PATYCHENKO, V.S., inzh.; GOL'DENFARB, I.N., inzh.; ITSKOVICH, V.Ya., inzh.

Concerning the collection "Atlas of boiler units" under the general editorship of A.P.Kovalev. Teploenergetika 7 no.3: 95 Mr '60. (MIRA 13:5)

(Boilers)
(Kovalev, A.P.)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620014-7"

PATYCHENKO, V.S., inzh.; GOL'DENFARB, I.N., inzh.; OSTROVSKIY, L.A., inzh.

New high-power steam boiler for supercritical steam parameters.
Energomashinostroenie 6 no.8:1-11 Ag '60. (MIRA 14:9)
(Steam boilers)

BURKSER, E.S. [Burkser, IE.S.]; ALEKSEYEVA, Ye.N. [Alekseieva, K.M.]; VETSHTEYN, V.Ye.; GOL'DENFEL'D, I.V.; DAVYDYUK, L.A. [Davydyuk, L.O.]; DEMIDENKO, S.G. [Demydenko, S.H.]; YELISEYEVA, G.D. [IEliseieva, H.D.]; LECHEKHLEB, V.R. [Lechekhlib, V.R.]; SHCHERBAK, M.P.

Accurate determination of the absolute age of rocks by the lead method. Geol.zhur. 21 no.5:48-57 '61. (MIRA 14:10)

1. Institut geologicheskikh nauk AN USSR.
(Geological time) (Mineralogy)

GOL'DENFEL'D, I.V.; KOROSTYSHEVSKIY, I.Z.

Device for calibrating the sensitivities of ion-current measurement channels of a double-beam mass spectrometer. Prib. i tekh.eksp. 6 no.6:83-85 N-D '61. (MIRA 14:11)

1. Institut fizicheskoy khimii AN USSR.
(Mass spectrometry--Equipment and supplies)

BRODSKIY, A.I.; GOL'DENFEL'D, I.V.

Verifying the accuracy of age determination by the lead-isotope methods. Biul.Kom.po opr.abs.vozr.geol.form. no.4:98-108 '61. (MIRA 15:1)

(Geological time)
(Lead-isotopes)

BRODSKIY, A.I.; GOL'DENFEL'D, I.V.; GRAGEROV, I.P.

Isotopic analysis of oxygen in water by the persulfate method. Zhur.anal.khim. 17 no.7:893-895 O '62. (MIRA 15:12)

1. Institute of Physical Chemistry, Academy of Sciences, Ukrainian S.S.R.

(Oxygen--Isotopes) (Water--Analysis)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620014-7

L 53973-65 EWT(1)/EPF(c)/EPA(w)-2/T/EWA(m)-2 Pr-4/Pab-10 IJP(c)
ACCESSION NR: AP5010835 UR/0020/65/161/004/0861/0863

AUTHOR: Gol'denfel'd, I. V.; Nazarenko, V. A.; Pokrovskiy, V. A.

TITLE: Mass spectra of water ionized in a strong electrical field

SOURCE: AN SSSR. Doklady, v. 161, no. 4, 1965, 861-863

TOPIC TAGS: water, ionization, electric field, mass spectrum

ABSTRACT: Ionization of water by tungsten, molybdenum, platinum, and gold point discharges and also by a nichrome wire discharger at a potential gradient of the order of 10^7 to 10^8 volts per centimeter was studied. In the case of the tungsten point discharger the mass spectra have strong lines corresponding to ions of 19, 37, 55, and 73 mass equivalent which were assigned to $(H_2O)_nH^+$ ions (where n is 1, 2, 3 and 4). The very weak mass spectral lines corresponding to 17 and 18 mass equivalents were assigned to OH^+ and H_2O^+ ions. The occurrence of lines corresponding to very small mass numbers was attributed to the products of decomposition of water aggregates according to formula

$$(H_2O)_nH^+ \rightarrow (H_2O)_mH^+ + (H_2O)_{n-m}.$$

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These line assignments were confirmed in a separate study on ionization of D_2O. In order to examine the possibility of isotopic analysis, mixtures of light and heavy waters with known contents of deuterium were ionized and mass spectra were taken. In this case the mass spectrum of each type of stable ion should consist of $k+1$ lines (where k is the sum of hydrogen and deuterium atoms in an ion). Distribution of line intensities follows from the formula

$$I_l = \frac{C_k^l}{(1+\Delta)^k}\Delta^l$$

where Δ is the atomic ratio of deuterium to hydrogen in the water blend, and l is the number of deuterium atoms. Number of lines as well as line intensity ratios calculated from this formula agree with the mass spectra taken for a 1:1 mixture of H_2O and D_2O. Formation of "metastable" ions (according to the first formula above) is reflected in the appearance of $j(k-j+2)$ lines instead of one line corresponding to pure H_2O. Distribution of intensities of these lines follows from the formula

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L 53973-65
ACCESSION NR: AP5010835

$$I_{li} = \frac{C_k^l}{(1+\Delta)^k} \Delta^l \frac{C_{k-l}^{j-i} C_l^j}{C_{kj}}$$

where j is the sum of hydrogen and deuterium atoms in a "metastable" ion, i is the number of deuterium atoms in a "metastable" ion, l and k are as above and correspond to the starting "metastable" ion. Similar results were obtained with the molybdenum point discharger and the nichrome wire discharger. In the case of a rare metal point discharger (Pt, Au) the mass spectra show an intensive H_2O^+ line, and the H_2O^+ to H_3O^+ ion ratio depends upon the potential gradient. Orig. art. has: 1 table, 2 figures and 5 formulas.

ASSOCIATION: Institut fizicheskoy khimii im. L. V. Pisarzhevskogo akademii nauk UkrSSR (Institute of Physical Chemistry, Academy of Sciences UkrSSR)

SUBMITTED: 01Oct64 ENCL: 00 SUB CODE: NP

NO REF SOV: 000 OTHER: 003

Card 3/3

ALEKSANKIN, M.P., [illegible]

[illegible] spectrometric method of studying the mechanism of homolytic reactions in a solution. Part 10: Reactions of iodobenzene, 1-iodonaphthalene, p-iodobiphenyl, and benzyl chloride with magnesium. Zhur. org. khim. 1 no.11:1909-1914 N '65. (MIRA 18:12)

1. Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo AN UkrSSR. Submitted December 14, 1964.

GOL'DENFON, A., kand. tekhn. nauk; TARANENKO, R., inzh.

Thermochemical trials of Soviet turbine-driven ships. Mor. flot 25 no.7: 26-28 Jl '65. (MIRA 18:7)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620014-7"

GOL'DENSON, A., kand. tekhn. nauk; STEPANOV, A., kand. tekh. nauk

Methods of preventing and removing the sediment of heavy fuels. Mor. flot. 25 no. 12:[illegible] D '65. (MIRA [illegible])

1. Nachal'nik otdela Tsentral'nogo nauchno-issledovatel'skogo instituta morskogo flota (for Gol'denson). 2. Nachal'nik laboratorii Tsentral'nogo nauchno-issledovatel'skogo instituta morskogo flota (for Stepanov).

BUZNIK, V.M.; YENIN, V.I., dotsent, retsenzent; GOL'DENTON, I.K., kandidat tekhnicheskikh nauk, retsenzent, redaktor; VOL'KHOVER, R.S., tekhnicheskiy redaktor.

[Marine steam boilers] Sudovye parovye kotly. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshlennosti, 1954. 440 p. (MLRA 8:4)
(Steam boilers, Marine)

BABADZHANYAN, Levon Arakelovich; GOL'DENFON, Aleksandr Kel'manovich; BUZNIK, V.M., dotsent, kand.tekhn.nauk, retsenzent; SERDYUKOV, S.A., nauchnyy red.; SHAURAK, Ye.N., red.; KONTOROVICH, A.I., tekhn.red.

[Testing marine steam boilers] Ispytaniia sudovykh parovykh kotlov. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1958. 322 p. (MIRA 12:3)

(Boilers, Marine--Testing)

GOL'DENFON, A.K., kand. tekhn. nauk

Characteristics of the fuel control unit in the fuel combustion system of marine boilers. Inform. sbor. TSNIIMG no.24 Tekh. eksp. mor. flota no.2:46-54 '59. (MIRA 16:10)

GOL'DENFON, A.K., kand.tekhn.nauk

Auxiliary and waste-heat boilers on ships of the "Ugleural'sk" motorship type. Inform.sbor.TSNIIMF no.52. Tekh.ekspl.mor.flota no.5:61-68 '60. (MIRA 15:2)

(Boilers, Marine)

GOL'DENFON, A., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; CHARENKO, R., starshiy inzhener

Establishing norms for boiler cleaning operations on ships. Mor. flot 21 no.5:21 My '61. (MIRA 14:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut morskogo flota (for Gol'denfon).

(Boilers, Marine--Cleaning)

GOL'DENFON, A.K., kand.tekhn.nauk

Auxiliary steam plant on ships of the "Volgoles" type.
Inform. sbor. TSNIIMF no.68. Tekh. ekspl.mor.flota no.11:15-20
'61. (MIRA 15:9)
(Boilers, Marine)

GOL'DENFON, A.K., kand.tekhn.nauk

Results of testing boiler and evaporator plants on "Mikhail Kalinin"-type ships. Inform. sbor. TSNIIMF no.69 Tekh. ekspl. mor. flota no.12:46-56 '61. (MIRA 16:3)
(Boilers, Marine--Testing) (Evaporating appliances)

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 ispytanii dizel'nykh sudovykh ustanovok. Leningrad, 1962. 165 p. (Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik, no.83/84. Tekhnicheskaia ekspluatatsiia, 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).

CIA-RDP86-00513R000515620014-7"

GOL'DFELFON, Aleksandr Kel'manovich; BABADZHANYAN, Levon Arakelovich; LASLOV, V.V., kand. tekhn. nauk, retsenzent; GERLOVIN, L.I., inzh., retsenzent; EYTVID, L.V., nauchnyy red.; OZEROVA, Z.V., red.; TSAL, R.K., tekhn. red.

[Performance and operation of marine boilers] Rabochie protsessy i ekspluatatsiia sudovykh kotlov. Leningrad, Sudpromgiz, 1962. 423 p. (MIRA 15:11)

(Boilers, Marine)

GOL'DENFON, A. K., kand.tekhn.nauk

Characteristic types of breakdown of marine engine boilers and their analysis. Inform.sbor.TSNIIMF no. 87 Tekh.ekspl. mor.flota no. 20:24-42 '62. (MIRA 17:5)

GOL'DENFON, A.K., kand.tekhn.nauk; IVASHCHENKO, N.I., kand.tekhn.nauk

"Heat exchange measurements in marine steam-power plants" by IU.V.Aleksandrovskii, IU.V.Razumov. Reviewed by A.K.Gol'denfon, N.I.Ivashchenko. Sudostroenie 28 no.6:79-80 Je '62. (MIRA 15:6)

(Steam engineering) (Aleksandrovskii, IU.V.)
(Razumov, IU.V.)

LEVIN, B.M., kand. tekhn. nauk; PERSHIKOV, L.F.; GOL'DENFON, A.K., kand. tekhn. nauk; AFANAS'YEV, K.A.; STRUMPE, T.T., kand. tekhn. nauk, otv. red.; SUSHKOVA, T.I., red.; KOTLYAKOVA, O.I., tekhn. red.

[Methods of testing thermodynamic processes in marine steam turbine plants] Metodika teplotekhnicheskikh ispytanii sudovykh paroturbinnykh ustanovok. Leningrad, Izd-vo "Morskoi transport," 1962. 118 p. (MIRA 16:9)

1. Leningrad. TSentral'nyy nauchno-issledovatel'skiy institut morskogo flota.

(Steam turbines, Marine)

GOL'DENFON, A.K. kand.tekhn.nauk

Characteristics of boiler and evaporator units on "Dzhamkoi"-type ships. Inform. sbor. TSNIIMF no.73. Tekh. ekspl. mor. flota no.13:53-62 '62. (MIRA 16:3)

(Marine boilers) (Evaporating appliances)

GOLOVIZN[illegible], A.M., kand.tekhn.nauk; GOL'DENFON, A.K., kand.tekhn.nauk; GRIGOR'YEV, G.T.; KORNYAYEV, Yu.T.; SRABOV, K.Ye.; STRUMPE, P.I., kand.tekhn.nauk, otv.red.; DRANITSYN, S.N., kand.tekhn.nauk,red.; GOROBETS, V.A., kand.voyen.-morskikh nauk, red.; YEVREINOV, I.V., kand.tekhn.nauk; KORCHAGIN, M.I., kand.tekhn.nauk; KURZON, A.G. doktor tekhn.nauk; MIROSHNICHENKO, I P kand.tekhn.nauk; ROZHDESTVENSKIY, N.A., kand.tekhn.nauk; SYROMYATNIKOV, V.F., kand.tekhn.nauk; BAMA, N.G., red.; STUL'CHIKOVA, N., tekhn.red.

[Marine nuclear steam turbine plants.] Sudovye iadernye paroturbinnye ustanovki. Leningrad, Izd-vo "Morskoi transport," 963. 135 p. Leningrad, TSentral'nyi nauchno-issledovatel'skiy institut morskogo flota. Informatsionnyi sbornik, no. 77/78. Tekhnicheskaia ekspluatatsiia morskogo flota, no. 15/16). (MIRA 17:2)

1. Sotrudnik TSentral'nogo nauchno-issledovatel'skogo instituta morskogo flota (for Golovizнin, Gol'denfon, Grigor'yev, Kornyayev, Srabov).

BUZNIK, Viktor Mikhaylovich; YENIN, V.I., kand. tekhn. nauk, retsenzent; BABADZHANYAN, L.A., kand.tekhn. nauk, retsenzent; GOL'DENFON, A.K. kand. tekhn. nauk, nauchn. red.; SHAURAK, Ye.N., red.

[Marine steam boilers] Sudovye parovye kotly. Izd.2., dop. i perer. Leningrad, Sudostroenie, 1964. 383 p.
(MIRA 17:8)

L 05200-67 EWT(m)/EWP(t)/ETI IJP(c) WW/JD/AB

ACC NR: AT6022413 (N) SOURCE CODE: UR/2752/65/000/068/0060/0065

AUTHOR: Gol'denfon, A. K. (Candidate of technical sciences)

ORG: None

TITLE: Change in the salt content of saturated steam in marine boilers under variable conditions

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 68, 1965. Tekhnicheskaya ekspluatatsiya morskogo flota (Technical operation of the merchant marine). 60-65

TOPIC TAGS: marine engineering, steam boiler, desalination

ABSTRACT: Data are given from an experimental study of the salt content in saturated steam in a marine boiler operating under variable conditions. These data are analyzed and conditions are defined under which the accumulation of salts in the steam channel of the installation becomes dangerous. It is shown that the worst conditions for impairment of the quality of saturated steam during maneuvering of a vessel and the associated changes in the load on the boilers take place during transition from motion ahead to motion astern and vice versa due to the sharp momentary reduction in steam pressure followed by a rapid increase. There is practically no impairment in steam

Card 1/2 UDC: 621.181.1.004

L 05406-67

ACC NR: AT6022413

quality with a change in boiler water level by ±60 mm from the average mark or a pressure change of ±2 kg/cm^2 from the nominal value. Sharper changes in these parameters have a considerable effect on the salt content of saturated steam. Variable boiler loads under normal operating conditions with a subcritical salt content in the boiler water do not cause a dangerous accumulation of salts in the steam channel of the marine power installation since these loads are of short duration and take place infrequently. However, variable loads on the boiler result in a sharp increase in the salt content of the saturated steam regardless of low salt concentration in the water and especially when this concentration exceeds the critical value so that variable conditions are not permissible in this case. Under these conditions the load on the boiler should be reduced and blowing should be used to keep down salt deposits in the steam channel. Orig. art. has: 4 figures.

SUB CODE: 13/ SUBM DATE: None

corrosion

Card 2/2

ACC NR: AT7005953 (N) SOURCE CODE: UR/2914/66/000/047/0060/0069

AUTHOR: Gol'denfon, A. K. (Candidate of technical sciences)

ORG: None

TITLE: Analysis of the methods used for preparation and treatment of water in marine steam power plants

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Informatsionnyy sbornik, no. 47(154), 1966. Tekhnicheskaya ekspluatatsiya morskogo flota: Sudovyye parosilovyye ustanovki; Teplokhimicheskiye issledovaniya (Technical operation of the Merchant Marine: Marine steam power plants; Thermochemical studies), 60-69

TOPIC TAGS: marine engineering, water, steam boiler, steam power plant

ABSTRACT: The author considers chemical and reagentless methods presently used for treatment of makeup and boiler water in marine steam power plants. A comparison of methods used for preparation of makeup water shows that alkali phosphate and cation-exchange methods of treatment are complex and increase the concentration of caustic alkali in the boiler water. Fresh-water evaporators which operate under excess pressure give makeup water of acceptable quality but require frequent cleaning and a supply of fresh water on the ship. These disadvantages are eliminated by using low-tem-

Card 1/2 UDC: 621.11:621.12:621.125:621.187.12.001.5

GOL'DENFOYN, I.K., podpolkovnik meditsinskoy sluzhby.

Using an endonasal novocaine block in some diseases. Voen.-med. zhur. no.9:46-47 S '55. (MLRA 9:9)
(HAY FEVER) (NOVOCAINE)

GOL'DENFON, I.K., podpolkovnik meditsinskoy sluzhby

Modified bronchographic methods. Voen.-med. zhur. no.4:77-78 Ap '56. (MLRA 9:9)

(BRONCHI--RADIOGRAPHY)

GOL'DENFON, I.K., podpolkovnik med.sluzhby

Free transplant for the tympanic membrane in the treatment of chronic inflammation of the middle ear. Voen.-med. zhur. no. 2:81 F '61. (MIRA 14:2)

(TYMPANIC MEMBRANE—SURGERY)
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)

GOL'DENFUN, Iosif Semenovich; VOLOVICH, David Yakovlevich; BABER, Isaak Samuilovich; KOMAROVSKIY, M.F., red.; FREGER, D.P., red. izd-va; GVIRTS, V.L., tekhn. red.

[Propane and butane are a substitute for acetylene for cutting metal in construction] Propan-butan - zamenitel' atsetilena dlia rezki metalla v stroitel'stve. Leningrad, 1961. 16 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'naia promyshlennost', no.11) (MIRA 14:7)

(Gas cutting and welding) (Propane) (Butane)

GOL'DENGERSHEL', E. I. Cand Phys-Math Sci -- "Spectrum of Volterra's operator on a semiaxis; exponential growth of solutions of systems of Volterra-type integral equations, and Tauber theorems of the Wiener-Pale type." Khar'kov, 1961 (Min of Higher and Secondary Specialized Education UkrSSR. Khar'kov Order of Labor Red Banner State Univ im A. M. Gor'kiy). (KL, 4-61, 143)

C6304
SOV/140-59-6-5/29

On the Increase of the Solutions of a Class of Systems of Integral Equations of the Type of Volterra

Under restriction to operators W for which K_1, K_2, K_{12} are continuous and satisfy estimations of the type

(6) $\| K_1 \| \leq N e^{\nu(x_1 - y_1)}$

etc., theorem 1 gives necessary and sufficient conditions that

(1') $\varphi - W\varphi = f$

for all $f \in C^n_\alpha(\gamma\mathfrak{L})$ has a solution in $C^n_\alpha(\gamma\mathfrak{L})$. Let γ be the smallest value α for which these conditions are satisfied. Let $\tau = \tau(\alpha)$ be the strong lower limit of those σ for which for a given α it holds:

(11) $(I - W)^{-1} C^n_\sigma(\gamma\mathfrak{L}) \subset C^n_\alpha(\gamma\mathfrak{L})$.

Principal theorem: For $\alpha > \gamma$ it holds $\tau(\alpha) \equiv \alpha$ and here $(I - W)^{-1} C^n_\alpha(\gamma\mathfrak{L}) \subset C^n_\alpha(\gamma\mathfrak{L})$. γ is the strong lower limit of those α

On the Increase of the Solutions of a Class of Systems of Integral Equations of the Type of Volterra

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SOV/140-59-6-5/29

for which this enclosure is valid. For $\alpha \leq \beta$ it holds $\alpha \leq \tau(\alpha) \leq \beta$.
The author mentions M.A.Rutman.
There are 5 references, 3 of which are Soviet, 1 Polish, and 1 French.

ASSOCIATION: Odesskiy pedagogicheskiy institut imeni K.D.Ushinskogo (Odessa Pedagogical Institute imeni K.D.Ushinskiy)

SUBMITTED: June 19, 1958

Card 3/3

16(1)

AUTHOR: Gol'dengershel', E.I.

TITLE: On the Spectrum of the Volterra Operator in Some Banach Spaces (O spektre Vol'terrova operatora v nekotorykh banakhovykh prostranstvakh)

SOV/20-124-6-4/55

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 6, pp 1195-1198 (USSR)

ABSTRACT: Let f be the vector $(f_1,\ldots,f_n)$, $K=(K_{ij})$ a quadratic matrix. In the space $C^n_\alpha(0,\infty)$ of the functions $f(x)$, $(f_1(x),..,f_n(x))$ continuous on $[0,\infty)$ with the norm $\|f\|_\alpha = \sup_{0\leq x<\infty} \|f(x)\| e^{-\alpha x}$ the author considers the Volterra operator $V_0 f = \int_0^x K(x,y)f(y)dy$, whereby $K(x,y)=(K_{ij}(x,y))$ is continuous in $\theta \leq y \leq x < \infty$. Let $R_\lambda(V_0)$ be the resolvent; $\sigma_\alpha(V_0)$ the spectrum of V_0 in $C^n_\alpha(\theta,\infty)$. Theorem: $\sigma_\alpha(V_0)$ is a connected set containing the point $\lambda=0$. With increasing α the family of sets $\sigma_\alpha(V_\theta)$ decreases monotonely. If $\|K(x,y)\| < Ne^{\nu(x-y)}$ then $\bigcap_{-\infty<\alpha<\infty} \sigma_\alpha(V_\theta) = \{0\}$. Theorem:

Card 1/2

On the Spectrum of the Volterra Operator in Some Banach Spaces SOV/20-124-6-4/5

If V_0 is bounded in $C_\alpha^1(0,\infty)$ and $\|K(x,y)\| < Ne^{\alpha(x-y)}$, then it is $\sigma_\alpha(V_0) = \sigma_\alpha(V_0)$ for all $\vartheta > 0$. The spectral radius $r_\alpha(V_0)$ satisfies the estimation

$$r_\alpha(V_0) \leq \lim_{\vartheta \to \infty} \sup_{0<x<\infty} \int_0^x \|K(x,y)\| e^{-\alpha(x-y)} dy$$

These and some farther results are extended to multiple Volterra operators. The theorems are used in order to conclude from the behavior of operators to the boundedness of solutions of certain boundary value problems. There are 8 references, 4 of which are Soviet, 1 Polish, 1 American, 1 Hungarian and 1 Swedish.

ASSOCIATION: Odesskiy gosudarstvennyy pedagogicheskiy institut imeni K.D. Ushinskogo (Odessa State Pedagogical Institute imeni K.D.Ushinskiy)

PRESENTED: September 17, 1958, by I.G.Petrovskiy, Academician

SUBMITTED: September 15, 1958

Card 2/2

16(1)

AUTHOR: Gol'dengershel', E.I. SOV/20-125-1-3/6[illegible]

TITLE: On the Increase of the Solutions of Systems of Integral Equations of the Type of Volterra ([illegible] roste resheniy sistem integral nykh uravneniy [illegible] Volterra)

PERIODICAL: Doklady Akademii nauk SSSR, [illegible]9, Vol 125, Nr 1, pp19-22 (USSR)

ABSTRACT: The author considers the exponential order of increase of the solutions of systems of the integral equations of the type of Volterra

$$\int^{x} [illegible] \lambda\varphi [illegible] \leq x <$$

in dependence of the values λ and the increase of the function f(x). The investigation bases on the properties of the spectra

$\sigma_{\omega}(V)$ of the Volterra operator V [illegible] $\int^{x} K(x,y)f(y)dy$, $\leq x <$ [illegible],

in the space $L^{2}_{\omega}(0,\infty)$. [illegible]

Card 1/2

On the Increase of the Solutions of Systems of Integral Equations of the Type of Volterra

SOV/20-129-1-3

the exponential order of increase remains stable for sufficiently small perturbations of the V-operator. The author gives explicit assertions of the order of increase in which there appears an unknown which actually can be calculated only in rare cases. There are 6 references, 3 of which are Soviet, 1 Polish, 1 Hungarian, and 1 Swedish.

ASSOCIATION: Odesskiy gosudarstvennyy pedagogicheskiy institut imeni K.D. Ushinskogo (Odessa State Pedagogical Institute imeni K.D. Ushinskiy)

PRESENTED: September 17, 1958, by I.G.Petrovskiy, Academician

SUBMITTED: September 15, 1958

ACCESSION NR: AP4037553 S/0039/64/064/001/0115/0139

AUTHOR: Gol'dengershel', E. I. (Odessa)

TITLE: Spectrum of a Volterra operator on a semiaxis and exponential growth of solutions of systems of Volterra type integral equations

SOURCE: Matematicheskiy sbornik, v. 64, no. 1, 1964, 115-139

TOPIC TAGS: Volterra operator, exponential solution growth, Volterra integral equation, operator spectrum, denumerable spectrum, functional analysis

ABSTRACT: Using a functional analysis approach, the author obtains new results concerning the spectrum $\sigma_{\alpha}(V)$ of the Volterra operator V

$$(Vf)(x)=\int_0^x K(x,y)f(y)\,dy,\quad 0\leqslant x<\infty, \qquad (1)$$

with continuous kernel in the space $C_{\alpha}^{n}(0,\infty)$ of n-dimensional vector-functions $f(x)$, continuous on the semi-axis $[0,\infty)$, with norm

$$\|f\|_{\alpha}=\sup_{0<x<\infty}\|f(x)\|e^{-\alpha x}, \qquad (2)$$

where $\|f\|$ ($\|K\|$) denote the Euclidean norm of the vector f ($f^1,f^2,\ldots,f^n$) (of

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the matrix $K = (K_{ij})_1^n$). He then uses these results to study exponential growth of solutions of systems of integral equations

$$\int_0^x K(x, y)\varphi(y)\,dy - \lambda\varphi(x) = f(x), \quad 0 \leqslant x < \infty, \qquad (3)$$

for various λ and f, giving a general qualitative characteristic of growth of system (3), depending on the growth of the right parts and the values of λ. Several theorems allow him to obtain effective growth estimates for certain classes of systems. The properties he establishes for the Volterra operator in the space $C_0^n(0,\infty)$ are very general and can be formulated in terms of abstract theory of linear operators in Banach spaces. Orig. art. has: 64 formulas.

ASSOCIATION: none

SUBMITTED: 12Dec63 DATE ACQ: 09Jun64 ENCL: 00

SUB CODE: MA NO REF SOV: 017 OTHER: 006

16(1) 16.4600 16.4110 SOV/20-129-5-2/64

AUTHOR: Gol'dengershel', E.I.

TITLE: The Spectrum of Volterra's Operator on a Half-Axis and Tauber's Theorems of the Paley-Wiener Type

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol. 129, No. 5, pp. 971-974 (USSR)

ABSTRACT: Given a matrix $K(x,y) = (K_{ij}(x,y))$ defined and continuous in $0 \leq y \leq x < \infty$, a scalar function $\alpha(x) > 0$ continuous on $[0, \infty)$, and a complex number λ. The author investigates under which conditions for every function $f(x)$ $(f_1(x), \ldots, f_n(x))$ measurable on every finite interval of the half-axis $x \geq 0$ and bounded almost everywhere, from the equation

$$(*) \qquad \lim_{x \to \infty} \left(\int_0^x K(x,y) f(y)\,dy - \lambda f(x) \right) \alpha(x) = 0$$

there follows the equation

$$(**) \qquad \lim_{x \to \infty} f(x)\alpha(x) = 0.$$

Let $\mathfrak{M}_n$ be the set of all functions $f(x)$ $(f_1(x), \ldots, f_n(x))$ measurable on every finite interval of $x \geq 0$ and bounded almost

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The Spectrum of Volterra's Operator on a Half-Axis and Tauber's Theorems of the Paley-Wiener Type SOV/20-129-5-2/64

everywhere. Let $\|f\| = \left(\sum_{i=1}^{n} |f_i|^2\right)^{1/2}$, $\|K\| = \left(\sum_{i,j=1}^{n} \|K_{ij}\|^2\right)^{1/2}$.

Let $Z^n_{<\alpha(x)>}(0,\infty)$ be the Banach space of the $f(x) \in \mathfrak{M}_n$ which satisfy (**) with the norm

(1) $$\|f\|_{<\alpha>} = \operatorname{ess\,sup}_{0 \leq x < \infty} \|f(x)\| \alpha(x).$$

Theorem 1: In order that for every $f(x) \in \mathfrak{M}_n$ from (*) there follows the equation (**) it is necessary and sufficient that λ does not belong to the spectrum of the operator

(2) $$Vf = \int_0^x K(x,y) f(y)\,dy, \quad 0 \leq x < \infty$$

in the space $Z^n_{<\alpha(x)>}(0,\infty)$.

Theorem 3: Let the matrices $K(x,y)$ and $\widetilde{K}(x,y)$ generate bounded Volterra operators in $Z^n_{<\alpha(x)>}(0,\infty)$ and let

The Spectrum of Volterra's Operator on a Half-Axis and Tauber's Theorems of the Paley-Wiener Type

$$(4)\quad \lim_{t\to\infty} \sup_{t\le x<\infty} \int_t^x \| \tilde{K}(x,y)\| \frac{\omega(x)}{\omega(y)}\, dy = 0.$$

In order that for every $f(x)\in \mathfrak{M}_n$ from

$$(5)\quad \lim_{x\to\infty}\left[\int_0^x (K(x,y)+\tilde{K}(x,y))f(y)dy - \lambda f(x)\right]\omega(x) = 0$$

there follows the equation (**) it is necessary and sufficient that for every $f(x)\in \mathfrak{M}_n$ from (*) there follows (**).

Further five theorems of a similar kind are formulated.
The author mentions Gel'fand, Raykov, and Shilov.
There are 7 references, 4 of which are Soviet, 1 Polish, and 2 American.

ASSOCIATION: Odesskiy gosudarstvennyy pedagogicheskiy institut imeni K.D. Ushinskogo (Odessa State Pedagogical Institute imeni K.D.Ushinskiy)

PRESENTED: July 20, 1959, by I.G.Petrovskiy, Academician
SUBMITTED: July 18, 1959

Card 3/3

GOL'DENGERSHEL', E.I. (Odessa)

Spectrum of a Volterra operator on a semiaxis and the exponential increase of solutions to systems of Volterra type integral equations. Mat. sbor. 64 no.1:115-139 My '64. (MIRA 17:6)

GOL'DENGERSHEL', E.I.

Spectrum of a class of nonself-adjoint operators. Sib. mat. zhur. 6 no.6:1420-1422 N-D '65.

Resolvent of a Volterra operator with a kernel depending on the difference. Ibid.:1423-1424 (MIRA 18:12)

GOL'DENGORN, M.

Financial operations of primary organizations. Izobr.i rats.
no.1:39 Ja '60. (MIRA 13:4)

1. Zaveduyushchiy finansovym otdelom TSentral'nogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov.
(Technical societies)

GOL'DENGORN, M.

"Financing and use of means for invention and innovation" by IU.A. Margulis. Reviewed by M.Gol'dengorn. Izobr. i rats. no.8:35 Ag '61. (MIRA 14:9)

1. Zaveduyushchiy finansovym otdelom Tsentral'nogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov.
(Technological innovations--Cost)
(Margulis, IU.A.)

GOLDENKO, A.Ye. [Holdenko, A.IE.]; GEL'DERMAN, M.A. [Hel'derman, M.A.]

Attachment for the machining of the worms of caramel wrapping machines. Kharch.prom. no.4:73-74 O-D '63. (MIRA 17:1)

TODOROV, A.; GOL'DENSHTEYN, A., inzh.

Reconstructing summer sheds for keeping cattle in winter.
Sel'.stroi. 14 no.8:supplement. p.4 Ag '59.
(MIRA 12:12)

1. Glavnyy inzhener po stroitel'stvu v kolkhozakh Ministerstva sel'skogo khozyaystva Moldavskoy SSR(for Todorov).
(Dairy barns)

USSR/Medicine - New Remedies Mar 51

"Basis for Kampolon Treatment of Botkin's Disease," A. A. Gol'denshteyn, Tashkent, Hosp Therapeutic Clinic, Sanitation and Hygiene and Pediatric Faculties, Tashkent Med Inst

"Klin Med" Vol XXIX, No 3, pp 46-48

Stimulation of erytropoiesis and tendency toward embryonal shift which occur in Botkin's disease form the basis for kampolon therapy. Conclusions drawn on basis of examn carried out on 115 patients suffering from sporadic form of Botkin's disease (epidemic hepatitis).

161T55

GOL'DENSHTEIN

GOL'DENSHTEIN, A.A., kandidat meditsinskikh anuk

Etiology and pathogenesis of hemolytic anemia. Terap. arkh. 26 no.2:68-74 Mr-Ap '54. (MLRA 7:8)

1. Iz gospital'noy terapevticheskoy kliniki (zav. prof. O.N. Pavlova) sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov Tashkentskogo meditsinskogo instituta imeni V.M.Molotova.
(ANEMIA, HEMOLYTIC, etiology and pathogenesis,)

ACCESSION NR: AP4040967 S/0147/64/000/002/0013/0019

AUTHOR: Gol'denshteyn, A. M.

TITLE: Solution of flexural problems of sandwich plates and shells by using displacement functions

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 2, 1964, 13-19

TOPIC TAGS: plate, shell, sandwich plate, sandwich shell, sandwich plate flexure, flexure displacement function, variable thickness sandwich plate

ABSTRACT: The flexural behavior of symmetrical shallow sandwich shells and plates with isotropic faces and core is discussed. The flexural rigidity of face layers is disregarded, and a displacement function ϕ is introduced which reduces the design of a sandwich plate to that of a solid plate. The solution obtained for the deflection consists of two parts: one expressing the flexure of face layers, and the other - the flexure of the core. All problems whose boundary conditions are satisfied by the displacement function ϕ can be solved

ACCESSION NR: AP4040967

by the method proposed. In the case of an asymmetrical sandwich, the solution has difficulties, but the introduction of the displacement function ϕ helps to reduce considerably the volume of the computation work and to obtain design formulas. Sample flexure analyses of the following simply supported symmetrical sandwich plates under lateral loading are presented: a rectangular plate with a light-weight core, a circular plate with a rigid core, and a plate with faces of constant thickness but whose total thickness variation is given by a formula $H = k\phi$, where k is a proportionality factor. Orig. art. has: 23 formulas.

ASSOCIATION: none

SUBMITTED: 26Sep63 ATD PRESS: 3048 ENCL: 00

SUB CODE: AS NO REF SOV: 007 OTHER: 000

Card 2/2

S/084/60/000/006/009/020
A104/A029

AUTHORS: Gol'denshteyn, I., Orlov, K., Glazkov, M.

TITLE: Production Line Docks

PERIODICAL: Grazhdanskaya Aviatsiya, 1960, No. 6, p. 6.

TEXT: The authors describe a mobile repair dock for IL -14 (Il-14) aircraft designed by the plant collective under the supervision of I. Ivasik. The dock is made of welded channel-steel and resembles a trolley-frame on rails along which the aircraft is moved as shown in the figure. The aircraft is suspended inside the dock and repairs are carried out from a number of bridging boards. The dock has two fitter's benches, compressed air is supplied from the main line and a 24 v electric power supply is maintained. Upon a number of tests and modifications the production of these docks has been entrusted to the establishment supervised by A. Ovsyanikov. The photograph shows the fitter V. Makhov of the repair workshop supervised by Kh. Izmiryan working on the landing gear of a Tu-104 aircraft. There is 1 photograph and 1 figure.

Card 1/1

TUR'YAN, Ya.I.; GOL'DENSHTEYN, I.S.

Oxygen overvoltage at the nickel electrode for greater current densities. Zhur.prikl.khim. 29 no.3:379-384 Mr '56. (MLRA 9:8)

1. Kishinevskiy Gosudarstvennyy universitet.
(Electrodes, Nickel) (Overvoltage)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620014-7

GOL'DENSHTEYN, I.S.

TUR'YAN, YA. I.

The oxygen overvoltage on a nickel electrode at high current densities. Ya. I. Tur'yan and I. S. Gol'denshtein. *J. Appl. Chem. U.S.S.R.* 29, 126-19(1956)(Engl. translation).—See *C.A.* 50, 13011*g*. E. W. R.

BOGDANOV, K.A.; YAKUSHEVA, Ye.F.; AGARYSHEV, V.P.; GOL'DENSHTEYN, L.M.

Production of benzyl acetate by esterification and removal of water by toluene. Masl.-zhir.prom. 25 no.11: 38-39 '59. (MIRA 13:3)

1. Kaluzhskiy kombinat sinteticheskikh dushistykh veshchestv.
(Acetic acid) (Toluene)

GOL'DENSHTEYN, L.M.; [illegible]

Hydrolysis of diesters of dicarboxylic acids on the KU-2 cation exchanger. Zhur.prikl.khim. 38 no.6:1345-1348 Je '65. (MIRA 18:10)

GOL'DENSHTEYN, L.M.; FREYDLIN, G.[illegible]

Hydrolysis of diesters of dicarboxylic acids on ion exchangers. Zhur.prikl.khim. 3[illegible] no.[illegible]:[illegible] '65.

Hydrolysis of diesters of [illegible] acids on the KU-[illegible] cation exchanger [illegible]. Ibid.:[illegible] (MIRA [illegible])

1. Submitted November 1[illegible], 1963.

68792

[illegible] [illegible]/[illegible]

AUTHORS: Gol'denshteyn, L.S., Gokhberg, I.Ts.

TITLE: On a Multidimensional Integral Equation Upon a Half [illegible] With a Kernel Which Varies With the Difference Between the Argum[illegible] and on a Discrete Analogue of This Equation

PERIODICAL: Doklady Akademii nauk [illegible], [illegible], Vol [illegible], Nr [illegible], pp [illegible] (USSR)

ABSTRACT: Let $t = (t_1, t_2, \ldots, t_n)$ be a point of [illegible]$_n$; let E^+ be the half space [illegible]. The equation

(1) $\varphi(t) - \int_{E^+} k(t-s)\varphi(s)ds = f(t)$, $t \in E^+$; $k(t) \in L_1(E_n)$;

$f(t)$, $\varphi(t) \in E(E^+)$

is considered, where [illegible] is one of the spaces $L_p(E^+)$ $(p \geqslant 1)$, $M(E^+)$, $M_c(E^+)$, $M_n(E^+)$, $C(E^+)$, $C_0(E^+)$ (see [Ref [illegible]], § [illegible]). If [illegible] is $n > 1$ and if

(4) $1 - \int_{E_n} e^{i(\lambda,t)} k(t) dt \neq 0$ $\lambda \in E_n$

Card [illegible]

65792

On a Multidimensional Integral Equation Upon a Half Space With a Kernel Which Varies With the Difference Between the Arguments, and on a Discrete Analogue of This Equation [illegible]/020/60/13[illegible]/01/[illegible]/60

then the index of (1) is always equal to zero and the solution can be carried out according to the factorization method of M. G. Kreyn [Ref. 1]. It is shown that the equation (1), under the assumptions imposed, for arbitrary $f(t) \in D(E^+)$ possesses a unique solution $\varphi(t) \in D(E^+)$, for which it holds the integral representation $\varphi(t) = f(t) + \int_{E^+} \gamma(t,s) f(s) ds$ where $\gamma(t,s)$ results from the factorization of the function $(1 - \int_E e^{i(\lambda,t)} k(t) dt)^{-1}$. Then the authors consider the discrete analogue of (1):

(6) $\sum_{j \in R^+} a_{k-j}\, \xi_j = \eta_k \quad (k \in R^+)$

Card 2/[illegible]

[illegible] International Integral [illegible] on [illegible] S/020/60/131/01/001/[illegible]
Upon a Half Space With a Kernel Which Varies With the Difference Between the Arguments, and on a Discrete Analogue of This Equation

where R^+ is the point lattice corresponding to the half space x^+. The properties of (6) are essentially different from those of (1) for $n \geq 1$, since (6) may have a vanishing as well as infinite index. The homogeneous equation (6) has either a unique zero solution or infinitely many linearly independing solutions whose form is given. The authors give conditions which are necessary and sufficient in order that the inhomogeneous equation (6) possesses at least one solution. Altogether three theorems are given.

There are 4 references, 3 of which are Soviet, and 1 English.

[illegible]: Kishenevskiy sel'skokhozyaystvennyy institut imeni M V Frunze (Kishenev Agricultural Institute imeni M V Frunze)
Moldavskiy filial Akademii nauk [illegible] (Moldavian [illegible] Institution AS [illegible])

[illegible]: November 14, 1959, by V I Smirnov, Academician
November 13, 1959

GOL'DENSHTEYN, L.S.

Criteria of the one-sided reversibility of functions of several isometric operators, and their applications. Dokl. AN SSSR 155 no.1:23-31 Mr '64. (MIRA 17:4)

1. Kishinevskiy sel'skokhozyaystvennyy institut im. M.V.Frunze. Predstavleno akademikom P.S.Aleksandrovym.

GOL'DENSHTEYN, M., polkovnik

Cable controls for road construction machines. Voen.-inzh.zhur. 94 no.10:37-41 O '50. (MIRA 10:12)
(Road machinery--Equipment and supplies)

GOL'DENSHTEYN, M., polkovnik

Operating conditions and maintenance of the driving mechanism of digging and road machinery. Voen.-inzh.zhur. 97 no.2:27-32 F '53. (MIRA 12:4)

(Road machinery)

GOL'DENSHTEYN, Mikhail Naumovich, polkovnik zapasa; MOSALL, N.A., polkovnik, red.; SOKOLOVA, G.F., tekhn. red.

[Bulldozers] Bul'dozery. Moskva, Voenizdat, 1962. 105 p. (MIRA 15:7)

(Bulldozers)

GOL'DENSHTEYN, Ye. I. and LEVIT, A. I.

GOL'DENSHTEYN, Ye. I. and LEVIT, A. I. "Analysis of the urea-separating function of the kidney in internal alcohol narcosis", Trudy Kishinevsk. gos. med. in-ta, Vol. 1, 1949, p.368-70.

SO: U-3261, 10 April 53 (Letopis - Zhurnal 'nykh Statey No. 11, 1949)

GOL'DENSHTEYN, Ye.I.

Case of cancerous degeneration of an ulcer of the extremities cured by a free skin graft. Zdravookhranenie 2 no.3:52-53 My-Je '59. (MIRA 12:10)

1. Zavedyvayushchiy onkologicheskim punktom g.Kishineva.
(SKIN--CANCER) (SKIN GRAFTING)

L 10965-66 EWT(1)/EWA(j)/EWA(b)-2 JK

ACC NR: AP5028403 SOURCE CODE: UR/0016/65/000/009/0143/0143

AUTHOR: Gol'denshteyn, Z. A.

ORG: Krasnodarsk Sanitation-Epidemiological Station (Krasnodarskaya sanitarno-epidemiologicheskaya stantsiya)

TITLE: leptospirosis morbidity rate at enterprises of the meat-packing industry

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1965, 143

TOPIC TAGS: infective disease, animal disease, disease incidence, leptospirosis

ABSTRACT: Serological investigation of 778 persons was carried out to study the morbidity rate of leptospirosis among workers of the meat industry. Specific antibodies were found in the sera of 192 workers (24.6%). The majority of positive results was elicited in persons who had worked at the meat-packing plants less than a year (40.6%); Positive reactions with leptospiras in the slaughtering houses in 151 of 574 sera, in 25 of 99 sera in the intestine-processing shops, in 6 of 27 in the endocrine gland-processing shops, and in 7 of 37 at the cattle yard. Positive lysis and agglutination reactions were observed with leptospiras of the type grippotyphosa, pomona, tarassovi, canicola, hebdomadis,

Card 1/2 UDC: 616.986.7-057:637.5(048.1)

L 10965-66
ACC NR: AP5028403

icterohaemorrhagiae, bataviae, sorex, saxkoebing, and australis. L. autralis accounted for 32.8% of the reactions, whereas of the total number of patients in the region during this time L. australis only accounted for 4%. Upon examination of the sera of cattle and pigs from the collective and state farms of the Krasnodarsk region in 1962 — 1963, positive lysis and agglutination reactions with leptospiras were obtained in 19.4% of the former and in 30.4% of the latter. This indicates the role of agricultural animals as a source of leptospirosis in the Krasnodarsk region. The workers of the meat-packing plant slaughtered and processed the carcass without wearing rubber gloves; their work with cutting tools result in cuts on the hands and these cuts become the infection atria. Retrospective diagnosis of swamp fever in workers of the meat-packing plants led to the hypothesis of their acquiring immunity after an undiagnosed illness. The observations indicate the need for carrying out rigorous veterinarian and sanitation measures to prevent leptospirosis among meat packers and also their immunization by leptospirosis vaccine.

SUB CODE: 06 / SUBM DATE: 25Jun64

Card 2/2

ACC NR: AP6026391 (N) SOURCE CODE: UR/0399/66/000/007/0059/0060

AUTHOR: Gol'denshteyn, Z. A.

ORG: Krasnodar Kray Sanitation and Epidemiological Station [Chief Physician — Ye. V. Strikhanova] (Krasnodarskaya krayevaya sanitarno-epidemiologicheskaya stantsiya)

TITLE: Epidemic outbreak of swamp fever in Krasnodar sovkhoz

SOURCE: Sovetskaya meditsina, no. 7, 1966, 59-60

TOPIC TAGS: infective disease, epidemic disease, leptospiral disease, swamp fever, animal disease, [illegible]

ABSTRACT:
In the summer of 1963 an epidemic outbreak of swamp fever occurred at the Zarya Sovkhoz, located on the Gryaznukha River in the Krasnodar Territory. In May 1963 a summer pasture for 2000 swine was established two km from the Sovkhoz. In June, a cattle plague of uncertain cause began, while simultaneously the river was dammed to provide water for gardens. Inhabitants also swam in this water supply. The first case of swamp fever was noted on 13 July. Then, for the next 13 days, a total of 119 cases

Card 1/2 UDC: 616.966.722-036.22(470.62)

ACC NR: AP6026391

appeared, in groups of 2—16 cases per day. Laboratory studies confirmed the diagnosis of leptospirosis, and the clinical course of the disease was studied in 81 patients, predominantly in the age range of 5—20 yr. The symptoms and course of the disease were typical. The results of agglutination and lysis reactions with different Leptospira serotypes are as follows:
The blood serum of cattle was also studied. This epidemic differed from a previous one on the same Sovkhoz in 1948. The 1948 epidemic originated in calves infected with *Leptospira* of the Grippotyphosa type, while the later epidemic was spread by swine infected with *Leptospira* of various serotypes, indicating that in a given territory the etiology of leptospiral disease may vary; further study of this problem is deemed necessary. Preventive and remedial measures were taken which effectively ended the epidemic. [WA-50; CBE No. 11]

SUB CODE: 06/ SUBM DATE: none/

Card 2/2

LEVIN, Gavriil Mikhaylovich, GOLDENBERG, [illegible]
ZIMIN, Ye.N., red.

[Reversing electric drive with mercury arc rectifiers] Re-versivnyi ionnyi elektroprivod. Moskva, Energiia, 1964. 80 p. (Biblioteka po avtomatike, no.118) (MIRA 18:3)

GOL'DENTSVAYG, Ya. D.

Dissertation: "Disturbance of the Acid-Alkali Balance, the Gas Metabolism, and Certain Elements of the Correct Internal Metabolism in Various Diseases and Conditions of the Organism." Cand Med Sci, Smolensk State Medical Inst, Smolensk, 1950. (Referativnyy Zhurnal--Khimiya, Moscow No 4, Feb 54)

SO: SUM 243, 19 Oct 54

GOL'DENSHTEYN, Z. A., sanitarnyy vrach

Leptospirosis in swine at a meat-packing plant. Gig.i san. 28 no.1:110-111 Ja '63. (MIRA 16:7)

1. Iz Krasnodarskoy krayevoy sanitarno-epidemiologicheskoy stantsii.

(KRASNODAR TERRITORY--LEPTOSPIROSIS)
(KRASNODAR--PACKING--HOUSE WORKERS--DISEASES AND HYGIENE)

L 52983-65 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1) Pf-4

ACCESSION NR AM5011012 BOOK EXPLOITATION

Levin, Gavriil Mikhaylovich; Gol'dental', Moisey Emmanuilovich

Reversible ion electric drive (Reversivnyy ionnyy elektroprivod), Moscow, Izd-vo "Energiya", 1964, 90 p. illus., biblio. 12,500 copies printed. Series note: Biblioteka po avtomatike, vyp. 118.

TOPIC TAGS: blooming mill, mercury switch, reversible ion electric drive

PURPOSE AND COVERAGE: Using the example of reversible ion electric drive of a blooming mill, the basic features of similar circuits and methods permitting optimal operation of the drive in transient regimes are examined. A new system of control based on the use of inertialess elements of ion electric drive and special equipment to set the regimes of starting, reverse, and braking is presented. A semiconductor system of grid control with a wide range of regulation and strict symmetry of grid pulses independent of the parameters of the power source is described. The book is intended for engineers and technicians concerned with the design, tuning, and use of automated electric drive.

TABLE OF CONTENTS (abridged):

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620014-7

L 52983-65

ACCESSION NR AM5011012

SUBMITTED: 020ct64 SUB CODE: EE, MM

NR REF SOV: 013 OTHER: 004

Card 2/2

USSR/Human and Animal Physiology - Respiration. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 12047

Author : Gol'dentsvayg, Ya.D.
Inst : -
Title : Gases in the Blood in Lobar and Focal Pneumonias

Orig Pub : Sov. meditsina, 1957, No 6, 94-100

Abstract : In 8 patients with lobar and focal pneumonia at the peak of the illness there was a reduction of 85-63% in the saturation of arterial blood and 43 - 25% in venous blood. The degree of undersaturation corresponded to the severity of the condition. The arterial-venous difference in O_2 content was increased. The amount of CO_2 rose in the blood and decreased in the alveolar air. Impairment of the gaseous exchange in the lungs in pneumonia depended on the disturbance of permeability of the pulmonary membranes and also on the disturbance of coordination between ventilation and

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620014-7"

[illegible], [illegible]; [illegible] uchastiye: [illegible]; CHIN[illegible], S.S., inzh.; [illegible], V.[illegible]; [illegible], G.[illegible], starshiy mekhanik; [illegible], Yu.[illegible], starshiy mekhanik; [illegible]HINSKIY, [illegible], starshiy laborant; [illegible], [illegible], inzh.; [illegible], [illegible], starshiy tekhnik

[Transportation of [illegible] subject to freezing; problem in the theory of freezing and the mechanization of [illegible] operations.] Perevozki smerzaiushchikhsia gruzov; voprosy teorii smerzaniia i mekhanizatsii rykhleniia. [illegible], [illegible] iuzhnyi [illegible] transporta. Trudy, [illegible]).

(MIRA 17:9)

GONCHAROV, S.F., kand.tekhn.nauk; KOROTKOV, G.P., inzh.; KOGOSOV, B.Ye., red.; GOL'DENTUL, B.A., red.; MATSEYEVSKAYA, Ye.M., tekhn.red.

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