PETRENKO, YE F.

AID P - 3679

Subject : USSR/Aeronautics

Card 1/1 Pub. 135 - 6/22

Author : Dozhdikov, G. P., Lt. Col. and Petrenko, Ye. F. Maj. Pilot Class II and Pilot Class I

Title : Special features of piloting bomber aircraft at night

Periodical : Vest. vozd. flota, 1, 23-26, Ja 1956

Abstract : The authors analyze piloting at night from the take-off to landing. In particular, they are concerned with the visibility of instruments, the use of landing lights and the visual determination of the situation of the aircraft.

Institution: None

Submitted : No date

PETRENKO, YE. I.

112-3-5793

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3, p. 106 (USSR)

AUTHOR: Petrenko, Ye. I.

TITLE: An Approximate Analytical Method for Computing the Operation of Induction Motors (Priblizhennyy analiticheskiy metod rascheta raboty asinkhronykh mashin)

PERIODICAL: Tr. Kiyevsk. tekhnol. in-ta pishch. prom-sti, 1956, V.2, pp. 43-49

ABSTRACT: Bibliographic entry.

ASSOCIATION: Kiyev Food Technology Institute (Kiyevsk. tekhnol. in-t pishch. prom-sti)

Card 1/1

PETRENKO, Ye.S. (Krasnoyarsk)

Awakening of the Yakutian taiga. Priroda 51 no.5:125 My '62. (MIRA 15:5)

(Yakutia--Spring)

PETRENKO, Ye.S.

Problems in forest protection. Zashch. rast. ot vred. i bol. 7 no.9:59 S '62. (MIRA 16:8)

1. Institut lesa i drevesiny Sibirskogo otdeleniya AN SSSR.
(Siberia—Forest protection—Congresses)

3(3) SOV/26-59-5-44/47

AUTHOR: Petrenko, Ye.S.

TITLE: Spring in the Forest Reservations of West Kazakhstan.

PERIODICAL: Priroda, 1959, Nr 5, p 126 (USSR)

ABSTRACT: The author describes the awakening of life in the spring in the forest reservations in the former steppes of Western Kazakhstan.

ASSOCIATION: Uralskiy nauchnoye Institutu lesa AN SSSR (The Ural Research Institute of the Forestry Institute of the Academy of Sciences of the USSR)

Card 1/1

PETRENKO, Ye.S.

Shelterbelts of western Kazakhstan. Priroda 48 no.5:126 My '59.
(MIRA 12:5)

1.Ural'skiy statsionar Instituta lesa AN SSSR.
(Kazakhstan--Windbreaks, Shelterbelts, etc.)

BATSENKO, A.A.; MILYUTIN, L.I.; PETRENKO, Ye.S.; PRUKLIS, M.V.

Dynamics of the seasonal height growth of larches in various regions of Eastern Siberia. Bot.zhur. 49 no.11:1629-1632 N '64.
(MIRA 18:1)

1. Institut lesa i drevesiny Sibirskogo otdeleniya AN SSSR.

PETRENKO, Ye.S.

"Witches'-brooms" in the pine strip forests of Kazakhstan. Bot. zhur. 45 no.10:1540-1542 O '60. (MIRA 13:11)

1. Institut lesa i drevesiny Sibirskogo otdeleniya Akademii nauk SSSR, Krasnoyarsk.
(Kazakhstan--Pine--Diseases and pests)
(Witches'-broom disease)

GAYEL', A.G.; PETRENKO, Ye.S.

Growth of pine on dunes of the Irtysh Valley. Nauch.dokl.vys. shkoly; biol.nauki no.1:202-209 '59. (MIRA 12:5)

1. Rekomendovana kafedroy fiziki i melioratsii pochv Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(IRTYSH VALLEY--PINE)

PETRENKO, Ye.S.

Characteristics of seasonal development of forest pests in central Yakutia. Vop. ekol. 7:133 '62. (MIRA 16:5)

1. Institut lesa i drevesiny Sibirskogo otdeleniya AN SSSR, Krasnoyarsk.
(Yakutia--Forest insects) (Insects--Development)

PETRENKO, Ye.S.

Characteristics of flowering in the Kulunda pine. Bot. zhur. 46 no.9:1336-1337 S '61. (MIRA 14:9)

1. Institut lesa i drevesiny Sibirskogo otdeleniya AN SSSR, g. Krasnoyarsk.
(Kazakhstan--Pine) (Plants, Flowering of)

PETRENKO, [illegible]; ROZHKOV, A.S., otv. red.;
PETROVA, D.V., red.

[Forest insect pests of Yakutia] Nasekomye - vrediteli lesov IAkutii. Moskva, Nauka, 1965. 165 p.
(MIRA 18:7)

OSTROVSKIY, Semen Moiseyevich; PETRENKO, Yevgeniy Vasil'yevich; KORNEV, Veniamin Grigor'yevich; BOYKO, A.A., retsenzent; BELOSVETOV, ..V., red.; VYSOCHIN, Ye.M., red.; DVOYNIN, A.I., red.; DENISENKO, A.I., red.; LOKSHIN, B.S., red.; MARSHAK, I.S., red.; MAYEROV, R.Ya., red.; NEKRASOVSKIY, Ya.E., red.; RATUSHNYY, A.A., red.; RIPP, M.G., red.

[Handbook for Donets Basin miners] Spravochnik shakhtera Donbassa. Moskva, Izd-vo "Nedra," 1964. 411 p. (MIRA 17:7)

BELYAKOV, P.K., gornyy inzh.; LARCHENKO, M.B., gornyy inzh.; SHAPOVAL, N.A., gornyy inzh.; PETRENKO, Ye.V., kand.tekhn.nauk

Controlling roofs by complete caving with mechanized knocking-out of supports. Ugol' Ukr. 7 no.6:14-15 Je '63. (MIRA 16:8)

1. Artemovskiy ugol'nyy kombinat.

CHEBANOV, V.I.; PETRENKO, Ye.V.

Present state and prospects of the mechanization of stoping operations in steeply dipping seams. Ugol' 37 no.9:30-33 S '62. (MIRA 15:9)

1. Artemovskiy ugol'nyy kombinat.
(Donets Basin--Stoping (Mining))
(Coal mining machinery)

ANTIPOV, V.A.; PETRENKO, Ye.V., kand. tekhn.nauk

Rapid drifting with a broad entry. Ugol'. prom. no.6:21-23 N-D '62. (MIRA 16:2)

1. Glavnyy inzh. shakhterskogo tresta ugol'nykh predpriyatiy kombinata Rostovugol' Ministerstva ugol'noy promyshlennosti SSSR (for Antipov).
2. Zamestitel' glavnogo inzhenera Artemovskogo ugol'nogo kombinata (for Petrenko).

(Coal mines and mining)

YAYTSOV, I.I., brigadir; PAVLENKO, I.Ya.; ANTIPOV, V.A.; PETRENKO, Ye.V., kand.tekhn.nauk; RUSIN, D.A., inzh.

Produced 28,082 tons of coal in one month with the "Donbass-1" cutter loader. Ugol' Ukr. 6 no.11:9-10 N '62. (MIRA 15:12)

1. Upravlyayushchiy Shakhterskim trestom ugol'nykh predpriyatiy kombinata Rostovugol' Ministerstva ugol'noy promyshlennosti SSSR (for Pavlenko). 2. Glavnyy inzh. Shakhterskogo tresta ugol'nykh predpriyatiy kombinata Rostovugol' Ministerstva ugol'noy promyshlennosti SSSR (for Antipov). 3. Zamestitel' glavnogo inzhenera Artemovskogo ugol'nogo kombinata (for Petrenko).
(Donets Basin—Coal mines and mining)

PETRENKO, Ye.V., kand.tekhn.nauk

Underground transportation in sections with contiguous seams.
Ugol' Ukr. 6 no.6:23 Je '62. (MIRA 15:7)
(Mine haulage)

PETRENKO, Ye.V., kand.tekhn.nauk

In defense of the use of rope guides in mine vertical shafts. Shakht.stroi. 6 no.9:21-22 S '62. (MIRA 15:9)

1. Zamestitel' glavnogo inzhenera Artemovskogo ugol'nogo kombinata.

(Mine hoisting)

OSTROVSKIY, S.M., gornyy insh., Laureat Stalinskoy premii; PETRENKO, Ye.V., kand.tekhn.nauk

Mines in the central part of the Donets Basin need multiple rope hoists with rope guides. Ugol' Ukr. 4 no.4:32-34 Ap '60. (MIRA 13:8)

(Donets Basin--Mine hoisting)

PETRENKO, Ye.V., kand.tekhn.nauk

Fields of use for the UVK-type sawing machines. Ugol' 35 no.6: 15-16 Je '60. (MIRA 13:7)

1. Zamestitel' glavnogo inzhenera shakhty No.4-5 "Nikitovka."
(Coal mining machinery)

PETRENKO, Ye.V., kand. tekhn. nauk

Timbering of ventilation entries in mining steep coal seams.
Ugol' Ukr. 3 no.7:32-33 Jl '59. (MIRA 12:11)

1.Shakhta No.4/5 "Nikitovka".
(Mine timbering)

PETROVSKIY, Ye.V., kand.tekhn.nauk

Ukr-r UKB-2 plows in Artemugol' Combine mines. Ugol' Ukr. [illegible] no. 10:[illegible] O '63. (MIRA [illegible])

1. Kombinat Artemugol'.

PYCHENKO, Ye. V., Cand Tech Sci — (diss) " Establishment of a national scheme of preparation of low ~~areas~~ grade of active mines of the Central ~~region~~ region of the Donbass." Dnepropetrovsk, 1958. 16 pp (Min of Higher Education USSR. Dnepropetrovsk Ord of Labor Red Banner Mining Inst im Artem. Chair of ~~Development~~ Working of Placer Deposits), 100 copies (KL, 2-58, 120)

-56-

NEKRASOVSKIY, Yakov El'konovich; PETRENKO, Yevgeniy Vasil'yevich; CHARCHENKO, A.F., otv.red.; SHUSHKOVSKAYA, Ye.L., red.izd-va; LOMILINA, L.N., tekhn.red.

[Baring and developing of thin and medium thick steep seams] Vskrytie i podgotovka tonkikh i srednei moshchnosti krutykh plastov. Moskva, Ugletekhizdat, 1959. 291 p. (MIRA 12:11)
(Mining engineering) (Coal mines and mining)

KALACHENKOV, I.Ya.; [illegible], Ye.K.

Use of electric power in coal mines of the Donets Basin central region. Ugol' 40 no.11:9-10 '65. (MIRA 18:11)

1. Dneprovskiy gosudarstvennyy institut po proyektirovaniyu shakhtnykh usanovok.

YAKZHIN, Aleksandr Andreyevich; KUZ'MENKO, V.I., retsenzent; red.; DANIL'YANETS, A.A.; retsenzent; ZONTOV, N.S., retsenzent; PETRENKO, Ye.Ye., retsenzent; FEDOTOVA, A.I., red.izd-va; GUROVA, O.A., tekhn.red.

[Prospecting for uranium deposits] Poiski i razvedka uranovykh mestorozhdenii. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1961. 479 p. (MIRA 14:4)
(Uranium ores)

PETRENKO, Yu., zhurnalist (Kiyev)

"AN-24." Nauka i zhyttia 12 no.7:17 Jl '62. (MIRA 16:1)
(Ukraine--Airplanes--Design and construction)

L 15165-63 EWP(j)/EPF(c)/EWP(k)/EWT(1)/EWT(m)/BDS AFFTC/ASD Pc-4/
Pr-4/Pf-4 RM/WW

ACCESSION NR: AR3003348 S/0058/63/000/005/E067/E067

13

SOURCE: RZh. Fizika, Abs. 5Zh400

AUTHOR: Petrenko, Yu. A.; Tkach, V.

[redacted]

TITLE: Concerning the determination of the molecular weights of some pure liquids by the ultrasonic interferometer method

CITED SOURCE: Uch. zap. Khar'kovsk. un-t, v. 127, 1962, Tr. Radiofiz. fak., v. 6, 105-108

TOPIC TAGS: molecular weight, ultrasound, 1-olefin, acetylene derivative, saturated hydrocarbon, iodide alkyl, fatty acid, sound velocity

TRANSLATION: An expression which does not contain the refractive index, but only the velocity of sound and the density, is derived for the molecular weight. To check this expression, the velocity of ultrasound is measured by the interferometer method in 1-olefins, derivatives of acetylene, saturated hydrocarbons, iodide alkyls, and fatty acids. The values of the molecular weight calculated from these velocities were in satisfactory agreement with the theoretical values. The results are presented in the form of tables.

Card 1/2

PETRENKO, Yu.A.

Design of a vibrating conveyor. Sbor. trud. VNIITSVETMET no.4: 185-214 '59. (MIRA 16:8)

(Conveying machinery)

L 16179-63 EWP(k)/EWT(1)/BDS AFFTC/ASD Pf-4

ACCESSION NR: AR3005185 B/0058/63/000/006/E056/E057

SOURCE: RZh. Fizika, Abs. 6Zh354

60

AUTHOR: Denisenko, V. I.; Petrenko, Yu. A.

TITLE: Automatic apparatus for measurement of propagation velocity of ultrasonic oscillations by the ultra-acoustic interferometer method

CITED SOURCE: Uch. zap. Khar'kovsk. un-t, v. 127, 1962, Tr. Radiofiz. fak., v. 6,109-111

TOPIC TAGS: ultrasonics, sound velocity measurement, ultraacoustic interferometer, automatic measurement

TRANSLATION: One of the most accurate (to 0.05--0.1%) methods of measuring the velocity of ultrasound is with the aid of an interferometer, but it is very laborious and time-consuming. An electronic circuit, consisting of an ultrasound generator, tuned amplifier, and detector is proposed for automatization of this process. This circuit, together with the PS-20 scaler, makes it possible to count the number of maxima of the anode current in the generator circuit as the interferometer plunger is moved. The generator frequency is 2830 kcs, the travel of

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L 16179-63

ACCESSION NR: AR3005185 0

the plunger 36.7 mm, the number of pulses read during one travel is up to 140, the working volume of the thermostated chamber is up to 70 cm^3, and the measurement accuracy is 0.2%.

I. Kanevskiy.

DATE ACQ: 15Jul63 SUB CODE: PH, SD ENCL: 00

Card 2/2

PETRENKO, Yu. D.

Dissertation: "Effect of Calcium Fertilizers and Liming Under Acid-Podzolic Soil Conditions of the Moscow Oblast on the Physiological Processes and Yield of Potatoes and Cabbage." Cand Biol Sci, Moscow Oblast Pedagogical Inst, 22 Apr 54. (Vechernyaya Moskva, Moscow, 12 Apr 54)

SO: SUM 243, 19 Oct 1954

L 51380-65 EWT(d)/EED-2/EWP(1) Pq-4/Pg-4/Pk-4 IJP(c) BB/GG

ACCESSION NR: AP5010892 UR/0286/65/000/007/0078/0079

AUTHORS: Petrenko, Z. G.; Zelenskaya, N. V.; Dennenburg, V. L. 31 B

TITLE: Cathode-ray oscilloscope storage tube, Class 21, No. 169702 25

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 78-79

TOPIC TAGS: cathode ray tube

ABSTRACT: This Author Certificate presents a cathode-ray oscilloscope storage tube. To increase the recording rate with a large reproduction time of the image in the tube, an additional mesh target, an additional distribution cathode, and an electron image transfer section are placed between the deflecting system and the target with bistable recording mode (see Fig. 1 on the Enclosure). Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 03Nov62 ENCL: 01 SUB CODE: EC

NO REF SOV: 000 OTHER: 000

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L 51380-65

ACCESSION NR: AP5010892

ENCLOSURE: 01

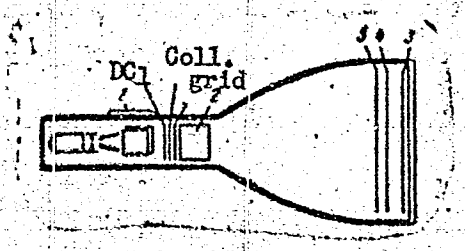

Fig. 1.

Cathode-ray oscilloscope storage tube
1- deflecting target; 2- image transfer section; 3- target with bistable mode; 4- mesh target; 5- distribution cathode

Card 2/2

PETRENKO, Z.G. [Petrenko, Z.H.]

Problem of the management of labor with a dead fetus.
Ped.,akush. i gin. 25 no.2:57-59'63. (MIRA 16:9)

1. Kafedra akusherstva i ginekologii (zav. - prof. F.O. Peterburz'kiy [Peterburz'kyi,F.O.]) Sverdlovskogo medichnogo institutu (rektor - prof. A.F.Zverev [Zveriev, A.F.]).
(STILLBIRTH)

PETRENKO-KRITCHENKO, P. I.

"The Law of Periodicity," Zhur. Obshch. Khim., 10, No. 14, 1940. Received 12 July ~~1952~~. 1940.

Report U-1610, 3 Jan. 1952.

1ST AND 2ND CODES

PROCESSES AND PROPERTIES INDEX

The law of permanency. P. Petrenko-Kritchenko. *Compt. rend. acad. sci. U. R. S. S.* 18, 95-6(1938)(in German).—Polemic. Cf. Hantzsch and Burawoy, *C. A.* 29, 3129[9]. E. O. Wilg

3RD AND 4TH CODES

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

1ST AND 2ND ORDERS

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CA

PROCESSES AND PROPERTIES INDEX

The periodic system of the elements. VIII. P. Petrenko-Kritchenko. *J. Gen. Chem.* (U. S. S. R.) 3, 847-9(1933); cf. *C. A.* 28, 1989[illegible]. — The heats of formation of compds. of the alkali metals and of the alk. earth metals with O, S fr and the halogens were studied. The following periodic generalizations are deducible: for compds. with O, S and F, K < Ca, Rb < Sr, Cs < Ba. For compds. with Cl, Br, I and Se, K > Ca, Rb > Sr, Cs > Ba. Within each metallic group the relations are: for compds. with O, S and F, Na > K > Rb > Cs, Ca > Sr > Ba. With Cl, Br, I and Se, Na < K < Rb < Cs, Ca < Sr < Ba. Breaks in the curves representing periodic change in the properties of the elements occur because these changes are affected by 3 factors, the at. wt. and the no. of atoms, one playing a dominant role. Such breaks occur more frequently with change in the at. wt. in the case of the univalent metals than they do in that of the bivalent ones.

Lewis W. Butz

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Ca

2

The periodic system of the elements. VIII. P. Petrenko-Kritschenko. *J. Gen. Chem.* (U. S. S. R.) 3, 597-9(1933); cf. C. A. 28, 1699.—The heats of formation of compds. of the alkali metals and of the alk. earth metals with O, S Se and the halogens were studied. The following periodic generalizations are deducible: for compds. with O, S and F, K < Ca, Rb < Sr, Cs < Ba.; for compds. with Cl, Br, I and Se, K > Ca, Rb > Sr, Cs > Ba. Within each metallic group the relations are: for compds. with O, S and F, Na > K > Rb > Cs, Ca > Sr > Ba.

With Cl, Br, I and Se, Na < K < Rb < Cs, Ca < Sr < Ba. Breaks in the curves representing periodic change in the properties of the elements occur because these changes are affected by 2 factors, the at. wt. and the no. of atoms, one playing a dominant role. Such breaks occur more frequently with change in the at. wt. in the case of the univalent metals than they do in that of the bivalent ones.

Lewis W. Butz

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CB

2

The law of permanency. P. A. Petrenko-Kritchenko. *J. Gen. Chem.* (U. S. S. R.) 10, 1305(1940); cf. C. A. 29, 2037[9].—Additional colors remaining after absorption by dye in the visible spectrum region are tabulated. The table clarifies examples previously given. A. A. P.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

2

na

Rate of periodicity. P. I. Petrenko-Kritchenko and V. K. Gorshel. *Compt. rend. acad. sci. URSS* [illegible] *S. S.* 29, 480-1 (1940) (in German); cf. *C. A.* 30, [illegible]. — The splitting of Cl from the side chains of the following compds. was studied: *o*-, *m*- and *p*-chlorobenzyl chlorides; *o*-, *m*- and *p*-chlorobenzylidene chlorides; *m*- and *p*-chlorobenzotrichlorides; *m*- and *p*-nitrobenzyl chlorides; and *m*- and *p*-nitrobenzylidene chlorides. The splitting agents used were KOH, C_2H_5ONa, NH_3, $AgNO_3$ and H_2O. The percentage of reaction was observed and the effect of substituents in the side chain and ring was noted. The chief factor affecting the reaction is the accumulation of halogen in the side chain. Earl A. Oulbranson

METALLURGICAL LITERATURE CLASSIFICATION

PETRENKO*KRITCENKO, P. I.

Sur la loi de periodicite"., Petrenko-Ktitcenko, P. I., (p. 1305)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1940, Volume 10, no. 14.

PETRENKO-KRITSCHENKO, P. I.

Cor. Mbr., Acad. Sci., -1040-.

"Concerning the Mobility of Ammonium Radical," "Geometrical-Isomerism of Heterocyclic Nitrogen Compounds, ibid.; Dok. AN, 27, No. 5, 1940;

"On the Laws of Periodicity," ibid., 29, No. 7, 1940.

PETRENKO, V. V.

Category: USSR / Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry. Catalysis. B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30047

Author : I. Korniyenko V. P., Petrenko V. V.; II. Korniyenko V. P., Kagan M. B., Spendiarov N. N.; III, Korniyenko V. P., Selikhova M. N., Remmer N. S.

Inst : Khar'kov University

Title : I. Thermal Decomposition of Nickel Oxalate. II. Kinetics of Thermal Decomposition of Manganese Oxalate. III. Thermal Decomposition of Cobalt Oxalate.

Orig Pub: Uch. zap. Khar'kovsk. un-ta, 1956, 71, 77-87; 89-94; 95-102.

Abstract: I. A volumetric study of the kinetics of decomposition of dihydrate of nickel oxalate (I) at 343-369°. It is shown that the equation of Yerofeyev (1) is applicable to this process. The exponent n appearing in this equation is equal to 1 at low temperatures, increasing with temperature and reaching 1.66 at 369°. With rise in temperature the velocity maximum is shifted to 50% decomposition. Energy of acti-

Card : 1/3 -20-

Category: USSR / Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry. Catalysis. B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30047

vation (E), calculated from temperature dependence of velocity constant, is 42.3 kcal/mole; from temperature dependence of the duration of the reaction, is derived the value E = 45.3 kcal/mole. Decomposition of I occurs in stages: 1) $NiC_2O_4 = NiO + CO + CO_2$; 2) $NiO + CO \rightarrow Ni + CO_2$. By approximate thermodynamic calculations it is shown that the decomposition of I with formation of metal oxide and acid anhydride is more advantageous, from energy standpoint, than the decomposition to metal and radical. By means of the rule of Lugi-nin the heat of formation value of I has been estimated and was found to be of 206 kcal.

II. A study was made, between 369 and 420°, of the thermal decomposition of the dihydrate of manganese oxalate (II). Decomposition of II takes place according to equation (1), in which the value of exponent n varies from 1.07 to 1.42, depending on temperature and percentage of decomposition. Energy of activation, E = 41 kcal/mole,

Card : 2/3

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

CA

10

The mobility of the amino group. P. I. Petrenko-Kritchenko and R. P. Kaplun. *Compt. rend. acad. sci. U. R. S. S.* 27, 472(1940)(in German). Reactions attended by the formation and liberation of NH_3 proceed more readily than those involving a reverse cleavage process with the addn. of NH_3. The latter process frequently requires heating at 200-300° in sealed tubes. The following are given as examples of the authors' observations: $AcNH_2$ and $C_6H_5NH_2$ in slight excess were heated in a flask for 3-4 hrs. until all NH_3 had been liberated. Distn. of the product and recrystn. from H_2O yielded $AcNHC_6H_5$ with a m. p. in agreement with the literature value. Similarly, $AcNHCH_2C_6H_5$ was obtained from $AcNH_2$ and $C_6H_5CH_2NH_2$ upon heating 2 hrs.; benzalaniline from hydrobenzamide and $C_6H_5NH_2$; $BzNHC_6H_5$ from $BzNH_2$ and $C_6H_5NH_2$.

W. A. Cook

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Geometric isomerides of heterocyclic nitrogen compounds. P. I. Petrenko-Kritchenko and T. K. Chumachenko. *Compt. rend. acad. sci. U. R. S. S.* 27, 470-1 (1940) (in German).—The authors report the existence of 2 more such compds. each with a corresponding geometric isomer, and both contg. 2 pairs of like asymmetric atoms: $MeN.CHPh.CH_2.CO.CH_2.CHPh$ (I) and $EtN.CHPh.CH(CO_2Et).CO.CH(CO_2Et).CHPh$ (II). The m. ps. of the isomers of I are 91° and 138°; those of II are 92° and 140°. Oxidation of I and II such that the rings remain intact gives rise to two double bonds in each structure, a transformation of a piperidone to a pyridone type. The *pyridone form*, from I m. at 244° and that from II m. 190°. Obviously the spatial relations in the pyridone derivs. become identical, above and below the ring unit, and thus no geometric isomerism exists. W. A. Cook

9C

A-9

Pseudolatty. law. P. PERSEEV-KRITSCHENKO (Compt.-rend. Acad. Sci. U.R.S.S., 1931, 19, 95—98; cf. A., 1934, 1000).—A further statement of the author's views, supported by data for the activities, in EtOH at <100°, chiefly of mono-, di-, and tri-substituted halogen derivatives of CH_4, AcOH, or PhMe.

I. McA.

ASB-ELA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

The law of periodicity. P. Petrenko-Kritschenko and J. Pfister. *Compt. rend. acad. sci. U. R. S. S.* **19**, 431-6 (1938) (in German); cf. following abstr.—The mol.-rotatory powers of homologous series of optically active substances as reported by other investigators are reviewed. In 15 series they are not in general monotonic, but display max. or min. Changing from a single to a double bond between C atoms increases the rotatory power in three instances and changing from a double to a triple bond decreases it in one instance. S. L. Gerhard

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

A-1

Periodicity law. Break in continuity in values of molecular rotatory power in optically active homologous series. [illegible] and J. [illegible] (Compt. Rend. Acad. Sci. [illegible], 1950, 30, [illegible]; [illegible], 31, [illegible]). Available data for $[M]_D$ values of Pickard and [illegible] (not cited) rotatory power of the monoterpenes, with chain length. [illegible] min. as $[M]_D$ in a series is claimed to be of periodic wave form. Similarly, $[M]_D$ increases, then falls, in the succession C-C → CCC → CIC. I. McA.

COMMON ELEMENTS

MATERIALS INDEX

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

BC

Periodicity law. P. I. Petrenko-Kritschenko and V. E. Hertschel (*Compt. rend. Acad. Sci. U.R.S.S.*, 1940, 28, 480—481; cf. A., 1939, II, 167).—Vals. are recorded for the % decomp. after 120 and 300 min. of o-, m-, and p-$C_6H_4Cl\cdot CH_2Cl$, -$C_6H_4Cl\cdot CHCl_2$, m- and p-$C_6H_4Cl\cdot CCl_3$, -$NO_2\cdot C_6H_4\cdot CH_2Cl$, and $NO_2\cdot C_6H_4\cdot CHCl_2$, in 0·05M-EtOH solution, by 0·05M-KOH, -NaOEt, -NH_3, -$AgNO_3$, and H_2O, at 70°. The relative reactivities are similar to those for similar compounds without nuclear substitution. The no. of halogen atoms in the side-chain influences the reactivity > the orientation of the nuclear substituent.

A. J. E. W.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

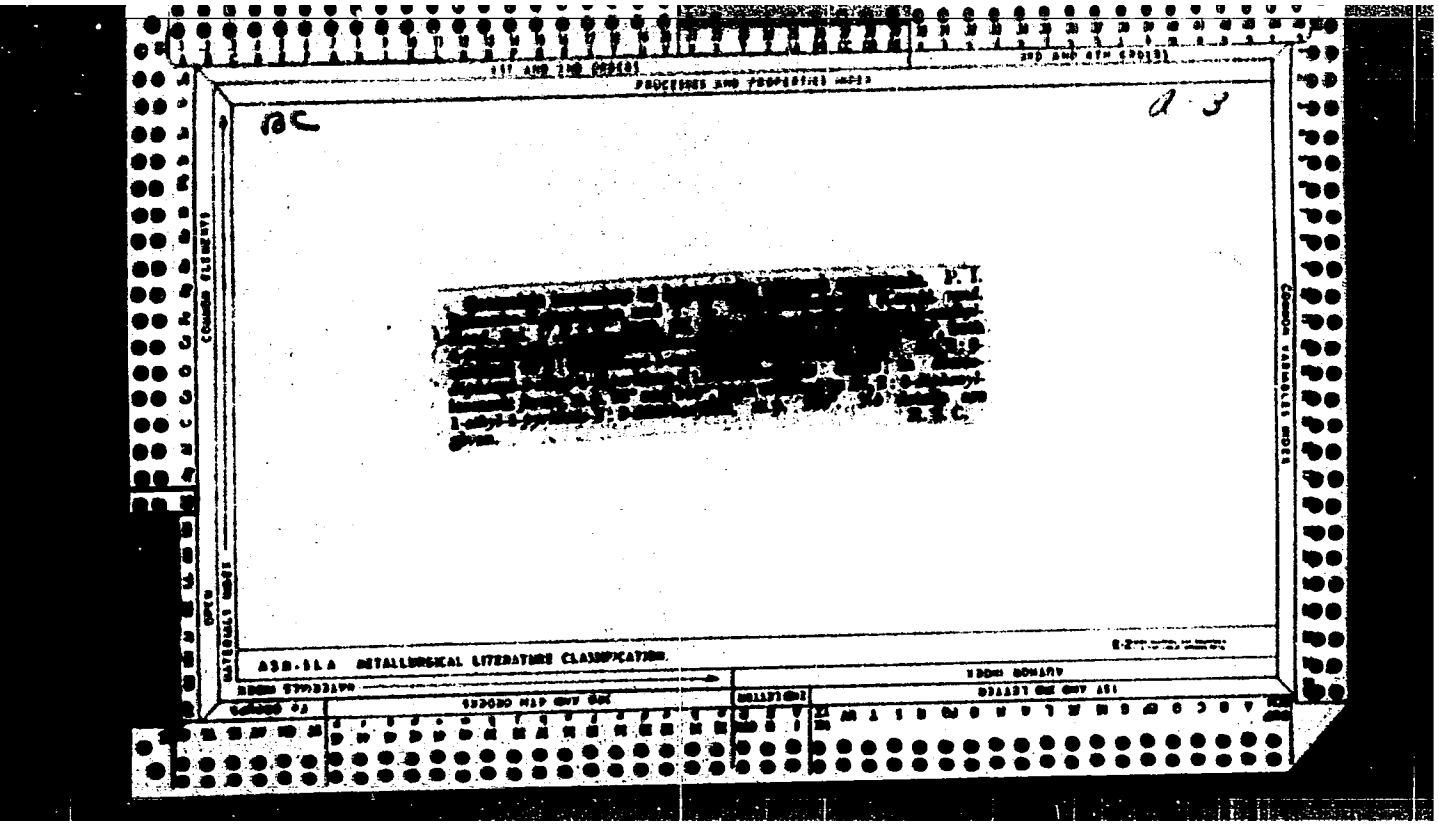
PROCESSES AND PROPERTIES INDEX

a-3

8C

[redacted]

ASD-TSA METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

a-3

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PETRENKO-PETRYAKOVSKIY, S., Maj Gen

(See BELYAKOV, A. V.)

SO: SUM 291, 2 Dec 1954

PETRENKOV, A. , PLATONOV, I.P. and VINGRADOVA, I.N.

New methods for obtaining proteolutic ferments of high activity from the mold fungus Asp. terricola.

Mikrobiologiya. Vol. 21. P. 692, 1952.

S/058/63/000/002/058/070
A160/A101

AUTHORS: Tkach, V. K., Petrenko, Yu. A.

TITLE: The change in the propagation velocity of supersonic oscillations in albumen solutions after the effect of ultraviolet radiation

PERIODICAL: Referativnyy zhurnal, Fizika, no. 2, 1963, 61, abstract 2Zh385 ("Uch. zap. Khar'kovsk. un-t", 1962, v. 121, Tr. Radiofiz. fak., 5, 155 - 158)

TEXT: An installation was developed for measuring the velocity of supersonic oscillations in polymer solutions by the light diffraction method on a supersonic grating with an error not exceeding 1.5 - 1.7%. Studied was the velocity change of the supersonic oscillations in the aqueous solutions of albumens (plasma albumin of human blood) subjected to the action of various doses of ultraviolet rays with a wavelength of Λ = 2,540 Å. Determined was the existence of the aftereffects of the ultraviolet rays, manifested in the gradual return of the velocity magnitude of supersonic oscillations to the values corresponding to the non-irradiated albumen.
[Abstracter's note: Complete translation]

Card 1/1

PETRENYUK, L.M., aspirant (Chernovitsy)

Functional state of the adrenal cortex in Botkin's disease.
Klin.med. no.3:54-58 '62. (MIRA 15:3)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. N.B. Shchypak) Chernovitskogo meditsinskogo instituta (dir. - dotsent M.M. Kovalev)
(ADRENAL CORTEX) (HEPATITIS, INFECTIOUS)

PETRENYUK, N.P.

Use of novurit in circulatory insufficienty. Vrach.delo no.1: 87 '60. (MIRA 13:6)

1. Gospital'naya terapevticheskaya klinika (zav. - prof. V.A. Triger) Chernovitskogo meditsinskogo instituta.
(BLOOD--CIRCULATION, DISORDERS OF)
(MERCUROPHYLLINE)

SURDAN, C.; PETRESCO, A.; ANGHELESCO, N.; DUMITRIU, E.

A histopathological study of the nervous form of Carre's disease. Rev. sci. med. 5 no.3/4:241-244 '60.
(DISTEMPER pathology) (CENTRAL NERVOUS SYSTEM pathology)
(NEUROLOGIC MANIFESTATIONS)

ROMANIA

BUSILA, V. T., Prof; POPIAN, R., Dr; STAMBOLIU, D. M., Dr; POTRELUS, El., Dr; CRISAN, I., Dr.

Clinic of Contagious Diseases, Institute of Medicine, Timisoara (Clinica de boli contagioase, Institutul de medicina, Timisoara) - (for all)

Bucharest, Viata Medicala, No 17, 1963, pp 1181-1187

"Neuropsychic Sequelae After Tetanus Neonatorum"

(5)

C.1. PETRESCU, A.

The mechanism of the formation of azoxy derivatives from nitro compounds under the influence of aromatic ketones. Eugen Macovski and Aurelia Petrescu (Univ. Bucharest, Romania). *Acad. Rep. Populare Romîne, Bul. Stiinţ.* A., 1, 485-500(1949)(French summary).--The reduction of nitro compds. with aromatic ketones, as a benzoin (I), furoin (II), anisoin (III), in alc. and in the presence of NaOEt proceeds as far as the *N*-arylhydroxylamine (IV), which is then dehydrogenated by atm. O and partly transformed into the nitroso compd. (V) and this in turn reacts with IV to give the corresponding azoxy compd. In the absence of air the reduction proceeds therefore to the corresponding arylhydroxylamine; with air present, to the azoxy compd. Gerhard Aufleger

PETRESCU, A.

Processing China jute tow in spinning mills for bast fibers. p. 120.

Vol. 6, no. 4, Apr. 1955
INDUSTRIA TEXTILA
Bucuresti, Rumania

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

PETRESCU, A.

"Preparations to annihilate larvae by introducing powdered insecticide in cracks". p. 47, (REVISTA PADURILOR, Vol. 69, No. 2, Feb. 1954, Bucuresi, Rumania)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

RUMANIA / Farm Animals. Cattle. Q-2

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 64433

Author : Petrescu, A.; Banica, G.
Inst : Not given
Title : From the Experience of the State Farm Popesti-Leordeni in Regard to the Increase of Milk Production in Cows.

Orig Pub : Probl. zootehn., 1957, No. 6, 61-63

Abstract : No abstract given.

Card 1/1

BELOIU, I.; PETRESCU, A.

Banking credit in support of small mechanization, modernization, and improvement of production technology. Probleme econ 17 no.2: 113-119 F '64.

PETRESCU, A.

AGRICULTURE

Periodicals: REVISTA PADURILOR. Vol. 73, no. 11, Nov. 195[illegible]

PETRESCU, A. Importance of bushes and other species helping the reforestation and growth of oak forests. p. 6[illegible]1.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2, February 1959, Unclassi

BILCESCU, Oct., ing.; MINCULESCU, Gh., ing.; PETRESCU, A., ing.

Methods of technical control applied to flax rotting basins in Rumania. Ind text Rum 12 no.10:393-396 O '61.

1. Institutul de cercetari textile.

[illegible], A.

[illegible], A. Importance of an [illegible] power [illegible]
p. 181

Vol. 4, no. 10, oct. 1[illegible]
[illegible]
[illegible]
[illegible]

So: East European Acoustics, Vol. [illegible], No. [illegible], Jan 1[illegible]

PETRESCU, A.

Characteristics of electric-power production in 1956. p. 343.
(ENERGETICA. Vol. 5, no. 7, July, 1957, Rumania)

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

PETRESCU, A

DERVICI, A.; CRETESCU, A.; SARATEANU, D.; BRONITKI, Al; PETRESCU, A.

Use of a portable device for study of higher nervous activity in humans according to the Ivanov-Smolenski method. Rev.st.med., med.int., Bucur. 6 no.4:133-135 Oct-Dec 54.

(CENTRAL NERVOUS SYSTEM, physiology
higher nervous funct., Ivanov-Smolenski method of exam., appar. & technic)

(REFLEX, CONDITIONED
Ivanov-Smolenski method of study, appar. & technic)

RUMANIA / Human and Animal Morphology (Normal and Pathological). S
Nervous System. Central Nervous System.

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40773

Author : Hornet, Th.; Marcovici, G.; Petrescu, A.; Appel, E.
Inst : Not given
Title : Histochemical Experimental Investigation of the Phosphatases of the Brain Under Normal Conditions and in Disorders of Circulation

Orig Pub : Bul. stiint. Sec. med., 1956, 8, No 2, 433-444

Abstract : The alkaline phosphatase (AP), investigated by the method of Gomori and Dorfman-Epstein, is demonstrated normally in the cortex of the brain of rabbits in the nucleus (in the nucleolus, in the chromatin net and in the nuclear envelope) and in the intercellular matter. The greatest quantity of AP is contained in the III, IV and V layers of the cortex. In cats a markedly manifested

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RUMANIA / Human and Animal Morphology (Normal and Pathological). S
Nervous System. Central Nervous System.

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40773

reaction to AP is noted in the wall of the blood vessels. As a result of ischemia, produced by ligature of the carotid arteries for 30 - 60 minutes, the quantity of AP of the cerebral cortex of rabbits changed according to the current functional condition of the vessels; the activity of AP increased in dilatation, decreased in vaso-constriction. The AP activity fell or disappeared completely in the areas of the brain; submitted to compression, it increased in the adjacent areas, and did not vary in the hypothalamus. -- S. N. Fayn

Card 2/2

817. MODIFICATIONS IN THE ALKALINE PHOSPHATASE ACTIVITY IN EXPERIMENTAL CEREBRAL CICATRICES IN RABBITS - Modificările activităţii fosfatazei alcaline în cicatricea cerebrală experimentală la iepure - Hornet T. and Petrescu A. - STUD.CERC.NEUROL. 1957, 2/3 (327-337) Illus. 30

In 13 rabbits a cerebral incision was made. The animals were killed after 1 to 65 days. Using Gömöri's method, a study was made of the modifications in the alkaline phosphatase activity in the pathological tissues formed. The conjunctivo-glial tissue of sclerosis has a weak phosphatatic activity, except for the proliferative stumps. On the borderline between the cicatrix and the cerebral parenchyma, the enzymatic activity is localized either only in the walls of the capillaries, or in a small pericapillary zone. In the lesions resulting from softening of the brain, the enzymatic activity is present on the periphery or in the macrophages. The hyalinized or sclerosed vessels do not contain enzymes. Voiculescu - Bucharest

PETRESCU, A.; DRAGANESCU, S.

Histochemical research on products of disintegration of lipides in brain in disseminated sclerosis. p. 1267.
(COMUNICARILE. Rumania. Vol. 6, no. 10, Oct. 1956)

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

KREYNDLER, A.; PETRESKU, A. [Petrescu, A.]

Pathophysiology of some symptoms in acute disorders of cerebral blood circulation in connection with the localization of the focus. Nauch. trudy Inst. nevr. AMN SSSR no.1:71-74 '60. (MIRA 15:7)

1. Institut nevrologii imeni I. P. Pavlova Akademii Rumynskoy Narodnoy Respubliki, Bukharest.

(CEREBROVASCULAR DISEASE)

L 10485-66

ACC NR: AP6003541 SOURCE CODE: RU/0011/65/009/001/0001/0003

AUTHOR: Tetelbaum, I. M.--Tetel'baum, I. M. (Professor; Doctor); Petrescu, A.--Petresku, A. (Engineer; Candidate of technical sciences)

ORG: none

33
B

TITLE: New modelling method of boundary condition problems in fields with variable common boundary by means of electric networks

SOURCE: Automatica si electronica, v. 9, no. 1, 1965, 1-3

TOPIC TAGS: boundary value problem, mathematic method, electric engineering, electric network, electric transformer, differential solution

ABSTRACT: The authors show the theoretical justification for a novel method of solving boundary condition problems in fields with a variable common boundary, by means of electric circuits with transformers. The requirements that must be met by the transformers in order to minimize errors are determined. Orig. art. has: 3 figures, 17 formulas. [JPRS]

SUB CODE: 12, 09 / SUBM DATE: none / OTH REF: 001 / SOV REF: 002

HW

Card 1/1 UDC: 621.317.2.001.57: 517.946.9

CONEA, Ana; VOLOVICI, C.; MUCENIC, Iulia; NITU, I.; BRATOSIN, Niculina; BUGEAC, Elena; IACOB, Eugenia; VASILESCU, Marcela; BALABAN, Lidia; COLIOS, Elena; PETRESCU, Adriana; POPESCU, Florica; SAFTA, Rodica; MAC, Hareta.

The Oradea plain and hilly soils. Dari seama sed 48[redacted]88 60/61 [publ. '62]

NICOLAU, St.S., academician; PETRESCU, Al.; ATHANASIU, Pierretto; SURDAN, C.; CAJAL, N.; SARATEANU, D.; in colaborare cu VELCIU, V.

Inframicrobial etiology in ulcerous disease. I. Stud. cercet. inframicrobiol. 13 no.3:291-295 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.
(PEPTIC ULCER) (RICKETTSIAL DISEASES) (RICKETTSIA PROWAZEKII)

SARATEANU, D.; DRAGANESCU, N.; IONESCU, N.I.; PETRESCU, Al.

Modification of a strain of ornithosis virus by rapid passages in embryonated egg. Stud. cercet. inframicrobiol. 13 no.6:715-724 '62.

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

Petrescu, A.

[illegible]

[illegible] and [illegible], Institute of [illegible] Microbiology [illegible].

"Modification of an Erythrolysis Virus Strain by Rapid Passage in Embryonated Eggs."

[illegible], [illegible] Microbiologie, Vol 12, No 6, 1967; [illegible].

Abstract [illegible] [illegible] intervals [illegible] hours, passages on chorio-allantoic membrane of the [illegible] human erythrolysis strain increased its infectivity, its virulence, invasiveness and antigenicity. In addition to the typical forms of erythrolysis virus as observed under the electron microscope, authors also detected a new type of feature averaging [illegible] mu and tentatively considered to represent the actual hemagglutinating particles. Two tables, [illegible] electron micrographs; [illegible] Rumanian and [illegible] foreign references.

[illegible]

PETRESCU, A., ing.

Modeling by electric networks the flow of incompressible liquids through nonhomogeneous porous media under the action of gravitational force. Automatica electronica 8 no.3:97-104 My-Je '64

DERBVICI, A.; PETRESCU, Al.; BRONITKI, Al.; ROTSCHILD

Variations in characteristics of strains of influenza virus studies in the Rumanian People's Republic during 1953-1955.

1. Comunicare prezentata in Sesiunea generala stiintifica a Academiei R.P.R. 2-6 iulie 1956 in sedinta din 4 iulie 1956.

(INFLUENZA VIRUSES
strains isolated in Rumania, variations in antigenic structure, virulence for mice, antibody titers & dynamics in Rumanian subjects)

(ANTIGENS
antigenic structure of strains of influenza virus isolated in Rumania)

(INFLUENZA, immunology
antibody titers & dynamics in population of several Rumanian cities)

DERNVICI, A.; SARATRANU, D.; PETRESCU, Al.; DRAGANESCU, N.; BROWITKI, Al.; ROTSCHILD, L.; ISRAEL, M.

Antigenic correlations of strains of influenza virus isolated in the people's Republic of Rumania in 1953 and 1954. Stud. cercet. inframicrobiol., Bucur. 6 no.1-2:17-24 Jan-June 55.

1. Institutul de inframicrobiologie al Academiei R.P.R. si organele de teren ale Ministerului Sanatatii.

(INFLUENZA VIRUS
strains isolated in Rumania, antigenic correlations)
(ANTIGENS AND ANTIBODIES
antigenic properties of strains of influenza virus isolated in Rumania)

DERENICI, A.; PETRESCU, Al.; ROTSCHILD, L.

Effect of non-specific excitation of the nasal exteroceptors on anti-influenza immunization of rats and mice. Stud. cercet. inframicrobiol., Bucur. 6 no.1-2:25-34 Jan-June 55.

(INFLUENZA, immunology
eff. of astringent-induced stimulation of nasal exteroceptors, in rats & mice)
(NERVE ENDINGS
exteroceptors of nasal mucosa, eff. of stimulation on anti-influenza vacc. in rats & mice.)
(CENTRAL NERVOUS SYSTEM, physiol.
role in reactivity to anti-influenza vacc., in rats & mice)

MISON-CRIGHEL, Nella; PINTILIE, C.; LAZAR, Dorine; OLTEANU, I., PETRESCU, A.; VOINESCU, Sorinella.

Study of blood proteins and serum catalase activity in experimental herpetic encephalitis in rabbits. Stud. cercet. inframicrobiol., Bucur. 6 no.3-4:389-400 July-Dec 1955.

(ENCEPHALITIS, experimental
herpetic, blood proteins & serum catalase activity)
(BLOOD PROTEINS, in various dis.
exper. herpetic encephalitis)
(CATALASE, in blood
in exper. herpetic encephalitis)
(HERPES
herpetic encephalitis in rabbits, blood protein & serum catalase changes)

DEREVICI, A.; SARATEANU, D.; BRONITKI, A.; PETRESCU, A.; ROTHSCHILD, L.; DRAGANESCU, N.; SATMARI, C.; PETRUSON, J.; STANCU, A.; TIMERMAN, A.; PIRONCOF, M.

Dynamics of serum antibodies against influenza in children and adults vaccinated with autochthonous vaccine; role of non-specific excitants. Stud. cercet. inframicrobiol., Bucur. 6 no.3-4:429-441 July-Dec. 1955.

(INFLUENZA, prev. & control
vacc. with autochthonous vaccine, behavior of serum antibodies, in child. & adults)

(ANTIGENS AND ANTIBODIES
influenza antibody form. after various methods of vacc. with autochthonous vaccine, in child. & adults)

DEREVICI, A.; SARATEANU, D.; PETRESCU, Al.; DRAGANESCU, N.; BRONITKI, Al.; ROTHSCHILD, L.

Further data on the natural variability of the influenza virus studied in the Rumanian People'd Republic in 1954. Stud. cercet. inframicrobiol., Bucur. 7 no.1-2:65-76 Jan-June 56.

(INFLUENZA VIRUS
adaptability & pathogenicity for mice & hemagglut. properties of strains isolated in Rumania, variability)

ATHANASIU-STROESCU, P.; GRUIA, M.; PETRESCU, Al.; BRONITKI, Al.

Studies of the neurotropism of various strains of influenza virus. Stud. cercet. inframicrobiol., Bucur. 7 no.3-4:339-353 July-Dec 56.

1. Comunicare prezentata in sedinta Institutului de inframicrobiologie al Academiei R.P.R.

(INFLUENZA VIRUSES
neurotropism of various strains, in intranasal & intracerebral inoculation in rats)

(BRAIN, pathology
in exper. influenza, neurotropism of various strains of viruses)

(LUNGS, pathology
(SAME)

DERZVICI, A.; PETRESCU, Al.; ROTSCHILD, I.; BRONITKI, Al.; SARATEANU, D.; DRAGANESCU, [redacted]

Comparative study of the dynamics of anti-influenza serum antibodies and of the influenza strains in the Rumanian People's Republic in the period 1954-1955 1957. Stud. cercet. inframicrobiol., Bucur. 8 [illegible] 1957. (INFLUENZA VIRUSES
strains isolated in Rumania)
(INFLUENZA
epidemiol. in Rumania & dynamics of serum antibodies)
(ANTIBODIES
influenza antibodies in Rumanian population, dynamics)

RUMANIA / Virology. Human and Animal Viruses. Influenza Virus. E-3

Abs Jour : Ref Zhur - Biol., No 13, 1958, No 81244

Authors : Derevici, A.; Petrescu, Al.; Bronitki, Al.; Rotschild, L.
Inst : Not given
Title : Natural Variability in Strains of Influenza Virus Studied in Rumania During 1953-1955.

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazitol., 1957, 8, No. 2, 173-190.

Abstract : No abstract

Card 1/1

RUMANIA / General Problems of Pathology. Immunity. U

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102390.

Author : Mirza, L.; Picos, A.; Rotschild, L.; Petrescu, Al.; Bronitki, Al.
Inst : Not given.
Title : The Role of the Cerebral Cortex in the Formation of Antiinfluenzal Immunity in White Mice.

Orig Pub: Studii si cercetari inframicrobiol., microbiol. si parasitol., 1957, 8, No 2, 191-199.

Abstract: Of 19 mice that had developed a conditioned reflex, 11 were immunized against influenza (formalinized suspension of the lung tissue of animals infected with the virus). An increase of the process of stimulation was noted, on the background of which short intervals of inhibition in the beginning of

Card 1/2

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Card 2/2

GHETIE, V.; CAIOIANU-IORDACHEL, M.; PETRESCU-RAIANU, A.

Vascularization of the nasal cavity in ruminants. Rev biol 8 no.2:147-152 '63.

1. Akademie der RVR, Institut fur Biologie Traian Savulescu Laboratorium fur Morphologie, Cytologie und Embryologie der Tiere, Bukarest.

RUMANIA / Virology. Viruses of Man and Animals. Plague Viruses of Birds. E-2

Abs Jour : Ref Zhur - Biologiya, No 22, 1958, No. 99136

Author : Athanasiu-Strosecu, P.; Petrescu, A.; Gruia, M.
Inst : Not given
Title : A Test of the Directed Mutability of the Virus of Bird Plague (Adapted to Mice of Strain 863)

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazitol., 1957, 8, No 3, 379-386

Abstract : The virus is adapted in the brain of 2 - 3 week old rats, causing their illness; in 50 percent of the cases it is fatal, in 50 percent - it occurs in a hidden form. The virus is also found in the ganglia of the sympathetic and parasympathetic nerve systems, in the parotid gland, and in the adrenals.

Card 1/2

RUMANIA / Virology. Viruses of Man and Animals. Plague Viruses of Birds. E-2

Abs Jour : Ref Zhur - Biologiya, No 22, 1958, No. 99136

In the process of adaptation of the virus its pathogenicity undergoes changes; the ability to lower homagglutination by passing on mice and rats disappears and appears again on chick embryos.

Card 2/2

PETRESCU

EXCERPTA MEDICA Sec 5 Vol 12/10 General Path Oct 59

2832. HISTOCHEMICAL INVESTIGATIONS ON HEPATIC AND MUSCLE GLYCOGEN DURING EXPERIMENTAL INFLUENZA INFECTION IN THE WHITE MOUSE - Studiul histochimic al glicogenului hepatic şi muscular în cursul infecţiei gripale experimentale la şoarecele alb - Petrescu A. and Athanasiu-Stroescu P. - COM. ACAD. R. P. R. 1958, 8 11 (1201-1205)

These investigations yielded the following results: Muscle glycogen disappears from sections 72 hr. after inoculation with influenza virus; the liver glycogen shows a marked diminution in animals sacrificed during the terminal phase and is

entirely absent in animals that have succumbed to the experimental illness. The severity of the influenzal pulmonary lesions is proportional to the quantity of hepatic glycogen.

(V, 50)

DRAGANESCU,St.,assist.prof.; COMAN,V.Petrescu,assist.prof.; PAUN, Florica; DRAGANESCU,N.; PETRESCU,A.

Clinical and electroencephalographic patterns and diagnosis in influenza encephalitis of the suckling and infant. Rumanian M. Rev. 3 no.4:33-35 O-D '59.
(INFLUENZA, complications)
(ENCEPHALITIS, in inf. & childh.)
(ELECTROENCEPHALOGRAPHY)

CALOIANU-IORDACHEL, M.; PETRESCU-RAIANU, A.

Evolution of the hollow cylindrical bones of birds. Rev biol 8 no.2:153-164 '63.

1. Akademie RVR, Institut fur Biologie Traian Savulescu, Laboratorium fur Morphologie, Cytologie und Embryologie der Tiere.