

S/124/62/000/003/051/052
D237/D302

AUTHORS: Velikanova, T.A., and Sergeyev, S.I.

TITLE: Problems of low-temperature tensometry

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1962, 77,
abstract 3V591 (Tr. Vses. n.-i. in-ta kislородn.
mashinostr., 1961, no. 3, 117 - 133)

TEXT: The possibility is verified of the utilization of wire extension indicators in measuring the deformations of metallic parts, performing in low temperature regions up to 190°C. Tested were paper and film extension recorders based on the glue 192-T, film recorders based on carbinol glue, AK-20, EP-2 (BF-2) glues and on viniflex resin. Thermal properties of annealed and non-annealed constantan wire and tenso-indicators utilizing it, were investigated in the low-temperature region. It was found that most suitable instruments for tensometric recording were those constructed from the non-annealed constantan wire on the viniflex resin, with polymerization at 180°C following the glueing on the tested part. [Abstractor's note: Complete translation].

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SERGEYEV, S.I., kand.tekhn.nauk

Self-excited vibrations of light rotors with sleeve bearings.
Trudy VNIIMASH no.4:141-161 '61. (MIRA 15:1)
(Impellers)
(Bearings (Machinery))

SERGEYEV, S.I. (Moskva)

Damping vibrations of unloaded rotors with sliding bearings. Izv.-
AN SSSR.Otd.tekh.nauk.Mekh. i mashinostr. no.4:118-119 J1-Ag
'62. (MIRA 15:8)

(Damping (Mechanics)) (Rotors—Vibration)

SERGEYEV, S.I., kand. tekhn. nauk

Principles of the design of hydraulic damping devices. Trudy
VNIIMASH no. 5:84-99 '62. (MIRA 18:3)

MAK, S.L.; TULENKOV, F.K.; SHTEYNBERG, L.B.; BERSHAK, V.I.; SERGEYEV, S. I.;
GUDIMENKO, A.I.; DAVYDOV, A.M.

Exchange of experience. Zav.lab. 28 no.1:114-115 '62.

(MIRA 15:2)

1. Odesskiy politekhnicheskiy institut i Odesskiy zavod stal'nykh
kanatov (for Mak, Tulenkov, Shteynberg). 2. Gosudarstvennyy
nauchno-issledovatel'skiy institut tsvetnykh metallov (for
Bershak, Gudimenko, Davydov).
(Testing machines)

L 24680-65 EWT(d)/EWT(m)/EWP(w)/EPR/T/EWP(k)/EWA(h) Pf-l/Tr-l/Ps-l/Peb EM/DJ
ACCESSION NR: AR5001019 S/0124/64/000/010/A018/A018

SOURCE: Ref. zh. Mekhanika. Abs. 10A138

AUTHOR: Sergeyev, S. I.

32
B

TITLE: Damping of forced and self-excited oscillations 26

CITED SOURCE: Tr. Vses. n.-i. in-ta kislородn. mashinostr., vyp. 7, 1963, 57-72

TOPIC TAGS: ²⁶rotor motion stability, damping slide bearing, forced oscillation damping, autooscillation damping 17

TRANSLATION: The author calculates the optimal damping of oscillations in elasto-inertial systems and the stabilization of motion of a rotor with slide bearings. As an example, he presents the calculation of optimal viscous resistance from an analysis of the Q-factor expression. A summary amplitude, as a function of friction and frequency at an assigned or most critical excitation, is assumed as the Q-factor of a system. The infinitely elastic rotor model used in calculating the damping of self-oscillations of a rotor with slide bearings has a shaft of constant cross section, a constant axial mass density and identical elastically-damping slide bearings. The stability of rotor motion is

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L 24680-65

ACCESSION NR: AR5001019

evaluated by the roots of a characteristic equation in transcendental form. Graphs are presented for the stability regions of an elastic unstressed rotor with elastically-damping slide bearings. A. R. Rokhov.

SUB CODE: ME

ENCL: 00

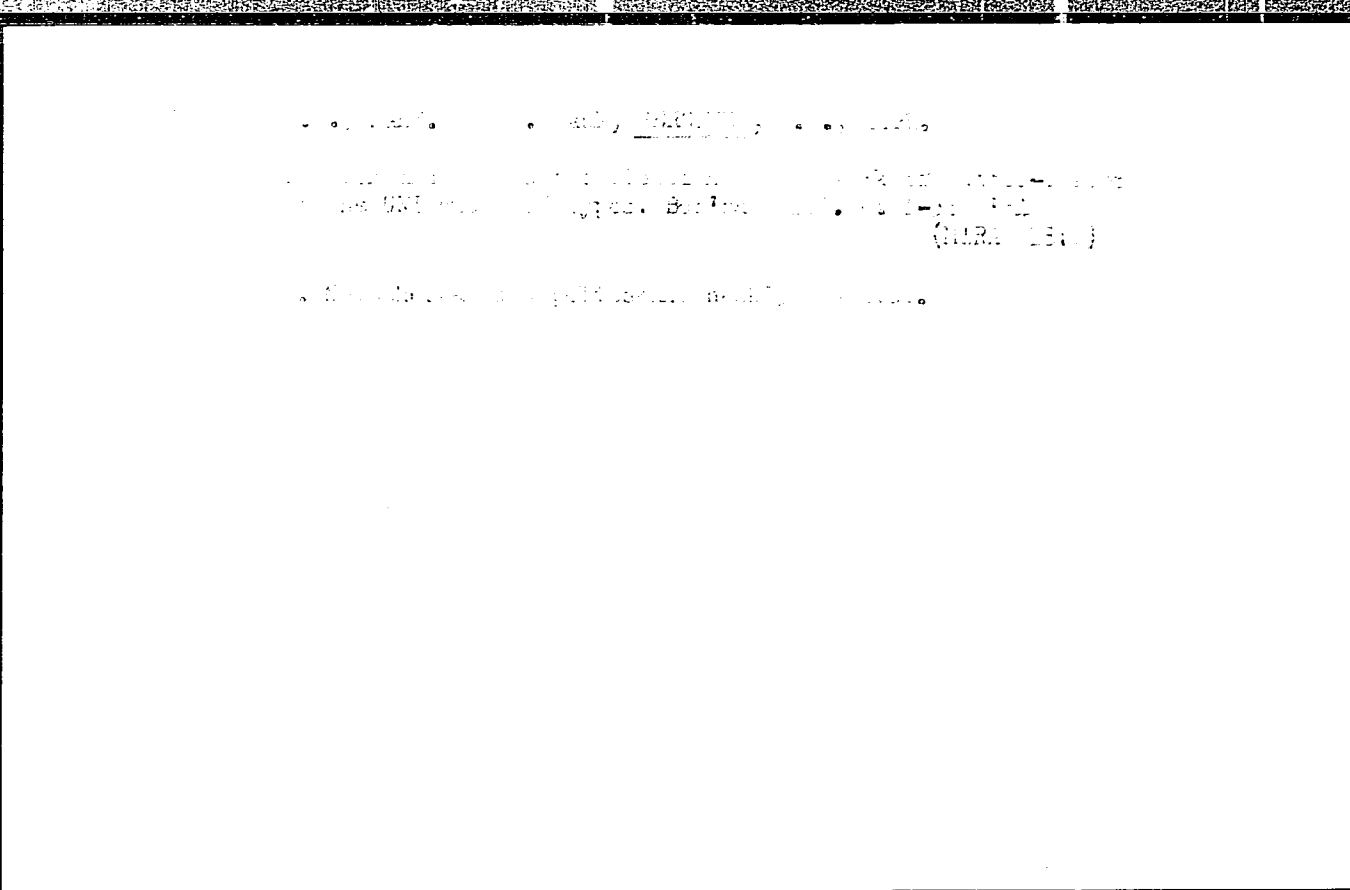
2/2

Card

SERGEYEV, S.I.

(Moskva)

Carrying capacity of a layer of gas or a cavitating fluid.
Izv. AN SSSR Mekh. i mashinostr. no.4:172-177 JI-Ag '64
(MIRA 17:8)



SERGEYEV, S.I., kand. tekhn. nauk; KHOTINA, G.A., inzh.

Vibration of liquids in pipes and intensification of heat
exchange. Trudy VNIKIMASH no.10:74-79 '65. (MIRA 18:9)

SERGEYEV, S.I., kand. tekhn. nauk; KHOTINA, G.A., inzh.

Intensification of heat exchange by means of vibrations. Trudy
VNIKIMASH no.9:75-91 '65. (MIRA 13:6)

SERVO... tekhn. nauk

Damping of natural vibrations in rotors with gas-lubricated bearings. Trudy VNIKIMASH no.10:80-86 '65. (MIRA 18:9)

СЕРГЕЕВ, С.И., канд. техн. наук

Stabilization of rotors and pistons by means of vibration. Study
VNIIMASH no.9-68-119 1965. (MIRA 13:6)

L 32186-66 EWP(m)/EWT(l)/EWT(m)/EWP(w)/T IJP(c) WH/EM/DJ
ACC NR: AP6010862 SOURCE CODE: UR/0421/66/000/001/0168/0170

AUTHOR: Sergeyev, S. I. (Moscow)

63
13

ORG: none

TITLE: Oscillations of liquid in pipes at moderate Reynolds numbers

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 1, 1966, 168-170

TOPIC TAGS: laminar flow, turbulent flow, ~~free oscillation~~, liquid flow, PIPE FLOW, REYNOLDS NUMBER, TRANSITION FLOW

ABSTRACT: The transition regime in liquids during the change from oscillating flow to turbulent flow is studied. Tests have been performed on liquids in pipes with initial laminar flows. The flow in the pipes is formulated mathematically to elicit the effects of various constants on the stability and form of the solution. These effects are then related to the experimental observations. The transition regime was studied using water as a working liquid with addition of aluminum powder for visualization. The observations were made with both free and forced oscillations superimposed on the liquid flow. It was found that the critical Reynolds number is linear with inertia coefficient in a wide range of Reynolds numbers. The friction and inertia were derived from the damping and the frequency of free oscillations. The experiment has shown that flow stability increases and its characteristics depend on the parameters of the oscillations. Orig. art. has: 2 figures, 9 formulas.

SUB CODE: 20/ SUBM DATE: 12Jun65/ ORIG REF: 004/ OTH REF: 003
Card 1/1

L 00753-67 EWT(d)/FSS-2/EWT(m)/EEC(k)-2/T DJ

ACC NR: AP6024197

SOURCE CODE: UR/0424/66/000/002/0189/0190

58
B

AUTHOR: Sergeyev, S. I. (Moscow)

ORG: none

TITLE: Vibration damping in gyroscopic rotors with a slide bearing

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 2, 1966, 189-190

TOPIC TAGS: gyroscope, vibration, vibration damping, journal bearing

ABSTRACT: The stability of the motion of a gyroscopic rotor under the gyroscopic moment-of-inertia loads of the rotor is considered. The analysis is limited to canonical precessions with amplitudes substantially less than the thickness of the lubricant layer H in the journal. Equations are given describing the hydrodynamic forces in the journal and the inertial forces in the rotor--in two dimensions. The analysis shows that, for $Q > 4q$, the rotor precession is asymptotically stable only when $\omega > \omega_0$, and for $Q < 4q$, the motion is always stable. In the above analysis Q , q , and ω are given by

$$c = \frac{C}{m}, \quad \Omega^2 = \frac{k}{m}, \quad Q = \left(r^2 + \frac{h^2}{3}\right) \frac{1}{J^2}, \quad q = \frac{r^2}{J^2}$$

and

$$\omega = \omega_0 = \left(2 + \frac{c}{\kappa}\right) v_0 + \frac{\Omega^2}{c\kappa v_0}$$

Orig. art. has: 7 formulas and 1 figure.

SUB CODE: 20/ SUBM DATE: 14Oct65/ ORIG REF: 004

Card 1/1 *llh*

ACC NR: AT7007355

(A)

SOURCE CODE: UR/0000/66/000/000/0204/0207

AUTHOR: Sergeyev, S. M.; Rozen, G. M.

ORG: None

TITLE: Mechanization of large-scale sheet stamping

SOURCE: Soveshchaniye po avtomatizatsii protsessov mashinostroyeniya. 4th, 1964. Avtomatizatsiya protsessov svarki i obrabotki davleniyem (Automation of welding and pressure treatment processes); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1966, 204-207

TOPIC TAGS: automotive industry, sheet metal, metal stamping, industrial automation

ABSTRACT: The authors describe an automatic production line for stamping truck body parts. The line consists of one double-action and five single-action presses interconnected by loading and unloading mechanisms and belt conveyors with a system for scrap removal. A schematic diagram of the line is shown in the figure. The line is set up so that the individual sections may be operated independently since the various body panels require different numbers of operations. For instance, the first three presses may be used for stamping the floor panel while the remaining units in the line are used for making other components. The line produces up to 360 parts per hour. The workpiece is fed from sheet stacker 1 into the drawing die. A mechanical arm in

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SERGEYEV, S. M.

USSR/Engineering
Railroads
Locomotives

Jan 47

"Southern Sakhalin Railroad," Col S. M. Sergeyev, Lt Col V. V. Denisov, Engr, 3 pp

"Tekh Zheleznykh Dorog" NO 1

Very interesting article which gives the route on a map of Southern Sakhalin. Also gives the rerouting of the system from the route used by the Japanese. Locates such points as main terminals, primary stations, check points, water towers, roundhouses, etc. Mileage between different points and types of locomotives in use of the line.

PA 28T37

LASHCHIVEL, S.M.; SERGEYEV, S.M.; ROZEN, G.M.; YASHUNSKIY, R.G.

Automatic line for manufacturing the air brake reservoir of the
ZIL-130 automobile. Avt.prom. no.3:34-38 Mr '61. (MIRA 1433)

1. Nauchno-issledovatel'skiy eksperimental'nyy institut avtotraktornogo
elektrooborudovaniya i priborov.
(Automobiles--Brakes) (Assembly-line methods)

SERGEYEV, S.M.; ROZEN, G.M.

Mechanization of large-sheet stamping. Avt. prom. 30
no.9:38-42 3 '64. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy
promyshlennosti.

SERGEYEV, S.M.; ROZEN, G.M.

Mechanization of large sheet stamping. Avt. prom. 30 no.10:38-42
0 '64. (MIRA 17:11)

1. Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy
promyshlennosti.

SERGEYEV, S.N. (Perm')

Box casting of dental prosthesis parts. Stomatologia 41 no.4:96-99
Jl-Ag '62. (MIRA 15:9)

(DENTAL PROSTHESIS)

SERGEYEV, S.N., mayor med. sluzhby

Effect of physical training on the development of compensatory-adaptive reactions of the organism. Voen.-med.zhur. no.11:24-27 N '57.

(EXERCISE, effects, (MIRA 11:4)

on heart in irradiated rabbits, adaptive compensatory reactions (Rus)

(RADIATIONS, effects,

heart adaptive compensatory reactions to exercise in irradiated rabbits (Rus)

(HEART, physiology,

eff. of exercise, adaptive compensatory reactions in irradiated rabbits (Rus)

SERGEYEV, S.N. (Moskva)

Use of comparative photometry in the study of enzyme activity.
Arkh.pat. 27 no.7:84-86 '65. (MIRA 18:8)

1. TSentral'naya sudebno-meditzinskaya laboratoriya (nachal'nik -
chlen-korrespondent AMN SSSR - prof. M.I. Avdeyev) pri TsVMU
Ministerstva oborony SSSR.

SERGEYEV, S.N.

Functional morphology of the heart in radiation sickness. Arkh.
pat. 22 no. 4:29-33 '60. (MIRA 14:1)
(HEART) (RADIATION SICKNESS)

ACCESSION NR: AT4042714

S/0000/63/000/000/0434/0437

AUTHOR: Sergejev, S. N.

TITLE: Histochemical investigations of changes in the distribution of succinic dehydrogenase, carbonic anhydrase, alkaline and acid phosphatase and adenosinetriphosphatase activity and sulfhydryl groups of the proteins of the internal organs during acute oxygen starvation

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963. Aviatzionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy* konferentsii. Moscow, 1963, 434-437

TOPIC TAGS: oxygen deficiency, oxygen deprivation, high altitude, anoxia, acute anoxia, enzyme activity, protein sulfhydryl group, succinic dehydrogenase, carbonic anhydrase, phosphatase, hypoxia

ABSTRACT: The distribution of activity of various enzymes in the internal organs was studied in rats subjected to a rapid decrease in barometric pressure to 145 mm Hg and maintenance in a chamber at a pressure of 183 mm Hg. The results showed that the animals survived 3-5 minutes at a pressure of 145 mm Hg and about 10 minutes in a chamber at 183 mm Hg. Microscopic examination of tissue slices revealed that the

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ACCESSION NR: AT4042714

succinic dehydrogenase activity of the myocardium was slightly depressed. In the liver of these animals there was a considerable depression of the same enzyme, especially in the central parts of the lobe. The carbonic anhydrase activity was slightly decreased in the proximal parts of the renal tubules, and markedly decreased in the liver, but significantly increased in the myocardium. There were no changes in alkaline and acid phosphatase activity in the myocardium. Acid phosphatase activity in the liver was considerably decreased, while in the kidney the decrease in activity was slight. Alkaline phosphatase activity in the muscle fibers of the myocardium was weak, but the walls of the small blood vessels and intramuscular capillaries showed high activity of the enzyme. In the liver, the activity was sharply increased, while in the kidneys the activity of the same enzyme was weak. In a small proportion of the investigated tissues, the adenosinetriphosphatase activity in the sarcoplasm of the muscle fibers of the myocardium was slightly decreased, but the activity in the nuclei and the walls of the small vessels remained high. In the liver, the activity of the same enzyme was considerably decreased, while in the kidneys there were no changes as compared with controls. No changes were observed in the concentrations of sulfhydryl groups in the myocardium, liver and kidney. The

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ACCESSION NR: AT4042714

results indicate a rapid response to anoxia on the part of the enzyme systems, resulting in changes which may be useful in the microscopic diagnosis of death due to acute oxygen deprivation.

ASSOCIATION: none

SUBMITTED: 27Sep63

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 000

Gqrd 3/3

SERGEYEV, S.N., kand. med. nauk

Histophysiology of the kidneys in hypoxia. Urologia no.4:3-7
'64. (MIRA 19:1)

1. Tsentral'naya sudebnomeditsinskaya laboratoriya (nachal'nik -
chlen-korrespondent AMN SSSR prof. M.I. Avdeyev), Moskva.

I. 08381-67 EWT(d)/EWP(1) IJP(c) BB/GG
ACC NR: AR6032064 SOURCE CODE: UR/0271/66/000/007/B021/B021

AUTHOR: Sergeyev, S. N. ; Shelkovnikov, B. N.

52
B

TITLE: Registers with phase-pulse multistable elements

SOURCE: Ref. zh. ^{16c} Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 7B157

REF SOURCE: Sb. Poluprovodnik. elementy v vychisl. tekhn. M., 1965, 42-50

TOPIC TAGS: phase recording, phase diagram, pulse generator, multistable element, register, shift register

ABSTRACT: A phase-pulse multistable element as a recorder with a dynamic programming system for information recording has been studied. A phase pulse is the dynamic indicator in this register. Information is recorded into the phase-pulse element with a forced single-cycle starting pulse of a blocking generator at an appropriate moment of time. The description includes block diagrams of registers without a shift, 3 registers with delay lines between discharges, and shift registers with the phase-pulse elements. Orig. art. has: 9 figures and a bibliography of 3 reference items. [Translation of abstract]

SUB CODE: 09/

UDC: 681.142.642.7

Card 1/1 15

SOV/68-59-8-14/32

AUTHOR: Sergeyev, S.P.
TITLE: Prevention of the Precipitation of Gypsum in the
Ammonia Liquor Stills (O predotvrashchenii vypadeniya
osadkov gipsa v prikolonkakh ammiachnykh kolonn)

PERIODICAL: Koks i khimiya, 1959, Nr 8, pp 31-33 (USSR)

ABSTRACT: In order to prevent the precipitation of gypsum in ammonia liquor stills the following scheme of processing of the liquor is proposed: ammonia liquor flowing from the top of the dephenolising scrubber (height - 20 m) with a temperature of about 100°C is heated with direct steam in the lowest section of the pipeline (figure) to a temperature of 115-120°. At this temperature it is treated with lime in a mixer and passed into a settling tank where the precipitation of gypsum takes place (solubility of gypsum is at a maximum at 85-95°C and at 115°C amounts to about one half of its maximum value). From the settling tank the clear liquid is passed to the evaporator etc. It is claimed that the application of the above method of treatment will not require a large amount of

Card 1/2

SOV/68-59-8-14/32

Prevention of the Precipitation of Gypsum in the Ammonia Liquor
Stills

reconstruction on the existing plants. There is
1 figure.

ASSOCIATION: Stalinskiy sovnarkhoz (Stalinskiy Sovnarkhoz)

Card 2/2

ROSTOVTSEV, N.F., akademik, red.; KOVALENKO, Ya.R., prof., red.;
SERGEYEV, S.P., red.; MOISEYEV, I.A., red.; SARKISOV, A.Kh.,
prof., doktor biolog.nauk, red.; MITROPANOVA, V.P., tekhn.red.

[Raising and housing young farm animals; materials of the
Out-Session of the Department of Animal Husbandry of the Lenin
All-Union Academy of Agricultural Sciences, Kurgan, July 29th-
August 1st, 1960] Vyrashchivanie i sokhranenie molodniaka
sel'skokhozyaystvennykh zhiivotnykh; sbornik materialov vyezdnogo
plenuma otdeleniia zhiivotnovodstva VASKhNIL, sostoiavshegosia
v g.Kurgane s 29 iulia po 1 avgusta 1960 g. Kurgan, Izd-vo
gazety "Sovetskoe Zaural'e," 1961. 273 p.

(MIRA 14:4)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I.Lenina. 2. Otdeleniye zhiivotnovodstva Vsesoyuznoy akademii
sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev).
3. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk imeni V.I.Lenina i Vsesoyuznyy institut eksperimental'noy
veterinarii (for Kovalenko). 4. Vsesoyuznyy institut eksperimental'-
noy veterinarii (for Sarkisov).

(Stock and stockbreeding)

SERGEYEV, S. S.

Expanded reproduction and wealth accumulation in the kolkhozes of the Chu valley.
Moskva. Gos. izd-vo sel'khoz. lit-ry, 1950. 343 p. (Ekomiczeskie monografii)

SERGEYEV, S. S.

Agriculture

Organizational and administrative strengthening of collective farms and enlargement of small agricultural artels. 2 inspr. izd. Moskva, Gos. izd-vo sel'khoz, lit-ry, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952 UNCLASSIFIED

SERDSEYEV, S. S.

Viticulture

Information. Vin. SSSR 12 no. 3, 1952.

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

SERGEYEV, S. S.

Glavnaiia zadacha v sel'skom khoziaistve: [Principal problem in agriculture]. Moskva, Sel'khozgiz, 1953. 304 p.

SO: Monthly List of Russian Accessions, Vol 6 No 6 September 1953

Вопросы Экономико-Статистического

Анализа
Коллективного
Производства

Вопросы Экономико-Статистического Анализа Коллективного Производства
(Problems of Economic-Statistical Analysis of Collective Farm Production)
Moskva, Sel'khozgiz, 1956.

307 P. Maps, Tables.

SERGEYEV, Sergey Stepanovich -- awarded sci degree of Doc Econ Sci for the 27 May 57 defense of dissertation: "Problems of economico-statistical analysis of kolkhoz production as exemplified by certain regions of the USSR" at the Council, Mos Agric Acad imeni Timiryazev; Prot No 16, 14 Jun 58.

(BMVO, 12-58,19)

SERGEYEV, S.S., doktor ekonom.nauk; SINEVA, N.I., kand.ekonom.nauk;
PYLAYEVA, A.P., red.; DEYEVA, V.M., tekhn.red.

[Production costs on collective farms] Izderzhki proizvodstva
v kolkhozakh. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 167 p.
(MIRA 12:7)

(Collective farms) (Agriculture--Costs)

SERGEYEV, Sargey Stepanovich, doktor ekon.nauk; BOGATYRENKO, Z.S.,
red.; SAVCHENKO, Ye.V., tekhn.red.

[Cost of agricultural production and ways of reducing it]
Sobestoimost' sel'skokhoziaistvennoi produktsii i puti ee
snizheniia. Moskva, Izd-vo "Znanie," 1959. 47 p. (Vse-
soiuznoe obshchestvo po rasprostraneniuiu politicheskikh i
nauchnykh znaniui. Ser.3, Ekonomika, no.35) (MIRA 12:11)
(Agriculture--Costs)

SERGEYEV, Sergey Stepanovich, prof.; IVANOVA, A.N., red.; DEYEVA, V.M.,
tekhn. red.; KOPNINA, N.N., tekhn. red.

[Agricultural statistics] Sel'skokhoziaistvennaia statisti-
ka. Moskva, Izd-vo "Kolos," 1963. 463 p. (MIRA 17:3)

SERGEYEV, S.S., prof., doktor ekonom. nauk

Economic problems of the intensification of agricultural
production. Izv. TSKHA no.5:3-26 '64.

(MIRA 18:5)

1. Kafedra sel'skokhozyaystvennoy statistiki Moskovskoy ordena
Lenina sel'skokhozyaystvennoy akademii imeni Timiryazeva.

SERGEYEV, S.S.

"Land and sea beneath us" by [Geroy Sovetskogo Soyuza, letchik
istrebitel'] S.G. Kurzenkov. Vest. protivovozd. obor. no.9:
79 S '61. (MIRA 14:8)
(World War, 1939-1945--Aerial operations)
(Kurzenkov, S.G.)

SERGEYEV, S. T.

P. P. Nesterov, S. T. Serzheyev, Prokhodcheskiye kanaty/Sinking Cables, Metallurgizdat, 15 sheets - 1953 - 188 p.

Explains the operating characteristics of lifting, guiding and supporting mine shaft cables; defines the fields of use of the various designs of cables, beginning with their designations. Gives the principles of designing and the operating experience with non-twist, round, mine-shaft cables; and discusses the transverse vibrations of the conductors of the cable guidelines.

Book intended for engineering-technical personnel working in mine-shaft constructions, at cable plants, in design and research organizations connected with shaft construction.

S.: U-6472, 12 Nov 1954

1. SERGEYEV, S. T.
2. USSR (600)
4. Cables
7. Basis for calculating round-twisted steel cables for hoisting work in mines.
Ugol' 27 no. 10, 1952

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

SERGEYEV, S.T., inzhener; FILONENKO, A.S., inzhener.

New devices for the manufacture of multi-layer wire ropes. Stal'
16 no.6:560-563 Je '56. (MLRA 9:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i
mekhanizatsii shakhtnogo stroitel'stva VNIIOShS.
(Wire rope)

SERGEYEV, S.T., kand. tekhn. nauk

Mechanization and automatization facilitate the miners' work and increase their labor productivity. Ugol' 34 no.8:46-47 Ag '59. (MIRA 12:12)

1. Pomoshchnik glavnogo inzhenera po novoy tekhnike shakhty "Proletarskaya-Glubokaya" tresta Makeyevugol'.
(Coal mines and mining) (Automatic control)

PASAL'SKIY, S.S.; IL'IN, G.A.; SERGEYEV, S.T.

Automatic recording of the number of men entering and leaving
the mine. Ugol' 34 no.8:47-48 Ag '59. (MIRA 12:12)

1. Nachal'nik shakhty "Proletarskaya-Glubokaya" tresta Makeyevugol'
(for Pasal'skiy). 2. Pomoshchnik glavnogo mekhanika shakhty
"Proletarskaya-Glubokaya" tresta Makeyevugol' (for Il'in).
3. Pomoshchnik glavnogo inzhenera shakhty "Proletarskaya-Glubokaya"
tresta Makeyevugol' (for Sergeyev).
(Coal mines and mining) (Automatic control)

ZHADANOV, Yu.S., gornyy inzh.; SERGEYEV, S.T., gornyy inzh.

Automatic water heating system for mine shower baths. Ugol' Ukr.
no.6:31 Je. '60. (MIRA 13:7)
(Shower baths) (Automatic control)

SERGEYEV, S. T., kand.tekhn.nauk; ZHADANOV, Yu.S., inzh.

Testing the use of mobile electric substations in the "Proletarskaya-Glubokaya" mine. Ugol' 35 no.7:54-55 J1 '60.

(MIRA 13:7)

1. Shakhta "Proletarskaya-Glubokaya" tresta Makeyevugol'.
(Donets Basin--Electricity in mining) (Electric substations)

PASAL'SKIY, S.S., kand.tekhn.nauk; SERGEYEV, S.T.

Machine for the whitewashing of main roads in mines. Ugol' 36
no.1:51-52 Ja '61. (MIRA 14:1)

1. Nachal'nik shakhty "Proletarskaya-Glubokaya."
(Spray painting)
(Coal mines and mining--Equipment and supplies)

SERGEYEV, S.T. (Odessa)

Investigating the process of the formation of a curved cable
on a pulley. Prikl. mekh. 1 no.4879-91 '65. (MIRA 13:6)

1. Odesskiy politekhnicheskii institut.

SERGEYEV, S.T. (Odessa)

Effect of fastening conditions on stresses in shape taking of a bent
cable. Prikl. mekh. 1 no.6:63-70 '65. (MIRA 18:7)

1. Odesskiy politekhnicheskiy institut.

SERGEYEV, S. Y.

21854 SERGEYEV, S. Y. Vnedryat' opyt peredovikov. (Por'ba za
vysokiye urozhai v Moldav. SSR) Seleksiya i semenovodstvo,
1949, no. 7, s. 35-40.

SO: Letopis' zhurnal'nykh Statey, no. 29, Moskva, 1949

PEKAREVICH, Vladimir Matveyevich; SERGEYEV, Sergey Vasil'yavich;
GETLING, Yu., red.; CHEMKO, E., tekhn. red.

[Developing the industries of Sverdlovsk Province during the years of the seven-year plan] Razvitie promyshlennosti Sverdlovskoi oblasti v gody semiletki. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1959. 82 p. (MIRA 15:3)

1. Nachal'nik planovo-ekonomicheskogo upravleniya Sverdlovskogo sovnarkhoza , Sverdlovskoy oblasti (for Pekarevich). 2. Zaveduyushchiy kafedroy politekonomii Ural'skogo politekhnicheskogo instituta imeni S.M.Kirova (for Sergeyev).
(Sverdlovsk Province--Industries)

PROCESSES AND PROPERTIES INDEX

78

A New High-Power X-Ray Tube for Structural Analysis. S. V. Sergeev
(Zhurnal Tekhnicheskoy Fiziki (J. Tech. Physics), 1936, 6, (1), 83-83).—[In Russian.] An electron X-ray tube with revolving anode is described in detail.
 — N. A.

AS 16-52 METALLURGICAL LITERATURE CLASSIFICATION

LEON: 5174127										TECH: 504177									
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SIBURO WIP ONV ONE										RELEST ONE									
L O N D O * 7										R E L E S T O N E									

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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

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

711

Laboratory Furnace for Melting and Pouring of Metals in Vacuum. S. Y. Sergeev and D. S. Shreiber (*Zavod. Lab. (Works' Lab.)*, 1937, 6, (2), 242-246). — [In Russian.] A vacuum resistance furnace is described, having Nichrome or molybdenum winding. The metal is poured by turning the whole furnace on an horizontal axis. The mould is freely suspended in the furnace.—D. S. S.

ADDITIONAL INFORMATION

NONMETALLURGICAL 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

PROCESSES AND PROPERTIES INDEX

1ST AND 2ND GROUPS

15

M

The Vacuum Test for Control of the Gas Content of Aluminium Alloys.
 S. V. Sergeev and I. N. Fridlyander (*Zavod. Lab. (Works' Lab.)*, 1940, 9, 874-876; *Chem. Zentr.*, 1942, 112, (1), 2567; *C. Abstr.*, 1943, 37, 3698).—[in Russian.] Properly applied, the vacuum test gives a good qualitative indication of the gas content of molten aluminium alloys. Usually there is no definite relation between the results of the vacuum test and the porosity determination, although a relationship can be shown by the application of statistical methods.

COMMON ELEMENTS

COMMON VARIABLES INDEX

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND GROUPS

1ST AND 2ND GROUPS

СЕРГЕЕВ, С. В.

"Determination of the Viscosity of Molten Aluminium and its Alloys," Dok. AN, 30, No. 2, 1941; Lab. for Physics of Metals, Inst. of Aircraft Materials. cl941-.

BERNARD, S. V.

"The Tenacity of Aluminum-Silicium Alloys," 33, No. 3, 1941. Lab. of Physics of Metals, Inst. of Research in Materials for Airplane Flights, Moscow. cl 41-.

ca

9

Determination of the viscosity of molten alloys and its applications. S. X. Sergeyev and E. V. Polyak. *Zavodskaya Lab.* 13, 336-44 (1947). Abs. viscosities η were detd. from the photographically recorded logarithmic decrements of torsional oscillations of a steel sphere (20-25 mm.) suspended on a 50-60-cm. steel wire (0.20-0.25 mm. in diam., calibrating the app. with H_2O and CaH_2 and calcg. η by the formulas of Verschaffelt (C.A. 10, 994). (1) In pure Al, Bi, Sn, and in eutectic Silumin (Al 88-Si 12), η increases sharply with the falling temp. nearing the freezing temp.; $\log \eta$ in terms of $1/T$ is linear over a wide temp. interval but deviates from linearity close to freezing; this indicates beginning structure formation in the liquid state at the precrys. stage, or superheated structure above the melting temp. (2) The binary system Al-Si (up to 19% Si) at 700° shows, besides the min. of η at the eutectic compn. an initial increase with increasing Si up to a sharp

10th hr. were: at 100°, 20, 25, 10, and 5 ml. hr.; at 140°, 25, 27, 17, and 8 ml. hr. The effect of temp. is more pronounced at higher rates of flow: thus, at 2° l./hr. (time of contact 13 sec.), 75-80% is polymerized during the 1st few hrs. at 140° as against 40-50% at 100° and 85-95% at 100° and 10 l./hr. At 50-60°, polymerization is very slow and will not exceed 15-20%; no polymerization will take place at 15-20°. The polymerize has an av. mol. wt. of 170, av. Br no. of 43, octane no. 84.9, approx. group compn.: unsatd. hydrocarbons 41, satd. 29, aromatics 30%. The relative aints. (%) and d_{40} , resp., of the different fractions were: total distillate, b. 40-350°, 100, 0.709; fraction b. 40-120°, 8, 0.700; 120-50°, 8, 0.7433; 150-200°, 20, 0.750; 200-25°, 6.5, 0.770; 225-50°, 13, 0.7895; 250-300°, 27, 0.809; 300-50°, 0, 0.818. N. Thon

ASB 35A METALLURGICAL LITERATURE CLASSIFICATION

11

11

2

**Determination of the Viscosity of Alloys of the System Tin-Bismuth. E. V. Polyak and S. V. Sergeev (Doklady Akad. Nauk S.S.S.R., 1947, 57, 677-690; C. Abs., 1950, 44, 8304).—By the method previously described (ibid., 1941, 20, 137; 22, 244; M.A. S. 129; 10, 201), the viscosity curves for the system Sn-Bi were determined at 200°, 235°, 270°, 320°, 350°, and 400° C. At 200° and 235° C. clearly defined viscosity max. were found in the neighbourhood of the eutectic. These disappeared at 270° C. It is suggested that this phenomenon is due to the development of a structure as, e.g., crystal nuclei.*

SERGEEV, S. V.

SERGEEV, S. V. and
POLYAK, E. V.

C. A. Vol. 42, January 10 - May 10, 1948
1545 h

"Determination of the Viscosity of Molten Alloys and its Applications
S.V. Sergeev and E. V. Polyak. Zavodskaya Lab. 13, 336-44 (1947).-

Abs. viscosities η were detd. from the photographically recorded logarithmic decrements of torsional oscillations of a steel sphere (20-25 mm.) suspended on a 50-60-cm. steel wire 0.20-0.25 mm. in diam., calibrating the app. with H_2O and C_6H_6 and calcg. η by the formulas of Verschaffelt (C.A. 10, 994.) (1) In pure Al, Bi, Sn, and in eutectic Silumin (Al 88-Si 12), η increases sharply with the falling temp. nearing the freezing temp.; $\log \eta$ in terms of $1/T$ is linear over a wide temp. interval but deviates from linearity close to freezing; this indicates beginning structure formation in the liquid state of the precrystn. stage, or superheated structure above the melting temp. (2) The binary system Al-Si (up to 19% Si) at 700° shows, besides the min. of η at the eutectic compon. an initial

SEIGNEV, S. V.

"Investigation of the Viscosity of Lead-Bismuth Alloys," Dok. An, 57, No. 7. '47

SEREBYEV, S.V.

Fiziko-khimicheskie svoistva zhidkikh
metallov (Physico-chemical properties of liquid
metals). Moskva, Oborongiz, 1952. 172 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 1, April 1953

POLYAK, E.V.; SERGEYEV, S.V.

Viscosity of smelts in a high vacuum. Izv.Sekt.fiz.-khim.anal. 22:83-
91 '53. (MLRA 7:5)

(Viscosity) (Alloys)

92 69-17705, 1
REZIN, M.G.; KROPACHEV, G.P.; BURDE, L.V.; SERGEYEV, S.M.; SEMENOV, G.F.;
OSYKHOVSKIY, I.G.; DROBININ, Ya.I.; KOCHNEV, E.K.; MILAYKINA, R.N.
PARAMONOVA, Ye.I.; LIKHACHEV, M.N. [deceased].

"Electric engineering." A.S. Kasatkin, M.A. Perekalin. Reviewed by M. G.
Rezin and others. Elektrichestvo no.7:94-95 J1 '57. (MIRA 10:8)
(Electric engineering)
(Kasatkin, A.S.) (Perekalin, M.A.)

137-58-6-11544

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 42 (USSR)

AUTHOR: Sergeyev, S.V.

TITLE: Lessons from the History of the Growth and Development at the Magnitogorsk Metallurgical Kombinat (Iz istorii stroitel'stva i osvoyeniya Magnitogorskogo metallurgicheskogo kombinata)

PERIODICAL: Tr. Ural'skogo politekhn. in-ta, 1957, Nr 40, pp 75-106

ABSTRACT: The premises for the establishment of the second base for coal and metallurgy in the USSR are examined, as is the history of the development of metallurgical production at the MMK. The first unit of the MMK was built in 5 years (1929-1935), while the largest Gary Mill, in the USA, was built by gradual expansion over a 14-year period (1906-1920), and the Krupp Works in Germany, with a capacity of 2,000,000 t of pig iron, took 20 years. Prior to the war, the MMK was providing 12% of the high-grade steel produced in the Soviet Union. The MMK went off government subsidy as of Dec. 1, 1935, and began to show a profit. The establishment of the MMK and the KMK made it possible to save approximately 250,000,000 rubles on transportation costs alone. During the war, the MMK was the first

Card 1/2

137-58-6-11544

Lessons from the History (cont.)

in the history of the industry to smelt armor steel in large-capacity metallurgical furnaces with basic roofs.

D.P.

1. Steel industry--USSR

Card 2/2

AUTHOR: *SERGEY VASIL'YEVICH* SOV/144-58--10-12/17
Sergeyev, S.V., Senior Lecturer

TITLE: A Diagram for Selecting the Parameters of a Stabilising Transformer with a Given Degree of Stability (Diagramma dlya vybora parametrov stabiliziruyushchego transformatora po zadannym stepeniyam ustoychivosti)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Elektromekhanika, 1958, Nr 10, pp 124-134 (USSR)

ABSTRACT: In electric drives generator-motor systems are often used in which the generator is excited by an amplidyne. Because of the high amplification factor and the presence of electro-magnetic and electro-mechanical inertia such systems are subject to hunting. Hunting can be reduced by the use of flexible negative feed back which is usually obtained from one of the control windings through a stabilising transformer connected in the amplidyne armature. One of the main problems in the design and adjustment of such drive systems is selection and determination of the parameters of the stabilisation system. A generator-motor drive with the circuit shown in Fig 1 is then considered. The method of operation of this circuit is well known. It is of interest to define

Card 1/3

SOV/144-58-10-12/17

A Diagram for Selecting the Parameters of a Stabilising Transformer
With a Given Degree of Stability

the region of stability of this circuit in general form. Curves of equal degree of stability are constructed for particular numerical examples as a general solution is very complicated. Formula (12) is then derived as the characteristic equation of free motion of a closed electric drive system during acceleration. This equation is then somewhat simplified and the roots of the simplified equation are given by expression (21). It is then shown how to derive the boundaries of the region of stability from these expressions. The graph of the region of stability together with lines of equal degrees of stability form a diagram which is of value in selecting the parameters of the primary and secondary circuits of a stabilising transformer for an electric drive control system. The procedure is explained and a worked numerical example is given. For this example the graph of the region of stability is given in Fig 2 and design characteristics of the transformer are derived.

Card 2/3

The actual values of the time constants of the

SOV/144-58-10-12/17

A Diagram for Selecting the Parameters of a Stabilising Transformer
With a Given Degree of Stability

stabilising transformer winding are a little greater
than the calculated values but general agreement is
quite satisfactory. There are 3 figures, 2 tables
and 4 Soviet references.

ASSOCIATION: Kafedra Obshchey Elektrotekhniki Ural'skogo
Politeknicheskogo Instituta (Chair of General Electrical
Engineering, The Ural Polytechnical Institute)

SUBMITTED: 22nd May 1958

Card 3/3

SERGEYEV, S.V., inzh.

Selecting the stabilizing transformer on the basis of given stability degrees for a standard electric drive circuit of a generator-motor system. Izv.vys.ucheb.zav.; energ. 2 no.12: 30-37 D '59. (MIRA 13:5)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.
Predstavlena kafedroy obshchey elektrotekhniki.
(Electric transformers)
(Electric driving)

SERGEYEV, S.

Electric motor. Un.tekh. 3 no.7:21 JI '59.
(Electric motors)

(MIRA 13:8)

SERGEYEV, S.

Synchronous electric motors. IUn. tekhn. 4 no.9:69 S '59.
(MIRA 12:12)
(Electric motors, Synchronous)

SERGEYEV, S.

"Universal" machine for winding coils. IUn.tekh. 4 no.12:57
D '59. (MIRA 13:4)
(Electric coils)

SERGEYEV, S.V.

Calculation of transient processes in an amplydine-controlled
generator-motor system. Trudy Ural. politekh. inst. no. 79:134-
159 '59. (MIRA 13:7)
(Electric driving) (Automatic control)

SERGEYEV, S. V., Cand Tech Sci -- (diss) "Methods of calculation of stabilization equipment in a system of a generator-motor with electrical machine control." Sverdlovsk, 1960. 18 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Ural'skiy Polytechnic Institute S. M. Kirov); 150 copies; price not given; (KL, 23-60, 125)

SERGEYEV, S.V.

Stabilization in a generator-motor system with excitation
of the generator by an amplidyne. Trudy Ural. politekh.
inst. no.124:87-92 '62. (MIRA 16:3)

SERGEYEV, Sergey Vasil'yevich, kand.tekhn.nauk, dotsent

Use of bridge stabilizer networks in a generator motor system with current cutoff. Izv.vys.ucheb.zav.; elektromekh. 5 no.4:444-449 '62. (MIRA 15:5)

1. Kafedra obshchey elektrotekhniki Ural'skogo politekhnicheskogo instituta.

(Electric driving)

SERGEYEV, S.V., kand. tekhn. nauk; SIUNOV, N.S., prof.

Calculation of the parameters of a stabilization bridge circuit in a generator-motor system with generator voltage cutoff. Izv. vys. ucheb. zav.; gor. zhur. 6 no.4:158-165 '63. (MIRA 16:7)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.
Rekomendovana kafedroy obshchey elektrotehniki.
(Mining machinery—Electric driving)

SERGEYEV, Sergey Vasil'yevich, kand. tekhn. nauk, ispolnyayushchiy
obyazannosti dotsenta

Determination of the parameters of the stabilizing transformer
in the electric drive of the generator-motor system. Izv. v/s.
ucheb. zav.; elektromekh. 6 no.4:506-512 '63. (MIRA 16:7)

1. Kafedra obshchey elektrotehniki Ural'skogo politekhnicheskogo
instituta.

(Electric driving)

SERGEYEV, S.V.; ANDREYEV, F.I.

Choice of network parameters for the connection of control
windings of amplidynes in generator-motor systems. Trudy
Ural. politekh. inst. no. 138:173-181 '64 (MIRA 19:1)

VIKHLIANTSEVA, A.N.; SERGEYEV, S.V., agronom-entomolog

Results of controlling the shield bug *Eurygaster integriceps* over
a period of many years. Zashch. rast. ot vred. i bol. 4 no.2:23
Izr-Ap '59. (MIRA 16:5)

1. Nachal'nik Checheno-Ingushskoy ekspeditsii po bor'be s massovymi
vreditelyami (for Vikhlyantseva).
(Chechen—Ingush A. S. S. R.—Erygasters—Extermination)

SERGEYEV, Sergey Vladimirovich; PROLOV, Viktor Grigor'yevich;
KORNEYEV, S.G., red.; KHAYKINA, A.Ye., nauchn. red.;
POPCV, V.N., tekhn. red.

[Virus of unreliability] Virus nenadezhnosti. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 15 p. (Bibliotechka novatora, no.1) (MIRA 16:10)
(Machinery industry--Quality control)

SERGEYEV, Stanislav Vasil'yevich, traktorist; GAVRILOV, I.S., red.;
PRESNOVA, V.A., tekhn. red.

[For over-all mechanization] Za kompleksnuiu mekhanizatsiiu.
Leningrad, Lenizdat, 1962. 21 p. (MIRA 16:2)

1. Sovkhoz "Pobeda" Lomonosovskogo rayona, delegat XXII s"ezda
Kommunisticheskoy partii Sovetskogo Soyuz (for Sergeyev).
(Farm mechanization)

MARKAR'YAN, O.I.; SERGEYEV, S.Ya.

Recovery from salvarsan encephalitis. Vest.ven.i.derm.no.3:
56-57 My-Je '55. (MLRA 8:10)

1. Iz Semipalatisnogo oblastnogo kozhno-venerologicheskogo
dispansera
(SYPHILIS) (SALVARSAN) (ENCEPHALITIS)

VASHCHENKOVA, A.P.; SERGEYEV, S.Ya.

Morbidity due to dermatoses in the Semipalatinsk Leather
Combine; preliminary report. Zdrav.Kazakh. 22 no.6:28-30 '62.
(MIRA 15:11)

1. Iz kafedry kozhno-venericheskikh bolezney (zav. - dotsent
R.Kh.Abdusametov) Semipalatinskogo meditsinskogo instituta.
(SEMIPALATINSK--LEATHER WORKERS--DISEASES AND HYGIENE)
(SKIN--DISEASES)

ABRAMOVICH, L.A., dotsent; IGUMNOV, A.K., kand. med. nauk; AHSMARIN, Yu.Ya., kand. med. nauk; GATKIN, Ye.D.; SERGEYEV, S.Ya.; YEFIMOV, M.L., kand. med. nauk.

Dermatologic casuistics. Vest. dermat. i ven. 37 no.6:76-77
Je '63. (MIRA 17:6)

1. Klinika kozhnykh i venericheskikh bolezney, Chita (for Abramovich, Igumnov). 2. Kozhnoye otdeleniye Glavnogo voyennogo gospihalya imeni N.N. Burdenko (for Ashmarin). 3. Altayskiy kozhno-venerologicheskiy dispanser (for Gatkin). 4. Kafedra kozhnykh i venericheskikh bolezney, Semipalatinsk (for Sergeyev, Yefimov).

SERGEYEV, S.Ya.

Treatment of skin diseases at the mineral springs of Barlyk-
Arasan. Zdrav. Kazakh. 22 no.10:47-51 '62. (MIRA 17:5)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - dotsent
R.Kh. Abdusametov) Semipalatinskogo meditsinskogo instituta.

AUTHORS: Sergeyev, T.I., and Khmelik, A.I. SOV/130-59-1-13/21
TITLE: Organization of Product Quality Control (Ob organizatsii kontrolya kachestva produktsii)
PERIODICAL: Metallurg, 1959, Nr 1, pp 28-29 (USSR)
ABSTRACT: In this further contribution to the correspondence started by the article of N.P. Inozemtsev, Ya.I. Sokol, I.F. Rysev, D.A. Tarasenkov and S.I. Zamyatin ("Metallurg", 1957, Nr 9) the authors discuss the functions of technical control department inspectors in blast-furnace and especially sinter plants. They compare the numbers of such inspectors in the iron-making departments at various Soviet works and give a table showing which operations are supervised by inspectors and which by production personnel. They recommend that operational inspection in the iron-making department should be eliminated and that sinter quality control should be left to the central works laboratory and blast-furnace

Card 1/2

SOV/130-59-1-13/21

Organization of Product Quality Control

personnel. They draw attention to the low level of mechanization available to inspectors. For testing raw materials arriving at works the authors favour the system at the Stalinskiy works where suppliers' data are accepted and give some data for support of this.

There is 1 table.

ASSOCIATION: VNIIOChERMET

Card 2/2

1. SERGEYEV, V.: ZHURKOVSKAYA, G.: PAL'KOVA, M.
2. USSR (600)
4. Butter
7. Storage stability of molded sweet cream butter. Mol. prom. 13 no. 11, 1952.

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

SERGEYEV, V.

Sports or alcohol; feuilleton. Okhr.truda i sots.strakh.
no.9:74-75 S '59. (MIRA 13:1)
(Kharkov--Sporting goods--Hygienic aspects)

S.S./92-18-7-5/37

AUTHOR: Sergozer, V. Senior Engineer

TITLE: Bavly Oilfield Production on the Uptrend (Bavliniskiye promysly na podnyeme)

PERIODICAL: Neftyanik, 1958, ³№ 7, pp 4-5 (USSR)

ABSTRACT: The author states that the celebration of the 1958 new year coincided with important achievements by the Bavly oilmen in the field of petroleum production. The 1957 oil production plan of the Bavly Administration was overfulfilled by 1.8 percent. Such progress is due to new advanced methods applied to oil production. Excellent results were obtained through the flooding of productive formations. Thanks to this method 81 percent of all productive oil wells now operate as free flow wells. As a result, in 1957 2.5 million tons of petroleum were produced in excess of the target figure set by the annual production plan. Moreover, hydraulic fracturing of formations was also applied in the Bavly fields and produced an additional 14,400 tons of petroleum. It should be

Card 1/3

SOV/92-50-7-5/37

Bavly Oilfield Production on the Uptrend

pointed out, however, that the TsA-500 units used in hydraulic fracturing do not operate satisfactorily and it would be better to use the more powerful TsA-500 units. The automation and telemechanization of petroleum production processes are gradually being introduced at the Bavly oilfields. In order to apply automation and telemechanization to all operations carried out at Bavly, the Petroleum Production Administration has requested the Design Bureau of Petroleum Equipment and Instruments to develop automation and mechanization systems controlling the flooding of productive formations. The same design bureau is now developing the telemechanization system for tank farms and oil gathering centers. Moreover, a number of experiments are being carried out with various automatic remote control instruments and equipment. Serious attention is being paid to the problem of automatic removal of paraffin deposits from pump tubings. Numerous wells are already equipped with ADU-1 deparaffinization units. Scrapers controlled automatically from the dispatcher's desk are being tested and introduced. Drillers are taking active part in testing the new automatic equipment and instruments and are helping to eliminate defects discovered in the course of operations. New

Card 2/3

Bavly Oilfield Production on the Uptrend

SCV/92-38-7-3/37

methods of core study and particularly radioactivity well-logging are applied in certain cases. However, it should be pointed out that the mass production of new equipment and instruments and the supplying of oilfields with the necessary spare parts and material are not yet properly organized. The Bavly oil workers hope, however, that the situation will improve and will permit them to complete their production assignments on time.

ASSOCIATION: PTO NPU Bavlyneft' (Production and Technical Section of the Bavlyneft' Petroleum Production Administration)

1. Petroleum--Production
2. Industrial equipment--Automation
3. Control systems--Design
4. Personnel--Attitudes

Card 3/3

SEIGEYEV, V.

USSR/ Electronics - Radio

Card 1/1 Pub. 89 - 5/24

Authors : Sergeev, V.; Morov, M.; Titovskiy, I.; Bogomolov, A.; Larshin, Yu;
Ivanov, A.; and Rogachev, V.

Title : Over thousands of kilometers

Periodical : Radio 5, page 11, May 1955

Abstract : Brief messages from various Soviet expeditions (Antarctic, Wrangel Island, Indian Ocean, Uedinenie Island, Cape Schmidt) praising the great achievements of Soviet radio communications system. Illustrations.

Institution :

Submitted :

SERGEYEV, V., obshchestvennyy avtionspektor (Vronezh)

One-thousand mile tour in England. Za rul. 19 no.12:24--
25 D '61. (MIRA 14:12)

(Great Britain--Description and travel)