Infectious Diseases

BULGARIA

MANOILOV, G., Lieutenant Colonel of the Medical Service, ILIEV, T., Colonel of the Medical Service, LYUTSKANOV, K., Captain of the Medical Service, VASILEV, V., Major of the Medical Service, and GROZEV, G., Senior Lieutenant of the Medical Service

"Occurrence of Q-Fever in the N Detachment in the City of Stara Zagora"

Sofia, Voenno Meditsinsko Delo, Vol 21, No 5, Oct 66, pp 38-43

Abstract: In March 1965 there were 24 cases of Q-fever among members of the N detachment, which was in field training in the vicinity of Stara Zagora. Eight of the cases were severe and 20 were accompanied by pneumonia. An investigation showed that the focus of infection was a sheep breeding farm at which 64 members of the detachment slept. Twenty of those who slept at the farm caught the disease. A number of sheep at the farm were affected by mastitis, and bortions or were sterile. A serological investigation indicated that 62.5% of these sheep had antibodies against R. burnetti in their blood. Fourteen of the persons infected had a raised temperature for periods up to 45

MANOILOV, L.

MANOILOV, L. Construction using precast reinforced-concrete parts in Czechoslovakia. p.1.

Vol. 3, no. 3/4, 1956, STROITELSTVO, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 10, Oct. 1956.

MANOILOV, L.

Regarding the sliding pressure in reinforced concrete parts. p. 17.
(Tekhnika, Vol. 6, no. 1, 1957, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

EXCERPTA MEDICA Sec 2 Vol 12/9 Physiology Sept 59

3880. SEPARATION OF NUCLEIC ACIDS VARIOUSLY COMBINED WITH PROTEINS OF ANIMAL TISSUES (Russian text) - Manoilov S. E. and Orlov A. S. Centr. Res. Roentgen-Radiol. Inst., Min. of Hlth of the USSR, Leningrad - BIOKHIMIYA 1958, 23/5 (663-668) Tables 2

By means of a saturated NaCl solution and acetic acid it proved possible to isolate from various organs of the animal organism 2 nucleoprotein fractions. One of them contained nucleoproteins in which nucleic acid was combined with protein by 'strong' covalent bond (through the NH_2-group of adenine) and the other by a labile bond (through the P residue). It was shown that it is DNA that mostly forms the covalent bond, while the labile one is formed by RNA. The greatest content of nucleoproteins with a covalent bond was found in the spleen and small intestine, and a lower one in the liver and kidneys. In the study of nucleic acid metabolism, account should be taken of the capacity of these acids to form complexes with proteins.

MANOILOV, L., ~~dots~~.

Determining the carrying armoring of the elements loaded on the bending, noncentric pressure, and noncentric strain. Stroitelstvo 9 no.4:20-23 Jl-Ag '62.

MANOILOV, L.

Determination of hardness and the distance between the cracks of ferroconcrete components under bending stress. Izv vodno stop stroit BAN 173-192 4 '63.

ACC NR: AP6031046 SOURCE CODE: UR/0146/66/009/004/0139/0141

AUTHOR: Manoilov, V. Ye.

ORG: none

TITLE: Bionics and problems of instrument manufacturing

SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 4, 1966, 139-141

TOPIC TAGS: scientific conference, cybernetics, man machine communication

ABSTRACT:
The Second All-Union Conference on Bionics, organized by the Academy of Sciences USSR, the Scientific Council on the Complex Problem of Cybernetics, the Ministry of Higher and Secondary Special Education USSR, the Ministry of the Radio Industry USSR, the Academy of Medical Sciences, and the All-Union Scientific-Technical Society imeni A. S. Popov, was held 20—24 December, 1965. Two plenary sessions and fifteen sectional meetings were held. The following areas were discussed: 1) receptors, analyzers, and the identification of objects; 2) neuron organization and bionic reliability systems; 3) bionic aspects of guidance and control and problems of the man-automaton; 4) animal orientation and navigation;

Card 1/5 UDC: 006.3

ACC NR: AP6031046

and 5) biomechanics and bioenergetics.

The reports presented at the plenary sessions were as follows: "The present state and trends in the development of bionics" (A. I. Berg, Academician, and B. S. Sotskov, Corresponding Member of the Academy of Sciences); "The means for animal irradiation and its simulation" (N. P. Naumov, G. N. Siyemkin, V. D. Π'yichev, and V. D. Protasov); "The problem of modeling a universal sensor" (Ya. A. Vinikov); "Modern concepts about man's memory and bionic means for constructing memory devices for cybernetic machines" (L. P. Krayzmer); and "Modern problems of biological aerohydrodynamics" (S. Ye. Kleynenberg, N. V. Kokshayskiy).

Approximately one hundred reports were read and discussed in the sectional meetings. A. K. Podshibyakin's report was entitled "Forecasting the operational reliability of a 'man-machine' system and the heliogeomagnetic factors." Relying on a great quantity of experimental material, he showed that a dependence exists between the biopotentials of man and animals and the magnetic fields of the atmosphere.

Card 2/5

ACC NR: AP6031046

Ye. V. Gubler, A. A. Pervozvanskiy, and I. B. Chelnokov discussed "The processes of 'accidental' control in a living organism as a factor of its reliability during destructive actions." The authors showed that the processes of emergency control in a living organism during a sickness have features which are similar to those of control during emergency situations in energy systems.

More than 20 reports discussed the results of investigations of biological automatic control. Ye. V. Meystrakh, V. K. Zakharov, G. N. Il'yutkin, and Yu. I. Lamyr' considered the "Restoration and maintenance of homeostasis at terminal states under conditions of interaction between an automaton and an organism." This report includes a description of an automatic installation for maintaining homeostatic processes in an animal organism which has been disturbed by extreme irritations. Data from physiological experiments were given and the interaction between an automaton and a living organism on the level of the regulation of vegetative functions was discussed. A report by G. A. Sergeyev and A. F. Romanenko discussed statistical features of a "man-automaton" information system under the effect of nonstationary input signals.

Card 3/5

ACC NR: AP5031046

The report of L. Ya. Fukshanskiy and G. I. Yuzefovich, "Mathematical models of a mechanism by which biological objects tell time" summarizes "extremely interesting" experimental facts characterizing the "biological clocks" of plants and insects.

B. P. Manteyfel' and V. Ya. Yakobi made a detailed survey of Soviet and non-Soviet investigations of navigation orientation in animals and birds. V. R. Protasov and Yu. D. Podlipalin reported on the effects of low-frequency gravitational fields on the orientation of some fish. A. R. Sakayan presented data on navigation in homing pigeons. M. Ye. Shumakov's report dealt with experiments on magnetic orientation in birds.

A series of reports was devoted to the problem of the simulation of neurons. Ye. V. Baybakov in his report "Simulation of the transformation of signals in receptors of living organisms" describes a

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ACC NR: AP6031046

method for the amplification of microsignals in the membrane of receptors of sense organs and also describes an electronic model illustrating the bioamplifier converter.

L. A. Chistovich, V. I. Galunov, and V. V. Lyublenskaya discussed the motor theory of the perception of acoustic signals.

Problems of the reliability of measuring instruments were discussed in the section "Neuron organization and bionic reliability systems." The "most interesting" were associated directly or indirectly with the description of bionic principles and data dealing with the reliability of the brain.

The conference delegates saw a series of scientific films, one of which dealt with the activities of bees.

Academician A. I. Berg summarized the work of the Conference and discussed the course of the further development of bionics.

[FSB: v. 2, no. 11]

SUB CODE: 06,05 / SUBM DATE: none

Card 5/5

MANOIM, I.M.

Differential diagnosis of serous (aseptic) meningitis of enteroviral etiology (with respect to S.E. Ganzburg's and V.I. Freidkov's articles). Pediatriia 42 no.5:40-42 My'63 (MIRA 16:11)

DAVITAYA, F.F., doktor sel'skokhozyaystvennykh nauk, redaktor; MANOIM, L.F., redaktor; SOLOVEYCHIK, A.A., tekhnicheskiy redaktor.

[Agroclimatic and water resources of regions having virgin and waste lands to be reclaimed] Agroklimaticheskie i vodnye resursy raionov osvoeniia tselinnykh i zalezhnykh zemel'. Pod red. F.F.Davitaia. Leningrad, Gidrometeorologicheskoe izd-vo, 1955. 463 p. (MLRA 9:6)

1.Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

(Russia--Climate) (Water supply, Rural)

URYVAYEV, V.A., kand.tekhn.nauk, otv.red.; ALEKIN, O.A., red.; VELIKANOV, M.A., red.; BLIZNYAK, Ye.V., red.; BORSUK, O.N., kand.geogr.nauk, red.; DAVYDOV, L.K., red.; DOMANITSKIY, A.P., red.; KALININ, G.P., red.; KRITSKIY, S.N., red.; KUDELIN, B.I., red.; MANOIM, L.F., red.; MENKEL', M.F., red.; ORLOV, B.P., red.; POPOV, I.V., red.; PROSKURYAKOV, A.K., red.; SOKOLOVSKIY, D.L., red.; SPENGLER, O.A., red.; CHEBOTAREV, A.I., red.; CHERKAVSKIY, S.K., red.; GROSMAN, R.V., red.; SERGEYEV, A.N., tekhn.red.

[Proceedings of the third All-Union Hydrological Congress] Vsesoiuznyi gidrologicheskii s"ezd. 3rd, Leningrad, 1957. Trudy. Leningrad, gidrometeor. izd-vo. Vol.1 [General information, decisions, and papers presented in plenary sessions] Obshchie svedeniia, resheniia i plenarnye doklady. 1958. 242 p. (MIRA 12:1)

(Hydrology--Congresses)

FEDOROV, N.N., kand.tekhn.nauk; POPOV, I.V., kand.geogr.nauk; BORSUK, O.N., kand.geogr.nauk; GRUSHEVSKIY, M.S., kand.tekhn.nauk; VELIKANOV, M.A., prof., doktor tekhn.nauk, red.(Moskva); URYVAYEV, V.A., otv. red.; ALEKIN, O.A., red.; BLIZNYAK, Ye.V., red. [deceased]; BORSUK, O.N., red.; DAVYDOV, L.K., red.; DOMANITSKIY, A.P., red.; KALININ, G.P., red.; KRITSKIY, S.N., red.; KUDELIN, B.I., red.; MANOIM, L.F., red.; MENKEL', M.F., red.; ORLOV, B.P., red.; PROSKURYAKOV, A.K., red.; SOKOLOVSKIY, D.L., red.; SPENGLER, O.A., red.; CHEBOTAREV, A.I., red.; CHERKOVSKIY, S.K., red.; SHATILINA, M.K., red.; VLADIMIROV, O.G., tekhn.red.

[Transactions of the Third All-Union Hydrological Congress] Trudy III Vsesoiuznogo gidrologicheskogo s"ezda. Vol.5. [Section of Hydrodynamics and River-Bed Evolution] Sektsiia gidrodinamiki i ruslovykh protsessov. 1960. 421 p.

(MIRA 13:11)

1. Vsesoyuznyy gidrologicheskiy s"ezd. 3d, Leningrad, 1957.
2. Gosudarstvennyy gidrologicheskiy institut (for Fedorov, Popov).
3. Chlen-korrespondent AN SSSR (for Velikanov).
(Hydrology--Congresses)

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RUMANIA / Zooparasitology. Mites and Insects - Carriers of Diseasc Agents G-4

Abs Jour: Ref Zhur-Biol., No 20, 1958, 91072

Author : Lupascu, Gh., Duport, M., Cristescu, A., Manoiu, C., Raicu, V.

Inst : ~~Not given~~

Title : Phlebotomus Perfiliewi in Rumania: Its Ecology and Phenology.

Orig Pub: Studii si cercetari inframicrobiol., microbiol. si parazitol., 1957, 8, No 1, 121-130 (Rumanian; res. Russ., Fr.)

Abstract: Craiova is one of the regions where Phlebotomus papatasii is widespread. It was here in rodent burrows and in bird nests that Phl. perfiliewi was first discovered. This species was also found in three houses, in two of which cases

Card 1/2

DINULESCU, G.,; STOENESCU, D.,; MANOIU, I.,; RAUCHBACH, C.,; DRAGOIU, I.,; DOMCIU, Iv.,; FRUCHTER, J.

Study of piperazine as an anthelmintic in ascariasis, ankylostomiasis and trichuriasis in dogs. Stud. cercet. inframicrobiol Bucur. 6 no. 1-2:285-298 Jan-June 55.

(HELMINTH INFECTIONS
in dogs, ther., piperazine)
(PIPERAZINES, ther. use
helminth infect. in dogs)
(DOGS, diseases
helminth infect., ther., piperazine)
(HOOKWORM INFECTION
in dogs, ther., piperazine)

DINULESCU, G.,; STOENESCU, D.,; MANOIU, I.,; IVANA, Ilie,; VISAN, C.,; TEODORU, M.,; RAUCHBACH, C.,; NEGRU, I.,; LOVIN, Dan.

Piperazine as anthelmintic in parascariasis, oxyuriasis and strongylosis in horses. Stud. cercet. inframicrobiol., Bucur. 6 no.1-2:295-300 Jan-June 55.

(ASCARIASIS
parascariasis in horses, ther., piperazine)
(OXYURIASIS
in horses, ther., piperazine)
(NEMATODE INFECTIONS
in horses, ther., piperazine)
(HELMINTH INFECTIONS
in horses, ther., piperazine)
(PIPERAZINES, ther. use
helminth & nematode infect. in horses)
(HORSES, dis.
helminth & nematode infect., ther., piperazine)

DINULESCU, G.; STOENESCU, D.; RAUCHBACH, C.; MANOIU, I.; NEGRU, D.; DONCIU, Ivanca; DRAGOI, I.; LOVIN, D.

Studies of the invasive elements in parasitoses in dogs. Stud. cercet. inframicrobiol., Bucur. 6 no.3-4:587-593 July-Dec 1955.

(PARASITIC DISEASES
intestinal, indogs, etiol. & transm.)
(GASTROINTESTINAL DISEASES
parasitic, in dogs, etiol. & transm.)

SUHACI, I.; URSACHE, R.; POPA, E.; MANOIU, I.; GREBLEA, A.

Investigations of immunization in Carre's disease. Stud. cercet. inframicrobiol. 13 no.3:391-404 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.

(DISTEMPER VIRUS) (VIRUS CULTIVATION) (VACCINES)

MANOJLOV, D.

TECHNOLOGY

MANOJLOV, D. Results, successes, and problems of the Novi Sad Railroad Enterprise. p. 6.

Vol. 14, no. 11, Nov. 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass

MANOJLOVIC, B.

Most advantageous and justified grades of railroad lines in relation to total operational costs, p. 455, TEHNIKA, (Savez inzenjera i tehnicara Jugoslaviije) Beograd, Vol. 9, No. 3, 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 8, Aug. 1956

MANOJLOVIC, B.

Moderating rises near tunnels. p. 1499. Vol. 9, No. 9, 1954. TEHNIKA. Beograd, Yugoslavia.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 8, August, 1956.

MANOJLOVIC, B.

Comparative tests of 105 B. 008 motors with Weber and IPM carburetors, p. 619

TEHNIKA (Savez inzenjera i tehincara Jugoslavije) Beograd, Yugoslavia.
Vol. 14, no. 4, Apr 1959

Monthly List of East European Accession EEAI LC, Vol. 8, no. 6, June 1959
Uncla.

MANOJLOVIC, Borivoje, inz., prof. (Beograd, Prote Mateje 33)

Railroad network of East Serbia, and problems of projecting the Majdanpek-Bor railroad line. Tehnika Jug 17 no.11:Suppl.: Saobracaj 9 no.11:2181-2186 N '62.

1. Gradevinski fakultet u Beogradu, clan Uzeg redakcionog odbora ["Tehnika" - Supplement:] "Saobracaj".

ARSIC, Bogoljub, sanitetski pukovnik docent dr.; MEL, David, sanitetski pukovnik dr.; RADOVANOVIC, Miroslav, sanitetski kapetan dr.; NIKOLIC, Bozidar, sanitetski potpukovnik dr.; ZISOVSKI, Angel, sanitetski potpukovnik dr.; SOKOLOVSKI, Borivoje, sanitetski kapetan I klase dr.; DORDEVIC, Dusan, sanitetski major dr.; STANKOVIC, Nikola, visi zdravstveni tehnicar; MANOJLOVIC, Borislav, sanitetski kapetan I klase; MIJUSKOVIC, Punisa, sanitetski kapetan I klase dr.

Treatment of dysentery with various doses of terramycin. Vojnosanit. pregl. 22 no.6:388-393 Je '65.

1. Vojnomedicinska akademija u Beogradu, Higijenski zavod, Epidemioloski institut; Higijensko-epidemioloski odred Skoplje; Armijska bolnica u Skoplju, Zarazno odeljenje; Vojnomedicinska akademija u Beogradu, Klinika za zarazne bolesti.

MANOJLOVIC, Ciro, major d-r

Tuberculozni otomastoiditis. Voj.san.preg.,Beogr. 12 no.5-6:276-281 May-June '55.

1. Otorinolaringoloska klinika VMA
(MASTOIDITIS,
tuberc.otomastoiditis, ther.,results(Ser))
(OTITIS
tuberc.otomastoiditis,ther.,results (Ser))
(TUBERCULOSIS,
otomastoiditis, ther.,results(Ser))

MITROVIC, Momcilo, sanitetski major, dr.; MANOJLOVIC, Cira, sanitetski potpukovnik, dr.

Otorhinolaryngological findings in radar station personnel. Voj.san. pregl. 18 no.2:173-176 F '61.

1. Vojnomedicinska akademija u Beogradu, Klinika za uho, nos i grlo.

(OTORHINOLARYNOLOGY) (RADAR)

MANOJLOVIC, Cira, sanitetski potpukovnik, dr.

Hearing disorders caused by noise in tank personnel. Voj.san.pregl. 18 no.6/7:535-539 [redacted]l '61.

1. Vojnomedicinska akademija u Beogradu, Klinika za uho, nos i grle.

(B NOISE) (DEAFNESS) (MILITARY MEDICINE)

JOVANOVIC, Momir S.; MANOJLOVIC, Cmiljka M.; GUDALO, Branko

A new method for the determination of hydrazine sulfate. Its application for the hydrazinometric determination of lead- and manganese dioxide. Glas Hem dr 25/26 no.1/2:109-112 '61.

1. Faculty of Technology, Chemical-Technological Institute, Beograd.

(Hydrazine sulfate)

MANOJLOVIC, D.

Nuclear energy for peaceful purposes. p. 45.
(GLASNIK, No. 25/26, 1956

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

MANOJLOVIC, D.

TECHNOLOGY

MANOJLOVIC, D. Preparations for conquest of space. p. 33

Vol. 5, no. 6, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass

MIHAILOVIC, Miodrag, sanitetski potpukovnik, dr.; MANOJLOVIC, Dusan, sanitetski kapetan I klase, dr.

A case of renal block caused by a projectile during the war. Vojnosanit. pregl. 22 no.4:245-247 Ap'65.

1. Klinika za hirurske bolesti; Urolosko odeljenje, Vojnomedicinska akademija u Beogradu.

MANOJLOVIC, LJUBICA M.

MANOJLOVIC, L.M.

Crystal structure of cesium hexaiodotellurate. Ljubica M. Manojlović (Inst. Nuclear Sci., Belgrade), *Bull. Inst. Nucleaires Sci. "Boris Kidrich"* 6, 149-52 (1956).—The structure of Cs_2TeI_6 was detd. from x-ray powder photographs. It has a cubic, face-centered crystal lattice that belongs to space group O_h^5-$Fm3m$. The I atoms are placed in positions with parameter $x = 0.250$. The unit cell const. is equal to $a = 11.700 \pm 0.004$ A. with 4 mols. per unit cell. The x-ray-calcd. d. is 4.83. —N. E. Pickering.

COUNTRY : Yugoslavia

CATEGORY : Forage Crops. Fodder Grasses and Roots.

SOURCE : Agrobiologija, No. 5, 1959, No. 6472

AUTHOR : Marojlovich, Ljubishcha

TITLE : Several Problems in Raising Annual Leguminous Fodder Crops.

PERIODICAL : Poljoprivreda, 1957, 5 No.4, 12-15

ABSTRACT : It is recommended that one raise lentils, fodder peas and grass peavine in Yugoslavia among the annual leguminous fodder crops. The last has the least productive capacity. Sowing these crops boosts the productivity of wheat, following them as a crop, by 10-20%. The best results were gotten by planting legumes in winter sowings, around November. The production of local planting material in Yugoslavia has not been reliable, to date.

CARD : 1/1

MANOJLOVIC, LJUBICA M.

5

Unit cell and space group of ammonium hexabromotellurite. Ljubica M. Manojlovic. *Bull. Inst. Nuclear Sci. "Boris Kidrich"* (Belgrade) 7, 79-80(1957).—Crystals of $(NH_4)_2TeBr_6$ were obtained as orange-red octahedrons or combinations of cube and octahedron. Rotation, Weissenberg, and powder x-ray diffraction patterns were made. The unit cube edge, a, was 10.73 ± 0.02A. Sp. gr. (pycnometric) was 3.40; calcd. for a cell content of 4 formula units it was 3.49. The crystal class can be assigned from morphology and by analogy with other halogen tellurites. This leads to the assignment of the space group O_h^5-$Fm3m$ and the K_2PtCl_6 structure type. Twenty two lines of an unindexed x-ray powder diffraction pattern are tabulated.

A. Pabst

FM gr

MANOJLOVIC, LJUBICA M

7

X-ray data for uranyl disalicylate dihydrate. Ljubica M. Manojlovic. *Bull. Inst. Nuclear Sci. "Boris Kidrich"* (Belgrade) 8, 105-7(1958).—The light-yellow crystals of the dihydrate were prepd. by the method of Courtois (*C.A.* 18, 1110[6]). By pycnometric detns. in xylene their d. is 2.2 ± 0.1. Powder x-ray diffraction data obtained with Cu $K\alpha$ radiation are given for 50 spacings (d = 7.94 to 0.92A.). From crystal morphology (microscope) the dihydrate appears to have triclinic symmetry. From rotation and Weissenberg photographs unit-cell dimensions are: a = 6.49 ± 0.02, b = 7.87 ± 0.02, c = 9.00 ± 0.03A., α = 114° 34′ ± 43′, β = 97° 20′ ± 30′, γ = 95° 9′ ± 48′. With one mol. per unit cell the d. calcd. from the x-ray data is 2.377 ± 0.009. On the basis of crystal morphology and pos. pyroelec. effect, the possible space group is C_1-P1. O. T. Q.

Distr: 4E4j/4E3d/4E4c

MALCIC, Stjepan S.; MANOJLOVIC, Ljubica M.

Crystal structure of cesium uranyl nitrate. Bul Inst Nucl 11:135-139 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department of Physical Chemistry, Vinca.

HERAK, R.M.; MANOJLOVIC, Lj. M.; MALCIC, S.S.

An X-ray diffraction study of inorganic complexes $KHgBr_2 \cdot H_2O$ and $Na_5Zr_2F_{13}$. Bul Inst Nucl 14 no.1:21-25 Ja '63.

1. Department of Reactor Materials of the Boris Kidric Institute of Nuclear Sciences.

MANOJLOVIC, Mirko

Added equipment to lathes. Strojarstvo 5 no.3/4:20-21 '63.

MANOJLOVIC, P.

The inquiry method in social work. p. 38.
(Socijalna i zdravstevena pólitika, Vol. 10, No. 2/3, 1957, Beograd. Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc., Vol. 6, No. 8, Aug. 1957. Uncl.

MANOJLOVIC, P.

Construction plans for nurseries. p. 40.

Periodical: SOCIJALNA i ZDRAVSTEVENA POLITIKA. (Savet za narodno zdravlje Srbije) Beograd.

MEDICINE

Vol. 11, no. 12, 1958.

SO: Monthly List of East European Accessions (EEIA) LC

Vol. 8, No. 4
April 1959, Uncl.

MANOJLOVIC, Z.

Televisions in Austria. p. 67.
(Radioamater. Vol. 11, no. 3, Mar. 1957, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) LS, Vol. 6, no. 7, July 1957, Uncl.

MANOJLOVIC-BOKONJIC, Olga, dr

Rehabilitation of children in poliomyelitis. Med.glasn. 14 no.5a: 317-318 My '60.

1. Institut za fizikalu medicinu i rehabilitaciju Medicinskog fakulteta u Beogradu (Upravnik: prof. dr A.Rotovic)
(POLIOMYELITIS rehabil)

TOMIC, Bratislav, dots., dr; STEFANOVIC, Bozhidar, dots., dr; MANOJLOVIC-BOKONJIC, Olga, dr

Physical therapy of chronic sinusitis. Med. glas. 16 no.3:135-138 Mr '62.

1. Institut za fizikalnu meditsinu i rekhabilitatsiju Meditsinskog fakulteta u Beogradu (Upravnik: prof. dr A. Rotovic)

(SINUSITIS ther) (PHYSICAL THERAPY)

ACC NR: AP6033475 SOURCE CODE: UR/0413/66/000/018/0061/0061

INVENTOR: Novoderezhkin, V. V.; Kolobova, V. I.; Manoim, G. I.; Porshnyakova, Z. S.; Pucheglazova, I. I.; Izraileva, E. S.

ORG: none

TITLE: Method of producing positive electrodes of dry-charged lead-acid storage batteries. Class 21, No. 185989

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 61

TOPIC TAGS: storage battery, battery component, positive electrode, lead oxide, electrode design

ABSTRACT: An Author Certificate has been issued for a method of producing positive electrodes by pasting, drying, forming, neutralizing the acid, and hot-air drying them in multizone continuous-motion dryers. To simplify production technology, the acid is neutralized during the drying process by lead oxide contained in the active material. Drying takes place at a temperature up to 200C, with relative air humidity not over 30%, and with 5—6 m/sec air velocity for 15 to 20 min. Air temperature is then reduced to 100C—120C, and the process is maintained at this temperature for 5 to 7 minutes.

SUB CODE: 10/ SUBM DATE: 08May65/

Card 1/1 UDC: 621.3.035.23:66.047.3

Manok, Francisc

6

Solutions of decholin and dehydrocholic acid. Ludovic Fey and Francisc Mărok (Bolyai Univ., Cluj, Romania). *Acad. rep. populare Romîne Filiala, Cluj, Studii cercetări ştiinţ. 4*, No. 3/4, 69-75(1953).—The ionic product of dehydrocholic acid (I) was measured by conductometric and potentiometric methods at various temps. These measurements were substituted in the classical electrochem. equations to det. the min. pH and the max. excess acid, in the presence of which the Na dehydrocholate forms a stable soln. The equiv. cond. for infinite diln. of the dehydrocholation was detd. at various temps. Typical example for a satd. soln. of I at 25°: sp. cond. 1.55×10^{-4} mhos, $\Lambda_{R^-} = 16.1$, $\Lambda_{H^+} = 350.0$, $\Lambda_{RH} = 366.1$, equiv. concn. $= 4.04 \times 10^{-4}$, equil. const. 1.58×10^{-4}. Werner Jacobson

MANOK, F.

RUMANIA/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24852

Author : Kekedy, L., Manok, F., Aldu, I.

Inst : Rumanian Academy.

Title : Polarographic Determination of Bromine-Ion

Orig Pub : Studii si cercetari chim. Acad. RPR Fil. Cluj, 1956, 7, No 1-4, 61-67

Abstract : Br^- is oxidized to BrO on subjected to polarography with SrCl background. The solution being analyzed is evaporated to a small volume, 2-3 ml of NaClO solution (12 g NaOH 7 g Cl in 100 ml solution) and 2.5-3.75 ml 1 N CH COOH are added and the mixture is evaporated to dryness on a water bath. The residue is dissolved in 8 ml water, 2 ml of 0.5 N SrCl are added, and after

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RUMANIA/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24852

removal of O with a current of H the polarography is carried out. The BrO content is determined by means of a calibration graph which is plotted on the basis of results of polarographic determinations conducted with solutions of known content of KBrO , under the same conditions. 10-200 Br can be thus determined with an error of about 2%. Interfering I ions are removed beforehand by extraction with chloroform after oxidation, in the cold, with H O , to I (5 ml of solution being analyzed 1 ml 5% H O 1 ml 2 N HCl). After removal of I_2 the solution is made alkaline with 1.5 ml 2 N NaOH and the further procedure is as described above. When Br^- is determined in mineral water, 50-200 ml water are first evaporated to dryness and Br^- is extracted with alcohol (80 ml 96% C H OH 20 ml water).

Card 2/2

MANOL, Francisc; KOVACS, Cristina

Molybdenum determination by oxine amperometric titration.
Studia Univ B-B S. Chem 9 no. 1:85-88 '64.

MANOK, Milodar, dr.

Titer of the vitamin A in the blood serum in keratoses. Med.pregl., Novi Sad 7 no.5:366-368 1954.

1. Dermato-venerologska klinika Med. fakulteta - Beograd, upravnik prof. dr. Sima Ilic.

(VITAMIN A, in blood
in keratosis)
(KERATOSIS, blood in
vitamin A)
(BLOOD
vitamin A in keratosis)

MANOK, M.

The treatment of Darier's disease with vitamin A. Srpski arh. celok. lek. 83 no.9:1008-1011 Sept 55.

1. Dermatoveneroloska klinika Medicinskog fakulteta u Beogradu. Upravnik: Sima Ilic.

(KERATOSIS FOLLICULARIS, ther.
vitamin A & ultraviolet rays (Ser))
(VITAMIN A, ther. use,
keratosis follicularis (Ser))
(ULTRAVIOLET RAYS, ther. use,
same)

MANOK, Milorad

Pityriasis rubra pilaris. Srpski arh. celok. lek. 85 no.6:677-687 June 57.

1. Dermatoloska klinika Medicinskog fakulteta u Beogradu. Upravnik; prof. dr. Sima Ilic.
(PITYRIASIS RUBRA PILARIS
(Ser))

MILOSEVIC, Milorad, prof., dr.; VASOJEVIC, Stevan; MANOK, Milorad; GROZA, Aleksandar

A case of a syndrome of exudative erythema multiforme (Stevens-Johnson syndrome). Srpski arh. celok. lek. 89 no.4:471-475 Ap '61.

1. Infektivna klinika Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr. Milorad Milosevic. Dermatoveneroloska klinika Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Sima Ilic.

(ERYTHEMA MULTIFORME case reports)

MANOK, Milorad

Facial chancriform pyoderma of Hoffmann. Srpski arh. celok. lek. 89 no.4:491-494 Ap '61.

1. Dermatoveneroloska klinika Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Sima Ilic.

(PYODERMA case reports) (FACE dis)

MANOK, [illegible]; [illegible] PERIO[illegible]

[illegible]

[illegible]

ZARECHNYY, V.F. [Zariechnyi, V.F.]; BARATNOV, T.L.; MANOKHA, I.Ye. [Manokha, I.IE.]

Device for registering the approximate electric power consumption by industrial electrolyzers. Elektr. prom. [Ukr.] no.2 65-66 Apr-Je '65. (MIRA 18:6)

DEMCHENKO, K.V.; MANOKHA, Ye.Ya.

Automatic control of the manufacture of finished blanks from hardwoods. Der.prom. 10 no.1:7-8 Ja '61. (MIRA 14:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny.
(Woodworking) (Automatic control)

MANOKHA, Ye.Ya.

Profile grinding machine for parts with rectangular cross section. Der.prom. 11 no.2:25 F '62. (MIRA 15:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny.

(Grinding machines)

MANOKHIN, A.

Improve accounting in the fishing industry. Bukhg.uchet 16 no.2:27-28 F '56. (MLRA 10:2)

(Fisheries--Accounting)

MANOKHIN, A.A.

Leading collective. Avtom., telem. i sviaz' 5 no.11:38 N '61. (MIRA 14:11)

1. Nachal'nik tekhnicheskogo otdela sluzhby signalizatsii i svyazi Ashkhabadskoy dorogi, vneshtatnyy korrespondent zhurnala "Avtomatika, telemekhanika i svyaz'".

(Railroads--Employees)

CHARDYMOV, I.Ya.; MANOKHIN, A.A.

Improve the quality in manufacturing semiautomatic block apparatus for the BPLTs system. Avtom., telem.i sviaz' 6 no.1:36 Ja '62. (MIRA 15:3)

1. Zamestitel' nachal'nika Kotovskoy distantsii signalizatsii i svyazi Odesskoy dorogi (for Chardymov). 2. Nachal'nik otdela signalizatsii, tsentralizatsii i blokirovki sluzhby signalizatsii i svyazi Ashkhabadskoy dorogi, vneshtatnyy korrespondent zhurnala "Avtomatika, telemekhanika i svyaz'" (for Manokhin).

(Railroads—Signaling—Block system)

MANOKHIN, A.I.; LAPOTYSHKIN, N.M.

Microheterogeneity and the quality of continuous ingots. Stal' 25 no.10:894-897 O '65. (MIRA 18:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni I.P. Bardina.

MANOKHIN, B.M.

Disinfection of mashing equipment. Spirt. prom. 23 no.4:41-42 '57. (MLRA 10:5)

1. Michurinskiy spirtovoy zavod.
(Distilling industries--Equipment and supplies)
(Disinfection and disinfectants)

SOV/123-59-15-61177

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 15, p 319 (USSR)

AUTHOR: Manokhin, D.G.

TITLE: Temperature Stresses in Thin-Walled Structures

PERIODICAL: Tr. Kazansk. aviats. in-ta, 1958, Vol 43, pp 43 - 53

ABSTRACT: A method is shown for the calculation of temperature stresses in thin-walled cylindrical beams (simulating wings or the empennage of aircraft) of constant cross-section, consisting of a thin covering reinforced by lengthwise adjusted rigid elements (stringers, beam flanges) and cross-wise by ribs, transverse girders or diaphragms. An example of determining the axial forces and the shear forces for round cylinders and prismatic beams, which are made of aluminum alloy of D16T grade and one end of which is fixed while the other is free, is investigated. The temperature of the individual stringers of the cylinder and the beam varies from 0 to 120°C.

E.I.I.

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S/147/60/000/003/017/018
E031/E420

26.2135

AUTHOR: Manokhin, D.G.

TITLE: The Approximate Determination of the Temperature Stresses in Thin-Walled Structures

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1960, No.3, pp.124-134

TEXT: Consider a thin-walled cylindrical beam of inhomogeneous material of constant cross-section, consisting of a thin shell and a longitudinal and transverse frame. It is assumed that the transverse sections retain their shape in deforming, that the axial forces are taken by the longitudinal ribs and the planes of the shell attached to them, and that the shears are taken by the shell. It is assumed that the temperature field is given. The temperature is constant through the thickness of the structure and changes along the contour of a section. The general solution of the problem of determining the temperature stresses in a structure of the above type with an arbitrary temperature distribution has been found in Ref.1 in the form of a set of differential equations for the buckling. In the integration of this set there arise insurmountable difficulties when the number of longitudinal ribs is

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S/147/60/000/003/017/018
E031/E420

The Approximate Determination of the Temperature Stresses in Thin-Walled Structures

not small, and hence an approximate method must be derived. In the present case the choice of temperature field effects a simplification in the equations and a method of integration in normal coordinates, proposed by Odinokov, is used. This seeks the solution for the unknown displacements f_i as the sum of a series of terms of the form

$d_i^{(\eta)}\psi^{(\eta)}(z)$, where $\psi^{(\eta)}(z) = \sum b_i^{(\eta)} E F_i f_i$

(E is the modulus of elasticity and F_i is the area of the i-th rib and its attached shell), where the $b_i^{(\eta)}$ are coefficients which reduce the differential equations to the normal form, and the $d_i^{(\eta)}$ are factors obtained in solving the expression for $\psi^{(\eta)}(z)$ for the f_i. The general solution of the differential equation for $\psi^{(\eta)}(z)$ is given and the constants of integration evaluated from the boundary conditions. Thus the displacements are known and the forces and stresses on any rib can be determined. Simple expressions are thus obtained for the forces or stresses in

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E031/E420

The Approximate Determination of the Temperature Stresses in Thin-Walled Structures

longitudinal ribs far from a free boundary. To take into account the effect of a free edge, we apply a force $\overline{P}_i = \xi(z)P_{oi}$ where P_{oi} is the force already determined, and determine the function $\xi(z)$ from the condition of minimum potential energy. A generalization is considered where the temperature varies from section to section, in addition to varying round the contour of the section. Two problems illustrate the theory. The first is that of a circular cylinder one end of which is fixed and the other end is free. The cylinder is made of one material. The temperature is given at 13 points round a section with $t_1 = t_2 = \ldots = t_8 = 0$, and the remaining values non-zero. The second example is that of a rectangular box with one fixed and one free end. The temperature is given at 13 points round a section with $t_4 = t_5 = \ldots = t_{12} = 0$, and the remaining values non-zero. In the first example comparison with exact answers shows the approximate method to give fair accuracy and, in the second case, the approximate method gives acceptable results. There are

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E031 /E420

The Approximate Determination of the Temperature Stresses in Thin-Walled Structures

4 figures and 3 tables and 2 Soviet references.

ASSOCIATION: Kazanskiy aviatsionnyy institut Kafedra konstruktsiy i proyektirovaniya samoletov (Kazan Aviation Institute Chair for Construction and Planning of Aircraft)

SUBMITTED: February 2, 1960

Card 4/4

MANOKHIN, G. (g. Tyumen')

Justified confidence. Voen.znan. 32 no.1:8 Ja '56. (MLRA 9:5)
(Military education)

ZIYADULLAYEV, S.; MANOKHIN, I.

[Socialist industry in Soviet Uzbekistan; on the 25th anniversary of the formation of the Uzbek S.S.R.] Sotsialisticheskaia promyshlennost' Sovetskogo Uzbekistana; k 25-letiiu obrazovaniia Uzbekskoi SSR. Tashkent, Gos.izd-vo UzSSR, 1949. 151 p. (MIRA 13:2)

(Uzbekistan--Industries)

1. YABELOV, N.; MANOKHIN, M.

2. USSR (600)

4. Landscape Architecture - Podol'sk

7. From the experience in landscaping the city of Podol'sk, Zhil. -kom. khoz. 2 No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953. Uncl.

MANOKHIN, Mitrofan Ivanovich

[Fundamentals of agricultural statistics] Osnovy sel'skokhozialstvennoi statistiki. Moskva, Statistika, 1964. 143 p. (MIRA 18:1)

BESSER, M.R.; MANOKHIN, N.A.

Measuring the roughness of internal surfaces with the MIS-11 microscope. Izm.tekh. no.10:14-15 O '61. (MIRA 14:11)
(Microscope)

MANOKHIN, P.A.; STAVITSKIY, I.M.

Round-key sectional broach. Mashinostroenie no.2:110 Mr-Ap '62. (MIRA 15:4)

(Broaching machines)

KRASULINA, V. T., MANOKHIN, P. A.

Viticulture

Loosening soils in vineyards with chisel (cultivator). Vin SSSR 12 no. 1. 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1953, 2Uncl.

MANOKHIN, P. A. Cand Agr Sci -- (diss) "Principal Problems of the Agrotechnology of the Cultivation of Vine Stock in Under Conditions of the Southern Zone of Sheltered Viniculture in the RSFSR." Voronezh, 1957. 16 pp 20 cm. (Min of Higher Education USSR, Voronezh Agricultural Inst), 110 copies (KL, 26-57, 110)

MANDKHIN, P.A.

[illegible]

AUTHOR : Mandkhin, P.A.

TITLE : [illegible]

SOURC. PUBL. : [illegible]

ABSTRACT : [illegible]

CARD : 1/1

USSR

CULTIVATED PLANTS FRUITS. Berries.

REF ZHUR BIOL., 21 1958, No 86151

Manokhin, T.A.

Sol. Res. Inst. of Viticulture and Wine-Making

The Role of Hydrothermal Conditions on the Rooting of Cuttings and the Development of Seedlings

Sympl. nauchno-tekhn. inform. N.-i. in-ta vinogradarstva i vinodeliya, 1957, No. 1, 10-11

Abstract: A study of the effect of heat and moisture on the growth and development of grape cuttings was made under the conditions found in Rostovskaya and Kamenskaya Oblasts. In the southern slope and plateau the output of grape seedlings of the Pukhlyakovskaya variety comprised about 76%, while at the foot of the ravine and in the river floodlands it was 40%. Similar data were obtained from other varieties as well. For the growth of the seedlings it is essential to provide 3-4 irrigations, when planting 400

Card: 1/3

Country : M

Category : CULTIVATED PLANTS. FRUITS

Abs. Jour. : REF ZHUR-BIOL.,21,1958,NO-96151

Author :

Institution :

Title :

Orig. Pub. :

Abstract : to 500 cubic meters per hectare and in the summer 2-3 times with 300-600 m³/ha, each time. The close water tables (1.5-2 m) a late commencement of growth was noted in the plants, poor adaptability in the cuttings, unsatisfactory maturation of the shoots and a low percentage of economically valuable seedling output (about 20%). The best seed pits might be on chernozem-like loams and light loam soil located on the southern steppe slopes or on the steppe lands of the plateau.

Card: 2/3

Country : M

Category : CULTIVATED PLANTS FRUITS

Abs. Jour. : REF ZHUR-BIOL ,21 1958,N0-90151

Author :
Institut. :
Title :

Orig. Jun. :

Abstract : It is important that these plots be well protected from north-eastern windflows and properly warmed. --Ye.V. Volosnikov.

Card : 3/3

POTAPENKO, Ya.I.; LUK'YANOV, A.D.; LAZAREVSKIY, M.A.; DYUZHEV, P.K.; ZAKHAROVA, Ye.I.; KOVALEV, A.A.; RUZAYEV, K.S.; NECHAYEV, L.N.; BASAN'KO, A.A.; MASHINSKAYA, L.P.; ALIYEV, A.M.; MANOKHIN, P.A.; LITVINOV, P.I.; KOROTKOVA, P.I.; ZAYTSEVA, Yu.F.; GRAMOTENKO, P.M.; TAIROVA, V.N., red.; PROKOF'YEVA, L.N., tekhn.red.

[Viticulture] Vinogradarstvo. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 612 p. (MIRA 14:1)

(Viticulture)

BARD, Peys Ayzikovich; GANAY, Galina Nikiforovna; TUPIKIN, Georgiy Ivanovich; MANOKHIN, V., red.

[Chemistry in industry] Khimiia - proizvodstvu. Barnaul, Altaiskoe knizhnoe izd-vo, 1965. 75 p. (MIRA 19:1)

[illegible], V.I.; [illegible], [illegible].

Fastening of lines with [illegible]. [illegible]
15 [illegible].

.. Tamestite.' na [illegible] Pe.'[illegible]
dorogi [illegible]. [illegible] by [illegible]
Kishinevskoy dorogi [illegible] [illegible].

PHASE I BOOK EXPLOITATION SOV/4994

Manokhin, Vladimir Nikolayevich (Deceased)

Televideniye v voyennykh tselyakh (Television in Military Uses) Moscow, Izd-vo DOSAAF, 1960. 91 p. 29,000 copies printed.

Ed.: N. M. Uspenskiy; Tech. Ed.: F. Ya. Faynshmidt.

PURPOSE: This booklet is intended for the general reader possessing a basic technical education.

COVERAGE: The booklet deals with fundamentals of television and principles of construction of military television systems, which receive the attention of foreign specialists. According to the Annotation and the Introduction these data were collected from foreign publications such as the "Journal of SMPTE", "RCA Review", "Electronics", "Signal", "Proceedings of IRE" and others. In these periodicals one finds more and more often articles which present the principles and special features of television

Card ~~1/4~~

equipment and describe the portable television sets of special designation to be used by land armies, the air force and the navy. The author states that, in contrast to foreign countries, the development of television in the Soviet Union is directed first of all towards peaceful aims in the interest of the national economy. In this field, he says, Soviet television has attained important results. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

MANOKHIN, V. N.

"Remarks concerning 'The Program of Skin and Venereal Diseases for Faculties of Medical Institutes'."

SO: Vest. Venerol. i Dermatol., No. 3, 1949.

FEDOROVSKIY, A.N.; MANOKHIN, V.N.

Case of possible absence of syphilitic infection in one of the twins born of a syphilitic mother. Vest.ven.i derm. no.2:58 Mr-Ap '53. (MLRA 6:5)

1. Klinika koshnykh i venericheskikh bolezney Chelyabinskogo meditsinskogo instituta. (Syphilis)

FEDOROVSKIY, A.N., professor (Chelyabinsk); MANOKHIN, V.N. (Chelyabinsk).

Singular case of indurative edema. Vest.ven.i derm. no.5:54-55 S-O '53. (MLRA 6:12)

(Tumors) (Syphilis)

MANOKHIN, Yu.V., inzh. po ratsionalizatsii

Beacon of production. Neftianik 8 no.2:8-9 F '63. (MIRA 16:10)

1. Neftepromyslovoye upravleniye Al'keyevneft'.

MIKHAYLOVA, R.S.; FILIMONOVA, Yu.A.; MANOKHINA, K.T.

Relations of the plague microbe to lactose. Zhur. mikrobiol. epid. i immun, 40 no.1:123-127'63. (MIRA 16:10)

1. Iz Protivochumnogo instituta Kavkaza i Zakavkaz'ya, Stavropol'.

*

LYUKIMSON, M.I.; KOZEL', V.Ye.; MANOKHINA, K.V.

Purification of feed water. Koks i khim. no.3:52-54 '63. (MIRA 16:3)

1. Zhdanovskiy koksokhimicheskiy zavod.
(Feed water purification)

MANORHINA, L. A.

"Biological and Economic Characteristics of Couch Grass Hay Cutting and Methods of Improving It Under Conditions of Estuary Irrigation." Cand Agr Sci, Leningrad Agricultural Inst, Min Higher Education, Pushkin, 1954 . (KL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No. 598, 29 Jul 55

MANOKHINA, L.D.; AKIMTSEVA, Z.S.

Effect of snow or flood water irrigation on natural vegetation in the semi-desert of the northern Caspian Sea Region. Bot.zhur. 38 no.3:421-426 '53. (MLRA 6:6)

1. Kompleksnaya ekspeditsiya Akademii Nauk SSSR, Moscow.
(Caspian Sea Region - Irrigation) (Caspian Sea Region - Botany)

IVANOV, S.K., glavnyy metodist pavil'ona; MANOKHINA, L.I., starshiy ekskursovod pavil'ona.

"Stockbreeding" pavilion. Est. v shkole no.1:76-85 Ja-F '55. (Stock and stockbreeding) (MLRA 8:3)

Tumenova, N. A.

Dissertation: "Use of 2,4-D and Other Herbicides for the Fight Against Basic Perennial Weeds of the Nonchernozem Belt." Cand Ag Sci, All-Union Sci Res Inst of Fertilizers, Agricultural Engineering and Agricultural Soil Science, 20 May 54. Vecherniaya Moskva, Moscow, 11 May 54.

SO: SUM 284, 26 Nov 1954

MANOLACHE, C.

MANOLACHE, C.; ROTARU, T.

"The execution of a curve in practice." p. 22 (Aviatia Sportiva, Vol. 4, No. 7, July 1953, Bucuresti).

SO: Monthly List of East European Accessions, Vol.3 No.2 Library of Congress Feb 54 Uncl

MANOLACHE, C.

Co

3

Phenomena of cumulation of toxic gases with insects. I. Lethal doses of ethylene oxide and chloropicrin with Cimex lectularius. Dimitrie A. Isăcescu and Constantin Manolache. *Bul. Soc. Chim. Romania* 18A, 183-9(1936). —Insects exposed to ethylene oxide in concns. greater than 30 mg./l. invariably die, but death may occur soon or within 10 days. The greater the concn., the earlier death ensues but there is always a certain retardation. If allowance is made for this retard, the Haber formula for the action of war gases applies. The lethal concn. of chloropicrin is 1 mg./l. of air in 740 min.; with a concn. of 9 mg./l. the time is 67 min. From the curve of mortality as a function of concn. X time, it is concluded that ethylene oxide is as toxic to the insects as phosgene is for human subjects.

O. W. Willcox

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION