

KOVANOV, V.V.; ANIKINA, T.I.

Some features of the structure of the fasciae and cellular spaces
in man. Arkh. anat. gist. embr. 39 no. 10:14-23 0 '60.

(MIRA 14:2)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii (zav. -
chlen-korrespondent AMN SSSR prof. V.V. Kovanov) i Moskovskogo
ordena Lenina meditsinskogo instituta imeni I.M. Sechenova. Adres
avtora: Moskva, ul. Chkalova, 14/16, kv. 158.

(FASCIAE (ANATOMY)) (CONNECTIVE TISSUES)

KOVANOV, Vladimir Vasil'yevich; ANIKINA, Tamara Ivanovna; BOMASH,
Yu.M., red.; BUL'DYAYEV, N.A., tekhn. red.

[Surgical anatomy of the fasciae and fascial spaces in man]
Khirurgicheskaya anatomia fastsi i kletchatykh pro-
stranstv cheloveka. Moskva, Medgiz, 1961. 209 p.
(MIRA 15:3)

(FASCIÆ (ANATOMY))
(ANATOMY, SURGICAL AND TOPOGRAPHICAL)

ANIKINA, T.I., dots.; BOGUSLAVSKAYA, T.B., ass.; BOMASH, Yu.M., dots.; GEYMAN, D.V., ass.; GRENADEROV, Yu.V., ass.; DOBROVA, N.B., ass.; KLEPIKOV, V.A., ass.; ZURRILOVA, A.V., ass.; KULIK, V.P., mlad. nauchn. sotr.; NIKOLAYEV, F.D., dots. [deceased]; SYCHENIKOV, I.A., dots.; TRAVIN, A.A., ispoln. obyazannosti prof.; RYBALKIN, P.Ye., ass.; KOVANOV, V.V., prof., red.; PROKOF'YEV, V.P., red.; ZAGOREL'SKIY, Ia.I., tekhn. red.

[Special methodology for practical work in topographic anatomy and operative surgery] Chastnaia metodika prakticheskikh zaniatii po topograficheskoi anatomii i operativnoi khirurgii. Izd.2., perer. i dop. Pod red. V.V.Kovanova. Moskva, 1963. 224 p. (MIRA 16:12)

1. Moscow. Pervyy meditsinskiy institut. 2. Kollektiv преподаvateley kafedry operativnoy khirurgii i topograficheskoy anatomii 1-go Moskovskogo instituta imeni I.M.Sechenova (for all except Prokof'yev, Zagorel'skiy). 3. Zaveduyushchiy kafedroy operativnoy khirurgii i topograficheskoy anatomii 1-go Moskovskogo instituta imeni I.M.Sechenova, chlena-korrespondent AN SSSR (for Kovanov).

(ANATOMY, SURGICAL AND TOPOGRAPHICAL)
(SURGERY, OPERATIVE)

ANIKINA, T.I. (Moskva, 3-ya Frunzenskaya ul. 9, kv. 265)

Topography of parapharyngeal cellular spaces in man. Arkh. anat.,
gist. i embr. 47 no. 11:49-57 N '64 (MIRA 19:1)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii
(zav. - chlen-korrespondent AMN SSSR V.V. Kovanov) 1-go Mos-
kovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.
Submitted April 18, 1960.

14(9)

AUTHORS:

Frolov, V. S., Anikina, T. N.

SOV/64-59-3-21/24

TITLE:

Protection of the Respiratory Organs by Means of Tube Gas-masks
(Zashchita organov dykhaniya s pomoshch'yu shlangovykh protivogazov)

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 3, pp 86-87 (USSR)

ABSTRACT:

Tube gas-masks can be divided into three main types - with an air supply worked by the respiration itself (PSh-1), with a mechanically or electrically worked air supply (PSh-2) and the conduction gas-masks, supplied with compressed air by a compressor or bomb. In the present paper the types PSh-1 and PSh-2 are described and explained. The gas-mask PSh-1 (Fig 1) has a rubber and fabric tube with a length of 10 m and an inner diameter of 25 mm, at one end of which there is the mask and at the other end an air filter. The face mask is that of the type ShMP, connected with a flexible tube. The gas-mask PSh-2 (Fig 2) can be used by two persons at once, the appliance has two face masks ShMP with two tubes 20 m long and two electric motors for the air blower. The air blower can also be worked by hand in cases where there is no electric current. If the fan is damaged, the air supply is worked by the respiration until the danger zone is left. The two types of gas-masks are provided for

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Protection of the Respiratory Organs by Means of
Tube Gas-masks

SOV/64-59-3-21/24

industrial use. There are 2 figures.

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GOLOSOVA, T. V.; VEDMINA, Ye. A.; SHENDEROVICH, V. A.; ANIKINA, T. P.

"The biological properties of pathogenic staphylococci of different origin and the means of control of carriers of pathogenic staphylococci."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Microbiology Inst, Central Postgraduate Medical School, Moscow.

GOLOSOVA, T.V.; SHENDEROVICH, V.A.; VED'MINA, Ye.A.; ARIZONA, T.F.

Antibiotic sensitivity and phage typing of staphylococci of various origins. Antibiotiki 9 no.8:738-743 Ag '64. (MIRA 18:3)

1. Kafedra mikrobiologii (zav. - deystvitel'nyy chlen ANI SSSR prof. Yermol'yeva) Tsentral'nogo Instituta usoverasheniya vrachev, Moskva.

GOLOSOVA, T.V.; SKURKOVICH, G.V.; SHENDEROVICH, V.A.; ANIKINA, T.P.

Lysozyme titer in patients with various otorhinolaryngological diseases.
Antibiotiki 10 no.5:447-450 My '65. (MIRA 18:6)

1. Kafedra mikrobiologii (zav. - deystvitel'nyy chlen "N SSSR prof.
Z.V.Yermol'yeva) Tsentral'nogo instituta usovershenstvovaniya
vrachey i 36-ya Gorodskaya bol'nitsa (glavnyy vrach S.V.Karpovskaya),
Moskva.

ANIKINA, VA.

III. NATURAL SCIENCES

145. Protection of Corn From Diplodia and Bacteria Wilt

"Protect Corn Plantings from Quarantine Diseases," an article by V. A. Anikina and G. A. Zlotina, agronomists of the State Quarantine Inspection Service, reports that large quantities of seeds of corn hybrids which were imported into the Tadzhik SSR from the US and Canada are infected with diplodia and bacterial wilt, diseases highly destructive to corn crops. Thus far diplodia has been found in the USSR only in the Georgian SSR, while bacterial wilt is not found in the USSR at all. The authors warn the corn growers of the Tadzhik SSR to take steps to prevent

the spread of the diseases. According to the authors, seed should be treated with granozan before being planted and a careful watch on the crops should be maintained thereafter. (Sel'skoye Khozyaystvo Tadzhikistana, Vol 10, No 8, Aug 56, pp 57-58) (U)

ANIKINA, V.S., ordinator; KAPLUNOVICH, P.S., kand.med.nauk

Transplantation of the vitreous body from a corpse of some eye diseases. Oft. zhur. 16 no.4:204-208 '61. (MIRA 14:7)

1. Iz kafedry glaznykh bolezney (zav. - prof. A.B.Katsnel'son)
Chelyabinskogo meditsinskogo instituta i glaznogo otdeleniya
Chelyabinskoy oblastnoy klinicheskoy bol'nitsy.
(VITREOUS HUMOR---TRANSPLANTATION)

ANIKINA, V.V.

[Development and comparative evaluation of methods for determining viability of the eggs of certain helminths of man: abstract of a dissertation submitted for the degree of candidate of biological sciences] Razrabotka i sravnitel'naya otsenka metodov opredeleniya zhiznesposobnosti iaits nekotorykh gel'mintov cheloveka; avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata biologicheskikh nauk. Simferopol', 1955. 15 p. (MLRA 10:11)

(WORMS, INTESTINAL AND PARASITIC)

ANIKINA, V.V.

Determining the viability of helminth eggs by fluorescence microscopy.

Trudy Gel'm. lab. 9:17-19 '59. (MIRA 13:3)

(FLUORESCENCE MICROSCOPY)

(WORMS, INTESTINAL AND PARASITIC)

MOTORINA, L.V., aspirantka; PODDUBNYI, N.N.; kand.sel'skokhozyaystvennykh
nauk; ANIKINA, Ye.A.

Relation between vegetation and soils; based on investigations in
floodlands of the Oka River in Stupino District, Moscow Province.

Izv. TSNIIA no.3:202-206 '61. (MIRA 14:9)
(Alluvial lands) (Oka Valley--Botany)

ANIKINA, Z.L.; KIRPICHNIKOV, A.A.

Brief news and information. Zool. zhur. 44 no.5:797-800 '65.
(MIRA 18:6)

1. ANIKIN, A. Y.; Molyshin, K. P.
2. USSR (600)
3. Sharina of worm gears of greater modules, Machine Tools and Instruments No. 12.
Dec 1968

9. Compilation of Information on the USSR Machine and Machine Tools Industry
Contained in Soviet Publications. ~~SECRET~~

MAKLYAYEV, F.L.; SMIRNOV, I.V.; MARKOV, S.M.; LOSHADKIN, N.A.; ANIKIYENKO,
K.A.

Reactivity of the nitrophenyl esters of phosphoric and phosphinic
acids. Zhur.ob.khim. 33 no.12:3833-3838 D '63. (MIRA 17:3)

L-60951-65 RT(1)/EWA(1)/RT(2)/EPE(2)/EWP(3)/T/EWA(5)-2 Po-I/Pr-I RO/RM
 ACCESSION NR: AP5011678 UR/0195/65/006/002/0196/0202
 541.124

AUTHORS: Anikyanov, K. A.; Skripach, F. K.; Baranayev, M. K.; Rodionova, N. P. (Deceased)

TITLE: The reactivity of ester derivatives of phosphoric and thionphosphoric acids with cholinesterase and hydroxyl ions

SOURCE: Kinetika i kataliz, v. 6, no. 2, 1965, 196-202

TOPIC TAGS: cholinesterase, insecticide, phosphoric acid, thionphosphoric acid, reaction kinetics, reaction mechanism, inhibition catalyst

ABSTRACT: Quantitative studies of the reaction ability of ester derivatives of phosphoric and thionphosphoric acids (POS) were carried out in order to extend the currently available information on the inhibiting effect of phosphorganic insecticides on cholinesterase (Ch). Rate constants, activation energies, and preexponential factors for the reactions of a number of structurally different POS in the general form of



Card 1/2 where $R_1 = -CH_2-C_2H_5-C_2H_5$, $R_2 = -C_2H_5-C_2H_5SCH_2$, or $-C_2H_5SC_2H_5$

160951-65

ACCESSION NR: AP5011678

With Ch and CH ions were studied. The inhibition rate constants were determined from the relationship $k_i = \frac{2.303}{t_{0.5}} \frac{1}{[\text{FOS}]}$, where $t_{0.5}$ is the time required to destroy one half of the original Ch , and $[\text{FOS}]$ is the initial concentration of FOS. The pseudomonomolecular hydrolysis rate constants were determined from the relationship $k_1 = \frac{2.303}{t} (2 - \lg a)$, where t is the time and a the percentage concentration of unreacted FOS. The second order rate constants were determined from $k_{12} = \frac{k_1}{[\text{OH}]} = \frac{k_i}{0.025}$. The reaction mechanism is explained as a nucleophilic substitution of $\text{S}_{\text{N}}2$, after J. Dostrovsky and H. Halmann (J. Chem. Soc., 516, 1953). The kinetic characteristics were found to change with change in the structure of FOS. The authors thank V. A. Yakovlev for helpful advice concerning the inhibition mechanism of cholinesterase. Orig. art. has: 1 table and 3 equations.

ASSOCIATION: none

SUBMITTED: 21Feb65

ENCL: 00

SUB CODE: OC,
00

NO REF SOV: 006

OTHER: 015

Card 2/2

RESHETNIKOV, N.S., dotsent; LEVANOVA, R.V., inzh.; RASHKOVSKAYA, A.N., inzh.; KHAZOV, I.I., inzh.; ANTONOVA, G.P., tekhnik; ANIKIYENKO, O.M., tekhnik; KORESHKOVA, V.I., tekhnik; KROTOVA, T.N., tekhnik; BIRYUKOVA, V.N., tekhnik; GOROKHOV, M.G., red.izd-va; PARAKHINA, N.L., tekhn.red.

[Album of working drawings of parts and units of MAZ-200 and MAZ-501 trucks] Al'bom rabochikh chertezhei detalei i uzlov avtomobilei MAZ-200 i MAZ-501. Moskva, Goslesbumizdat. Pts.2-3. 1960. 319 p. (MIRA 14:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki lesnoy promyshlennosti. 2. Nachal'nik laboratorii tipovoy tekhnologii remonta mashin i organizatsii remontrykh predpriyatiy TSentral'nogo nauchno-issledovatel'skogo instituta mekhanizatsii i energetiki lesnoy promyshlennosti (for Reshetnikov). (Motortrucks--Equipment and supplies)

ANIKIYEV, A. N.

ANIKIYEV, A. N. -- "Local Grades of Potatoes in the Latvian SSR." Latvian Agricultural Academy, 1954 (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latvyskov. SSR No. 9, Sept., 1955

ANIKIYEV, K.A.

Facies change in ferrous quartzite in one of the sectors of the
Kursk magnetic anomaly. Inform.sbor. VSEGEI no.1:27-33 '55.
(MLRA 9:12)

(Kursk Province--Quartzite)

ANIKIYEV, K.A.; VYSOKOOSTROVSKAYA, Ye.B.; KOCHKIN, G.B.; OPARIN, O.M.

Uranium and thorium in igneous rocks of the Uymen' Depression
(Gornyy Altai). Inform.sbor. VSEGEI no.22:41-54, '59.
(MIRA 14:12)

(Al Tai Mountains--Uranium)
(Al Tai Mountains--Thorium)

ANIKIYEV, K.A.; KOCHKIN, G.B.

Petrolchemical characteristics of Devonian effusives in the Uymen'
Depression (Gornyy Altai). Geol.i geofiz. no.12:63-69 '61.
(MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut,
Leningrad.

(Uymen' Depression--Rocks, Igneous)

ANIKIYEV, K.A.

Porphyrylike and microlineline granites in the Chikhacheva
Range of the Gornyy Altai. Trudy VSEGEI 73:201-209 '62.(MIRA 15:9)
(Chikhacheva Range--Granite)

ANIKIYEV, K.A.

Neotectonic nature of anomalously high formation pressures in oil
and gas fields in alpine geosyncline areas. Dokl. AN SSSR 152
no.5:1192-1195 0 '63. (MIRA 16:12)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologo-razvedochnyy
institut. Predstavleno akademikom A.A.Trofimukom.

ANIKIYEV, Kirill Aleksandrovich; GINTSBURG, V.I., vedushchiy red.;
KRUGLIKOV, N.M., red.

[Unusually high reservoir pressures in oil and gas fields.]
Anomal'no-vysokie plastovye davleniia v neftianyykh i gazovykh
mestorozhdeniiakh. Leningrad, Nedra, 1964. 166p.
(Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii
geologorazvedochnyi institut. Trudy, no.233).

(MIRA 17:10)

ANIKIYENKO, K.A.; SKRIPACH, T.K.; RODIONOVA, N.P. [deceased]; BARANAYEV, M.K.

Reactivity of esters of phosphoric and thionephosphoric acid derivatives
to cholinesterase and hydroxyl ions. Kin. i kat. 6 no.2:196-202 Mr-Ap
'65. (MIRA 18:7)

DEMENT'YEV, Yu.P.; ZHITKOV, V.N.; ANIKEYEV, P.V.

Detachable fishing tool. Biul.nauch.-tekhn.inform.VIMS no.1:80-81
'60. (MIRA 15:5)

1. Severo-Vostochnoye geologicheskoye upravleniye.
(Boring machinery)

ANIKIYEV, S.

How we mastered the operation of the "Optimatik" machines. Den.
i kred. 20 no.9:67-70 S '62. (MIRA 15:9)

1. Glavnyy bukhgalter Sarapul'skogo otdeleniya Gosbanka.
(Sarapul—Machine accounting)

PA 21T103

ANIKYEV, V. V.

USSR/Meteorological Research
Agriculture

Sep 1946

"A Comparative Study of Micro-Climate by the Method
of Phytometers," V.V. Anik'ev, 4 pp

"Comptes Rendus (Doklady)" Vol LIII, No 7

Discussion of agrometeorological and ecological
studies using the actual living plant as an in-
strument for recording environment factors. The
phytometric method is proved to be highly effective.

21T103

ANIKIYEV, V. V.

20613 ANIKIYEV, V. V. Opyt opredeleniya fertil'nosti pyl'tsy metodom vital'noy okraski. Uchen. zapiski (lenng. gos. ped. in-tim. Gertsena), t. (XXXII. 1949, s. 15-23)
Bibliogr: 12 nazv.

SO: LETOPIS ZHURNAL STATEY - Vol. 28 - Moskva - 1949

SKAZKIN, F.D., prof.; LOVCHINOVSKAYA, Ye.I.; MILLER, M.S.; ANIKIYEV, V.V.;
YATSKOVSKAYA, K.N., red.; SIDOROVA, V.I., red.izd-va; PAVLOVA,
V.A., tekhn.red.

[Laboratory manual of plant physiology] Praktikum po fiziologii
rastenii. Izd.5., ispr. i dop. Pod red. F.D.Skazkina. Moskva,
Gos.izd-vo "Sovetskaya nauka," 1958. 338 p. (MIRA 12:5)

1. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR
(for Skazkin).

(Botany--Physiology)

ANIKIYEV, V.V.; KUTUZOV, F.F.

New method for determining the surface area of leaves in gramineous plants. Fiziol.rast. 8 no.3:375-377 '61. (MIRA 14:5)

1. Gosudarstvennyy pedagogicheskiy institut im. A.L.Gertsena,
Leningrad.

(Leaves) (Botanical research)

ANIKIYEV, V.V.

Pathological characteristics of microsporogenesis in wheat under
unfavorable soil moisture conditions. Uch. zap. Ped. inst.
Gerts. 178:25-35 '59. (MIRA 14:7)
(Plants, Effect of aridity on) (Wheat) (Pollen)

ANIKIYEV, V.V.

Some peculiarities of the formation of the male gametophyte in barley
under the conditions of soil drought. Dokl. AN SSSR 152 no.5:
1250-1252 0 '63. (MIRA 16:12)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut.
Predstavleno akademikom A.L.Kursanovym.

ANIKIYEV, V.V.

Biology of critical periods in plants due to insufficient water supply. Uch.zap.Ped.inst.Gerts. 249:5-207 '63.

(MIRA 17:12)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni A.I.Gertsena, Kafedra botaniki.

ANIKIYEV, V.V.

"Plant physiology and elements of microbiology" by P.A.
Genkel'. Reviewed by V.V. Anikiev. Fiziol. rast. 11 no.1:
154-155 Ja-F '64. (MIRA 17:2)

LENSU, L.V.; ANIKIYEV, V.V., dotsent, nauchnyy rukovoditel'

Effect of nitrogen-containing substances on pollen germination.
Uch. zap. Ped. inst. Gerts. 239:139-142 '64.

(MIRA 18:3)

9.3120

26.2312

24318

S/81/6/003/006/015/03
B102/B20

AUTHORS: Anikiyev, Yu. G., and Popov, B. N.

TITLE: Secondary emission of barium oxide

PERIODICAL: Fizika tverdogo tela. v. 3, no. 6, 1961, 1766-1777

TEXT: A novel investigation has been made of the secondary emission of BaO since, firstly, it plays an important role in the production of tungsten and aluminum cathodes, and secondly, the results heretofore obtained by various authors vary widely. The authors of the present paper set themselves the specific task of determining the coefficients of secondary emission as functions of the degree of the cathode activity and the oxygen pressure, these parameters being allowed to vary within widest possible limits. The oxygen pressure ranged between 10^{-8} and 10^{-5} mm Hg and over. To attain the highest possible cathode activity, cores with calcium addition were used; barium activated cathodes were, however, also used in the investigation. In these cathodes, not only their activity, but also the excess of neutral barium atoms in the

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Secondary emission of barium oxide⁸

5/18/61/008/006/015/031
5-02/8201

semiconductor was influenced. Measuring diagram and design of the experimental tube and of the emitter are described by way of introduction. σ was first measured as a function of voltage V_p on the anode emitting electrode (V_p = energy of primary electrons) and the effect of activation upon these curves was examined. Both an activation and a temperature rise were found to yield higher σ values. A study of the poisoning effects on σ showed that every poisoning process reduces the σ values on the $\sigma(V_p)$ curves) considerably (below the value of the non-poisoned cathode), which can be again corrected in part by a renewed activation. A study of the temperature dependence of the thermionic current and σ showed the following: Up to temperatures at which a considerable thermionic emission appeared, σ was not dependent on temperature at all and afterwards it exhibited an exponential rise which was the quicker the higher the cathode activity. In cathodes of a low activity, σ was independent of temperature up to 850°C (with primary electrons at 1000 eV). For a given cathode activity, the $\sigma(V_p)$ curves attained saturation at a lower V_p at higher T and slowly at a higher temperature T and σ reached higher values.

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Secondary emission of barium oxide

S/18/01/004/006/015/031
RUC2/RUC1

were also conducted with tubes, whose cathode coating was activated from an external source. The effect of oxygen upon the shape of secondary-current pulses and upon σ was examined next. Three cases could be distinguished here: 1) Cathodes of a very low activity displayed a practically normal pulse shape from room temperature to 650°C at $1 \cdot 10^{-4}$ - $5 \cdot 10^{-5}$ mm Hg oxygen pressure. 2) Cathodes of a medium activity (exhibiting an exponential rise of σ at high temperatures) displayed a growth of the pulse front and a drop after the primary-current pulse ended. The pulse attains its maximum value during 1-2 sec. A rise of oxygen pressure to $1 \cdot 10^{-4}$ - 10^{-5} mm Hg does not have any effect upon the pulse shape. 3) Cathodes of a high activity: At a residual gas pressure of 10^{-4} mm Hg the secondary current pulse has a normal shape when σ increases linearly. At $1 \cdot 10^{-5}$ - $5 \cdot 10^{-6}$ mm Hg at high temperatures becomes distorted. A slow growth and an exponential drop take place; the pulse attains its peak during 20 msec. The principal results of the present investigation are as follows: 1) σ depends at room temperature on the cathode activity; with an optimum activity σ attains a maximum value between 4.5 and 6.5. 2) For

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Secondary emission of barium oxide²⁴⁹¹⁸

S/161/01/003/005/015/031
B102/B201

$T < 550^{\circ}\text{C}$, σ is independent of T . 3) For $T > 550^{\circ}\text{C}$, σ is independent of T in the case of cathodes of a low activity, whereas in case of such of a medium activity σ grows exponentially with T , and for such of a high activity it drops negligibly. 4) At low temperatures the pulse exhibits no growth and no tail piece with high-activity cathodes at $1 \cdot 10^{-5}$ - 10^{-6} mm Hg. Cathodes of a medium activity display a growth and tail piece of the pulse at $1 \cdot 10^{-5}$ - $2 \cdot 10^{-9}$ mm Hg; all the same, the time constant is $\ll$ used in this case. 5) It is possible to obtain all shapes of $\sigma(T)$ curves on one and the same target, by changing its activity or its barium content. There are 8 figures and 11 references: 4 Soviet-bloc and 7 non-Soviet-bloc. The most important references to English-language publications read as follows: M. A. Pomeranz. Phys. Rev. 70, 33, 1946; J. B. Johnson Phys. Rev. 69, 693. 1946; 73, 1058, 1948; 83, 49, 1951; J. T. Jones. Nature, 161. 846, 1948.

SUBMITTED: January 7, 1961

Card 4/4

ANIKIYEVA M.D.
 USSR/Physical Chemistry - Thermodynamics, Thermochemistry, Equilibria, Physical-Chemical Analysis, Phase Transitions. B-8

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 381

Author : L.S. Lilich, M.D. Anikiyeva.

Inst : Leningrad University.

Title : Vapor Pressure in Systems MeCl_2 - HCl - H_2O . 2. System CaCl_2 - HCl - H_2O .

Orig Pub : Vestn. Leningr. un-ta, 1956, No 22, 97-103

Abstract : The extracting action of CaCl_2 on HCl present in a solution is shown in the paper. The partial pressures of H_2O and HCl in the system CaCl_2 - HCl - H_2O at 25° was investigated. A nearly rectilinear dependence of the H_2O and HCl vapor pressures on the mixture composition was revealed. The character of this dependence distinguishes the above system to a considerable degree from the

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5(2)

AUTHORS:

Lilich, L. S., Anikiyeva, M. D.

05888

SOV/78-4-11-41/50

TITLE:

The Vapor Pressure in the Systems $\text{CaX}_2 - \text{HX} - \text{H}_2\text{O}$

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 11,
pp 2630-2634 (USSR)

ABSTRACT:

The investigation was carried out from the point of view that the vapor pressure of the volatile component over a solution characterizes the chemical potential of this component in the solution. The system mentioned in the title was investigated with $\text{X} = \text{halogen ion}$. The hydriodic acid was prepared according to Yu. V. Karyakin (Ref 6). The measurement results are shown in tables 1-5 and figures 1-4. The isothermal-isobaric lines of water in the coordinate system $\text{HX} - \text{CaH}_2$ ($\text{X} = \text{Cl}, \text{Br}, \text{I}$) are parallel straight lines in all three systems investigated. Like in the corresponding binary systems, the vapor pressure increases also here in the sequence iodides - bromides - chlorides. This is in contradiction to the increase in hydration heat from Cl to I of the ions Cl^- , Br^- , I^- , but is explained by the hydration enthalpy of the halides (Ref 12). The linear course of the isothermal-isobars

Card 1/2

AMELIYINA, V.A., VLADIMIR, I.I.

Class Manufacture

Moistening the batch, Leg. prom. 12 No. 4
1952

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

ANIKOVICH, V. F.

"The Cultivation of Spring and Winter Rye in Buryat Mongolia."
Cand Agr Sci, Moscow Agricultural Acad, Moscow, 1953.
(RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

RYAZANOV, V.Y.; ANIKOVICH, V.F., kand. sel'skokhozyaystvennykh nauk;
ARTSISHEVSKAYA, L.M., agronom.

Importance of clean fallow in Orenburg Province. Zemledelie 6
no.5:30-34 Ny '58. (MIRA 11:6)

1. Glavnyy agronom Orenburgskogo oblastnogo upravleniya sel'skogo
khozyaystva (for Ryazanov).
(Orenburg Province--Fallowing)

ANIKOVICH, V. F., kand. sel'skokhozyaystvennykh nauk

Basic agricultural measures for the accumulation of moisture
in soils. Zemledelie 24 no.9:56-64 S '62.

(MIRA 15:10)

1. Orenburgskaya gosudarstvennaya sel'skokhozyastvennaya
opytnaya stantsiya.

(Orenburg Province—Soil moisture)
(Snow)

SHUVAYEV, V.P.; ANIKOVICH, V.F., kand. sel'skokhoz. nauk

Fall tillage of soil. Zemledelie 27 no.8:35-39 Ag '65.
(MIRA 18:11)

1. Orenburgskaya oblastnaya sel'skokhozyaystvennaya opytnaya
stantsiya (for Anikovich).

3(4).
 AUTHOR: Anikst, D. A., Engineer SOV/154-59-1-11/19
 TITLE: Modern Theodolites of Mean Accuracy (Sovremennyye teodolity sredney tochnosti)
 PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"- yemka, 1959, Nr 1, pp 103-113 (USSR)
 ABSTRACT: The trends of development of geodetic apparatus are pointed out at first. They correspond to existing tendencies in the USSR and abroad. A survey on modern instruments of mean accuracy is then given. One of the most recent theodolites is the tachymeter theodolite TT-5. It shall replace the obsolete TT-50. The technical data of TT-5 are given. It shows an enclosed type of construction protected against dust, water, and dirt. It has half the weight of TT-50. Accessories for the TT-5 are supplied on request. They are listed here. TT-5 has already been tested at the TsNIIGAIK and is being produced in series. - The theodolite TTP is used for measuring horizontal angles and angles of inclination, building up perpendiculars, projecting spot heights on the horizontal plane, for orientation by the sun and stars, for technical leveling, etc. It has the same angle-measuring accuracy as

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Modern Theodolites of Mean Accuracy

SOV/154-59-1-11/19

TT-5. In the construction it differs from TT-5 by the presence of an adjustable horizontal axis. Accessories for the TTP are the same as for TT-5. - The theodolite TN has the same accuracy and the same construction as TT-5. Unlike TT-5 it has got a 20" level on the telescope and a special construction of the telescope stirrup. The experimental types were prepared by order of the Mosgorgeotrest (Moscow City Trust of the Geological, Geodetic, and Map Service of the Ispol kom of the Mosgorsovet). Its accuracy is sufficient for technical leveling. TT-5, TTP, and TN have graduated circles made of metal. - The optical theodolite TT-4 is at present produced in series. The mean square deviation in angle measuring is 12". It has got cylindric axes, graduated circles made of glass and a one-sided reading on the graduated circles. On the basis of TT-4, prototypes of the theodolite TSh-1 which have already been tested successfully at the TsNIIGAIK were manufactured. In it a scale microscope has been installed instead of the microscope micrometer. (With a graduation of 1'). The technical data to TSh-1 are given. - Besides, a small theodolite TM-1 is produced in series. Its data are indicated. - The 2nd part of the present paper describes the construc-

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Modern Theodolites of Mean Accuracy

SOV/154-59-1-11/19

tion of the double-image range finders. The distance meter DNT-2 belongs to the theodolites TT-4, TT-5, TTP, TN for measuring distances between 50 and 700 m with a relative mean square deviation of 1 : 1,500. The main structural group of DNT-2 is a compensation device with lenses of double curvature, namely a positive and a negative half-lens with equal focal distance. The device permits to measure the parallactic angle with high accuracy. DNT-2 is already being produced in series. The distance meter DDI differs from DNT-2 by a special telescope with 25-fold magnification. The distance meter DDZ has a constant parallactic angle and a variable basis developed according to the scheme by Greym-Nikiforov (Greym, Candidate of Technical Sciences, and Nikiforov, Engineer). The technical data of DDZ are indicated. The instrument is being tested at present at the TsNIIGAik.

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L 29922-66 EWT(d) IJP(c)

ACC NR: AP6018587

SOURCE CODE: UR/0140/66/000/003/0003/0011

AUTHOR: Anikst, T. L. (Baku)

ORG: none

TITLE: On a mixed problem for one class of polyharmonic equations

SOURCE: IVUZ. Matematika, no. 3, 1966, 3-11

TOPIC TAGS: mixed boundary value problem, polyharmonic equation, modified Fourier method

ABSTRACT: The problem of determining the function $u(x, t)$ satisfying in a closed cylinder $\bar{D} \times [0 \leq t \leq T]$ (where $\bar{D}$ is a simply connected domain bounded by a smooth contour Γ) the differential equation

$$\Delta_x^n u = a \frac{\partial^3 u}{\partial t^3} + 2b \frac{\partial u}{\partial t} + cu + F(x, t), \quad (1)$$

with the initial conditions

$$u(x, 0) = \varphi(x), \quad \frac{\partial u(x, 0)}{\partial t} = \psi(x) \quad (2)$$

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UDC: 517.544

L 29922-66

ACC NR: AP6018587

and the system of boundary conditions

$$\Delta_q^2 u(y, t) = f_q(y, t), \quad (3)$$

$$(q = 0, 1, \dots, n-1)$$

is analyzed under the conditions that a, b, c are constants; $F(x, t)$ in a closed cylinder is continuously differentiable with respect to x up to the $(n-1)$ order and with respect to t up to the fifth order inclusive; $\phi(x)$ and $\psi(x)$ for $x \in \bar{D}$ in the domain D are continuously differentiable up to the $4n$ order inclusive; and function $f_q(y, t)$ for $y \in \Gamma$ and $0 \leq t \leq T$ is differentiable with respect to x up to the seventh order inclusive. Under the further assumption that $\phi(x), \psi(x), F(x, t)$ and $f_q(y, t)$ on the contour Γ satisfy the consistency conditions at $t = 0$, it is shown that a solution $u(x, t)$ exists and is a continuously differentiable function with respect to x up to the $2r$ order and with respect to t up to the second order inclusive. The problem is solved by the modified Fourier method already utilized by L. G. Magnaradze (Trudy matematicheskogo instituta Akademiyi Nauk Gruzinskoy SSR, v. 11, 1942, 73-96) in solving the heat conduction and wave equations. The modification of the Fourier method consists in substituting a new unknown function $v(x, t)$ for $u(x, t)$ by means of which the solution of the mixed boundary-value problem (1)–(3) is reduced to solving an integral equation with a symmetrical kernel. The solution of the integral equation is sought in the form,

$$w(x, t) = \sum_{k=1}^{\infty} T_k(t) S_k(x). \quad (4)$$

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ACC NR: AP6018587

where $S_k(x)$ is the eigenfunction of the symmetrical kernel. A system of differential equations for determining $T_k(x)$ is derived and it is proved that series (4) is uniformly convergent. Orig. art. has: 36 formulas. [LK]

SUB CODE: 12/ SUBM DATE: 16Dec64/ ORIG REF: 003/ ATD PRESS: 5011

Card 3/3

cc

ANIKUSHIN, V.; RUBINSHTEYN, S.; GUBENKO, A., doktor tekhn.nauk; KOVAL'CHUK, L.,
kand.tekhn.nauk; GODILO, P., inzh.

Rapid gluing of wood. Na stroi.Ros. 3 no.9:29-31 S '62.

(MIRA 15:12)

1. Direktor Domostroitel'nogo fanernogo kombinata No.3 Glavnogo
upravleniya promyshlennosti stroitel'nykh materialov i stroi-
tel'nykh detaley (for Anikushin). 2. Glavnyy inzh. Domostroitel'-
nogo fanernogo kombinata No.3 Glavnogo upravleniya promyshlennosti
stroitel'nykh materialov i stroitel'nykh detaley (for Rubinshteyn).
3. Tsentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh
konstruktsiy Akademii stroitel'stva i arkhitektury SSSR (for
Godilo).

(Gluing)

ANILINSKIY, I.Ya; DAVITASHVILI, L.SH; POLYAKOV, I.M., redaktor;
KISELEVA, A.A., tekhnicheskij redaktor.

[Geoffroy Saint-Hilaire and his fight with Cuvier]Zhoffua
Sent-Iler i ego bor'ba protiv Kiuv'e. Moskva, Izd-vo Aka-
demii nauk SSSR, 1955. (MLRA 8:10)

1. Deystvitel'nyy chlen AN Gruzinskoy SSR(for Davitashvili)
(Geoffroy Saint-Hilaire, Etienne, 1772-1844)
(Cuvier, Georges, 1769-1832)

ANILOVICH, V.Ya.

Elements of dynamics of shock-absorbing screens. Trudy Inst. mash.
Sem. po teor. mash. 19 no.74:5-13 '59. (MIRA 13:2)
(Screens (Mining))

ANILOVICH, V.Ya., kand.tekhn.nauk

Methods of calculating the vibration of high-speed tractors traveling over rough surfaces. Trakt. i sel'khoz mash. 33 no.12:7-10 D '63.
(MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

SENBA, B.F., inst.; ANILOVICH, V.Y., inst.

Prospective tractor types for the over-all mechanization of agri-
culture. Trakt. i sel'khoz Mash. no.7:9-11 J1 '57. (MIRA 7:57)

1. Kber'novel'sy traktorny zavod.
(Tractors)

ANILOVICH, V.Ya., inzh.; CHERNYAVSKIY, I.Sh.

Calculations for valve springs of tractor engines. Trakt. i
sel'khoz mash. no.12:14-17 D '59. (MIRA 13:3)

1.Khar'kovskiy traktorny zavod.
(Tractors--Engines--Valves)

ANILOVICH, V. Ya., Cand Tech Sci -- (diss) "Analytic methods of research into the dynamics of flat, jointed mechanisms with the application to dehydration screening machines." Khar'kov, 1960. 20 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Polytechnic Inst im V. I. Lenin); 150 copies; free; (KL, 28-60, 160)

ANILOVICH, V.Ya., inzh.

Assurance coefficient of the tractor clutch disk. Trakt. i
sel'khoz mash. 30 no.8:15-18 Ag '60. (MIRA 13:8)

1. Khar'kovskiy traktornyy zavod.
(Tractors--Clutches)

ANILOVICH, V.Ya., kand.tekhn.nauk

Vibration of wheeled tractors when driving on rough roads.
Trakt. i sel'khoz mash. 31 no.10:7-10 0 '61. (MIRA 14:12)

1. Khar'kovskiy traktorny zavod.
(Tractors)

ANILOVICH, V.Ya., inzh.

Calculating a counterbalance for relieving the crankshaft bearings
of a four-cylinder engine. Vest.mash. 41 no.1:40-41 Ja '61.
(MIRA 14:3)

(Bearings(Machinery))

ANILOVICH, V.Ya.

Some problems of analytic kinematics and dynamics of flat
multibar linkages. Trudy Inst.mash.Sem.po teor.mash. 22 no.87:
5-20 '61. (MIRA 14:8)

(Mechanical movements)

ANILOVICH, V.Ya., kand.tekhn.nauk

Method for increasing the longitudinal stability of crawler tractors
with a balancing suspension. Mekh. i elek. sots. sel'khoz. 20
no.1:7-10 '62. (MIRA 15:2)

1. Khar'kovskiy traktornyy zavod.
(Crawler tractors) (Plows)

ANILOVICH, V.Ya., kand.tekhn.nauk; LEVITANUS, A.D., kand.tekhn.nauk

Concerning some means for raising the level of design and research
work in the tractor industry. Trakt. i sel'khoz mash. 31 [i.e.32]
no.11:9-11 N '62. (MIRA 15:12)

1. Khar'kovskiy traktornyy zavod.
(Tractors)

ANILOVICH, V.Ya.; EPSHTEYN, Yu.V.

Numerical method and Fourier's series in problems of the
analysis of Assur chains with rotating pairs. Teor. mash. i
mekh. no.92/93:48-68 '62. (MIRA 16:11)

ANILOVICH, V.Ya., kand. tekhn. nauk; GORODETSKIY, I.M., inzh.; DYU-IN YU, inzh.;
FEDOROV, Yu.I., inzh.; CHERNYAVSKIY, I.Sh.

Investigating the dynamic loads in the transmission of the T-25
(T-74) tractor during starting. Mekh. i elek. sots. sel'khoz.
21 no.3:1-4 '63. (MIRA 16:8)

1. Khar'kovskiy traktornyy zavod.
(Tractors—Transmission devices)

KASHUBA, B.P.; ANILOVICH, V.Ya., kand. tekhn. nauk

Vibration insulation of the SMD-14A engine during mounting on
the T-74 tractor. Trakt. i sel'khoz mash. 33 no.6:5-9 Je '63.
(MIRA 16:7)

1. Glavnyy konstruktör Khar'kovskogo traktornogo zavoda (for
Kashuba).

(Tractors--Engines) (Engines--Vibration)

ANILOVICH, V.Ya., kand. tekhn. nauk

Method for calculating the vibration of high-speed tractors running over rough ground. Trakt. i sel'khoz mash. no.6:15-18 Je '65.

(MIRA 18:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

ANIMOVA, V. V.; PAVLOV, P. V.; MITEL'MAN, S. L.

"Problems of active immunization against scarlet."
fever.

Report submitted at the 13th All-Union Congress of Hygienists,
Epidemiologists and Infectionists. 1959

ANIN, A., LEYUNSKIY, O., REYMOV, N.

"The Decomposition of Methanol Under High Pressures". Zhur. Obshch. Khim. 10, No. 10
1940, Inst. of Chemical Physics, Leningrad Received 13, Sept. 1939.

Report U-1627, 11 Jan. 52

ANIN, B.

The sixth mine. Sov.profsoiuzny 7 no.19:28-31 0 '59.
(MIRA 13:2)
(Coal mines and mining)

ANIN, B. (g.Lipetsk)

At the Lipetsk another Magnitogorsk. Sov.profsoiuzy [8]
no.3:31-35 F '60. (MIRA 13:2)
(Lipetsk--Steel plants)

ANIN, B.

They walk toward the future. Sov. profsoiuzy 16 no.21:26-29 H '60.
(MIRA 13:10)
(Moscow--Metallurgical plants) (Socialist competition)

ANIN, B.

Work transforms the man. Sov. profsoiuzy 16 no.22:33-35 N '60.
(MIRA 14:1)
(Labor discipline)

ANIN, B.; ZUYEV, A.

The future starts today. Zdorov'e 7 no.10:16-17 0 '61.

(MIRA 14:10)

(LABOR AND LABORING CLASSES--DWELLINGS)

ANIN, B.; ZELEZNOVA, L.

When socialist competition is directed in formalistic manner.
Sov. profsoiuzy 17 no. 3:16-17 F '61. (MIRA 14:2)
(Obyan' District—Socialist competition)
(State farms) (Trade unions)

ANIN, B.; YEMEL'YANOV, B.; PEREL'MAN, V.

Man, work and communism. Sov. profsoiuzy 18 no.9:12-15 My
'62. (MIRA 15:4)

1. Spetsial'nyye korrespondenty zhurnala "Sovetskiye profsoyuzy."
(Labor and laboring classes)

ANIN, B. (Krasnoyarsk)

Along new and unexplores paths. Sov.profsciuzh 18 no.22:8-10
N '62. (MIRA 15:12)
(Socialist competition—Congresses)

ANIN, N., inzh. (Leningrad)

Vibratory unloader. Tekh. mol. 28 no. 3:8 '60.
(Vibrators) (Loading and unloading)

(MIRA 14:4)

ANIN, Yu.L.

Determining the rate of arterial flow with an oxyhemoglobinometer.
Vrach.delo supplement '57:89-90 (MIRA 11:3)

1. Klinika fakul'tetskoy terapii (i.o.zav.-dots. V.S.Balaban) i
kafedra normal'noy fiziologii (zav.-prof. F.N.Serkov) Odesskogo
meditsinskogo instituta.
(BLOOD--CIRCULATION)

ANR, Yu.L., Cand Med Sci — (diss) "Determination of the velocity of ~~the~~ arterial blood ~~current~~ ^{in *individuals*} flow in healthy ~~people~~ and in cardiovascular patients by means of a cathode oxymeter." Odessa, 1959. 15 pp (Odessa State Univ Inst of M.I. Pirogov), 230 copies. List of author's works at end of text (1944-5) (M,29-59, 131)

-68-

ANIN, Yu.L.

Home-made electrodynamic microphone attachment to the vector
electrocardioscope for phonocardiography. Vrach.delo no.2:
185-186 F '60. (MIRA 13:6)

1. Terapevticheskoye otdeleniye (zav. - Yu.L. Anin) Khersonskoy
lineynoy bol'nitsy vodnikov.
(ELECTROCARDIOGRAPHY)

ANIN, Yu.L.; LASHKAREVA, N.I.

Dissecting aneurysm of the aorta with tamponade of the heart.
Vrach. delo no.8:107-108 Ag '60. (MIRA 13:9)

1. Terapevticheskoye otdeleniye (zav - Yu.L. Anin) Khersonskoy
lineynoy bol'nitsy vodnikov.
(AORTIC ANEURYSMS) (HEART)

ANIN, Yu.L.; BARINOVA, I.F.

Diagnostic meaning of the reducing ability of blood serum (Blake's reaction). Lab.delo 7 no.11:38-40 N '61. (MIRA 14:10)

1. Terapevticheskoye otdeleniye Khersonskoy lineynoy bol'nitsy vodnikov.

(SERUM DIAGNOSIS)

ANIN, Yu. L.; DAVYDOV, B. Ya.

Malignant thymoma. Vrach. delo no.6:135-136 Je '62.
(MIRA 15:7)

1. Terapevticheskoye (zav. - Yu. L. Anin) i patologoanatomicheskoye
(zav. - B. Ya. Davydov) otdeleniye Khersonskoy bol'nitsy vodnikov.

(THYMUS GLAND---CANCER)

ANIN, Yu.L.; TARASHCHANSKAYA, S.L.; OVSYANNIKOVA, O.G.

Use of aminazine in the therapeutic departement of a municipal hospital. Vrach.delo no.12:120-121 D '62. (MIRA 15:12)

1. Terapevticheskoye otdeleniye (zav. - Yu.L.Anin) Khersonskoy lineynoy bol'nitsy vodnikov.
(CHLORPROMAZINE)

ANIN, Yu.L.

Reduction capacity of the blood serum in rheumatic patients with heart defects. Lab. delo no.1:19-21 '64. (MIRA 17:4)

1. Terapevticheskoye otdeleniye (zaveduyushchiy - Yu.L.Anin) Kpersons-koy bol'nitsy vodnikov (glavnyy vrach - Ye.A.Sklyarevskiy).

★

VENDT, V.P.;DVORNIKOVA, P.D.;ANINA, I.A.

Spectrophotometric studies on protein solutions in various pH
of medium. Doklady Akad nauk SSSR 86 no. 6:1167-1170 21 Oct
1952.
(CML 23:3)

1. Presented by Academician A. V. Palladin 19 August 1952. 2. In-
stitute of Biochemistry, Academy of Sciences Ukrainian SSR.

Properties of actin of various fish species isolated from the muscles of different animals. V. A. Anisimov and V. P. Vasil'ev. *Ukr. Zh. Biochem. Zool.* 1964, 30, 25-30 (1964). Myosin isolated from muscles of different animals at pH 8 and pH 12 exhibits in the ultraviolet absorption spectra identical in magnitude and position of the main and two curves. This is locally true of the absorption spectra of actin of different animals. There is a difference between the absorption spectra of myosin and actin of the same animal. The light absorption coefficient of actin is considerably greater and it exhibits a clear absorption band in the 290 mμ wave length region. Tyrosine, serine, phenylalanine and glycylalanine have their main absorption bands at 275-290 mμ; quantitative studies of these showed that they were present to an equal degree in myosin and actin. Changes in pH from about changes in the light absorption of myosin due to the dissociation of the hydroxyl group of tyrosine. Therefore, the absorption band exhibited by actin in the 290 mμ region indicated the presence of an unidentified substance. In the anal. of 2.3% formalin were found in actin, which have a double bond in ring B, their absorption band 295-305 mμ in the 290 mμ region. Adenine, adenosine, adenylic acid, and triphosphate, nucleic acids and the like have their main light absorption spectra in this region. A study of the relationship between the light absorption of actin to the pH of the medium pointed to the presence in actin of

some sort of aminopurine which acts upon dialysis. However, the sharp rise in the curve expressing the connection between the coeff. of light absorption and pH of the medium in the region of 295 mμ can not be explained simply on the basis of the presence in actin of adenosine triphosphate or any other aminopurine, since it was shown that the absorption coeff. of adenine compounds is independent of the pH in any wave length region. It is assumed that the rise in the coeff. of light absorption occurs due to an accumulation of chromophoric groups of the aminopurines concomitant with the increase in the pH. Such an assumption originated following the observation that the binding or removal of the NH₂ group lessens considerably the light absorption in the 290 mμ region. After hydrolysis, which breaks the bond between the nucleic acid and the protein, the absorption coeff. returned to its original magnitude. An attempt was made to label about a reaction between adenosine triphosphate and tyrosine to check on the possibility of adenosine triphosphate reacting with the protein. The results lead to the assumption that aminopurine, which is present in actin is bound to the tyrosine groups of the protein and through its amino group. On the basis of the curves indicating the effect of pH of the medium on the light absorption by actin and a comparative study of the exper. and theoretical curves of light absorption of actin, it is assumed that at pH 7-8 the chromophoric group of aminopurine is blocked and does not manifest its presence. Increasing the pH to 12 removes the block, and a supplemental light absorption takes place.

B. S. Levin

Inst. Biochemistry, Acad. Sci. Ukr. SSR

~~ANINA, I. A.~~
ANINA, I. A.

Muscle-tissue proteins of different animals. I. A. Anina (Inst. Biochem. Acad. Sci. Ukr. S.S.R., Kiev). *Otkryt. Biokhim. Zhur.* 27, 137-44 (Russian summary, 144-6) (1955).—The enzyme content and actin (I) and myosin (II) activities of muscle tissues of cat, fowl, pigeon, frog, fish, and fresh-water crayfish were investigated. The II content differed with the animal species, being highest in fish (av. 333.4 mg./g. of dry tissue) and lowest in the crayfish (av. 63.6 mg./g. of dry tissue). Muscle tissues of all contained adenonucleotriphosphatase (III) and all except the crayfish contained deaminase (IV). The III activity of II attained its optimum at different II-ion concns. in the different species tested and was activated by Ca^{++} in all species. The generally used method for isolation of I proved unsuitable for the study of muscle tissues of fish and crayfish. In these instances, 24-hr. extn. with acetone had to be used. The prepn. thus obtained from fish-muscle tissue was transposable from the globular to the fibrous state and combined with II to form a viscous actinomyosin complex. The prepn. similarly obtained from crayfish did not manifest such properties. I of cat, fowl, pigeon, and fish acted as a catalyst in transporting the P groupings from adenonucleotriphosphate (ATP) to creatine. ATP-creatinephosphotransferase of the frog was only weakly bound with I. It is conceivable that it became sepd. from it in the process of isolating the prepn. Acetone preps. of myosin B from muscle tissues of crayfish were devoid of enzyme activity. The ATP-adeninephosphotransferase activity of muscle tissue of crayfish was manifest in KCl exts. It can, therefore, be assumed that IV of crayfish is split off in the process of prepn. of III. B. S. Levine, d

ANINA, Ye.I.

Dark adaptation in glaucoma. Oft.zhur. 13 no.2:85-90 '58.

(MIRA 11:4)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo
instituta glaznykh bolezney i tkanevoy terapii im. akad. V.P.
Filatova (direktor-prof. N.A.Puchkovskaya).
(GLAUCOMA) (NIGHT VISION)

ANINA, Ye. I.

Character of elastotonometric curves in hypertension. Oft.zhur.
T5 no.2:93-98 '60. (MIRA 13:5)

1. Iz glaznogo otdeleniya (zav. - A.S. Kocherzhenko) 2-y gorod-
skoy bol'nitsy G. Khersona.
(HYPERTENSION) (EYE--EXAMINATION)

ANINA, Ye.I.

Condition of the fundus in rheumatic heart disease. Oft.
zhur. 17 no.1:50-53 '62. (MIRA 15:3)

1. Iz glaznogo otdeleniya Khersonskoy 2-y gorodskoy bol'nitsy.
(RHEUMATIC HEART DISEASE)
(EYE--DISEASES AND DEFECTS)

1ST AND 2ND ORDERS		PRINCIPLES AND PROPERTIES INDEX		1ST AND 2ND ORDERS																																																																																																																																																																																																																																																																																																																			
ANINA-RADCHENKO, N. D.																																																																																																																																																																																																																																																																																																																							
The catalase reaction in microbes of the Brucella group 1 Qualitative analysis. N. D. Anina-Radchenko <i>Zhur. Mikrobiol. Epidemiol. Immunopatol.</i> 1939, No 7-8, 105-111 (in English, 111). All of 12 strains of <i>Br. melitensis</i> and 7 strains of <i>Br. abortus</i> and a strain of <i>Br. abortus</i> was caused foaming when added to solns. of H₂O₂. A weak catalase reaction in each case could be observed when the d. of the bacterial suspension was equal to 100 organisms cc. Quick drying (within 24 hrs.) of the or- ganisms over H₂SO₄ destroys the catalase reaction. Temps. of 40-60° for 1 hr. have little effect, while 70° re- duces the reaction and 80° destroys the reaction completely. S. A. Karala																																																																																																																																																																																																																																																																																																																							
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