AP5020265 UR/0367/65/002/001/0135/0143

AUTHOR: Adamovich, M. I.; Larionova, V. G.; Lebedev, A. I.; Kharlamov, S. P.; Yagudina, F. K.

TITLE: Determination of the isotopic spin components of the $\gamma + N \rightarrow N + \pi$ amplitude at threshold

SOURCE: Yadernaya fizika, v. 2, no. 1, 1965, 135-143

TOPIC TAGS: gamma scattering, scattering cross section, differential cross section, proton scattering, photonuclear reaction

ABSTRACT: The differential cross sections for the process $\gamma + p \rightarrow n + \pi^+$ for laboratory-system pion angles 16, 24, 36, 56, 64, and 76° have been measured in the photon energy region 165-230 MeV. The experiments were performed with the FIAN (Physics Institute of the Academy of Sciences) 265-Mev electron synchrotron, using a liquid-hydrogen target. The pion detector was a stack of NIKFI BK-600 nuclear pellicles. The bremsstrahlung flux was measured with a quantum meter. The positive-pion photoproduction amplitude in the S state was obtained for zero pion momentum by extrapolating the empirical dependence of the cross section on the pion momentum to the threshold. Data on the process $\gamma + n \rightarrow p + \pi^-$ were analyzed in the same manner and the corresponding negative-pion photoproduction amplitude obtained. These amplitudes, together with the similar amplitude x for neutral-pion photoproduction, are used to

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find the isoscalar and isoscalar parts of the photoproduction amplitudes, which are compared with the theoretical predictions. The agreement is not particularly good, mostly because of the low accuracy with which the S-wave photoproduction amplitudes are known. "The authors thank Professor P. A. Cherenkov and A. M. Baldin for their interest and for a discussion of this work." Orig. art. has: 5 figures, 8 formulas, and 4 tables.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences, SSSR)

SUBMITTED: 17Jan65 ENCL: 00 SUB CODE: NP

NR REF SOV: 002 OTHER:013

Card 2/2

ADAMOVICH, M.I.; LARIONOVA, V.G.; LEBEDEV, A.I.; KHARLAMOV, S.P.; YAGUDINA, F.R.

Determining the constant of $\gamma\pi\rho$-interaction. Pis'. v red. Zhur. eksper. i teoret. fiz. 2 no. 10:490-494 N '65 (MIRA 19:1)

1. Fizicheskiy institut imeni Lebedeva AN SSSR. Submitted October 5, 1965.

ADAMOVICH, Mikhail Prokhorovich, ed.

Coal in the USSR; quality and standards. Moskva, Standartgiz, 1936-
(40-15712)

TN808.R9U4

1. Coal mines and mining - Russia. 2. Donets basin. 1. Adamovich, Mikhail Prokhorovich, ed. 11. Bersenevich, IA. V., jt. ed. 111. Russ ia (1923- USSR.) TSentral'noe biuro standartizatii slantsevoi i kamennougol'noi promyshlennosti

ADAMOVICH, N.A.

Localization of vertical direction of sound in space. Prob.fiziol. akust., Moskva 1:89-92 '49. (CLML 19:2)

1. Of the Laboratory of Special Physiology, Institute of the Brain imeni Bekhterev.

ADAMOVICH, N. A.

Dissertation: "Electrophysiological and Functional Characteristics of Afferent Impulses From the Urinary Bladder." Cand Biol Sci, Inst of Physiology imeni I. P. Pavlov, Acad Sci USSR, Moscow, Oct-Dec 53. (Vestnik Akademii Nauk, Moscow, Jun 54)

SO: SUM 318, 23 Dec. 1954

ADAMOVICH, N.A.

[redacted]

Electrophysiologic and functional characeristics of afferent impulses from the bladder. Trudy Inst. fiziol. 3:490-505 '54. (MLRA 8:2)

1. Laboratoriya elektrofiziologii. Zaveduyushchiy V.Ye.Delov.
(BLADDER, physiology,
afferent impulses, electric & funct. aspects)
(REFLEX,
bladder afferent impulses, electric & funct. aspects)

ADAMOVICH, N.A.

Electrophysiological investigations of afferent connections between the thyroid and the central nervous system [with summary in English] Biul.eksp.biol. i med. 46 no.10:8-13 O '58 (MIRA 11:11)

1. Iz laboratorii elektrofiziologii (zav. V.Ye. Delov) Institut a fiziologii imeni I.P. Pavlova (dir. -akademik K.M. Bykov) Akademii nauk SSSR, Leningrad. Predstavlena akademikom K.M. Bykovym.
(CENTRAL NERVOUS SYSTEM, physiol.
afferent electrophysiol. connections with thyroid gland (Rus))
(THYROID GLAND, physiol.
afferent electrophysiol. connection with CNS (Rus))

ADAMOVICH, N.A.

Influence of afferent impulses from the bladder on the electric activity of the cerebral cortex. Trudy Inst. fiziol. 7:385-391 '58. (MIRA 12:3)

1. Laboratoriya elektrofiziologii (zav. - V.Ye. Delov) Instituta fiziologii im. I.P. Pavlova AN SSSR.
(ELECTROENCEPHALOGRAPHY)
(BLADDER--INNERVATION)

ADAMOVICH, N.A.

Interoceptive influences from the bladder on cortical electric reactions during exteroceptive stimulations. Trudy Inst. fiziol. 7: 392-399 '58. (MIRA 12:3)

1. Laboratoriya elektrofiziologii (zav. - V.Ye. Delov) Instituta fiziologii im. I.P. Pavlova AN SSSR.
(ELECTROENCEPHALOGRAPHY) (BLADDER--INNERVATION)

EXCERPTA MEDICA Sec 2 Vol 12/8 Physiology Aug 59

3627. ELECTROPHYSIOLOGICAL INVESTIGATION OF AFFERENT CONNECTIONS OF THE THYROID GLAND WITH THE CENTRAL NERVOUS SYSTEM (Russian text) - Adamovich N. A., Pavlov Inst. of Physiol., Leningrad - BYULL. EKSPER. BIOL. I MED. 1958, 46/10(8-13) Graphs 3

Experiments were performed on cats under amobarbital anaesthesia. The potentials of afferent impulses due to various actions upon the thyroid gland were registered in the nerve supplying the thyroid gland. Three types of afferent impulse potentials were noted: relatively slow low-voltage oscillations (on heating the gland), quick oscillations with amplitudes from 10 to 100 μv. (on heating the gland and on injection of caffeine, histamine, adrenaline, and thyrotropic hormone into the thyroid artery), and quick oscillations with amplitudes of 200-220 μv. on introduction of thyrotropic hormone into the thyroid artery.

DELOV, V.Ye.; ADAMOVICH, N.A.; ZAMYATINA, O.N.

Effect of afferent impulses from visceral receptors on bioelectric activity of thalamic nuclei. Fiziol.zhur. 45 no.8: 916-923 Ag '59. (MIRA 12:11)

1. From the Laboratory of Electrophysiology, I.P.Pavlov Institute of Physiology, Leningrad.
(GASTROINTESTINAL SYSTEM, innervation)
(BLADDER, innervation)
(THALAMUS, physiology)
(ELECTROPHYSIOLOGY)

GOLIKOV, N.V., otv.red.; KRATIN, Yu.G., otv.red.; ADAMOVICH, N.A., red.; BORGEST, A.N., red.; DANILOV, I.V., red.; VASIL'YEVA, Z.A., red. izd-va; SMIRNOVA, A.V., tekhn.red.

[Problems in electrophysiology and encephalography; transactions of the first all-Union conference, Leningrad, May 8-11, 1957] Voprosy elektrofiziologii i entsefalografii; trudy 1-i Vsesoiuznoi konferentsii, Leningrad 8-11 maia 1957 g. Moskva, Izd-vo Akad. nauk SSSR, 1960. 399 p. (MIRA 13:2)

1. Vsesoyuznoye fiziologicheskoye obshchestvo. 2. Fiziologicheskiy institut im. akadm.A.A.Ukhtomskogo Leningradskogo gosudarstvennogo universiteta im. A.A.Zhdanova (for Golikov). 3. Institut fiziologii im. I.P.Pavlova AN SSSR, Leningrad (for Kratin). 4. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad (for Danilov).
(ELECTROPHYSIOLOGY)

ADAMOVICH, N.A.; DELOV, V.Ye.; ZAMYATINA, O.N.

Effect of afferent impulses from the receptors of internal organs on the bioelectric activity of the thalamic area of the brain. Nauch. soob. Inst. fiziol. AN SSSR no.1:147-149 '59. (MIRA 14:10)

1. Laboratoriya elektrofiziologii (zav. - V.Ye.Delov) Instituta fiziologii imeni Pavlova AN SSSR.
(OPTIC THALAMUS) (CONDITIONED RESPONSE)

DELOV, V.Ye.; ADAMOVICH, N.A.; BERGEST, A.N.

Influence of afferent impulses from the receptors of the internal organs on the bioelectrical activity of the cortex of the limbic lobe of the brain. Fiziol. zhur. 47 no.9:1083-1086 S '61. (MIRA 14:9)

1. Laboratoriya elektrofiziologii Instituta fiziologii imeni I.P.Pavlova AN SSSR, Leningrad.

(CEREBRAL CORTEX) (RECEPTORS (NEUROLOGY))

ADAMOVICH, N.A.

Adaptation of bladder mechanoreceptors. Dokl. AN SSSR 155 no. 3:707-710 Mr '64. (MIRA 17:5)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Predstavleno akademikom V.N.Chernigovskim.

ADAMOVICH, N.I., BORDES', A.N.

Afferent effects from the urinary bladder on the hypothalamus. Biul. eksp. biol. i med. 60 no.9:[illegible] S '65. (MIRA 18:10)

1. Laboratoriya elektrofiziologii (zav. V.Ya. Dolov [deceased]) Instituta fiziologii imeni Pavlova (dir. - akademik V.N. Chernigovskiy) AN SSSR, Leningrad.

ADAMOVICH, N.K.

KOROLEV, A.A., kandidat tekhnicheskikh nauk; KOGOS, A.M.; TOKARSKIY, A.P., NOSAL', V.V. GUREVICH, A.Ye., SHVARTSMAN, V.F.; KARPOV, V.F.; SHUL'MAN, P.G.; ADAMOVICH, N.K.; CHETYRBOK, F.M.; TSELIKOV, A.I., KUZ'MIN, A.D., kandidat tekhnicheskikh nauk; TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Blooming mill 1000] Bliuming 1000. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 271 p. (MLRA 8:8)

1. Chlen-korrespondent AN SSSR (for TSelikov)
(Rolling mills)

ADAMOVICH, P.V.; BATURIN, V.V.; VAKHVAKHOV, G.G.; VAYNGAUZ, L.G.; VILENSKIY, Ye.Ya.; GAMBURG, P.Yu.; DAVYDOV, Yu.S.; KARPIS, Ye.Ye.; KUZNETSOVA, Z.I.; KOP'YEV, S.F.; LIVCHAK, I.F.; LOBACHEV, P.V.; LEV, G.M.; MOTKIN, Ye.M.; PIRUMOV, A.I.; POLIKARPOV, V.F.; PROTOPOPOV, A.P.; REPIN, N.N.; SLADKOV, S.P.; TALIYEV, V.N.; TROITSKAYA, F.B.; FEDOROV, M.N.; SHEVELEV, F.A.; SHKABEL'NIKOVA, L.P.; SHCHUTSKIY, A.I.; SMIRNOV, L.I., inzh., nauchnyy red.; SMIRNOVA, A.P., red. izd-va; LOCHALINA, Z.S., tekhn. red.; RODIONOVA, V.R., tekhn. red.

[Present level and prospects for the development of sanitary engineering and the production of sanitary engineering equipment] Sovremennyi uroven' i perspektivy razvitiia sanitarnoi tekhniki i proizvodstva sanitarno-tekhnicheskogo oborudovaniia. Moskva, Gosstroiizdat, 1962. 283 p. (MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut sanitarnoy tekhniki.

(SANITARY ENGINEERING)

DAVYDOV, Yu.S., kand. tekhn. nauk; AGAFONOVA, L.I., inzh.; ADAMOVICH, P.V., inzh., red.

[New modernized devices and methods of automating sanitary engineering installations] Novye modernizirovannye pribory i sredstva avtomatizatsii sanitarno-tekhnicheskikh ustroistv. Moskva, Biuro proektno-konstruktorskoe, i tekhnicheskoi pomoshchi, 1962. 39 p. (MIRA 16:4)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut sanitarnoy tekhniki.
(Sanitary engineering) (Automatic control)

PEVZNER, V.B.; ADAMOVICH, S.P.; KOVALENKO, B.M.

Remote-control level measurement in tanks. Transp. i khran. nefti no.9:18-22 '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut kompleksnoy avtomatizatsii neftyanoy i gazovoy promyshlennosti.

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ACCESSION NR: AP5004677 S/0115/64/000/009/0058/0059

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AUTHOR: none

TITLE: Fourth scientific and technical conference on "Cybernetics for the improvement of measurement and inspection methods"

SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 58-59

TOPIC TAGS: cybernetics, electric measurement, electric quantity instrument, digital computer, electronic equipment, electric engineering conference

ABSTRACT: The conference was held 1-4 July at the All-Union Scientific Research Institute of Metrology by the Section of Electrical Measurements of the Council on the Problem of "Scientific Instrument Making" of the State Committee on Coordination of Scientific Research Work in the USSR together with the All-Union Scientific Research Institute of Electrical Measurement Instruments and the Leningrad Regional Administration of the Scientific and Technical Division of the Instrument Making Industry. More than 400 delegates from 29 cities of the country participated. Fifty-seven reports were heard and discussed. Reports were given by: P. V. NOVITSKIY (Leningrad)--"Definition of the Concept of Informational Error in Measurement and its Importance in Practical Use" and "On the Problem of the Average Informational Criterion of Accuracy Throughout the Entire Scale of an Instrument"; Ya. A.

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KUPERSHMIDT (Moscow)--"On Determination the Criteria of Accuracy for Measurement Devices"; S. M. MANDEL'SHTAM (Leningrad)--report on a new criterion of accuracy of measurement instruments; P. F. PARSHIN (Leningrad)--report on optimization when using Fourier transforms on electronic digital computers; S. P. DMITRIYEV, G. Ya. DOLGINTSEVA and A. A. IGNATOV (Leningrad)--proposal of a new method for solving problems of optimum filtering for non-stationary random signals and interference; I. B. CHELPANOV--"Calculation of the Dynamic Characteristics of an Optimum Complex Two-Channel System which Uses Signals from a Position Meter and from a Speed Meter"; R. A. POLUEKTOV (Leningrad)--"Optimum Periodic Correction in the Measurement of Continuous Signals"; S. P. ADAMOVICH (Moscow)--"Analysis and Construction of Devices for Correction of Non-linearity and Scaling for Unitary Codes; G. V. GORELOVA (Taganrog)--"A Method for Statistical Optimization in Graduating the Scales of Electrical Measuring Instruments"; M. A. ZEMEL'MAN (Moscow)--"Analog-Digital Voltage Converter with Automatic Error Correction"; B. N. MALINOVSKIY, V. S. KALENCHUK and I. A. YANOVICH (Kiev)--"Automatic Monitoring of the Parameters of the Electrical Signals of Complex Radio and Electronic Equipment"; V. P. PEROV (Moscow)--"Operational Cybernetics as an Independent Scientific Specialization"; Ye. N. GIL'BO (Leningrad)--"On the Problem of Effective Non-linear Scales"; A. I. MARKELOV (Moscow)--"Devices for Preliminary Processing of the Results of Measurements Presented in the Form of

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Graphic Recordings For Subsequent Introduction of the Information into Universal Digital Computers"; O. M. MOGILEVER and S. S. SOKOLOV (Leningrad)--"On a Method for Reducing Excess Information"; T. V. NIKOLAYEVA (Leningrad)--"A Device for Temporal Discretization of Continuous Signals"; A. A. LYOVIN and M. L. BULIS (Moscow)--"Optimization of the Transmission of Telemetric Information as a Means for Raising the Efficiency and Eliminating Interference"; D. E. GUKOVSKIY (Moscow)--"On a Statistic Approach to the Detection of Events in Automatic Inspection"; N. I. LANIN (Leningrad)--"Method for Calculating the Holding Time of Communications in a Centralized Inspection System or Constant Servicing Time"; O. N. BRONSHTEYN, A. L. RAYKIN and V. V. RYKOV (Moscow)--"On a Single-Line Mass Service System with Losses"; V. M. SHLYANDIN (Penza)--report on circuit designs for direct compensation electrical digital measuring instruments; A. N. KOMOV (Novocherkassk)--report on a new method for compensation of digital bridges; M. N. GLAZOV (Leningrad)--report on the problem of voltage-to-angular rotation conversion; V. S. GUTNIKOV (Leningrad)--"Methods for Construction of Frequency Capacitance Pickups with a Linear Scale"; R. Ya. SYROPYATOVA and R. R. KHARCHENKO (Moscow)--report on the determination of the amplitude-frequency and phase characteristics of PFM and PWM modulators; Ye. I. TENYAKOV (Novocherkassk)--"The Phototransistor as a Switch for Electrical Measurement Purposes"; N. V. MALYGINA (Leningrad)--a report on ways for making universal equipment for measurement of current, voltage and power; P. P. ORNATSKIY and V. I. ZOZULYA (Kiev)--reports on the construction of static voltmeters, wattmeters and

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phase motors; A. V. TRIKHANOV, I. G. SMYSHLYAYEV, N. I. SABLIN, V. M. RAZIN and V. A. GORBUNOV (Tomsk)--report on a device for automatic processing of the measurements of vibration amplitude of pneumatic hammers; L. K. RUKINA and V. G. KNORRING (Leningrad) --report on the development of a digital compensator for measuring pressure, force, etc.; N. B. DADUKINA (Leningrad)--report on a method for constructing frequency pickups for gas analysis; Ye. M. KARPOV, V. A. BRAZHNIKOV and B. Ya. LIKHTTSINDER (Kuybyshev)--reports on analysis and recording of boring speeds; Yu. V. PSHENICHNIKOV (Kuybyshev)--"A High Speed Voltage-to-Digital Code Converter for ac Pickups"; G. P. VIKHROV and V. K. ISAYEV (Vilna)--"A Highly Accurate Digital Peak-to-Peak Voltmeter"; and S. M. PERSIN (Leningrad)--"A Low Level Analog-Digital Voltage Converter."

ASSOCIATION: none

SUBMITTED: 00	ENCL: 00	SUB CODE: EE, EC
NO REF SOV: 000	OTHER: 000	JPRS

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Card 4/4

SINEL'NIKOV, A.V.; PEVZNER, V.B.; ADAMOVICH, S.P.; MOROZ, P.A.

Basic problems in the automatic control of a pipeline operating in a "pump to pump" regime. Neft. Khoz. 43 no.6:45-51 Je '65. (MIRA 18:7)

ADAMOVICH, T. N.

Metallic osteosynthesis of the hip in multiple bone injuries combined with cerebrocranial trauma. Voen.-med. zhur. no.12: 68 D '61. (MIRA 15:7)

(INTERNAL FIXATION IN FRACTURES)
(HIP JOINT--FRACTURE)
(BRAIN--WOUNDS AND INJURIES)

ADAMOVICH, T.P.; SVIRIDOV, V.V.; LOBANOK, A.D.

Particular features of crystallization in the systems of coprecipitation of copper hydroxides and trivalent iron. Dokl. AN BSSR 8 no.5:312-315 My '64. (MIRA 17:9)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina. Predstavleno akademikom AN BSSR N.F. Yermolenko.

BELITSKIY, G.Yu.; ADAMOVICH, V.A.; BASKINA, N.F.; BOBKOVA, V.V.; STROYKOVA, K.V.

Neurophysiological studies in a clinic for nervous and mental diseases. Trudy Gos. nauch.-issl. psikhonevr. inst. no.20:19-27 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy institut imeni V.M. Bekhtereva, Leningrad.
(PHYSIOLOGY)

ABRAMOVICH, G.B.; ADAMOVICH, V.A.; VOROB'YEV, S.P.; G SHEV, A.I.; DEMIDENKO, T.D.; ZAYCHIKOVA, N.A. [deceased]; RUBINOVA, R.S.; TERPUGOV, Ye.A.; SHATALOVA, A.A.; YAKOVLEVA-SHNIRMAN, I.V.

Some investigations of the clinical aspects, pathogenesis, and treatment of epilepsy. Trudy Gos. nauch.-issl. psikhonevr. inst. no.20:343-354 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy institut imeni V.M. Bekhtereva, Leningrad.
(EPILEPSY)

ADAMOVICH, V.A.; ZIL'BERMAN, N.Ye.

Electrographic method for detecting brief syncopes in epileptics. Trudy Gos. nauch.-issl. psikhonevr. inst. no.24:83-104 '61. (MIRA 15:5)

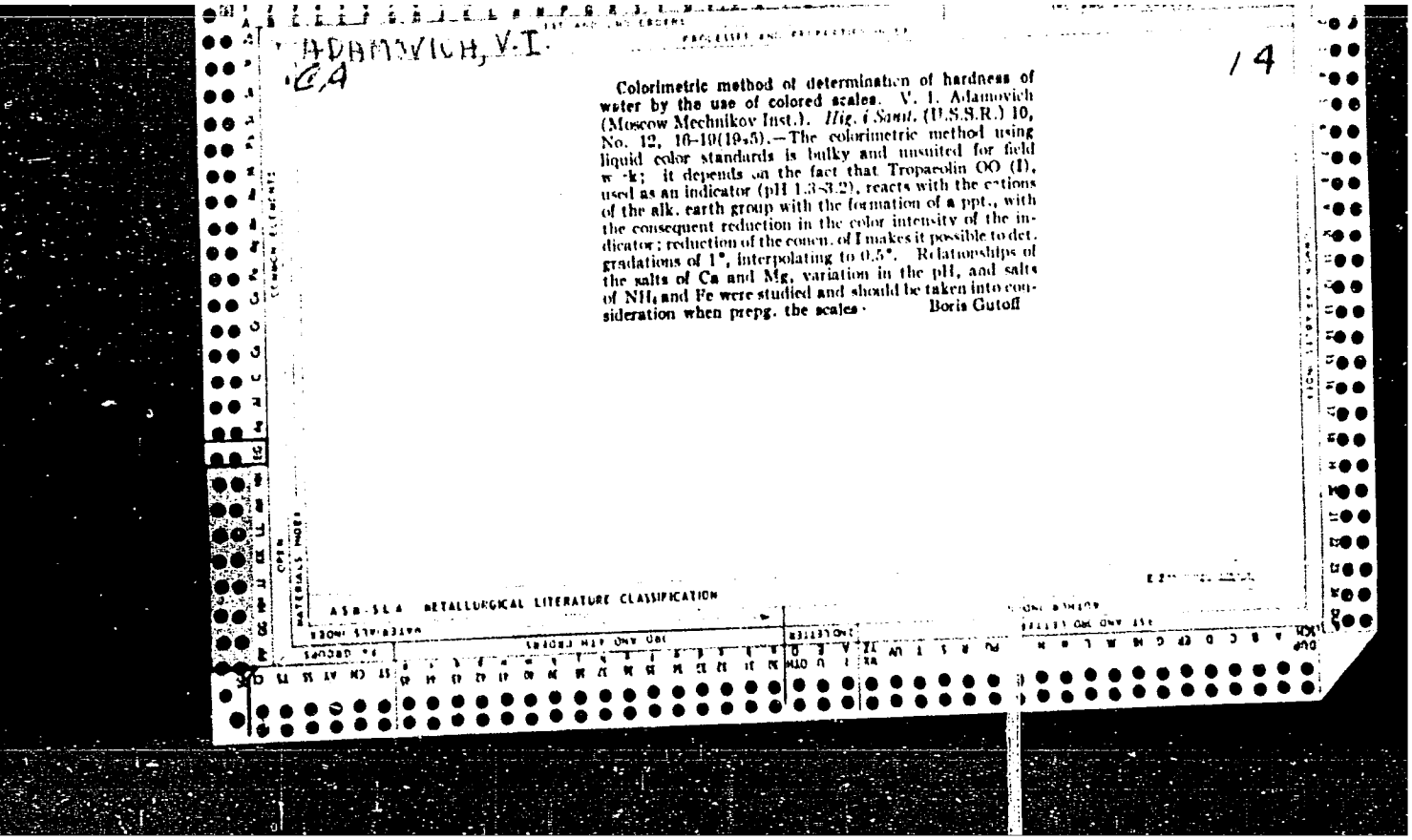
1. Eksperimental'nyy otdel patologii nervnoy deyatel'nosti Gosudarstvennogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni Bekhtereva.

(ELECTROENCEPHALOGRAPHY) (EPILEPSY)

ADAMOVICH, V.A.

Electroencephalographic indices of unconsciousness in epileptic patients. Vop.psikh.i nerv. 8:88-120 '62. (MIRA 17:4)

1. Iz otdela patologii nervnoy deyatel'nosti (zav. prof. G.Yu.Belitskiy) Leningradskogo psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (dir. - B.A.Lebedev).



ADAMOVICH, V.I.
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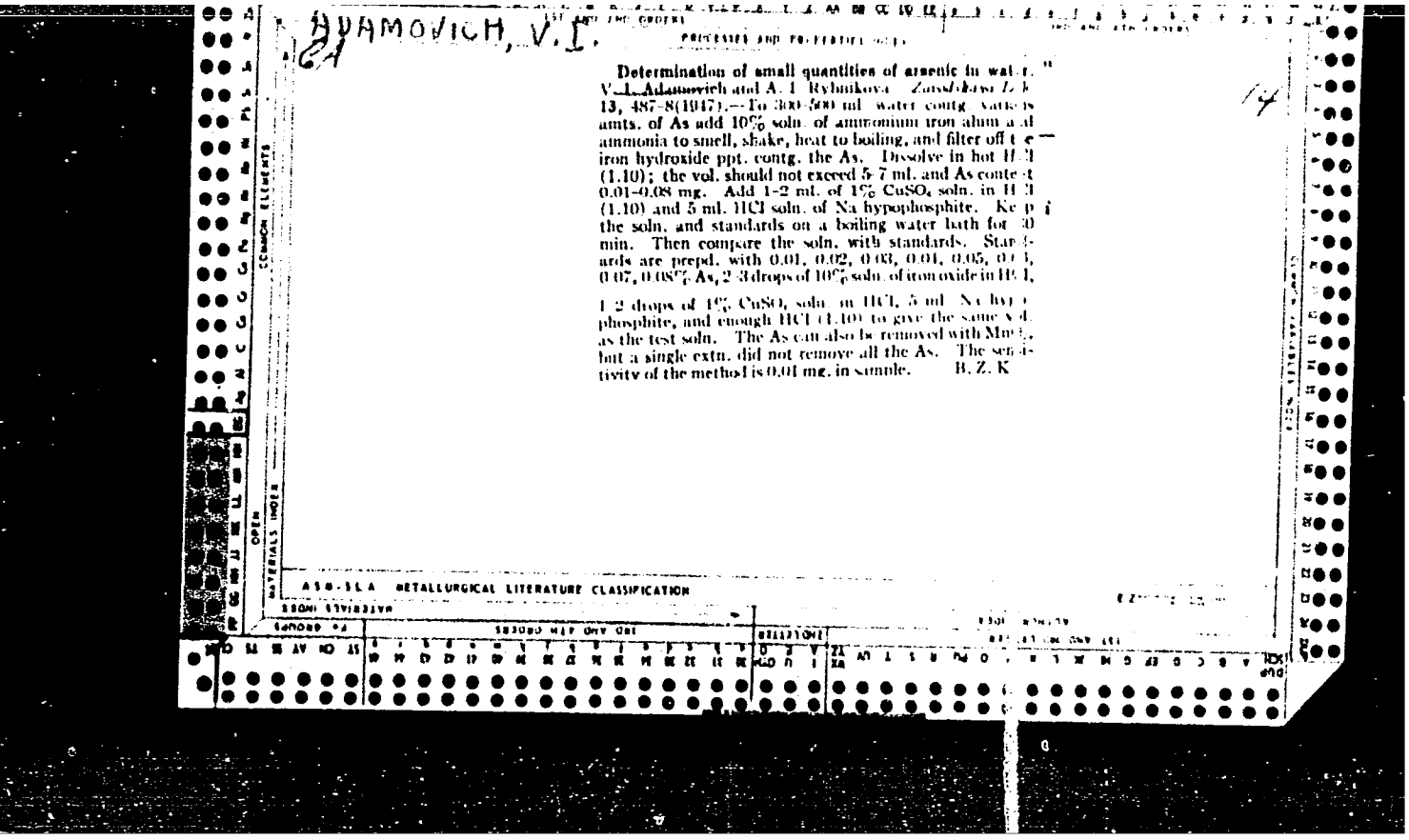
Colorimetric method of determination of hardness of water by the use of colored scales. V. I. Adamovich (Moscow Mechnikov Inst.). *Hig. i Sanit.* (U.S.S.R.) 10, No. 12, 16–19(1945).—The colorimetric method using liquid color standards is bulky and unsuited for field work; it depends on the fact that Tropaeolin OO (I), used as an indicator (pH 1.3–3.2), reacts with the cations of the alk. earth group with the formation of a ppt., with the consequent reduction in the color intensity of the indicator; reduction of the concn. of I makes it possible to det. gradations of 1°, interpolating to 0.5°. Relationships of the salts of Ca and Mg, variation in the pH, and salts of NH_4 and Fe were studied and should be taken into consideration when prepg. the scales. Boris Gutoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



ADAMOVICH, V. I.

Determination of small quantities of arsenic in water. V. I. Adamovich and A. I. Rybnikova. *Zavodskaya Lab.* 13, 487–8(1947).—To 300–500 ml. water contg. various amts. of As add 10% soln. of ammonium iron alum and ammonia to smell, shake, heat to boiling, and filter off the iron hydroxide ppt. contg. the As. Dissolve in hot HCl (1.10); the vol. should not exceed 5–7 ml. and As content 0.01–0.08 mg. Add 1–2 ml. of 1% $CuSO_4$ soln. in HCl (1.10) and 5 ml. HCl soln. of Na hypophosphite. Keep the soln. and standards on a boiling water bath for 30 min. Then compare the soln. with standards. Standards are prepd. with 0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08% As, 2–3 drops of 10% soln. of iron oxide in HCl, 1–2 drops of 1% $CuSO_4$ soln. in HCl, 5 ml. Na hypophosphite, and enough HCl (1.10) to give the same vol. as the test soln. The As can also be removed with MnO_2, but a single extn. did not remove all the As. The sensitivity of the method is 0.01 mg. in sample. B. Z. K

Determination of magnesium in water by colorimetric titration. V. I. Adamovich (Moscow Sci. Inst. Hyg. Sanit. Research). *Zavodskaya Lab.* 13, 835-7(1947).—Ordinary colorimetric detn. of Mg with Titan Yellow cannot be carried out above 2-3 mg. of Mg per l. because of flocculation. The proposed method permits the det. of Mg in natural waters when the Mg content is 5-20 mg. per l. Into a flat-bottom test tube add 1 ml. of 0.5 *N* NaOH free of carbonates, Titan Yellow, and 1 ml. of a standard soln. of Mg. If the Mg standard soln. is 5 mg. per l., use 0.2 ml. of 0.02% Titan Yellow soln. For 10 mg. Mg per l. of standard soln. use 0.35 ml. of the Titan Yellow soln. and for 15 and 20 mg. Mg. per l. of standard soln., use 0.6 and 0.8 ml. of 0.02% Titan Yellow soln., resp. The exact amt. and concn. of Titan Yellow soln. is best detd. experimentally in each case. Into a similar test tube add the same quantities of NaOH and Titan Yellow and titrate with the analyzed water to the same color. The relative error of this method is up to 10%.

M. Hirsch

ADAMOVICH, V.I.; KUNTSEVICH, I.M.; FISHER, I.Z.

Short-range order near an excited molecule in a liquid. Zhur. fiz. khim. 37 no.11:2568-2570 N'63. (MIRA 17:2)

FISHER, I.Z.; ADAMOVICH, V.I.

Density fluctuations in water. Zhur.strukt.khim. 4 no.6:819-823 N-D '63. (MIRA 17:4)

1. Belorusskiy gosudarstvennyy universitet.

ADAMOVICH, V.K.

Estimation of the neutron irradiation dose capable of changing the mechanical properties of pure metals. Atom. energ. 15 no.5:430-432 N '63. (MIRA 16:12)

ADAMOVICH, V.L.; FEL'DMAN, Yu.M.

Problem of methods for the detection of natural foci of tularemia. Zhur.mikrobiol.epid.i immun. 31 no.9:71-76 S '60. (MIRA 13:11)

1. Iz Volynskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(TULAREMIA)

ADAMOVICH, V.L.

Geographical distribution of ixodid ticks by different landscape types in the Volyn' area of Polesye. Zool. zhur. 40 no.5:676-685 '61. (MIRA 14:5)

1. Volynsk Regional Sanitary-Epidemiological Station.
(Volyn' Province--Ticks)

ADAMOVICH, V.L.

Zoological and parasitological characteristics of a natural tularemia nidus in western Polesye of the Ukrainian S.S.R. Zool. zhur. 41 no.9:1297-1305 S '62. (MIRA 15:11)

1. Otdel osobo opasnykh infektsiy Volynskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.

(Polesye--Tularemia)
(Animals as carriers of disease)

ADAMOVICH, V.L.

Landscape-related epidemiological characteristics of a natural tularemia focus in the western Polesye of the Ukrainian S.S.R. Zhur.mikrobiol.,epid. i immun. 41 no.5:45-50 My '64.

(MIRA 18:2)

1. Volynskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya.

SHIBANOV, F.V., prof.; GAVRILENKO, V.S.; SMUROVA, T.F.; ADAMOVICH, V.N.

System for an antibacterial treatment of pulmonary tuberculosis.
Sov.med. 21 no.12:63-69 D '57. (MIRA 11:3)

1. Iz kafedry tuberkuleza I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(TUBERCULOSIS, PULMONARY, ther.
PAS, streptomycin & N-(4-hydroxy-3-methoxy) benzal isonicotinic acid hydrazone (Rus)

ADAMOVICH, V.N.

Problems of treating tuberculosis by climatological therapy at a health resort. Probl.tub. 35 no.2:113-115 '57. (MIRA 10:6)
(TUBERCULOSIS) (CLIMATOLOGY, MEDICAL)

[illegible]OVICH, V.N.., Cand Med Sci—(diss) "Relapses and exacerbations of pulmonary tuberculosis after a completed effective artificial pneumothorax." Mos, 1958. 18 pp (First Mos Order of Lenin Med Inst im I.M. Sechenov), 200 copies (KL,45-58, 151)

-133-

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100320010-4"

ADAMOVICH, V.N., SAPOZHNIKOVA, L.S., KOVALEVA, S.I.

"Clinical and experimental studies on tuberculosis." Probl.tub. 36 no.3:111-114 '58 (MIRA 11:5)
(TUBERCULOSIS)

ADAMOVICH, V.M., aspirant

Recurrence of tuberculosis following terminated effective artificial pneumothorax [with summary in French]. Probl.tub. 36 no.5:26-31 '58 (MIRA 11:8)

1. Iz kafedry tuberkuleza I Moskovskogo ordena Lenina meditsinskogo instituta (zasluzhenny deyatel' nauki prof. F.V. Shebanov).

(PNEUMOTHORAX, ARTIFICIAL, compl.. postop. recur. (Rus))

ADAMOVICH, V.N.

Clinical aspects and treatment of recurrent and exacerbated pulmonary tuberculosis after terminated effective pneumothorax. Probl.tub. 38 no.4:56-62 '60. (MIRA 14:5)
(PNEUMOTHORAX) (TUBERCULOSIS)

ADAMOVICH, V.N., kand.med.nauk

On side effects in combined antibacterial therapy of pulmonary tuberculosis. Klin.med. 38 no.10:24-28 O '60. (MIRA 13:11)

1. Iz kafedry fakul'tetskoy terapii (zav. - dotsent R.M. Ginzburg) Stalinskogo meditsinskogo instituta imeni A.M. Gor'kogo (dir - dotsent A.M. Ganichkin) na baze Stalinskoy oblastnoy klinicheskoy bol'nitsy imeni M.I. Kalinina (glavnyy vrach - kand.med.nauk B.V. Shaparenko).

(TUBERCULOSIS)

ADAMOVICH, V.N.

Results of compound therapy in tuberculosis involving artificial pneumothorax and antibacterial preparations. Sov.med. 25 no.1: 96-100 Ja '61. (MIRA 14:3)

1. Iz kafedry tuberkuleza (zav. - zasluzhennyy deyatel' nauki prof. F.V.Shebanov) I Moskovskogo ordena Lenina Meditsinskogo instituta imeni I.M.Sechenova.
(PNEUMOTHORAX) (TUBERCULOSIS)

ADAMOVICH, V.N., kand.med.nauk

Significance of artificial pneumothorax in the compound treatment of tuberculosis. Vrach. delo no.5:51-56 My '61. (MIRA 14:9)

1. Stalinskiy meditsinskiy institut.
(PNEUMOTHORAX) (TUBERCULOSIS)

ADAMOVICH, V.N., kand.med.nauk

Data on bacillary diseases in Stalino. Probl.tub. no.5:7-10 '61. (MIRA 15:1)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. A.Ya. Gubergrits) Stalinskogo meditsinskogo instituta imeni Gor'kogo (dir. - dotsent A.M. Ganichkin).
(DONETSK—TUBERCULOSIS—STATISTICS)

[illegible], [illegible], [illegible], I. P., [illegible], [illegible], [illegible], I. A., [illegible], A. G., [illegible], [illegible], [illegible], [illegible], [illegible]

"[illegible] in the [illegible] SSR." p. [illegible]

[illegible] (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October [illegible]), [illegible], 195[illegible], Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 [illegible].

Basin Sanitary-Epidemiological Station, Public Health Min. Uk SSR/Kiev

ADAMOVICH

Prevention of scale formation in sulfite-alcohol liquor evaporators. B. M. Zaltsev, E. A. Adamovich, A. T. Chumadurov, A. P. Kostarev, and V. I. Ivatov. *Gidroliz. i Lesokhim. Prom.* 8, No. 4, 13–14(1955).—The formation of scale in evaporators condensing the substrate from the sulfite-alc. process has been efficiently prevented by mixing $CaSO_4.2H_2O$ with the liquor going to evaporators in connection with a new design of the lower part of evaporators. Smooth round shape form hinders accumulation of sludge at the bottom of evaporators. This improvement has cut the necessity of chem. cleaning, in which 0.3% AcOH soln. for stainless-steel equipment and 1.5% HCl for parts made of Cu has been used, to a min.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100320010-4"

ADAMOVICH, Ye.M.

Treatment of perforating gastric and duodenal ulcers. Khirurgiia, Moskva no. 2:46-48 Feb 1953. (CIML 24:2)

1. Of the Surgical Division (Head -- Honored Physician RSFSR Ye. A. Shefter), Kaluga Oblast Hospital.

ADAMOVICH, G.M.

Twelve years' experience in treating perforating ulcers of the stomach and duodenum. Vest.khir. 75 no.3:124-215 Ap '55.(MLRA 8:7)

1. Iz khirurgicheskogo otdeleniya Kaluzhskoy oblastnoy bol'nitsy.
(STOMACH--ULCERS)
(DUODENUM--ULCERS)

ADAMOVICH, Z. A.;KUNTSEVICH, D.Ye.

Clinical aspect and roentgenologic diagnosis of cancer of the small intestine. Ter. ark., Moskva 23 no. 6:70-72 Nov-Dec 1951. (CLML 21:3)

1. Of the Department of Faculty Therapy (Head -- Prof. I. Yu. Kayryukshtio)and of the Department of Faculty Surgery and Roentgenology (Head — Docent K. G. Katilyus) of the Medical Faculty of Vil'nyus State University.

ADAMOVICH-GERASIMOV, V.A.

Characteristics of the higher nervous activity in dogs with the strong type of nervous system combined with a passive defensive reaction. Trudy Inst.fiziol.AN BSSR 3:3-12 '59.
(MIRA 13:7)

1. Laboratoriya vysshey nervnoy deyatel'nosti Instituta fiziologii AN BSSR.

(CONDITIONED RESPONSE) (DOGS)

ADAMOVICH-GERASIMOV, V.A. [Adamovich—Herasimau, V.A.]

Producing trace differentiations in dogs distunguished by different types of the nervous system. Vestsi AN BSSR. Ser. biial. nav. no.3:91-93 '60. (MIRA 14:1)
(CONDITIONED RESPONSE)

ADAMOVICH-GERASIMOV, V.A. [Adamovich-Herasimau, V.A.]

Formation of retarded conditioned electric defense reflexes in dogs. Vestsi AN BSSR. Ser. biial. nav. no.2:59-63 '61. (MIRA 14:7)
(CONDITIONED RESPONSE)

ADAMOVICH-GERASIMOV, V.A. [Adamovich-Herasimau, V.A.]

Formation of differentiations in conditioned trace defense reflexes in dogs. Vestsi AN BSSR. Ser. biial. nav. no.3:71-78 '61. (MIRA 14:10)

(CONDITIONED RESPONSE)

ADAMOVICH-GERASIMOV, V.A.

Role of the mobility of nervous processes in conditioned trace reflexes of dogs with different types of the higher nervous activity. Dokl.AN BSSR 6 no.2:130-133 F '62. (MIRA 15:2)

1. Institut fiziologii AN BSSR. Predstavleno akademikom AN BSSR V.A.Leonovym.

(CONDITIONED RESPONSE)

GRINSHTEYN, I.M.; ADAMOVICH, Ye.A.; ANTONOVA, Ye.V.

Corrosion resistance of stainless steels in aggressive media of hydrolysis industries. Gidroliz.i lesokhim.prom. 15 no.8: 22-23 '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-spirtovoy promyshlennosti.
(Steel, Stainless--Corrosion) (Hydrolysis)

ADAMOVICI, A.V.

Selecting constructive dimensions and work parameters for the pistons of automobile engines. Constr mas 15 no.5:396-398 My '63.

SAVITSKIY, I.V.; ADAMOVSKAYA, E.I. (Odessa)

Role of the nervous system in the mechanism of cancerolytic reaction. Pat.fiziol. i eksp.terap. 3 no.2:68 Mr-Ap '59. (MIRA 12:6)

1. Iz nauchno-issledovatel'skoy laboratorii Ministerstva zdravookhraneniya Ukrainskoy SSR (zav. - prof.I.V.Savitskiy).

(ANALEPTICS, eff.
on cancerolytic properties of blood in exper. cancer and sleep ther. (Rus))
(SLEEP, eff.
on cancerolytic properties of blood in exper. cancer (Rus))
(NEOPLASMS, exper.
eff. of analeptics & sleep ther. on cancerolytic properties of blood (Rus))

SAVITSKIY, I.V.; ADAMOVSKAYA, I.I.

Role of the nervous system in the mechanism of the action of anti-reticular cytotoxic serum on cutaneous and vascular absorption capacity. Fiziol.zhur. (Ukr.) 2 no.3:115-122 My-Je '56. (MLRA 9:10)

1. Institut yeksperimental'noi biologii i patologii imeni akademika O.O.Bogomol'tsya i Odes'kiy farmatsevtichniyinstitut
(SERUM) (NERVOUS SYSTEM)
(SKIN) (BLOOD VESSELS)

ADAMOVSKIY, A.G., inzhener

Mechanizing small auxiliary operations in stamping buffer beams. (MIRA 8:11)
Tekh.zhel.dor.7 no.10:29 O '48.
(Railroads--Rolling stock)

ADAMOVSKIY, A.G., inzhener.

A poorly designed screw-friction press. Vest. mash. 36 no.6: 46 Je '56. (MLRA 9:10)

(Power presses)

ADAMOVSKIY, I.A.; GREN', V.I.; PANKOV, P.A.; LAPIDUS, M.A., red.; PEVZNER, V.I., tekhn.red.

[The first machine-tractor station] Pervaia MTS. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 155 p. (MIRA 11:1)
(Machine-tractor stations)

ADAMOVSKIY, I.I.

For further widening and strengthening of international contacts in the canning field. Kons. i ov.prom 12 no.7:1-3 Jl '57. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.
(Canning and preserving--Congresses)

GUSAKOVSKIY, Zakhariy Pavlovich; OCHKIN, Vasiliy Alekseyevich; ADAMOVSKIY, I.I., retsenzent; UR'YASH, F.G., retsenzent; BELOUSOV, D.P., spets. red.; KORBUT, L.V., red.

[Technology of canned meat] Tekhnologiia miasnykh konservov. Moskva, Pishchevaia promyshlennost', 1964. 293 p. (MIRA 17:10)

KOLESNIKOV, S.; ADAMOVSKIY, S.

Odessa health resort grows and develops. Okhr. truda i sots. strakh. 5 no.5:21-22 My '62. (MIRA 15:5)

1. Nachal'nik Odesskogo territorial'nogo kurortnogo upravleniya (for Kolesnikov). 2. Doverennyy vrach Odesskogo oblastnogo soveta professional'nykh soyuzov (for Adamovskiy).
(Odessa Province—Health resorts, watering places, etc.)

ADAMOVSKY, Miloslav; BLAHUSKOVA, Jana

Indirect polarographic determination of the diphenic acid.
Chem prum 14 no.2:89-91 F'64

1. Vyzkumny ustav pro koksochemii, Ostrava.

Czechoslovakia

ADAMOVSKY, Vladimir

Realisierung von Verbesserungsvorschlaegen in der CSR

SO: Erfindungs und Vorschlagswesen, December 1955, Unclassified.

ADAMOVSKY, V.

A correct decision made in the L. and C. Hardmuth pencil plant of the National Koh-I-Noor Enterprise concerning the expansion of the improvers' movement.

P. 59, (Sbirke Vynalezu) Vol. 6, no. 3, Mar. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

ADAMOWA, L.; KRYLOWA, W.

The ruble in the service of cost accounting and control. p. 432. PRZEGLAD KOLEJOWY (Wydawntctwa Komunikacyjne) Warszawa. Vol. 6, no. 11, Nov. 1954.

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 4, no. 12, December 1955

EXCERPTA MEDICA Sec 11 Vol 11/11 O. R. L. Nov 58

2038. A RARE CASE OF MYOBLASTOMA OF [illegible]
myoblastoma krtani - Adamkowicz H. Klin. Otolaryngol. A.M., Warszawa
- OTOLARYNG. POL. 1958, 12/1 (67-71) Illus. 2

Description of a 44-year-old woman with a 10-year history of sore throat, cough, and disturbances of swallowing and speech. On examination of the larynx a small tumour in the interarytenoid space was found, sticking to the internal surface of the right arytenoid and reaching to the posterior commissure and to the back wall below the right arytenoid. The tumour was removed and had the histological features of a myoblastoma. Twenty months after the operation the patient was in good condition.

Bethlem - Amsterdam (XI, 5, 16)

EXCERPTA MEDICA Sec 11 Vol 12/11 O. R. L. Nov 59

2076. A CASE OF GIANT OSTEOMA OF THE FRONTAL SINUS - Przypadek olbrzymiego kostniaka zatoki czolowej - Adamowicz B. Klin. Otolaryngol. A.M., Warszawa - POL. TYG. LEK. 1959, 14/2 (71-73) Illus. 6

The tumour developed for 12 yr., reaching giant dimensions. The growth penetrated the anterior cranial cavity, causing damage to the interior laminae of the sinus as well as to the frontal lobes of the brain. Moreover, because of penetration to the left orbits, the eyeball was displaced downwards and to the left. Surgery was performed, the osteoma being removed as a whole. Its weight was 120 g. The post-operative course was without any complications. (XI,5,16)

ADAMOWICZ, Boleslaw

2 cases of neurilemmoma of the larynx and tongue. Polski tygod. lek. 16 no.27:1039-1041 3 Jl '61.

1. Z Kliniki Otolaryngologicznej A.M. w Warszawie; kierownik: prof. dr med. J. Szymanski.

(NEURILEMMOMA case reports) (LARYNX neopl)
(TONGUE neopl)

P/045/62/022/002/002/002
B102/B186

AUTHOR: Adamowicz, Leszek

TITLE: The molecular field method applied to the determination of the antiferromagnetic hyperstructures in simple cubic lattices

PERIODICAL: Acta Physica Polonica, v. 22, no. 2(8), 1962, 195 - 198

TEXT: The conditions under which what kind of hyperstructures may occur in simple cubic lattices can be determined by the molecular field method (P. W. Anderson, Phys. Rev. 79, 705, 1950. Van Vleck, Journ. de Phys., 12, 262, 1951). The designation of the classification is that used by H. Cofta (Acta Phys. Polon. 19, 759, 1960). General formulas are given for the asymptotic temperature Θ and the Néel temperature T_N. Here holds the equity $\Theta = -12(A_1 + 2A_2)S(S + 1)/3k$, where A_1 and A_2 are exchange integrals for the first and second neighbors respectively, S is the spin quantum number and k is the Boltzmann constant. For a natural hyperstructure (Cofta), where the magnetic lattice decomposes into two

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The molecular field method...

cubic face-centered sublattices, $T_N = 12(2A_2 - A_1)S(S + 1)/3k$ is obtained, so that $\Theta/T_N = 2/(1 - 2A_2/A_1) - 1 = X$. In this case the orientation of the atomic spins is antiparallel in the first coordination sphere and parallel in the second. In the case of a hyperstructure having the symmetry (001), $\Theta/T_N = -3X$ is obtained, whereas $\Theta/T_N = 3$ holds for the symmetry (110)-(1$\bar{1}$0). The trend of the curves $\Theta/T_N = f(A_2/A_1)$ is shown for these cases. Ferromagnetism ($A_2/A_1 > 0$) alone occurs if $A_{1,2} < 0$, hyperstructure in (001)-symmetry ($A_2/A_1 < -1/4$) or ferromagnetism ($-1/4 < A_2/A_1 < 0$) occurs if $A_1 > 0$, $A_2 < 0$; natural hyperstructure also occurs if $A_1 < 0$, $A_2 > 0$, whereas either natural ($0 < A_2/A_1 < 1/4$) or hyperstructure occurs in (110)-(1$\bar{1}$0)-symmetry ($A_2/A_1 > 1/4$) if $A_{1,2} < 0$. There are 2 figures and 1 table.

Card 2/3

The molecular field method...

ASSOCIATION: Institut de Physique Theorique, Universite A. Mickiewicz, Poznan et Laboratoire des Ferromagnetiques, Institut de Physique, Académie Polonaise des Sciences, Poznan (Institute of Theoretical Physics, University A. Mickiewicz, Poznań, and Laboratory of Ferromagnetics, Physics Institute, Polish Academy of Sciences, Poznań)

SUBMITTED: November 30, 1961

Card 3/3

L 14378-63 EWT(1)/BDS AFFTC/ASD IJP(C)

ACCESSION NR: AP3001816 P/0045/63/023/005/0553/0556

AUTHOR: Adamowicz, Leszek 54 52

TITLE: Molecular field treatment of some antiferromagnetic superstructures in a body-centered cubic lattice (work done at the Institute of Theoretical Physics of the A. Mickiewicz University in Poznan).

SOURCE: Acta physica polonica, v. 23, no. 5, 1963, 553-556

TOPIC TAGS: crystal symmetry, molecular field, antiferromagnetic superstructure, body-centered cubic lattice, body-centered cubic superstructure, symmetry, magnetism.

ABSTRACT: The paper gives the results of study of all the superstructures of bcc lattices known to the author, to which molecular field method can be applied, the general dependence of the Neal temperature upon the numbers of unlike neighbors for the first and second neighborhood. Discussion of all combinations of signs of exchange integrals for first and second-nearest neighbor interactions shows the possibility of appearance of three orders only: ferromagnetic, natural and non-symmetric isotropic.

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L 14378-63
ACCESSION NR: AP3001816

2

Orig. has 2 graphs, 1 diagram, 3 numbered equations.

"The author is very much indebted to Dr. H. Cofta for his valuable remarks and help."

ASSOCIATION: Politechnika Warszawska, Katedra Fizyki Ogolney "D" (Warsaw Polytechnic, Chair of General Physics "D"), Warsaw.

SUBMITTED: 17Jul62 DATE ACQ: 01Jul63 ENCL: 01

SUB CODE: PH NO REF SOV: 000 OTHER: 008

Card 2/2

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100320010-4"

WOLINSKI, W.; ADAMOWICZ, T.; NOWICKI, M.; KAZMIROWSKI, A.

Optimum composition of the He and Ne mixture in a laser.
Bul Ac Pol tech 12 no.7:541-546 '64.

1. Department of Electron Instruments of the Technical University, Warsaw. Presented by J. Groszkowski.

WOLINSKI, Wieslaw; ADAMOWICZ, Tadeusz

Infrared radiation pulsed sources. Rozpr elektrotechn 9 no.1/2: 137-164 '63.

1. Katedra Radiotechniki, Politechnika, Warszawa.

[redacted] Pasikowski, Bohdan; Wolinski, Wieslaw; Adamowicz, Tadeusz; B

[redacted]

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100320010-4"

ACCESSION NR: AP4045929

ACCESSION NR: AP4011798 P/0053/63/000/012/0682/0690

AUTHOR: Woliński, Wiesław; Adamowicz, Tadeusz

TITLE: Pulsed infrared generators

SOURCE: Przegląd elektroniki, no. 12, 1963, 682-690

TOPIC TAGS: IR, IR generator, pulsed IR generator, photocathode, striking potential, Ag-O-Cs cathode, AR-filled tube, Kr-filled tube, Xe-filled tube, light source, pulsed light source

ABSTRACT: The article reviews some of the research work performed on pulsed light sources for IR purposes. Low-pressure tubes filled with Ar, Kr and Xe intended for operation with a type Ag-O-Cs photocathode are described. All tube electrodes are tungsten and primary electrodes are lined with tungsten coils. Striking potential as a function of filler gas pressure was tested on a pumping unit consisting of a Devag 40/1 pump, OF30 oil diffusion pump, resistance gage, oil manometer and bottles containing spectrally-pure Ar, Kr and Xe. Three identical tubes were soldered to the pump stand passage. One of these

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ACCESSION NR: AP4011798

gases was introduced into a tube after prior degassification of the glass and electrodes, and the striking potential was measured in an electrical system. Measurements were carried out in a manner to attain a product value p x d = 600 tropospheres/cm (d - electrode spacing in cm; p - pressure in tr). After the characteristic $U_z = F(p)$ had been measured, the tubes were removed from the pump passage, each at a different pressure of 20, 40, and 60 tr; three series of tubes for Ar, Kr and Xe filling were thus obtained. The Paschen curve for the characteristic $U_z = f(p \times d)$ is in harmony with theory. Minimal striking potential is lowest for Xe, somewhat higher for Kr and highest for Ar. Values of the product $(pd)_{opt}$ corresponding to $(U_z)_{min}$ decrease with increase of the atomic mass of the gas. Photo flash bulbs were also tested. Xe works very well in the system Ag-O-Cs - photo flash bulb in IR as well as in UV. The relative radiation energy received by an Ag-O-Cs photocathode illuminated by tubes filled with Ar, Kr and Xe increases with rise of energy supplied to the tubes. Authors conclude that a tube filled with Xe under a pressure of 40 to 60 tr is the best one to use in conjunction with a photocathode of Ag-O-Cs type. Orig. art. has: 11 figures.

ASSOCIATION: Katedra przyrządów elektronowych (Department of Electronic Devices)

Card 2/2

ADAMOWICZOWA, Stanislawa

Distribution of Heine-Medin disease in various parts of the world.
Przegl. epidem. 8 no.2:139-143 1954.
(POLIOMYELITIS, epidemiology,)

ADAMOWICZOWA, Stanislawa

Quantitative evaluation of losses from tuberculosis. Gruzlica 28 no.8:645-659 Ag '60.

1. Z Panstwowego Zakladu Higieny w Warszawie Kierownik: prof. dr M.Kacprzak
(TUBERCULOSIS statist.)

CIOLEK, Antoni, inz.; PTASINSKI, Zbigniew, inz.; SLUSARCZYK, Stanislaw, inz. MICHALOWSKI, Teofil, inz.; ADAMOWSKI, Henryk, mistrz.

Increase of the masimum power of WK-50-1 turbines decreasing simultaneously the consumption of steam per unit. Gosp paliw 11 Special issue no.(95):12-13 Ja '63.

1. Elektrownia Jaworzno II.

CICLEK, Antoni, inż.; PTASINSKI, Zbigniew, inz.; SLUSARCZYK, Stanislaw, inz.; MICHALOLWSKI, Teofil, inz.; ADAMOWSKI, Henryk, mistrz

Increase of the maximum power of WK-50-1 turbines decreasing simultaneously the consumption of steam per unit. Gosp paliw 11 Special issue no. (95):12-13 Ja '63.

1. Elektrownia Jaworzno II.

ADAMOWSKI, Jan

Engineer Spionek's fiberglass thread. Przegl techn no.42:6 19 O '60.

CHOJNOWSKI, J.R., [redacted], H.

Complications of anticoagulant therapy of coronary diseases and their relation to aging processes of the organism. Pol. tyg. lek. 19 no.33:1279-1281 17 S '64.

1. Z II Kliniki Chorob Wewnetrznych Wojskowej Akademii Medycznej w Lodzi (kierownik: doc. dr med. J.R. Chojnowski).

L 14630-66 EWT(m)/ETC(f)/EPF(n)-2/EWG(m) WW
ACC NR: AP6008158 SOURCE CODE: PO/0046/65/010/007/0443/0452

AUTHOR: Kacprzynski, Jerzy--Katspshyn'ski, Y.; Adamska, Hanna--Adamska, Kh. 57 B

CRG: Department of Fluid Mechanics and Gases, Institute of Fundamental Problems of Technology, PAN, Warsaw (Zaklad Mechaniki Cieczy i Gazow, Instytut Podstawowych Problemow Techniki, PAN)

TITLE: Selfexcited vibration of nuclear reactor fuel channels with water cooling 19

SOURCE: Nukleonika, v. 10, no. 7, 1965, 443-452

TOPIC TAGS: water cooled nuclear reactor, flow velocity, vibration, computer calculation

ABSTRACT: An attempt was made to explain the self-excited vibration of nuclear reactor fuel channels on the basis of hydro-flutter. The fuel channel was in the form of a very long tube fixed vertically with water flowing both outside and inside. It was assumed that the mean flow velocity is uniform and constant and that a small unsteady perturbation described by the velocity potential is superimposed. The equation of vibration of the channel treated as a beam submerged in a flowing fluid was derived and solved by the Galerkin method. The influence of

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L 14630-66
ACC NR: AP6008158

the directions and the magnitudes of the internal flow velocities on the regions of instabilities was examined. A numerical example solved on the Elliott-803 B computer, showed that self-excited vibration of nuclear reactor fuel channels may be explained on the basis of hydro-flutter. Orig. art. has 3 figures and 3 formulas.
[NA]

SUB CODE: 18 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003

Card 2/2

ADAMSKA-MARCINKOWSKA, Halina

Pyruvic acid in internal diseases. Pol. arch. med. wewnet. 35 no.8:1283-1287 '65.

1. Z II Kliniki Chorob Wewnetrznych AM w Lodzi (Kierownik: doc. dr. med. J.R. Chojnowski).