

YUDIN, Petr Sergeyevich, kand. tekhn. nauk; MASHEV, Viktor Alekseyevich, inzh.; ZERNOV, S.A., retsenzent; PANOV, S.N., retsenzent; GRIGOR'YEV, S.N., red.; FEDYAYEVA, N.A., red. izd-va; POKHLEBKINA, M.I., tekhn. red.

[Mechanization of straightening operations] Mekhanizatsiya vypravitel'nykh rabot. Moskva, Izd-vo "Rechnoi transport," 1961. 131 p. (MIRA 14:6)

(Rivers--Regulation)

(Earthmoving machinery)

PANOV, Sergey Nikolayevich; FEDYAYEVA, N.A., red.

[Water surveys] Vodnye izyskaniia. Moskva, Transport,
1964. 244 p. (MIRA 17:12)

SHUKHMAN, Z.S.; PANOV, S.P.

Building machinery

Automatic lifting of sliding forms with hydraulic crawler jacks, Stroi. prom., 30,
No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1952 ~~1951~~, Uncl.

SHUKHMAN, Z.S., PANOV, S.P.

Concrete Construction--Forework

Automatic lifting of sliding forms with hydraulic crawler jacks. Stroi. prom., 30,
No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1952 1958, Uncl.

PANOV, St., inzh.; BOBEV, G., khim.

Ventilation in the shops for lead refining. Min delo 17
no.12:32-36 D '62.

1. Nauchnoizsledovatel'ski institut po okhrana na truda i
profesionalni zaboliavania.

PANOV, Stoil, inzh.; KARLSON, Valentin, inzh; ILIEV, Iliia, inzh.;
VULCHEV, Rosen, inzh.

Ventilation of particle board shops. Durvomebel prom. 7
no.1:22-26 Ja-F'64

1. Nauchnoizsledovatel'ski institut po okhrana na truda i
profesionalna zaboliavaniia, Sofiia.

ACCESSION NR: AP4002549

S/0247/63/013/006/1105/1107

AUTHOR: Mil'shteyn, G. I.; Panov, S. V.

TITLE: Simplified model of an automatic device for investigating defensive conditioned motor reflexes

SOURCE: Zhurnal vysshey nervnoy deyatel'nosti, v. 13, no. 6, 1963, 1105-1107

TOPIC TAGS: conditioned motor reflex, defensive motor reflex, piezoelectric pickup, conditioned reflex, motor reflex, psychomotor test

ABSTRACT: A simplified model of the complex automatic device developed by D. M. Belov, S. S. Krylov, and Ye. A. Snegirev to investigate defensive conditioned motor reflexes of cats and dogs is described. The simplified model consists of four basic units. The first (see Enclosure 1) is a screened chamber divided in two by a partition. Each half has a removable floor made of aluminum pipes which are supplied with AC current of the required voltage. Under the floors are piezoelectric pickups for registering animal movements.

Card 1/42

ACCESSION NR: AP4002549

A bell, a buzzer, and two light signals of different intensities are attached to the ceiling of the chamber. The second unit (see Enclosure 2) is a portable automatic control unit. The third unit records the types of stimuli and the reactions of the animals. The fourth unit supplies the device with either of two types of AC current. Orig. art. has: 3 figures, 2 enclosures.

ASSOCIATION: None

SUBMITTED: 15Mar63

DATE ACQ: 07Jan64

ENCL: 02

SUB CODE: AM

NO REF SOV: 000

OTHER: 000

Cord 2/42

MIL'SHTEYN, G.I., PANOV, S.V.

Restraint table for monkeys. Lab. delo no. 6:55-57 E-D '58
(MIRA 11:12)

(PHYSIOLOGICAL APPARATUS)
(MONKEYS AS LABORATORY ANIMALS)

PANOV, T. N.

"Determination of the Graduation Value of a Variometer of Declination by the Method of Absolute Observation," by T. N. Panov, Tr. N.-i. in-ta zemn. magn., No 11, 1955, pp 151-154 (from Referativnyy Zhurnal -- Fizika, No 9, Sep 56, Abstract No 27462)

"Since 1946 the Vysokaya Dubrava (near Sverdlovsk) magnetic observatory has used the following method for determining the graduation value of a D-variometer. At the moment of maximum and minimum daily operation D, absolute observations were made. After getting D_{max} and D_{min} and the variometer readings at these moments n_{max} and n_{min} , we may compute the graduation value of the variometer ϵ_D : $\epsilon_D = (D_{max} - D_{min}) (n_{max} - n_{min})$. This method provides the reliable determination of ϵ_D , which is confirmed by the stability of the basic values of variometer D_0 at various hours of the day, while with the previous determinations of ϵ_D (based on geometric computations), a certain scattering of D during morning and daylight hours was observed. This is explained, according to the author, by the anomaly of the magnetic field at the location of the instrument, or inside the variometer. The determination of ϵ_D from absolute observations, even though somewhat cumbersome (15-20 observations), is nevertheless simple and may be recommended to other magnetic observatories."

Sum 1219

PANOV, T.N.; SHAPIRO, V.A.

Comparison of the determination of the T modulus of the total vector according to absolute observations of the field elements at the Vysokaya Dubrava observatory with the data of a PM-1 proton magnetometer. Geomag. i aer. 5 no.2:369-371 Mr-Ap '65. (MIRA 18:7)

1. Institut geofiziki Ural'skogo filiala AN SSSR.

S/874/62/000/002/008/019
D218/D308

AUTHOR: Panov, T.N.
TITLE: The magnetic storm of July 15, 1959 (according to the data of the 'Vysokaya Dubrava' Observatory)
SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 141-143

TEXT: The magnetic storm of July 15, 1959 began at 03.02 hr GMT and continued until 03.00 on July 16. According to the magnetograph records of the above Observatory the difference between the maximum and minimum values of the magnetic elements during the storm were as follows: magnetic declination $3047'$, horizontal component 2345γ , vertical component 1102γ . An ionosphere storm occurred at the same time. The sudden change in the magnetic elements was found to be correlated with similar changes in the critical frequency of the F2 layer, the position of the F2 layer, and the intensity of the μ -meson component. It is suggested that the flare which was observed
Card 1/2

The magnetic storm of July 15, 1959 ...

S/874/62/000/002/008/019
D218/D308

served on the surface of the sun on July 14 gave rise to an enormous ejection of matter in the form of charged particles. After 29 hours this corpuscular stream reached the earth and gave rise to the major ionospheric-magnetic storm. There is 1 figure.

Card 2/2

PANOV, T. N.

37-11-10/18

AUTHOR: Panov, T. N.

TITLE: Determining the Scale Value of a D-Variometer by the Method of Absolute Measurements (Opredeleniye tseny deleniya variometra skloneniya metodom absolyutnykh nablyudeniye)

PERIODICAL: Trudy Nauchno-issledovatel'skogo instituta zemnogo magnetizma, 1957, Nr 11(21) pp. 151-154 (USSR)

ABSTRACT: The author reports on the observations and results of a test at Vysokaya Dubrava Observatory. G. Vil'd is mentioned as a reference. There are 1 figure, 2 tables, and 3 references, all USSR.

AVAILABLE: Library of Congress

Card 1/1

L 51986-65 EWT(1)/PQO/EEC(t) Po-4/P1-4 GW

ACCESSION NR: AP5010283

UR/0203/65/005/002/0369/0371

550:385

23
21
B

AUTHOR: Panov, T. N., Shapiro, V. A.

TITLE: Comparison of determinations of the full vector modulus T according to absolute observations of field elements at the Vysokaya Dubrava Observatory with data of the PM-1 proton magnetometer

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 2, 1965, 369-371

TOPIC TAGS: proton geomagnetometer, terrestrial magnetism, geomagnetic field, full vector modulus, magnetic field measurement, proton precession

ABSTRACT: The determination of the T modulus by means of the PM-1 proton magnetometer is described. PM-1 magnetometer No. 31 has been in operation at the Vysokaya Dubrava Observatory since 4 January, 1963. The determination of a magnetic field by means of precision proton magnetometers is shown to resolve itself to the measurement of the free precession frequency of the protons. In the case under consideration, this fre-

were made during 1963. In addition, 102 determinations were made

L 51986-65

ACCESSION NR: AP5010283

metering frequency meter. The modifications made in the automatic control unit of the PM-1 magnetometer for this purpose are described in the article. An analysis is given of a series of tests conducted for the purpose of comparing data on frequency determination obtained with the PM-1 magnetometer. In October of

rection factors. The last mentioned factor is found to be

Card 2/3

L. 54986-65

ACCESSION NR: AP5010283

2

discrepancy. As a result of their study, the authors conclude that precision proton magnetometers should be introduced into observatory work as soon as possible, so that it will be possible to measure not only the modulus T but also the absolute values of the fundamental magnetic elements (H , Z , D , I). For this purpose, the magnetometer must be equipped with a system of high-precision Helmholtz rings. Experimental devices of this type have already been developed. "In conclusion, the authors express their gratitude to N. A. Ivanov for his

constant support and assistance during all stages of the work. 2 formulas.

ASSOCIATION: Institut geofiziki UFAN SSSR (Institute of Geophysics, UFAN SSSR)

SUBMITTED: 08Jun64

ENCL: 00

SUB CODE: EM, ES

NO REF SOV: 004

OTHER: 007

Cord 3/3

PANOV, T.N.

Determining graduation values of an inclination variometer by means of absolute observations. Trudy NIIZM no.11:151-154 '55.(MLRA 9:8)
(Variometer)

Corrosion from leaded gasolines. V. Panyuk. *Vestnik Vsesoyuznogo Nauch. Ts. 68-74*. A review of methods used to protect engines against corrosion from gasolines containing PbPb. Both corrosion-resistant alloys and coatings are dealt with. H. Z. K.

STARKMET, Aleksandr Mavrikiyevich; FANOV, V., red.

[Saratov; a guidebook] Saratov; putevoditel'. Saratov,
Saratovskoe knizhnoe izd-vo, 1963. 159 p. (MIRA 17:5)

MAKHLAYUK, Vitaliy Petrovich; NAZAROV, Grigoriy Stratonovich,
prof., red.; PANOV, V., red.

[Medicinal plants in popular medicine] Lekarstvennye
rasteniia v narodnoi meditsina. Saratov, Privolzhskoe
knizhnoe izd-vo, 1964. 557 p. (MIRA 17:12)

BORISOV, Mikhail Ivanovich, kand. tekhn. nauk; PANOV, V., red.

[Mechanized grain-cleaning barns] Mekhanizirovannyye
toka. Saratov, Saratovskoe kniz'noe izd-vo, 1963. 41 p.
(MIRA 17:5)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyay-
stva Yugo-Vostoka (for Borisov).

KARTASHOV, Vladimir Petrovich; PANOV, V., red.; LUKASHEVICH, V.,
tekhn. red.

[Unit-method maintenance of motor vehicles during harvesting]
Agregatnyi metod obsluzhivaniia avtomobilei vo vremia uborki
urozhaia. Saratov, Saratovskoe knizhnoe izd-vo, 1962. 25 p.
(MIRA 16:1)

(Saratov Province--Motortrucks--Maintenance and repair)

PANOV, V.

For peace and mutual understanding. NTO no.1:54-55 Ja '59.
(MIRA 12:2)

1. Zaveduyushchiy Mezhdunarodnym otделom Vsesoyuznogo soveta
nauchno-tekhnicheskikh obshchestv.
(Russia--Relations (General) with foreign countries)

PANOV, V.
BULGARIA/Cultivated Plants - Fruits and Berries.

M-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10959

Author : Panov, V., Ivanov, V.

Inst :

Title : The Formation of Crowns on Fruit Trees.

Orig Pub : Ovoshcharstvo i gradinarstvo, 1957, No 2, 14-19

Abstract : No abstract.

Card 1/1

PANOV, V.

Economic forms of modern colonialism. Vop. ekon. no.3:65-77
Mr '63. (MIRA 16:3)
(Africa—Foreign economic relations)

BELETSKIY, F.A., dots., kand. fiz.-matem.nauk; BIRKUN, N.Ye., inzh.;
KAZANOV, V.A., inzh.; KLYUSHIN, S.M., dots.; KRUCHININ, V.L.,
inzh.; MARCHENKOV, Ya.P., dots.; PISKAREV, V.S., inzh.;
RUTSKIY, A.I., inzh.; SOKOLOV, N.M., dots., kand. tekhn. nauk;
SOLUYANOV, L.N., inzh.; SHKARBANOV, Petr Fedorovich, dots.,
kand. tekhn. nauk; PANOV, V., red.; LUKASHEVICH, V., tekhn.red.

[Handbook for electricians] Spravochnik elektriika. Saratov,
Saratovskoe knizhnoe izd-vo, 1963. 458 p. (MIRA 17:1)

YEFIMENKO, Trifon Alekseyevich, dots.; MAKAROV, Konstantin
Ivanovich, assistant [deceased]; PANOV, V., red.;
MOKROUSOVA, A., tekhn. red.

[Manual on the overall mechanization of chemical protection
of plants] Kompleksnaia mekhanizatsiia khimicheskoi zashchi-
ty rastenii; spravochnik. Saratov, Saratovskoe knizhnoe izd-
vo, 1963. 95 p. (MIRA 17:3)

PANOV, V., zootekhnik kolkhoza; TITOV, V., tekhnik-osemenitel'

Artificial insemination station on the collective farm.
Nauka i pered. op. v sel'khoz 8 no.12:46 D '58. (MIRA 12:1)

1. Kolkhoz "Krasnaya poyma" Lukhovitskogo rayona Moskovskoy oblasti.
(Artificial insemination)

PANOV, V.

KOVACHEV, G.; PANOV, V. "Agrotechnics of Fruit Plants in State Shelter Belts." p. 13.
(Kooperativno Zemedelie. Vol. (7) no. 11/12, 1952. Sofiya.)

East European Vol. 3, No. 6
SO: Monthly List of ~~Russian~~ Accessions, Library of Congress, JUNE 195⁴, Uncl.

APANAS'YEV, N.; KORCHAGINA, Z.; PANOV, V.; SHELAKHIN, P.

Words of truth about the Soviet Union. Sov.profsoiuzny 2 no.5:77-86 My '54.
(MLRA 7:6)

(Russia--Description and travel)

PANOV, V.

Korroziia ot benzinov s etilovoi zhidkost'iu. (Vestnik vozdushnogo flota, 1938. v. 20, no. 1, p. 68-74, tables, diagsr.)

Title tr.; Corrosion due to petrol containing ethyl fluid.

TL504.V45 1938

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

COUNTRY : Bulgaria
CATEGORY : Cultivated plants, Fruits, Berries, Vines, etc.
JRS. JOUR. : RZEPOL, No. 1, 1952, No. 172
AUTHOR : Vasilev, V., Vidanov, H.; Pulev, G.
INST. : -
TITLE : Status and possibilities for the development of fruit
Growing in the Kreskovaia camp (in Bulgaria).
ORIG. PUB. : Kreskovaia i Kreskovaia, 1952, No. 1,
11-13
ABSTRACT : No abstract.

CAID: 1/1

PANOV, V., podpolkovnik

Made of wood waste. Tyl i snab.Sov. Voor.Sil 21 no.2:91 F '61.

(MIRA 14:6)

(Hardboard)

PANOV, V.,
E. TITO, ZhPKh 5, 958-80 (1932)

Page, 2.

U. S. S. R., 1970-1971, 1972, 1973, 1974-1975

PANOV, V.

Our friends visit us. BTO 2 no.11:61-63 N '60. (MIRA 13'11)
(Russia--Relations (General) with East Germany)
(Germany, East--Relations (General) with Russia)

ZAPARA, S.A., kand. tekhn. nauk; PANOV, V.A.; VARAVA, I.P.

Optimal standard dimensions of excavators and dump trucks
for Krivoy Rog Basin strip mines. Met. i gornorud. prom.
no.1:59-61 Ja-F '64. (MIRA 17:10)

PANOV, V.A.; MARKOV, A.P.

Electric equipment on motorships of the "Ugleural'sk" type. Inform.-
sbor.TSNIIMF no.52. Tekh.ekspl.mor.flota no.5:69-78 '60.
(MIRA 15:2)

(Electricity on ships)

PANOV, V.A., kand. tekhn. nauk; METS, Yu.S.; LYAKHOV, N.I.;
OKSANICH, I.P.

Improvement of boring and blasting operations in mining and
ore dressing combines of the Krivoy Rog Basin. Met. 1 gornorud.
prom. no.3:53-55 My-Je '65. (MIRA 18:11)

KRUGER, M.Ya., inzh.; PANOV, V.A., kand. tekhn. nauk; KULAGIN, V.V.,
kand. tekhn. nauk; POGAREV, G.V., kand. tekhn. nauk; KRUGER,
Ya.M., inzh.; LEVINZON, A.M., inzh.; Primal uchastiye
KALINKEVICH, V.N., inzh.; KAZANSKIY, A.V., kand. tekhn. nauk,
retsenzent; DMITRIYEV, A.A., inzh.; SIMONOVSKIY, N.Z., red.
izd-va; MITARCHUK, G.A., red.izd-va; SHCHETININA, L.V., tekhn.
red.

[Handbook for the designer of optical instruments] Spravochnik
konstruktora optiko-mekhanicheskikh priborov. [By] M.IA.
Kruger i dr. Moskva, Mashgiz, 1963. 803 p. (MIRA 16:12)
(Optical instruments)

PANOV, V.A.

Some parameters of ship winches with direct current electric drives.
Inform. sbor. TSNIIIMF no.47. Tekh. ekspl. mor. flota no.3:65-74
'60. (MIRA 15:1)

(Winches--Electric driving) (Electricity on ships)

BOBODZHANOV, B.Ye.; SMYSHLYAYEV, L.M.; PANOV, V.A.

Covering the take-up rollers of looms with all-metal fillet cards.
Tekst.prom. 25 no.2:56-57 F '65. (MIRA 18:4)

1. Nachal'nik remontno-montazhnogo otdela pryadil'nogo proizvodstva No.3 Khersonskogo khlopchatobumazhnogo kombinata (for Bobodzhanov).
2. Starshiye мастера remontno-montazhnogo otdela pryadil'nogo proizvodstva No.3 Khersonskogo khlopchatobumazhnogo kombinata (for Smyshlyayev, Panov).

ACC NR: AP7003094

SOURCE CODE: UR/0237/66/000/007/0043/0047

AUTHOR: Skvortsov, G. Ye.; Panov, V. A.; Zabezinskiy, A. D.; Dolinskiy, I. M.

ORG: none

TITLE: Micro-hardness meter with remote control model PMT-4

SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 7, 1966, 43-47

TOPIC TAGS: hardness, laboratory instrument

ABSTRACT: A description of a device with remote control for measurement of micro-hardness of sections subjected to gamma rays. In the device, the loading of the indenter and all operations necessary for production of imprints with the diamond pyramid into the materials being tested are performed automatically with high accuracy. In addition to the authors, Engineers G. S. Zakharov, Ye. S. Kuleshova, B. I. Tikhomirov took part in the building of the PMT-4 device. Orig. art. has: 2 figures. [JPRS: 38,228]

SUB CODE: 14 / SUBM DATE: 22Mar65 / ORIG REF: 002

Card 1/1

UDC: 539.533

0925

3045

KHOMYAKOV, N.M.; PANOF, V.A.

Selecting the capacity of a marine electric power plant taking
into consideration the effect of the cargo handling equipment.
Sudostroenie no. 7:47-50 1965. (MIRA 18:8)

U

ALEKSEYEV, F.K.; ANDRIYUTS, G.L.; ARSENT'YEV, A.I.; ASTAF'YEV, Yu.P.;
BEVZ, N.D.; BEREZOVSKIY, A.I.; GENERALOV, G.S.;
DOROSHENKO, V.I.; YESHCHENKO, A.A.; ZAPARA, S.A.; KALINICHENKO, V.F.;
KARNAUSHENKO, I.K.; KIKOVKA, Ye.I.; KOBOZEV, V.N.; KUPIN, V.Ye.;
LOTOUS, V.K.; LYAKHOV, N.I.; MALYUTA, D.I.; METS, Yu.S.; OVODENKO,
B.K.; OKSANICH, I.F.; PANOY, V.A.; POVZNER, Z.B.; PODORVANOV, A.Z.;
POLISHCHUK, A.K.; POLYAKOV, V.G.; POTAPOV, A.I.; SAVITSKIY, I.I.;
SERBIN, V.I.; SERGEYEV, N.N.; SOVLTOV, G.A.; STATKEVICH, A.A.;
TERESHCHENKO, A.A.; TITOV, O.S.; FEDIN, A.F.; KHOMYAKOV, N.P.;
SHEYKO, V.G.; SHEKUN, O.G.; SESTAKOV, M.M.; SHTAN'KO, V.I.

Practice of construction and exploitation of open pits of Krivoy
Rog Basin mining and ore dressing combines. Gor. zhur. no.6:
8-56 Je '63. (MIRA 16:7)

(Krivoy Rog Basin—Strip mining)

ZAPARA, S.A., kand.tekhn.nauk; PANOV, V.A., inzh.; KHRAPACH, V.G., inzh.

Truck transportation in building Krivoy Rog Basin pits. Shakht.
stoi. 7 no.7:11-13 31 '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy gornorudnyy institut.

YEVREINOV, I.V., kand.tekhn.nauk, rukovoditel' raboty; ALFEROVA, N.V.,
kand.tekhn.nauk; GOL'DENFON, A.K., kand.tekhn.nauk; ZINCHENKO, V.I.,
kand.tekhn.nauk; KORCHAGIN, M.I., kand.tekhn.nauk; PANOV, V.A.,
kand.tekhn.nauk; URBANOVICH, A.K., kand.tekhn.nauk; FOMENKO, Yu.I.,
kand.tekhn.nauk; YAKOVSKIY, F.V., kand.tekhn.nauk; LISIN, V.N., inzh.;
LYUTOV, I.L., inzh.; NEYELOV, A.N., inzh.; STRUMPE, P.I., kand.tekhn.
nauk, otv.red.; DRANITSYN, S.N., kand.tekhn.nauk, zam.otv.red.;
GOROBETS, V.A., kand.voyen.-morskikh nauk, red.; MAKSIMADZHI, A.I.,
kand.tekhn.nauk, red.; ROZHDESTVENSKIY, N.A., kand.tekhn.nauk, red.;
SYROMYATNIKOV, V.F., kand.tekhn.nauk, red.; LEBEDEVA, N.S., red.;
STUL'CHIKOVA, N.P., tekhn.red.

[Methods of testing the thermodynamic efficiency of marine diesel
engine power plants] Metodika teplotekhnicheskikh ispytaniy
dizel'nykh sudovykh ustanovok. Leningrad, 1962. 165 p. (Leningrad.
TSentral'nyi nauchno-issledovatel'skii institut morskogo flota.
Informatsionnyi sbornik, no.83/84. Tekhnicheskaya ekspluatatsiya,
no.18/19). (MIRA 16:10)

1. Nachal'nik otdela tekhnicheskoy ekspluatatsii sudovykh silovykh
ustanovok TSentral'nogo nauchno-issledovatel'skogo instituta morskogo
flota (for Yevreinov). 2. TSentral'nyy nauchno-issledovatel'skiy
institut morskogo flota (Alferova, Gol'denfon, Zinchenko, Korchagin,
Panov, Urbanovich, Fomenko, Yakovskiy, Lisin, Lyutov, Neyelov).

PANOV, V.A.; GORULEVA, V.P.; MORCZOV, B.I.; RAYEVSKIY, V.G.;
VOYUTSKIY, S.S.

Increasing the bonding strength of rubber and fabric by
means of correcting the vulcanizing group. Kauch.i rez.
21 no.11:4-6 N '62. (MIRA 15:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii
imeni Lomonosova.

(Rubberized fabrics)

SKORYKH, S.S.; PANOV, V.A.; PODORVANOV, A.Z.; GONCHAR, V.G.; KUL'IDA, V.M.

Ways of improving transportation in an open pit of the Krivoy Rog
Southern Mining and Ore-dressing Combine. Sbor. nauch. trud.
NIGRI no.7:52-59 '60. (MIRA 14:12)
(Krivoy Rog Basin—Mine railroads)

L 02316-67

ACC NR:

AR6016573

(N)

SOURCE CODE: UR/0196/65/000/012/L023/L023

AUTHOR: Panov, V. A.; Bystroletov, Ye. G.

TITLE: Investigation of electric equipment on diesel ships of the "Poltava" type

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 12L158

REF SOURCE: Inform. sb. Tsentr. n.-i. in-t morsk. flota, vyp. 131, 1965, 3-20

TOPIC TAGS: marine engineering, diesel engine, electric power plant

ABSTRACT: The main power plant on the "Poltava" diesel ship is equipped with a six-cylinder 8300 hp 115 rpm internal combustion engine made by the "Burmeyster and Vayn" company. The 155.73 m vessel has a beam of 20.6 m, a speed of 16 knots and displaces 18,400 tons. Electric power for the vessel is supplied by a three-diesel generator with a 300 hp diesel at 500 rpm and a 275 kva 400 v MS 275-500 generator. The generators are equipped with an automatic voltage control system and are put into parallel operation by the precision synchronization method. The characteristics of the principal mechanisms and systems in the ship are given with experimental data on the degree of loading. Loading of the electrical system under all conditions is given. The load on the electrical system is 240-270 kw per day under sailing conditions in the tropics, 180-220 kw per day during sailing in the temperate zone, 125 kw at anchor without loading operations and without air-conditioning, 155 kw under

Card 1/2

UDC: 629.12.066(041.1)

L 02316-67

ACC NR: AR6016573

the same conditions with air-conditioning, 170-180 kw during loading, and an average of 280 kw during docking operations. Tests under normal operating conditions showed that electrical equipment made basically for 380 and 127 vac satisfies present technical requirements and that the complex and bulky UEKM automatic voltage regulation system does not assure proper power distribution between generators. Two diesel generators with a power of 300 kw apiece and one 200 kw generator must be used in vessels of the "Poltava" type since the load on the electric power system under way is 180-220 kw in the temperate zone and 240-270 kw in the tropics. Consequently two diesel generators with a power of 200 kw apiece must operate under sailing conditions at a load of 40-60% which means unstable generator operation and constant duty for electricians which cannot be allowed on modern ships. Electric equipment for cranes operates quite reliably on the whole. 4 illustrations, 3 tables. A. Vasil'yev. [Translation of abstract]

SUB CODE: 13/21,

Card

2/2 *hh*

PANOV, V. A. Cand Tech Sci — (diss) "Investigation and Calculations of the Mirror-Lens Achromatic Objectives of a Microscope with a Flat Surface Image and Decreased Central Screening of the Pupil," Leningrad, 1960, 24 pp, 250 copies (Leningrad Institute of Precision Mechanics and Optics) (KL, 47/60, 103)

PANOV, V.A., kand. tekhn. nauk

Electrical equipment of ships of the "Andizhan" type. Inform.
sbor. TSNIIMF no.81: Tekh. ekspl. mor. flota no.17:3-17 '62.
(MIRA 16:6)

(Electricity on ships)

PANOV, V. A. Cand Tech Sci -- (diss) "Investigation and method
of calculating the strength naval electric power stations," Leningrad,
1960, 20 pp, 200 cop. (Leningrad Electrotechnical Institute im V. I.
Ul'yancov (Lenin)) (KL, 44-60, 131)

PAHOV, V.A., inzh.

Calculating the capacity of electric plants on ships.
Sudostroenie 25 no.12:31-37 D '59. (MIRA 13:4)
(Electricity on ships)

PANOV, V.A.; SKORYKH, S.S.; PODORVANOV, A.Z.

State of face tracks and basic trends towards their improvement
in ~~a~~ pit of the Krivoy Rog Southern Mining and Ore-dressing Combine.
Sbor. nauch. trud. NIGRI no.7:47-51 '60. (MIRA 14:12)
(Krivoy Rog Basin--Mine railroads--Track)

PANOV, Vladimir Akimovich; GERMAN, V.Ye., red.; SHEKTOROVA, Ye.I.,
tekh.red.

[With Czechoslovak and Rumanian hunters] V gostiakh u chesko-
slovetskikh i rumynskikh okhotnikov. Moskva, Gos.izd-vo "Fiz-
kul'tura i sport," 1960. 63 p. (MIRA 14:2)
(Czechoslovakia--Hunting) (Rumania--Hunting)

PANOV, Vladimir Anatol'evich, 1890-

Francois Joseph Talma (1763-1826) Moskva, "Iskusstvo," 1939. 153 p. (44-26942)

PN2638.T3P3

PANOV, Vladislav Aleksandrovich; YAKOVLEV, G.S., ratsenent;
~~KHOPPAKOV~~, N.M., nauchn. red.; ROZENGAUZ, N.M., red.

[Marine electric power plants and the calculation of
their capacity] Sudovye elektrostantsii i raschet ikh
moshchnosti. Leningrad, Sudostroenie, 1965. 129 p.
(NIRA 18:4)

Country : BULGARIA

Category: Cultivated Plants. Fruits. Berries.

Abstr Jour: RZhBiol., No 22, 1958, No 100430

Author : Popov, Emil; Boykov, Dimit'r; Panov, Vasil

Inst : -

Title : The State and the Possibilities of the Development
of Horticulture in Bulgaria.

Orig Pub: Selskostop. mis"l, 1957, 2, No 6, 321-331

Abstract: In 1896, regardless of favorable natural conditions, orchards occupied about 4842 hectares; in 1929, the orchard area enlarged to 18644 hectares, among them 63.9% of the area under plums, 34.6% under mixed orchards (plum, sweet cherry, cherry, apple, pear, nuts, apri-

Card : 1/2

Country : BULGARIA
Category: Cultivated plants. Fruits. Berries.

M

Abs Jour: RZhBiol., No 22, 1958, No 100430

cots, peach, quince), 1.36% under apple trees and 0.2% under pear trees. In 1944 the area increased to 55511 hectares, along with which the area under plums decreased (to 34%) and the area under apple trees increased (to 33%). In 1956 - to 11470 [?sic] hectares along with an enlargement of the areas under apricot, cherry, sweet cherry, peach, raspberry and wild strawberry. Shortcomings in the management of orchard cultivation are being discovered and measures for its improvement are being planned. -- K.M. Lyutikov

Card : 2/2

M-146

GOR'KOV, M.P., dotsent; PANOV, V.B., student

Radical operations on lungs in calves. Veterinariia 41
no.6:81-82 Je '64. (MIRA 18:6)

1. Omskiy veterinarnyy institut.

ACCESSION NR: AR4023358

s/0284/64/000/002/0028/0029

SOURCE: RZh. Voprosy* tekhnicheskogo progressa i organizatsii proizvodstva v
machinostroyenii, Abs. 2.35.168

AUTHOR: Panov, V. D.; Simonov, P. V., Vul'fovich, E. A.

TITLE: A system for coding the blueprint data of parts in machine building which
are solids of revolution

CITED SOURCE: Tr. Proyekt. tekhnol. i n.-i. in-ta. Volgo-Vyatsk. sovnarkhoz,
vy*p. 2, 1963, 11-28

TOPIC TAGS: coding blueprint data. machine part coding, axially symmetric part,
technological process automation, computer-controlled machine tools

TRANSLATION: In the automatic planning of technological processes, the memory
(M) of the electronic computer (EC) receives in digital code information about
the geometry and dimensions of each part together with the characteristics of its
workpiece and other necessary data. By means of coding one prepares the
algorithms and programs for the EC. The proposed coding system was developed

Card 1/3

ACCESSION NR: AR4023358

after an analysis of parts drawings prepared by the leading machine-building plants in Gor'kiy. To prevent inefficient use of the M, the authors established maximum parameters for certain initial data (particularly for the sizes of the workpieces and parts). Such limitations permitted the coding of drawings of gears, flanges, bushings, smooth and slitted axes, and shafts whose outer diameters and lengths do not exceed 4,000 mm, and which have no more than 15 outer and 7 inner surfaces. Only a few parts fail to meet these requirements. The coding system covers three groups of information. The first group contains information about the individual cylindrical and annular outer and inner surfaces, about the diameters and other linear dimensions, and about the accuracy and smoothness of the processed surfaces. The second group consists of information concerning the characteristics of individual surfaces or of such groups as, e.g., teeth, slits, key and other slots, grooves, threads, openings along directions other than the basic axis of the part, etc. This group include also information concerning the relative positions of various surfaces, their thermal treatment, etc. The third group includes information about the characteristics of the entire part, the changes in its mechanical properties, or external

Card 2/3

ACCESSION NR: AR4023358

appearance. A coded card is prepared for each part; it contains complete information about the part and its workpiece. All data from this card are transferred to punch cards or punched tape which is then fed into the M of the EC. The order of compiling the algorithm is given. There are 12 figures and 5 tables. N. Prikhod'ko.

DATE ACQ: 06Mar64

SUB CODE: IE, ML

ENCL: 00

Card 3/3

PANOV, V.S.; SIMONOV, P.V.; VUKOVICH, F.A.

Coding system for the drawings of machine parts shaped as
bodies of revolution. Trudy Voen. tekhn. i nauch.-issl. inst.
no.2211-28 '63 (MIRA 1963)

SELIVERSTOV, M.E., kand.sel'skokhoz.nauk; GUBAR', N.S., glavnyy red.;
KRIVONOSOV, I.M., red.; PANOV, V.K., red.; ROZIN, V.A., red.;
SNIGIREVA, A.V., red.

[Basic instructions on the improvement of shrubby mineral soils
in the northwestern zone] Osnovnye ukazaniia po osvoeniiu
zakustarennykh mineral'nykh zemel' v Severo-Zapadnoi zone. Lenin-
grad, M-vo sel'.khoz. RSFSR, 1959. 17 p. (MIRA 13:6)

1. Leningrad. Severnyy nauchno-issledovatel'skiy institut gidro-
tekhniki i melioratsii.
(Russia, Northwestern--Alkali soils)

OMAROV, T.B.; PANOVA, G.V.; SYSHCHENKO, T.Ye.; FIRAGO, B.A.; SHCHEGOLEV,
D.Ye.; LIYGANT, M.; SAVRUKHIN, A.P.

Results of photographic observations of artificial satellites.
Biul.sta.opt.nabl.isk.sput.Zem. no.10:17-24 '59.
(MIRA 13:3)

1. Astrofizicheskiy institut AN KazSSR (for Omarov). 2. Glavnaya
astronomicheskaya (Pulkovskaya) observatoriya AN SSSR (for Panova,
Syshchenko, Firago, Shchegolev). 3. Nachal'nik stantsii nablyudeni-
ya iskusstvennykh sputnikov Zemli, Institut fiziki i geofiziki AN
Tadzhiskoy SSR (for Savruchin). 4. Nachal'nik stantsii Tartusskogo
gosudarstvennogo universiteta (for Liygant).
(Artificial satellites--Tracking)

YATSIMIRSKIY, K. B., PANOVA, V. E.

Copper

Some ternary complex compounds of copper and of silver. Zhur. ob. khim., 22, No. 8, 1952

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

AUTHOR: Panov, V.G., Learned Secretary SOV/3-58-12-41/43

TITLE: Scientific Journals of the Higher School (Nauchnyye zhurnaly vysshey shkoly) Jurisprudence ("Pravovedeniye")

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 12, pp 94-95 (USSR)

ABSTRACT: The author gives a review of the journal "Pravovedeniye" ("The Science of Law") published within the series of "Izvestiya vysshikh uchebnykh zavedeniy". The responsible editor of "Pravovedeniye" is Professor M.D. Shargorodskiy and the three numbers so far published reflect theoretical and practical problems with which the scientific-pedagogical workers in the field of law are engaged.

ASSOCIATION: Sektsiya prava Nauchno-tekhnicheskogo soveta Ministerstva vysshego obrazovaniya SSSR (Section of Law of the Scientific-Technical Council of the USSR Ministry of Higher Education)

Card 1/1

PANOV, V. I.

Dissertation: Quantitative Principles of the Kinetics of the Process of Carbonization of Ammonium Salt Solutions (To the Beginning of the Crystallization of Sodium Bicarbonate).² Cand Tech Sci, Khar'kov Polytechnic Inst, Khar'kov, 1954. (Referativnyy Zhurnal--Khimiya, Moscow, No 9, May 54)

SO: SUM 318, 23 Dec 1954

AUTHOR: Panov, V. I.

SOV/32-24-10-48/70

TITLE: ~~A Rer Test~~ Sedimentometer (Usovershenstvovanny sedimentometr)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10, pp 1277-1278 (USSR)

ABSTRACT: In the apparatus suggested the weight of the deposited particles is determined by measuring the volume of the air displaced into a side tube of the apparatus by the suspension. The amount of the deposited particles is proportional to the volume of the displaced air. In this way the measuring accuracy can be considerably increased as compared to the measurements of sedimentometers based on a change of the hydrostatic pressure of the suspension. A schematic representation of the apparatus is given. The sedimentation curve is plotted in the coordination time - level of the air-filled part of the gas burette. The height of the suspension column in the side tube is determined by a manometer. The further elaboration of the measuring results is carried out according to the usual method (Ref 1). Integral curves of the dimensional distribution in samples of sodium bicarbonate taken from different barrels of the carbonization column of a soda factory are given as an illustration of the operation of the sedimentometer described. A mixture of alcohol and glycerin

Card 1/2

SOV/32-24-10-48/70

A ~~reduced~~ Sedimentometer

with a viscosity of 15,6 poise is used as a dispersion medium. The difference of the specific weights of the sodium bicarbonate and the dispersion medium amounted to 1,40 g/ml, the height (level) of the liquid column in the side tube was - 73 cm. There are 2 figures and 1 reference, which is Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy institut osnovnoy khimii (Scientific Research Institute of Basic Chemistry)

Card 2/2

Панов, В.И.

PANOV, V.I., inzh.

Condenser with corrosion-resistant tubes. Energetik 5 no.12:12-13
D '57. (MIRA 10:12)

(Turbines)

PANOV, V. I.

PANOV, V. I.: "The plastic properties of the circulating arterial stream in the cervical region (experimental-morphological investigation on rabbits)." L'vov State Medical Inst. L'vov, 1956 (Dissertation for the Degree of Candidate in Medical Sciences)

So: Knizhnaya letopis' no 17, 1956

PANOV, V.I., aspirant

Characteristics of the operation and ways to improve ground transportation in Antarctic regions. Izv. ys.ucheb.zav.: mashinost. 1964. 121-131 '64. (MIRA 1964)

1. Gor'kovskiy politekhnicheskoy institut.

USSR/General Problems of Pathology - Tumors

U-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 32661

Author : Prnov V.I.

Inst : Not Given

Title : Angioarchitectonics of the Stomach During an Ulcer, Ulcerated Cancer, and Cancer Which Appears from an Ulcer.

Orig Pub : Khirurgiya, 1956, No 6, 16-18.

Abstract : The arterial and (partly, in some cases) the venal network was filled with a modified contrast mass of Zolotukhin. During an ulcer of the stomach, arteries and veins show well roentgenographically; within the affliction, they possess a radial position. In the area encircling the ulcer, the calibre of the arteries drops; they go in the direction of the bottom of the ulcer where their number is not high. The veins repeat the course of the arteries. In cases of ulcerated stomach cancer, a thick network lies in the area of the tumor margin, basically of straightline fine vessels, which also have interlacings between them. Normal tortuosity is absent. Clearly

Cerd : 1/2

Panov, V.I.

LYUBOMUDROV, A.P. (L'vov, ul. Fizkul'turnaya, d. 24), PAL'CHEVSKIY, Ye.I.

PANOV, V.I., PLASTUNOV, M.B., PRAYFEL'D, E.L.

Angioarchitectonics of the kidney following disease and its clinical significance. Nov.khir.arkh. no.2:3-8 Mr-Apr '58 (MIRA 11:6)

1. Kafedra anatomii (zav. - prof. A.P. Lyubomudrov), kafedra patologicheskoy anatomii (zav. prof. Ye.I. Pal'chevskiy) i klinika urologii (zav. - dots. M.B. Plastunov) L'vovskogo meditsinskogo instituta.
(KIDNEYS--BLOOD SUPPLY)

ORLII, V.A.; PANOV, V.I.; FRAYFEL'D, E.L.

Clinical aspects and angioarchitectonics of gastric lipoma; abstract.
Khirurgiya 34 no.12:97 D '58. (MIRA 12:1)

1. Iz kafedry gosspital'noy khirurgii (zav. - prof. L.N. Kuzmenko) kafedry
normal'noy anatomii (zav. - prof. A.P. Lyubomudrov) i kafedry patolo-
gicheskoy anatomii (zav. - prof. Ye. I. Pal'chevskiy) L'vovskogo medit-
sinskogo instituta.

(STOMACH--TUMORS)

NIKOLAYEV, A.F., kand. tekhn. nauk; FEDIN, I.V., inzh.; PANOV, V.I.
inzh.; POL', L.R., inzh.

DFM-GP1-1 and DFM-GP1-2 machines for frozen ground. Stroil i dor.
mash. 8 no.12r5-6 D'63 (MIRA 17:7)

PANOV, V.I.

Effect of snow dampness on its properties and on the adhesion
of tractors with snowy surfaces. Avt. prom. 29 no.11:32-33
N '63. (MIRA 16:12)

1. Gor'kovskiy politekhnicheskii institut.

LYUBOMUDROV, A.P.; PANOV, V.I.; FRAYFEL'D, E.L.; YAMPOL'SKAYA, S.A.

X-ray picture of the architectonics of heart arteries in coronary atherosclerosis and myocardial infarctions. Nauch.trudy L'vov. obl.terap.ob-va no.1:136-142 '61. (MIRA 16:5)

1. Kafedra normal'noy anatomii L'vovskogo meditsinskogo instituta (zav. kafedroy -- prof. A.P. Lyubomudrov) i kafedra patologicheskoy anatomii (zav. kafedroy -- prof. Ye.I. Pal'chevskiy).
(ANGIOCARDIOGRAPHY) (CORONARY HEART DISEASE
(HEART--INFARCTION)

PANOV, V.I.; FRAYFEL'D, E.L.

Angioarchitectonics of diffuse forms of cancer of the pyloric
section of the stomach. Vop.onk. 7 no.8:12-15 '61. (MIRA 15:1)

1. Iz kafedry normal'noy anatomii (zav. - prof. A.P. Lyubomirov)
L'vovskogo meditsinskogo instituta.
(PYLOHUS—CANCER)

PANOV, V.I.; MITKEVICH, N.D.; RYUTYUNNIKOVA, T.I.; YEREMEYEV, V.S.

Effect of the conditions of mass crystallization process on the
quality of ammonium chloride suspensions and crystals. Zhur.prikl.
khim. 35 no.4:705-717 Ap '62. (MIRA 15:4)
(Ammonium chloride) (Crystallization)

PANOV, V., gvardii podpolkovnik

Exhibit of efficiency proposals of soldiers. Tyl i snab.Sov.Voor.
Sil 21 no.1:76-77 Ja '61. (MIRA 14:6)
(Baku--Military art and science--Exhibitions)

PANOV, V.I.; FRAYFEL'D, Ye.I.

Angiostructure of the stomach in glandular cancer and in certain
benign tumors; roentgeno-anatomical investigations. Vop.onk. 6
no.2:30-33 F '60. (MIRA 14:2)

(STOMACH--TUMORS)

KACHOROVSKIY, B.V. (L'vov, ul. Chaykovskogo, d.16, kv.4); PANOV, V.I.;
FRAYFEL'D, B.L.

Chronic ileitis. Vest.khir. 83 no.12:90-93 D '59. (MIRA 13:5)

1. Iz kliniki obshchey khirurgii (zav. - prof. G.P. Kovtunovich)
i kafedry normal'noy anatomii (zav. - prof. A.P. Lyubomudrov)
L'vovskogo meditsinskogo instituta.
(ILEITIS REGIONAL)

ZELIKIN, M.B.; MITKEVICH, E.M.; NENNO, B.S.; OVECHKIN, Ye.K.; PANOV, V.I.;
RYDNIK, V.L.; TABUNSECHIKOV, B.P.; RATMANSKIY, M.S., red.; ZAZUL'-
SKAYA, V.F., tekhn.red.

[Production of soda ash] Proizvodstvo kal'tainirovannoi sody.
Pod red. M.B.Zelikina. Moskva, Gos.nauchno-tekhn.izd-vo khim.
lit-ry, 1959. 421 p. (MIRA 13:5)
(Sodium carbonate)

PANOV, V.I.; PLASTUNOV, M.B.; FRAYFEL'D, E.L.

Vascular structure of the testis in tuberculosis. Urologia 24
no.5:24-26 S-O '59. (MIRA 12:12)

1. Iz kafedry anatomii (zav. - prof. A.P. Lyubomudrov) i urologicheskoy
kliniki (zav. - dots. M.B. Plastunov) L'vovskogo meditsinskogo instituta.
(TUBERCULOSIS MALE GENITAL pathol.)

L 30104-65 EWT(d)/ENP(1) Pq-4/Pq-4/Pq-4/Pk-4/Pk-4 LIP(c) GS/BC

ACCESSION NR: AT5004122

S/0000/64/000/000/0255/0264

52
341

AUTHOR: Panov, V. I.

TITLE: Suppression of auto-oscillations in nonlinear combined systems

SOURCE: Vsesoyuznoye soveshchaniye po teorii invariantnosti i yeye primeneniyu v avtomaticheskikh sistemakh. 2d, Kiev, 1962. Teoriya invariantnosti v sistemakh avtomaticheskogo upravleniya (Theory of invariance in automatic control systems); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1964, 255-264

TOPIC TAGS: control system stability, linear differential equation, nonlinear differential equation, cybernetics, digital computer, linear automatic control, control system autooscillation, invariance theory

ABSTRACT: The suppression of auto-oscillations in nonlinear combined systems is investigated. An approximation method is proposed for estimating the effect of con-

control circuit on the stability of the NCS, taking into account

Card 1/2

L 30104-65

ACCESSION NR: AT5004122

linear characteristic of the closed circuit. This article investigates single-circuit, nonlinear systems and those reduced to them, with one nonlinear link. Using the approximation method for determining the effect of connections with respect to perturbation on the stability of the NCS, the author concludes that the parameters of connections can be selected from the conditions of stability. The stability of NCS under different variants of including a connection with respect to perturbation.

ASSOCIATION: None

SUBMITTED: 24Sep64

ENCL: 00

SUB CODE: IE, DP

NO REF SOV: 009

OTHER: 000

Card 1/2

5(1),28(1)

AUTHORS:

Panov, V. I., Candidate of Technical Sciences, Tyutyunnikov, A. B., Candidate of Technical Sciences

06225

SOV/64-59-6-17/28

TITLE:

Technological Bases of an Automatic Control of Precipitating Columns in the Carbonization Department of a Soda Works

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 6, pp 521 - 526 (USSR)

ABSTRACT:

One of the principal tasks of the complex automation of the carbonizing department is the increase in the degree of utilization of sodium. The determinant characteristics of the carbonizing process are as follows: the total ammonia- and chlorine contents, the evolution of the degree of carbonization of the system, and the temperature of the solution. The state U_{Na} of the system sodium bicarbonate precipitation -

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239110002-2"

carbonized ammonia - hydrochloric acid solution can be represented by means of these variables (within narrow limits of variation) in a linear equation (1), i. e., U_{Na} can be

influenced by a change in the temperature and degree of carbonization of the bicarbonate suspension leaving the column.

Card 1/3

Technological Bases of an Automatic Control of
Precipitating Columns in the Carbonization Department of a Soda Works

06225

SOV/64-59-6-17/28

It was found (Ref 4) that the clearly determining parameter of the degree of carbonization of the suspension may be considered to be the pH of the mother liquor of the suspension. The relationships between the pH, degree of carbonization, value U_{Na} , and working conditions were investigated in the case of a column (Fig); the changes made as well as the parameters of the operation of the column are given (Table 1). When evaluating the results obtained it was assumed that there exists a linear dependence of the U_{Na} and pH values on the variables to be determined, and the corresponding equations (2) - (5) were derived. The data obtained were evaluated by means of the method of multiple correlations, where the probability of the influence of the individual variables on the values to be determined was estimated by means of t-criteria (Table 2, values, standard errors, t-criteria of the coefficients affecting equations (2)-(5)). It was found that in the case of a constant CO_2 concentration in the intake pipe at the bottom of the column and a constant temperature of the flowing-off suspension the control of the removal of

Card 2/3

Technological Bases of an Automatic Control of
Precipitating Columns in the Carbonization Department of a Soda Works

06225

SOV/64-59-6-17/28

the bicarbonate suspension (according to the pH of the mother liquor) also acts as control of the ratio between the amounts of CO_2 and NH_3 (carried into the column with the gas and liquid, respectively). There are 1 figure, 2 tables, and 9 Soviet references.

Card 3/3

USSR/Human and Animal Morphology - Normal and Pathological.
Circulatory System. Blood Vessels.

Abs Jour : Ref Zhur Biol., No 23, 1958, 105951
Author : Lyubomudrov, A.P., Panov, V.I., Fraydel'd, E.L.
Inst : Lvov Oblast Scientific Association of Anatomists,
Histologists and Embryologists.
Title : Roentgenological Data on Blood Vessels of the Hydroneph-
rotic Kidney
Orig Pub : Sb. nauchn. rabot. L'vovsk. obl. nauchn. o-va anatomov,
gistol. i embriol., 1958, vyp. I, 9-11
Abstract : The left ureter was ligated in 22 rabbits. After 5 to
514 days the blood vessels of the kidney (K) were stu-
died by the method of supravital injection (through the
abdominal aorta) of contrast medium, and by x-ray exami-
nation. The changes of the vessels depend on the

Card 1/2

- 14 -

USSR/Human and Animal Morphology - Normal and Pathological.
Circulatory System. Blood Vessels.

S

APPROVED FOR RELEASE: 06/15/2000, 1958, 105951
CIA-RDP86-00513R001239110002-2"

duration of the experiment. Two to two and a half
months after the ligation of the ureter the interlobar
arteries (IA) are elongated most because of the maximal
enlargement of the hydronephrotic K in this period. The
direction of the IA and the arcuate arteries was
straight, which contradicts the point of view of tortu-
sity of the latter in hydronephrosis (H). The lessening
of the caliber of the IA and also the thinning of the
cortical substance of the kidney was observed. Its thick-
ness after two weeks was 1.5 mm (as against 3 mm in the
normal) and after 6-12 months, 0.2-0.8 mm; the thinning
was irregular. The general vascular pattern of the K
in the roentgenological visualization corresponds to
the experimental H and H in man.

Card 2/2

panov, V.I.

USSR / Human and Animal Morphology (Normal and Pathological). S
Cardiovascular System.

Abs Jour : Ref Zhur - Biol., No 21, 1958, No 97096

Author : Panov, V.I.; Prayfel'd, Ye. L.

Inst : Lvov Oblast Scientific Society of Anatomists, Histologists
and Embryologists

Title : Blood Supply of the Vermiform Process in Conditions of
Collateral Blood Circulation.

Orig Pub : Sb. nauchn. rabot L'vovsk. obl. nauchn. o-vo anatomov,
gistol. i embriol., 1958, vyp.1, 31-36

Abstract : It was shown in experiments on 25 rabbits that exclusion
of the appendicular artery (AA) only, or together with
several of its lateral branches which run to the vermiform
process (VP), does not lead to the death of the VP. Blood
supply of VP is then realized by collateral paths, which
connect AA with the intestinal artery through the intramural
vessels of the segment of the ileum adjoining VP. Exclusion

Card 1/2

USSR / Human and Animal Morphology (Normal and Pathological). S
Cardiovascular System.

Abs Jour : Ref Zhur - Biol., No 21, 1958, No 97096

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239110002-2"

of AA and all of its lateral branches which run to VP
or all of its branches which run to the segment of the
ileum adjoining the VP, leads to gangrene of VP. This
proves that the intramural vessels of the cecum cannot
assure restoration of the blood supply of VP.

Card 2/2

PANDU, V.I.

GUSEV, Sergey Osipovich; STREL'TSOV, Mikhail Mikhailovich; KHVOSTOV, Yevgeniy Andreyevich; SHAPOVALENKO, Mariya Mikhailovna; ~~PA~~NOV, V.I., inzhener, redaktor; VERINA, G.P., tekhnicheskii redaktor.

[Rolling stock for the transportation of perishable goods] Podvishnoi sostav dlia perevozki skoroprotishchikhsia gruzov.
Moskva, Gos. transportnoe shelesnodorozhnoe izd-vo, 1954. 139 p.
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