 10-15 min., filter, wash 10 times with 5% H₂O₂ and 7 times with 5% of NH₄OH by vol. to remove W and Mo. Ignite the residue, and fuse with K₂NaCO₃. Ext. the melt with hot water, add 1 ml. of 25% NaOH, boil slightly, and filter (the residue contains Na₂TiO₄ and Fe(OH)₃), the soln. contains V, wash the filter with hot 1% Na₂CO₃, dry, ignite in a Pt crucible, and fuse with K₂SiO₃. Ext. the melt in (5 ml. of 10% H₂SO₄, heat the soln. (if not clear), cool, transfer to a 100-ml. measuring flask, add distd. water to the mark, and measure in the photocolorimeter the color produced in an aliquot treated with Na₂O₂. Five references.</p> <p style="text-align: right;">W. R. Henn</p>																																																																																																					
<p>A.I.D.-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">SECOND DIVISION</th> <th colspan="2" style="text-align: center;">SECOND SUB-DIVISION</th> <th colspan="2" style="text-align: center;">CLASSIFICATION</th> <th colspan="2" style="text-align: center;">SECOND DIVISION</th> <th colspan="2" style="text-align: right;">SECOND SUB-DIVISION</th> </tr> <tr> <th colspan="2" style="text-align: left;">SUBDIVISION</th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> </tr> <tr> <th colspan="2" style="text-align: left;">140000-12</th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> </tbody> </table>												SECOND DIVISION		SECOND SUB-DIVISION		CLASSIFICATION		SECOND DIVISION		SECOND SUB-DIVISION		SUBDIVISION										140000-12										1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
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ANATOL'YEVSKIY, P.A., inzh.; GAL'PERIN, L.V., inzh.

Suction boring during erection of bridge pile foundations. Transp.
stroi. 13 no.9:68-70 S '63. (MIRA 16:12)

ANATOL'YEVSKIY, P.A.; GAL'PERIN, L.V.

Installation of a seepage control curtain by the suction boring method.
Osn. fund.i mekh.grun. 6 no.l:31-32 '64. (MIRA 17:2)

ANATOL'YEVSKIY, P.A., inzh.; GAL'PERIN, L.V., inzh.

Rotary and suction method of boring. Gor.zhur. no.4:75-77 Ap
'64. (MIRA 17:4)

1. Gosudarstvennyy institut po proyektirovaniyu spetsial'nykh
sooruzheniy promyshlennogo stroitel'stva Gosstroya SSSR.

ANATOL'YEVSKIY, P.A., inzh.; GAL'PERIN, L.V., inzh.

Construction and calculation of radiant water intakes in the
Federal Republic of Germany. Vod. i san. tekhn. no.9:36~38 S
'64. (MIRA 17:11)

ANATOL'YEVSKIY, Pavel Aramovich; GAL'PERIN, Leonid Vladimirovich;
KAZ'IN-BALASHOV, A.I., inzh., nauchn. red.

[Intakes for underground water; practices abroad in de-signing, constructing, and maintaining radial intakes] Vodozabor podzemnykh vod; zarubezhnyi opyt proektirovaniia, stroitel'stva i ekspluatatsii luchevykh vodozaborov. Moskva, Stroizdat, 1965. 117 p. (MIRA 18:10)

TALOVA, N.A.; CALIFERIN, L.V.

Underwater tanks for storing petroleum by the "Seotank" method. Stroi. truboprov. 10 no. 11:35-36 N *65.

(MINA 18:12)

C. 4

2-5

Ex-32 *Chemical & Ind.*

Utilization of Fixatives DTsU and DTsM. L. Ya. Gal'perin and M. M. Gol'tsman, *Izobranie Prom. Khim.-Org. 1973, No. 4, p. 98* (1973). DTsU is the acetate of the base DTs and is formed by the hydrolysis in HOAc of the resin obtained by condensing diacetylaldehyde with HCHO while DTsM is the copper deriv. of DTsU. Direct-dyed, dark-colored knitted material is thoroughly washed and treated for 20 min. at 35° in bath contg. 3 g./l. of fixative. DTsU increases resistance against laundering at 40°, perspiration, and wet rubbing but not against dry rubbing. Resistance against light is decreased (according to literature data). DTsM does not have these drawbacks. W. Z. Kamach

ROZHNOV, V.Ye; TUROVA, Z.G.; GAL'PERIN, L. Ye. (Moskva)

Some neurodynamic and biochemical changes in chronic alcoholics under the influence of small doses of alcohol. Trudy Gos. nauch-iscl. inst. psikh. 38:203-210 '63. (MIRA 16:11)

YAKIMUK, P.G., inzhener-mekhanik; VASILYUK, N.F.; GAL'PERIN, L.Yu.;
ZAYTSEV, T.F.; KARPEN'KO, S.A.; STEPANENKO, A.N.; YAVORSKIY, A.A.;
SHAGOMYALO, V.I., redaktor; GURZHIIY, M.Ye., tekhnicheskij redaktor

[Tractor operator's manual] Sprevochnik traktorista. Izd.4-oe,
perer. i dop. Kiev, Gos.izd-vo selkhoz.lit-ry USSR, 1955. 519 p.
(Tractors--Handbooks, manuals, etc) (MIRA 9:1)

GAL'PERIN, L.Yu.

VASILYUK, N.F.; GAL'PERIN, L.Yu.; ZAYTSEV, T.F., KARPENKO, S.A.; STEPANENKO, A.N.; YAVORSKIY, A.A.; YAKIMUK, P.G., inzhener-mekhanik, redaktor; KOZAK, F.Ye., redaktor; CHEREVATSKIY, S.A., tekhnicheskiy redaktor

[Handbook for tractor operators] Spravochnik traktorista. Izd. 5-e, perer. i dop. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1956. 471 p.
(Tractors) (MLRA 10:4)

SIZOV, A.A., inzh.; GAL'PERIN, L.Yu., arkhitektor

Technical and economic efficiency of buildings constructed by
the method of lifting. Biul.tekh.inform.po stroi. 5 no.12:
3-4 59. (MIRA 13:4)
(Leningrad--Apartment houses)

MOROZOVSKAYA, M.I.; DEMCHENKO, I.A.; TISHCHENKO, O.D.; GORELYSHEVA, I.I.;
YEVLAKHOVA, V.F.; NADTOCHKIY, S.S.; GAL'PERIN, L.Yu; BELIY, Ya.M.;
LAZEBNYY, N.V.; DRIVENKO, V.I.; SERVINEKO, G.A.; SHEVCHUK, M.K.;
D'YACHENKO, V.I.; AGAFONOV, N.I.; BESFAMIL'NAYA, P.S., CHERNENKO, Yu.L.

Preventive antimalaria measures for lumberjacks employed in clearing
the bed of the future Kakhovka Reservoir. Med.paraz. i paraz.bol.24
no.3:207-208 J1-S '55. (MLRA 8:12)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta malyarii i
meditsinskoy parazitologii imeni prof. V. Ya. Rubashkina (dir.
instituta I.S.Demchenko) i Zaporozhskoy, Dnepropetrovskoy i
Khersonskoy oblastnykh protivomalyariynikh stantsiy.

(MALARIA, prevention and control,
in Russia, in forest workers)

GAL'PERIN, L.Yu.; ZUSSER, A.P.; IOFFE, M.I.; MINTS, V.M.; SIZOV, A.A.;
STAROVLOYTOV, I.F., red. izd.-va; PUL'KINA, Ye.A., tekhn. red.

[Experience in the design and erection of buildings by elevat-
ing the stories] Opyt proektirovaniia i montazha zdanii meto-
dom pod'em na etazhei. Leningrad, Gosstroizdat, 1962. 147 p.
(MIRA 15:8)

(Precast concrete construction)
(Hoisting machinery)

GAL'PERIN, M.

GAL'PERIN, M., kand.tekhn.nauk; ABEZGAUZ, V., inzh.

Mechanized work on frozen soils. Stroitel' no.11:12 N '57.
(MIRA 10:12)

(Excavating machinery)
(Earthwork--Cold weather conditions)

GAL'PERIN, Mariya.

[Angiography of the brain; angiographic symptomatology of tumors of the big hemispheres] Angiografiia golevnogo mozga; angiograficheskaiia symptomatologija opukhelei bol'shikh polusharii.
[Leningrad] Medgiz, 1950. 145 p. (MLRA 9:4)
(BRAIN--TUMORS) (DIAGNOSIS, RADIOSCOPIC)

GAL'PERIN, M., kand. tekhn. nauk; ABEZGAUS, V., inzh.

Operations of vibrators. Stroitel' no.1:27-29 Ja '58. (MIRA 11:2)
(Vibrators)

84-58-6-29/59

AUTHOR: Gal'perin, M., Engineer

TITLE: The An-10 Aircraft - Electrical Equipment (Samolet An-10 -
- Elektrooborudovaniye)

PERIODICAL: Grazhdanskaya aviaciya, 1958, Nr 6, pp 28-29 (USSR)

ABSTRACT: The article describes, in some detail, but in general terms the power supply system of the new airliner, the total output of which is 128 kilowatts. The high degree of electrification is also illustrated by the total cable length, which is between 40 and 45 kilometers.

1. Aircraft--USSR 2. Power supplies--Applications

Card 1/1

ACCESSION NR: AP4044124

S/0084/64/000/008/0023/0029

AUTHOR: Gal'perin, M. (Engineer); Ushakov, O. (Engineer); Vasil'chenko, G (Engineer)

TITLE: The resource is doubled

SOURCE: Grazhdanskaya aviaciya, no. 8, 1964, 28-29

TOPIC TAGS: piston aircraft, scoring, local overheating, connecting rod, cylinder, side pressure, lubricant, oil

ABSTRACT: This article deals with the necessity of increasing the reliability and resources of piston aircraft. In the case of the Il-14, Il-12 and An-2 aircraft the main cause of trouble seems to be the scoring of the pistons no. 2 and 5 caused by local overheating and side pressure. These two pistons, coupled to the main connecting rods, are acted upon by forces of 2035 and 1600 kg during compression and expansion, respectively. The Omsk aircraft factory has solved the problem of decreasing the side pressure on the working surface of the pistons by means of decreasing the deformation of the cylinders through constant and uniform air cooling. The Omsk designers have succeeded in lowering the piston temperature, improving the cylinder lubricants and finally, reducing the loss of horsepower of the cylinders of

Card 1/2

ACCESSION NR: AP4044124

the main connecting rods. All these improvements have almost doubled the life span of these piston engines. Orig. art. has: 7 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODES: AC

NO REF SOV: 000

OTHER: 000

Card 2/2

ACC NR: AP6032241

SOURCE CODE: UR/0084/66/000/010/0022/0022

AUTHOR: Gal'perin, M. (Engineer, Omsk); Vasil'chenko, G. (Engineer, Omsk)

ORG: none

TITLE: Introducing centrifugal oil cleaner

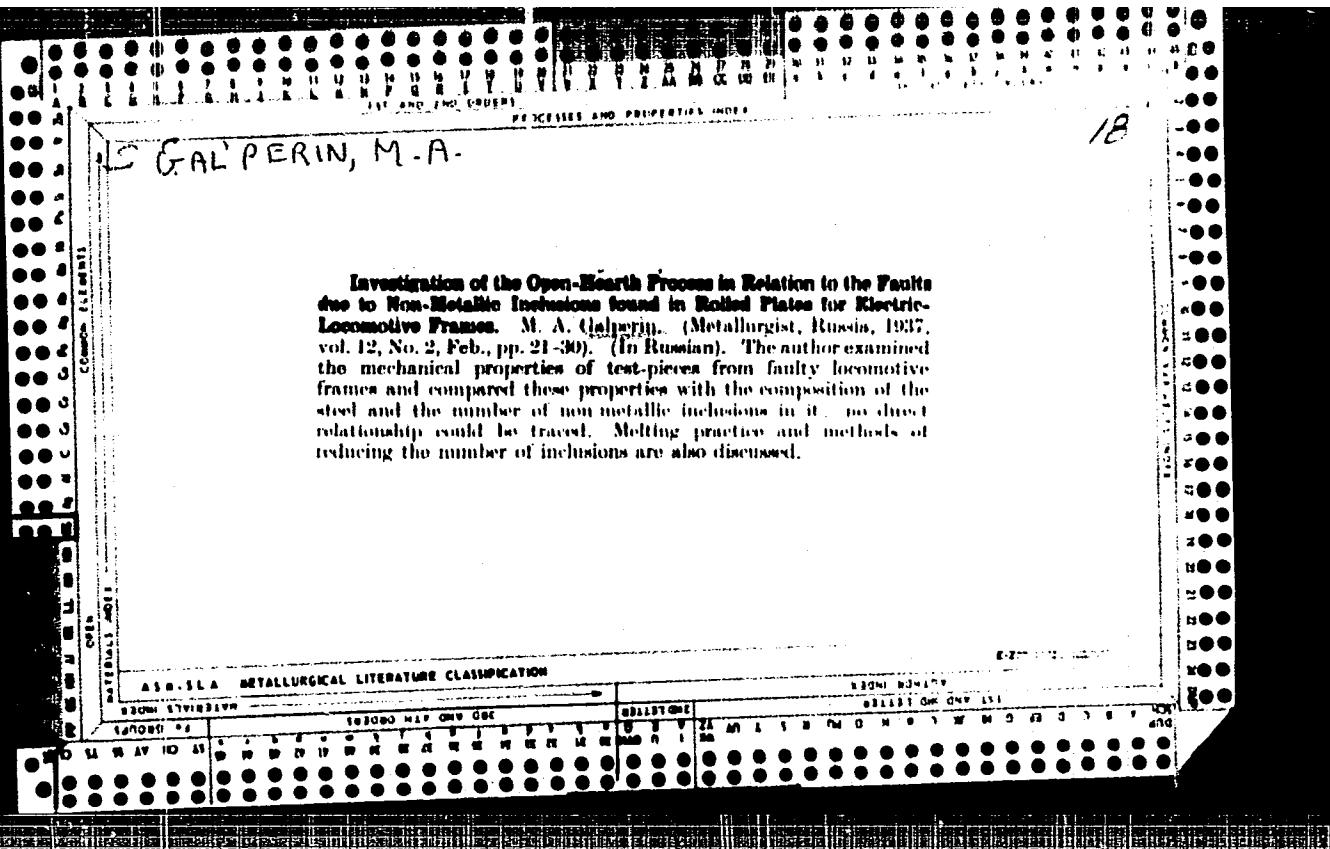
SOURCE: Grazhdanskaya aviatsiya, no. 10, 1966, 22

TOPIC TAGS: oil cleaning device, aviation oil cleaner, ~~oil cleaning~~ centrifuge, fuel oil, fuel contamination, lubricating oil, petroleum refinery equipment, aircraft engine, aircraft fuel system equipment, ASh-82V engine, ASh-82T engine

ABSTRACT: A centrifugal oil cleaner has been designed at the Omsk Engine Building Plant im. Baranov to clean impurities from aviation oils, which results from the operation of ASh-82V and ASh-82T engines on Il-14 airplanes and Mi-4 helicopters. Oil, injected into the centrifuge through tangentially located nozzles, imparts a circular motion to the centrifuge rotor. When the oil pressure reaches 3—4 kg/cm², the rotor spins at 5000 rpm. The heavy particles settle on the walls of the centrifuge, while the cleaned oil flows through the nozzles into the housing and is pumped out. A detailed description and drawing of the centrifugal oil cleaner are given. Orig. art. has: 1 figure.

SUB CODE: 21, 01, 11 / SUBM DATE: none

Card 1/1



25(1) PHASE I BOOK EXPLOITATION

SOV/2050

G. N. P. R. 5/11/77

Stavka Oborony SSSR, [Typo] 1 (Welding). Collection of Articles. Brp 1) Leningrad, Sudpromgiz, 1958. 246 p. 4,000 copies printed.

Resp. Ed.: G. I. Kopyrin, Candidate of Technical Sciences; I. A. Zhuravskaya, Tech. Ed.; K. M. Volchok.

PURPOSE: This collection of articles is intended for use in research institutes, institutes of higher learning, design offices, and plants.

COVERAGE: These technical papers deal with the results of research in welding technology. The main purpose of this work was to investigate the effects of various welding regimes and heat treatments on the mechanical properties of welds of various compositions. A number of experiments were made with the welding process and welding properties of nonferrous metals. The research was to establish the relationship between the geometry of the weld seam and its physical properties. The crystallization of the weld, its mechanical properties, and the various factors affecting the grain structure, and the various factors of scientists. Of special practical interest is the study of the behavior of a welded structure in which the elasticity of the material and of the welded joint are not within the same range. These considerations lead to experiments with mechanically induced changes in the properties of the weld seam. Another problem which presents many difficulties in welding is the behavior and changes in the heat-affected zone next to the welded joint. One of the papers deals with experiments in this field. A description is given of the equipment and the technique used in electrode arc welding, which is regarded as one of the major advances in modern welding technology. Several papers deal with welding techniques of non-ferrous alloys and with the use of special fluxes for this work. Most of the papers are profusely illustrated with graphs, diagrams, and photographs. References are given after each article.

TABLE OF CONTENTS:

Welding (Cont.)

SOV/2050

Gol'dberg, M. A., Candidate of Technical Sciences; V. V. Ardentov; Yu. V. Tsvetkov, Engineer and Z. I. Kopel'man-Serpukhova. Study of Effect of Prolonged Heat Treatment on Physical and Mechanical Properties of Austenitic Weld Seam Metal [7]

Baranov, B. P., Engineer and R. A. Korlov. Effect of Kind of Current on Quality of Welds in Automatic Welding [86]

Roshalskiy, A. I., Candidate of Technical Sciences. A Method of Increasing Durability of Weld Seams in Welding of High-strength Steel [95]

Ivanov, F. I., Candidate of Technical Sciences. The Nature of Deformation of Butt-welded Joints in Plastic Deformation by Concentrated Load [101]

Molchanova, L. G., Candidate of Technical Sciences. Effect of the Structural Form of a Welded Joint on Its Durability [115]

Semenikov, A. L., Candidate of Technical Sciences. Effect of Plane on Durability of Welded Joints [126]

Card 4/6

5

GAL'PERIN, M.A., kand.tekhn.nauk; ARDINTOV, V.V.; IVANOV, K.M., inzh.;
KOPEL'MAN-SERPUKHOVA, Z.I.

Studying the effect of prolonged heat treatment on the physico-mechanical properties of deposited austenitic metal. Svarka 1:73-85 '58. (MIRA 12:8)

(Hard facing--Testing)
(Electrodes--Testing)
(Metals at high temperature)

25(1)

SOV/125-59-1-6/15

AUTHOR:

Gal'perin, M.A. A'dentov, V.V.

TITLE:

The Influence of the Prolonged Tempering of Austenite Welded-On Metal on its Tendency to Intercrystalline Corrosion (Vliyanie dlitel'nogo stareniya austenitnogo naplavlennogo metalla na sklonnost' yego k mezhkristallitnoy korrozii)

PERIODICAL:

Avtomicheskaya s'arka. 1959, Nr 1, p 36-42 (USSR)

ABSTRACT:

If a welded structure of 1Kh18N9T-type steel is put into operation under higher temperature conditions, the tendency of the steel and of the metal to intercrystalline corrosion must be determined by methods prescribed by GOST, and after prolonged tempering at working temperatures. The fitness of a material designed to operate under concrete conditions can be determined only after all data had been duly examined. A prolonged tempering at 500°C of the 1Kh18N9T-type steel and of Kh18N9B, Kh18N9B, Kh18N9M3, Kh18N9FOM-type welded-on metals, abruptly decreases the metal resistance to such corrosion. It has been proved experimentally that a loss of

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25(1)

SOV/125-59-1-6/15

The Influence of the Prolonged Tempering of Austenite Welded On Metal
on its Tendency to Intercrystalline Corrosion

metal resistance to such corrosion may be ascribed to
changes in composition in the carbide phase, especially
to an increase of chromium. There are four tables, two
photos, one graph, and two Soviet references.

ASSOCIATION: TepNII GKS

SUBMITTED: May 7, 1959

Card 2/2

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R000614130002-4

GAL'PERIN, M.A., kand.tekhn.nauk

Effect of heat treatment on the properties of fusion edges in welding
dissimilar steels. Svarka 2 '59.
(Steel-Welding) (Welding-Testing) (MIRA 14:5)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R000614130002-4"

GAL'PERIN, M.A., kand.tekhn.nauk

Structural changes in the boundary zone of weld joints in dissimilar
steels. Svarka 2:47-57 '59.
(Steel-Welding) (Steel-Metallography) (MIRA 14:5)

GAL'PERIN, M.A., kand.tekhn.nauk; ARDENTOV, V.V., kand.tekhn.nauk; IVANOV,
K.M., inzh.

Tendency toward intercrystallite corrosion in austenitic filler metal
depending on temperature and time of aging. Svarka 2:71-76 '59.

(Steel--Corrosion) (Metals, Effect of temperature on)
(MIRA 14:5)

GAL'PERIN, M.D., professor, doktor meditsinskikh nauk; ZAYCHIKOVA, N.A.

The role of V.M.Bekhterev in the development of neurorentgenology
in Russia. Vest.rent. i rad. 31 no.5:91-93 S-O '56. (MLRA 10:1)

1. Iz rentgenologicheskogo otdeleniya (zav. - prof. M.D.Gal'perin)
Psichoneurologicheskogo instituta imeni V.M.Bekhtereva (dir. - prof.
V.N.Myasishchev)
(BRAIN, radiography
contribution of V.M.Bekhterev)
(BEKTEREV, VLADIMIR MIKHAILOVICH, 1857-1927)

GAL'PERIN, M.D.
GAL'PERIN, M.D., prof.

Angiographic symptoms of tumors and of some other diseases
simulating tumors of the brain. Vop. neirokhir. 21 no.6:3-9
N-D '57. (MIRA 11:2)

1. Rentgenologicheskaya otdeleliye Leningradskogo psikhoneurolo-
gicheskogo instituta imeni V.M.Bekhtereva.

(BRAIN NEOPLASMS, differ, diag.

angiography)

(ANGIOGRAPHY, CEREBRAL, in various dis.
brain cancer, differ, diag.)

GAL'PERIN, M.D., prof., ZAYCHIKOVA, N.A., starshiy nauchnyy sotrudnik

Radiation damage to the skull. Vest.rent. i rad. 33 no.5:96-98
S-O '58 (MIRA 11:11)

1. Iz rentgenologicheskogo otdeleniya Leningradskogo psikhonevrologi-
cheskogo instituta imeni V.M. Bekhtereva (dir. - prof. V.N. Myasishchev)
(RADIATION, inj. eff.
on cranium (Rus))
(CRANIUM, eff. of radiations on
inj. eff. (Rus))

GALPERIN, M.D.

890 Experiences with Irradiation of Patients with Cerebral Tumours

GALPERIN, M.D.

Leningrad (Soviet Union)

At present surgical and post-irradiation treatment are regarded as being the most effective therapy. The combined methods occasionally prove to be highly beneficial.

The results of surgery are often either method of treatment of tumours is early diagnosis. For the successful treatment of brain tumours it should be noted that the method is all important. The surgical and irradiation treatments are not competitive. Taking into consideration the position of the tumour, its extent, its biological structure, the characteristics of the disease, the racing and the general condition of the patient, preference should be given to one or the other method.

The author examined recent and past results of irradiation and combined irradiation and surgical treatment of brain tumours during 1951-1959. 159 case histories of patients of the Roentgen-Radiological Department of the Brudzewski Institute of Neuro-Psychiatry were evaluated.

Irradiation was performed on patients with tumours of varied localizations and of different histological structure. Comparative assessment of the results of the different methods of irradiation in the patients was carried out, depending on the biopotency of the tumor.

Analysis of these case histories indicates that the elaborated and applicable methods of irradiation of brain tumours prolong considerably the life of the patients and have an immediate, marked curative effect.

The complications occurring during treatment as well as afterwards were also studied. Clinical indications and contraindications of irradiation of patients with brain tumours were elaborated.

890 Effect of the Chronic Influence of Low Doses of Ionizing Irradiation on the Humoral and Cell-Linked Immunity in Animal Experiments

KINSKIEV, P.N. 415ELEV

Leningrad (Soviet Union)

The authors investigated the changes in natural immunity and immunogenic processes in laboratory animals under chronic irradiation with low doses of gamma rays of Co^{60} . The dose performance of the irradiation was 0.01-0.5 rads. The time of irradiation lasted from 50 days to 2 years. The total dose was 50-2,000 r. The effect of the low doses of radiation led to the development of chronic radiation illness. On this basis the disorder in the humoral and cellular natural immunity and immunogenesis was investigated, with the following results:

1. Under chronic, uninterrupted action, lethal radiation disease develops through auto-infection. The total lethal dose exceeds the single dose by 2-6 times. Chronic radiation illness is manifested by negligible leucopenia preceded by a phase of leucocytosis.
2. Under chronic radiation natural immunity and immunogenesis are disturbed. Reduction of natural immunoprecipitation appears after 9-10 months and becomes manifested by a reduction of bactericidity of the blood. A decrease in the activity of phagocytic activity of the leucocytes. A change in the titre of the complement was observed only as late as after 10-12 months. Bacteremia is preceded by reduced bactericidity of the blood.
3. The disturbance of cellular immunity is indicated by an increased sensitivity to toxins, an enhanced reproduction of virus, by a lowering of the megakaryocytic and digestive capability of the reticulo-endothelial cells.

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Presented at the Ninth International Congress of Radiology, Munich, 23-30 July 1959.

No. 891-892

1. The most marked reduction of natural immunity occurs in young animals born of irradiated parents and subjected during the period of endocrinogenesis to the effect of irradiation.

2. Chronic irradiation of an organism leads to disturbance of immunogenesis. However, at an irradiation dose equal to or slightly over the production of antibodies is not suppressed. These differences are connected with the adaptive mechanism and protective processes in the tissues producing the antibodies.

3. The phase of suppression of natural immunity and immunogenesis may be preceded by a period of their stimulation. At a total dose of 50-100 r, the following is observed: increase of bactericidity of the blood, increased phagocytic activity of the leucocytes, of the cells of the reticulo-endothelial system, reduction of sensitivity to toxins, stimulation of antibody formation.

891 Irradiation of Cancer of the Oral Cavity, the Nasopharynx, and the Antrum

KIRILOVA, A.N. 415ELEV

Moscow (Soviet Union)

Early results of the use of radio-active preparations (radium, radioactive cobalt, gold, thoron-phosphorus) in the treatment of 211 patients are presented. Among these 211 patients there were 57 with malignant tumours of the oral cavity, 31 with malignant tumours of the nasopharynx and 113 patients with malignant tumours of the antrum.

Cures in the 1st and 2nd stages were found in 66 patients, stage 3 in 109 and stage 4 in 56 patients.

Treatment consisted in the combined method of ray therapy (radium, surgery, radiotherapy, applicator therapy and intercavitory therapy).

The patients were under observation over 3-10 years. Recovery was observed in 44% of the patients with malignant tumours in all 4 stages.

In some of the patients irradiation was followed by complications. The methods and the results of treatment are discussed.

892 Radiological Investigations and Rational Means of Reducing the Dose During these Investigations

PORODINSKY, M.N.

Leningrad (Soviet Union)

During recent years the natural level of radiation has risen continuously. One of the factors raising this level is the radio-diagnostic examinations, which, according to reports from foreign authors, increase the amount of radiation acting on the population by 22% - 30%.

Patients are irradiated during the examination, and therefore the effect of radiation on the sex glands may be considerable.

In X-ray exposures and fluoroscopy the tissue dose of the radiation striking the sex glands may be 100-1,000 rads. The variations in dose depend on the conditions of radiation and also on the part of the body to which radiation is directed. The highest doses affecting the sex glands occur in examinations of the pelvic region, the hip and the abdomen, especially when repeated.

The necessity for an extra-measuring extension of radio-diagnosis for the population, and the methods of radio-diagnostic examinations in practice, require research into means for reducing the radiation dose acting on the sex glands during X-ray exposures and fluoroscopy. In order to reduce the radiation dose and to prevent serious radiation effects, the following is required: Highly qualified medical staff carrying out the radio-diagnostic examinations, knowledge of the radiation dose to which the patient is subjected and registration of the dose in the patient's card-index. The examinations should be performed with harder rays, using heavier filtration and increased voltage, as well as short focal distance.

In fluoroscopy the following is recommended: Standardization of the type of the examiner, organization of the working table and box temperature. In addition, the advantages of working with narrow beams should be made use of.

In radiological examination of the pelvic region, the hip and the abdomen, the sex glands must be protected from direct radiation.

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GAL'PERIN, M.D., prof.

Seventh International Oncological Congress in London. Vop.neirokhir.
23 no.5:52-53 S-0 '59. (MIRA 12:11)
(ONCOLOGY--CONGRESSES)

GAL'PERIN, M.D., prof.

Review of H. Fischgold, M. David, and P. Bregeat's book "Tomography
of the base of the brain in neurosurgery and neuro-ophthalmology."
Vop.neirokhir. 23 no.5:60-61 S-O '59. (MIRA 12:11)
(BRAIN--RADIOGRAPHY) (FISCHGOLD, H.) (DAVID, M.) (BREGEAT, P.)

GAL'PERIN, M.D.

Tomography of the skull and brain. Sbor. trud. Len. nauchn. ob-vy
nevr. i psikh. no.6:83-95 '59. (MIRA 13:12)

1. Iz rentgenologicheskogo otdelaniya Psikhonevrologicheskogo instituta
imeni V.M. Bektereva (direktor - chlen-korrespondent Akademii peda-
gogicheskikh nauk RSFSR prof. Myasishchev).
(SKULL—RADIOGRAPHY) (BRAIN—RADIOGRAPHY)

GAL'PERIN, M.D.; ZAYCHIKOVA, N.A. [deceased]; PIL', B.N.

Significance of contrast methods of investigation in the diagnosis
of nervous and mental diseases. Trudy Gos. nauch.-issl. psichonevrv.
inst. no. 20:41-53 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psichonevrologicheskiy
institut imeni V.M. Bekhtereva, Leningrad.
(NERVOUS SYSTEM—DISEASES) (BRAIN—RADIOGRAPHY)

GAL'PERIN, M.D.

New methods for X-ray tomography in diseases of the brain. Trudy Gos. nauch.-issl. psikhonevr. inst. no.24:225-235 '61. (MIRA 15:5)

1. Rentgenologicheskoye otdeleniye Gosudarstvennogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni Bakhterova.
(BRAIN--RADIOGRAPHY)

GAL'PERIN, Mariya Davydovna; KATSMAN, A.Ya., red.; LEBEDEVA, Z.V.,
tekhn. red.

[Angiography in the diagnosis of tumors and vascular
diseases of the brain] Angiografiia v diagnostike opukholei i
sosudistykh zabolеваний golovnogo mozga. Leningrad, Medgiz,
1962. 190 p. (MIRA 15:9)

(ANGIOGRAPHY)

(BRAIN—DISEASES)

GAL'PERIN, M.D., prof., doktor med.nauk

"Clinical neuroradiology" by Kurt Decker. Reviewed by M.D.
Gal'perin. Vest. rent. rad. 37 no.1:81-83 Ja-F '62. (MIRA 15:3)
(NERVOUS SYSTEM—RADIOGRAPHY)
(DECKER, KURT)

GAL'PERIN, M. D.

Angiography in the diagnosis of vascular diseases of the brain.
Nauch. trudy Inst. nevr. AMN SSSR no.1:120-132 '60.
(MIRA 15:7)

1. Leningradskiy psikhonevrologicheskiy institut imeni V. M.
Bekhtereva.

(ANGIOGRAPHY) (CEREBROVASCULAR DISEASE)

ARENDE, A.A., zasl. deyatel' nauki prof.; ARKHANGEL'SKIY, V.V., kand. med. nauk; BLAGOVESHCHENSKAYA, N.S., doktor med. nauk; GAL'PERIN, M.D., prof.; KANDEL', E.I., kand. med. nauk; KORNYANSKIY, G.P., prof.; KORST, L.O., doktor med. nauk; RAZDOL'SKIY, I.Ya., zasl. deyatel' nauki prof.; EMDIN, P.I., zasl. deyatel' nauki prof. [deceased]; EPSHTEYN, P.V.; DAVIDENKOV, S.N., prof., otv. red.; BOGOLEPOV, N.K., prof., zam. otv. red.; SENCHILO, K.K., tekhn. red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz. Vol.5. [Tumors of the nervous system] Opukholi nervnoi sistemy. . 1961. 570 p.

(MIRA 16:9)

1. Deystvitel'nyy chlen AMN SSSR (for Davidenkov). 2. Chlen-korrespondent AMN SSSR (for Razdol'skiy).
(NERVOUS SYSTEM--TUMORS)

BABCHIN, I.S., prof.; BABANOVA, A.G., doktor med. nauk; BLOKHIN, N.N., prof.; BONDARCHUK, A.V., prof.; GAL'PERIN, M.D., prof.; GOL'DSHTEYN, L.M., prof.[deceased]; DYMARSKIY, L.Yu., kand. med. nauk; KARPOV, N.A., prof.; KOYRO, M.A., nauchn. sotr.; LARIONOV, L.F., prof.; LITVINNOVA, Ye.V., kand. med. nauk; MEL'NIKOV, R.A., kand. med. nauk; NECHAYEVA, I.D., doktor med. nauk; PETROV, Nikolay Nikolayevich, prof.; PETROV, Yu.V., kand. med.nauk; RAKOV, A.I., prof.; ROGOVENKO, S.S., kand. med. nauk; SENDUL'SKIY, I.Ya., prof.; SEREBROV, A.I., prof.; SMIRNOVA, I.N., kand. med. nauk; TAL'MAN, I.M., prof.; TOBILLEVICH, V.P., prof.; TRUKHALEV, A.I., kand. med. nauk; KHOLDIN, Semen Abramovich, prof.; CHEKHKARINA, Ye.A., kand. med. nauk; CHECHULIN, A.S., kand. med. nauk; SHAAK, V.A., prof.[deceased]; SHANIN, A.P., prof.; SHAPIRO, I.N., prof.[deceased]; SHEMYAKINA, T.V., kand. med. nauk; SHERMAN, S.I., prof.; ABRAKOV, L.V., red.; LEDEDEVA, Z.V., tekhn. red.

[Malignant tumors] Zlokachestvennye opukholi; klinicheskoe rukovodstvo. Leningrad, Medgiz. Vol.3. Pts.1-2. 1962. (MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin, Petrov, Serebrov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kholdin).

(CANCER)

GAL'PERIN, M. D.; PIL', B. N.; KARVASARSKIY, B. D.

Radiation therapy of opticochiasmatic arachnitis. Med. rad. no.4:
18-24 '62. (MIRA 15:6)

1. Iz rentgenologicheskogo otdeleniya (zav. - prof. M. D.
Gal'perin) Nauchno-issledovatel'skogo psikhonervologicheskogo
instituta imeni V. M. Bekhtereva.

(MENINGITIS) (RADIOTHERAPY)

ABRAMOVICH, G.B.; GAL'PERIN, M.D.

X-ray and clinicopsychopathological studies on epilepsy in children.
Vop.psikh.i nerv. 8:63-80 '62. (MIRA 17:4)

1. Iz detskogo psichiatricheskogo (zav. - prof. G.B.Abramovich)
i rentgenologicheskogo (zav. - prof. M.D.Gal'perin) otdeleniy
Psichonevrologicheskogo instituta imeni Bekhterava (dir. -
B.A.Lebedev).

GAL'PERIN, M.D.

Significance of angiography in the diagnosis of diseases
of the magistral vessels of the brain. Vop. psikh. i nevr.
no.9:41-63 '62. (MIRA 17:1)

1. Rentgenoradiologicheskoye otdeleniye Leningradskogo
nauchno-issledovatel'skogo psichonevrologicheskogo insti-
tuta imeni V.M. Bekhtereva.

MASHANSKIY, F.I.; GAL'PERIN, M.D.

Diagnosis, course and surgical treatment of epidermoids
of the bones of the roof of the skull. Vop. psikh. i nevr.
no.9:292-300 '62. (MIRA 17:1)

1. Nauchno-issledovatel'skiy psikhonevrologicheskiy institut imeni V.M. Bekhtereva (dir. - B.A. Lebedev).

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GAL'PERIN, M.D.

Age morphology of brain vessels in an angiographic visualization.
Trudy Gos.nauch.-issl.psikhonevr.inst. 28:107-126 '62.

(MIRA 15:12)

(BRAIN--BLOOD SUPPLY) (ANGIOGRAPHY)

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CIA-RDP86-00513R000614130002-4"

GAI'PERIN, M.D.

Izdatel'stvo "Nauka" in nervoznaya aktyvnost', prof. med. V.M. Sloboda.
S. 160. (MIAA 1945)

2. Iz roentgen-radiologicheskogo obozreniya (med. - prof. M.D. Gai'perin) Psichoneurologicheskogo Instituta Prof. V.M. Beliktereva.

GAL'PERIN, M.D.

X-ray studies in the clinic of nervous and mental diseases.
Trudy Gos. nauch.-issl. psikhonevr. inst. 31:5-59 '63.
(MIA 17:6)

Pneu[m]p[er]cephalographic study in differential diagnosis of
inflammatory diseases of the brain and tumors in case of the
spastic syndrome. Trudy Gos. nauch. issl. psikhonevr. inst.
31:237-250 '63.

Materials on contrast X-ray diagnosis of cerebrovascular
diseases. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:274-296
'63.
(MIA 17:6)

GAL'PERIN, M.D.; TERPUGOV, Ye.I.

Diagnosis and treatment of lesions of an intervertebral disk.
Trudy Gos. nauch.-issl. psikhonevr. inst. 31:331-354 '63.

(MIRA 17:6)

GOL'DSHTEYN, L.M., prof. [deceased]; GAL'PERIN, M.D., prof.

"Supervolttherapy" by J.Becker, G.Schubert. Reviewed by L.M.
God'dshtsin, M.D.Gal'perin. Vopr. onk. 9 no.4:120 '63. (MIRA 17:9)

GAL'PERIN, N.I.

Assembly of footing units and rate apparatus for turbines of the
Stalingrad Hydroelectric Power Station, Emers.stroi. no.6:43-49 '58.

1. Shef-inzhener Leningradskogo metallicheskogo zavoda.
(Stalingrad Hydroelectric Power Station)
(Concrete construction)

PHASE I BOOK EXPLOITATION SOV/5460 J7

Leningradskiy metallicheskij zavod. Otdel tekhnicheskoy informatsii.

Nekotorye voprosy tekhnologii proizvodstva turbin (Certain Problems
in the Manufacture of Turbines) Moscow, Mashgiz, 1960. 398 p.
(Series: Its: Trudy, vyp. 7) Errata slip inserted. 2,100 copies
printed.

Sponsoring Agency: Sovet narodnogo khozyaystva Leningrad-
skogo ekonomicheskogo administrativnogo rayona, Upravleniye
tynzhelogo mashinostroyeniya, and Leningradskiy dvazhdy ordena
Lenina metallicheskij zavod. Otdel tekhnicheskoy informatsii.

Ed. (Title page): G. A. Drobilko; Editorial Board: Resp. Ed.: G. A.
Drobilko, B. A. Glebov, A. M. Mayzel', and N. Kh. Mernik; Tech.
Ed.: A. I. Kontorovich; Managing Ed. for Literature on Machine-
Building Technology: Ye. P. Naumov, Engineer, Leningrad Depart-
ment, Mashgiz.

PURPOSE: This collection of articles is intended for technical
personnel in turbine plants, institutes, planning organizations,
as well as for production innovators.

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Certain Problems (Cont.)

SOV/5460
57

COVERAGE: The experience of the LIMZ (Leningradskiy metallichесkiy zavod - Leningrad Metalworking Plant) in the manufacture of modern large-capacity turbines is presented. Methods for the rationalization of basic manufacturing processes and for the mechanization and automation of manual operations are given. Descriptions of attachments and tools designed by LIMZ for improving labor productivity and product quality are provided, and advanced inspection methods discussed. References accompany some articles. No personalities are mentioned. There are 26 references: 25 Soviet and 1 English.

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Card 42

GAL'PERIN, M.I., inzh.; RUDNIK, A.G., inzh.

Designing, assembling, and testing the runners of the hydraulic turbines of the Volga and Stalingrad Hydroelectric Power Stations.
Energ. stroi. no.20:82-89 '61. (MIR 358)

1. Leningradskiy metallichесkiy zavod (for Gal'perin). 2. Montazhnoye upravleniye tresta "Spetsgidroenergomontazh" na Stalingradgidrostroye (for Rudnik).
(Volga Hydroelectric Power Station (Lenin)--Hydraulic turbines)
(Volga Hydroelectric Power Station (22d Congress of the CPSU)--
Hydraulic turbines)

GAL'PERIN, M.I., inzh.

At the Stalingrad Hydroelectric Power Station. Energomashinostroenie
7 no.7:23,29 Jl '61. (MIRA 14:8)
(Stalingrad Hydroelectric Power Station)

GAL'PERIN, M.I., inzh.

Some characteristics of the alignment of vertical hydraulic machinery units. Energomashinostroenie 7 no.9:28-31 S '61.
(MIRA 14:9)
(Hydroelectric power stations)

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GAL'PERIN, M.I., inzh.

World's largest hydroelectric power plant. Energomashinostroenie
7 no.12:34 D '61. (MIRA 14:12)
(Volga Hydroelectric Power Station (22d Congress of the CPSU))

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CIA-RDP86-00513R000614130002-4"

GAL'PERIN, M. I., inzh.

"Installation and repair of hydraulic turbines" by IA. F.
Fiterman. Energomashinostroenie 8 no.12:42-43 D '62.
(MIRA 16:1)

(Hydraulic turbines--Handbooks, manuals, etc.)
(Hydraulic turbines--Maintenance and repair)

GAL'PERIN, M.I., inzh.; FITERMAN, Ya.F., inzh.

Signs of cavitation damage in hydraulic turbines and their repair
under operating conditions. Energomashinostroenie 9 no.2:
32-36 F '63. (MIRA 16:3)
(Hydraulic turbines)

GAL'GIRIN, M.I., Inzh.

Hydraulic turbines for the Krasnoyarsk Hydroelectric Power
Station. Energomashinostroenie G no.3:43 Mn'63.
(MIRA 17:5)

GAI⁴PERIN, M.I., inzh.

Spiral chambers of hydraulic turbines of the Bratsk Hydroelectric Power Station. Energomashinostroenie 9 no.4:34 Ap '63.
(MIRA 16:5)
(Bratsk Hydroelectric Power Station) (Hydraulic turbines)

GAL'PERIN, M.I., inzh.; YABLONSKIY, G.A., inzh.

Measures for increasing the reliability of the bleed sectors of
the runner chambers of adjustable-blade hydraulic turbines.
Energomashinostroenie 9 no.5:38-39 My '63. (MIRA 16:7)

(Hydraulic turbines)

GAL'PERIN, M.I., inzh.; YABLONSKIY, G.A., inzh.

Fastening of rotor wheel chambers of adjustable-blade turbines.
Energomashinostroenie 9 no.7:34,48 Jl '63. (MIRA 16:7)

(Hydraulic turbines)

GAL'PERIN, M.I., inzh.; RUDNIK, A.G., inzh.

Special features in the installation of hydraulic power equipment in the Volga Hydroelectric Power Station (22d Congress of the CPSU). Energomashinostroenie 10 no.2:43-46 F '64. (MIRA 17:6)

GAL'PERIN, M.I., inzh.

Helical chambers of hydraulic turbines for the Krasnoyarsk
Hydroelectric Power Station. Energomashinostroenie 10 no.4:
48 Ap '64. (MIRA 17:6)

G. L. KARIN, M. I. T., USSR.

Gate mechanism of a hydraulic turbine for the Krasnoyarsk
Hydro-Electric Power Station. Test-gate shutoff strength 10 sec. 5845
By '62. (M/Rd 1728)

GAL'PERIN, M.I., inzh.

Common shafts for the hydraulic turbine-generator units of the
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(Concrete)

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V.I., inzhener, nauchnyy redaktor; BEGAK, B.A., redaktor izdatel'-
stva; VOLKOV, V.S., tekhnicheskiy redaktor.

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Earthwork under cold weather conditions. Nov.tekh.i pered.op.v
stroj. 18 no.10:8-10 0 '56. (MLRA 9:11)
(Earthwork--Cold weather conditions)

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CIA-RDP86-00513R000614130002-4"

GAL'PERIN, M.I., kandidat tekhnicheskikh nauk.

Experimental testing of machines used for working frozen ground.
Stroi. prom. 34 no.9:11-12 S '56. (MIRA 9:10)

(Frozen ground) (Earthmoving machinery)

GAL'PERIN, M.I., kandidat tekhnicheskikh nauk.

New methods for crushing rocks. Mekh.trud.rab. 11 no.3:23-24
Mr '57. (MLRA 10:5)

(Crushing machinery)
(Boring machinery)

GAL'PERIN, M.I., kandidat tekhnicheskikh nauk.

Determining mean strength of stone materials. Nov. tekhn. i pered.
op. v stroi. 19 no.2:15-17 P '57. (MLRA 10:4)
(Limestone)

GAL'PERIN, M.I., kandidat tehnicheskikh nauk; ASEMGAUZ, V.D., inzhener.

Resistance to breaking of limestone during cutting. Stroi. i dor.
wasninskaya str. 2 no. 5:20-22 Ag '57. (MIRA 10:9)
(Limestone) (stone-cutting)

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95-11-11/14

TITLE:

The Mechanization of Earthwork in Frozen Soil
(Mekhanizatsiya razrabotki merzlykh gruntov)

PERIODICAL:

Stroitel'stvo Predpriyatiy Neftyanoy Promyshlennosti, 1957,
Nr 11, pp. 26-28 (USSR)

ABSTRACT:

Going over to whole-year cultivation, a process that is developing everywhere, and the increasing volume of soil cultivation in the eastern parts of the country made it necessary that hard-frozen soils were worked to an increased extent. This kind of cultivation is of very great importance if it is prepared by electroheating and if loosening of the ground is carried out by means of pneumatic pickaxes. It has already been proved that loosening of the soil by mechanical means is the most rational preparation for the working of hard-frozen soils. The Dieselhammer, which is mounted on a tractor or on a tractor carrier, loosens 100 m³ of hard-frozen soil in the course of one working operation when dealing with excavations on building sites if the depth of freezing attains 0,8 - 1 m. This system is first used for dealing with the initial building trench. The wedge is driven into the frozen soil by means of a Dieselhammer, after which the tractor is moved to the rear,

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