POLAND/Cosmochemistry, Geochemistry, Hydrochemistry. D.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46328

total salts - 5.8 to 316.3; Cl - 1.17 to 187.2; I - 0.01 to 0.144; H_2CO_3 - 0.15 to 10.22; SO_4 - 0.009 to 5.50; Ca - 0.01 to 5.53; Mg - 0.005 to 1.657; Na + K - 1.9 to 121.9. It is pointed out that these waters can be sued for iodine production, as well as curative waters (they are compared with mineral waters from health resorts).

Card 2/2

CHAJEC, W.

Mineral waters, a source of valuable minerals. p. 15.
(GEOLOGIA. Vol. 10, no. 1. 1956, Krakow, Poland)

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

11(4) PHASE I BOOK EXPLOITATION POL/2407

Wojnar, J., Professor, Engineer; Wł. Chajec, Master in Science; Br. Fleszar, Master in Engineering; H. Glaser, Master in Engineering; J. J. Głogoczowski, Doctor, Docent; H. Górka, Engineer, Docent; B. Manasterski, Doctor, Engineer; F. Mitura, Docent, Master in Science; St. Niementowski, Docent, Engineer; J. Ostaszewski, Docent, Engineer; St. Suknarowski, Doctor, Professor; L. Tomaszkiewicz, Engineer; and A. Waliduda, Docent, Engineer

Dwanście lat pracy Instytutu Naftowego, 1945 - 1956 (Twelve Years Work of the Petroleum Institute, 1945 - 1956) Katowice, WG-H, 1957. 130 p. Errata slip inserted. 1,555 copies printed.

Tech. Ed.: S. Miszto.

PURPOSE: This book is intended to introduce readers to the development and activities of the (Polish) Petroleum Institute from 1945 to 1956.

COVERAGE: The book describes the organizational structure and activities of the Petroleum Institute since its foundation in

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Krosno in 1945. It includes photos of buildings, laboratories, equipment, and personnel of the Institute, and gives the names of the scientists. A bibliography of publications of the Institute is included. The Institute cooperates with scientific institutes of 16 foreign countries.

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Twelve Years Work (Cont.) POL/2407

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10-21-59

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CHAJEC, W.

Chemical characteristics of ddep waters in the Polish Carpathian Mountains and their foreland. p. 308

NAFTA (Instytut Naftowy) Krakow, Poland, Vol. 15, no. 11, Nov. 1959

Monthly list of East European Accession (EEAI) LC., Vol. 9, No 1, Jan. 1960

Uncl.

CHAJEC, Wl., mgr

Completion of the construction of the Iodine Works in Debowiec near Skoczow. Nafta 21 no.3:94 Mr '65.

ASKANAS, A.; CHAJECKA, M.; OKOLSKA, W.; ZALEWSKI, T.

Observations on an endemic infection caused by pathogenic strains of Escherichia coli. Pediat. Pol. 37 no.1:17-22 Ja '62.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie Kierownik: prof. dr med. H. Brokman i z Laboratorium Panstwowego Szpitala Klinicznego nr 3 Kierownik: dr med. L. Tomaszewski.

(ESCHERICHIA COLI INFECTION in inf & child)

CHAJECKA, Maria; SALAMON-RURARZ, Zofia; OSICKA, Krystyna

The frequency and duration of breast feeding in a large city. Pediat. pol. 39 no.1:77-84 Ja'64

1. Z Zakladu Rozwoju Dziecka (Kierownik: doc.dr.med. M.Chajecka) Instytutu Matki i Dziecka w Warszawie (Dyrektor: prof. dr. med. B.Gornicki).

*

CHAJECKA-PASZKIEWICZ, M.

Control of rheumatic fever in children in the Gdansk region. Pediat. polska 24 no.9:815-818 Sept 50. (CIML 20:6)

1. Activity of Pediatric Consultation Clinic for Rheumatic Diseases of the Regional Central Clinic for Maternal and Children's Welfare in Gdansk (1948-1949).

CHAJECKA PASZKIEWICZ M.

Excerpta Medica Sec 7 Vol 9/5 May 55 Pediatrics

1181. CHAJECKA-PASZKIEWICZ M., PIELOWSKI J. and BOJOWA E. Odd. Noworodków Klin. Położnictwa, Chor. Kobiecych Akad. med., Gdańsku; Klin. Chor. Nerwowych Akad. med., Gdańsku; Zakł. Anat. pat. Akad. med., Gdańsku. *Przypadki toskoplasmozy wrodzonej. Congenital toxoplasmosis POL. TYG. LEK. 1954, 9/8 (241-244)

A detailed clinical description of 6 cases, presenting meningo-encephalitic symptoms. Three of these infants died, but at the post-mortem histopathological examination toxoplasmas were not found. The diagnosis was based on positive serological tests with children and their mothers. In none of the cases were any changes found in the eyes nor any calcifications in the central nervous tissue. It is supposed that toxoplasmosis is so infrequently diagnosed because the investigations are not made in the right direction.

Bogdanowicz - Warsaw (XX, 7, 8)

CHAJECKA-PASZKIEWICZ, Maria (Warszawa, ul. Mokotowska 51/53 m 2)

Pathological mechanism of injuries of the central nervous system following birth injury. Polski tygot. lek. 9 no.42:1345-1350 18 Oct 54.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Akademii Medycznej w Gdansku; dyrektor prof. H.Gromadzki, p.o. dyrektora doc. dr S.Soszka.

(CENTRAL NERVOUS SYSTEM, wounds and injuries, birth inj.)
(DELIVERY, complications, birth inj. with CNS sequalae)
(WOUNDS AND INJURIES, CNS, in birth inj.)

CHAJECKA-PASZKIEWICZ, Maria

Intragastric administration of oxygen in asphyxia neonatorum and collapse of prematures. Polski tygod. lek. 9 no.43:1382-1385 25 Oct 54.

1. Z Kliniki Polosnictwa i Chorob Kobiecych A.M.G.; dyrektor: prof. dr H.Gromadski p.o. dyrektora: doc. dr S.Sosska.

(ASPHYXIA NEONATORUM, therapy,
oxygen, intragastric admin.)
(INFANT, PREMATURE, diseases,
collapse, ther., intragastric oxygen)
(SHOCK, in infant and child,
premature, ther., intragastric oxygen)
(OXYGEN, therapeutic use,
asphyxia neonatorum & collapse in premature)

CHAJACKA-PASZKIEWICZ, Maria

Encephalitis in children. Pediat. polska 29 no.7:731-736 July 54.

1. Z Kliniki Chorob Zakaznych Wieku Dziecicego Akademii Medycznej w Warszawie. Kierownik: prof. dr med. J.Bogdanowicz.
(ENCEPHALITIS, in infant and child, statist. analysis)

CHAJECKA-PASZKIEWICZ, Maria; SLOMOWNA-WALEJKO, Barbara; SZTABA, Romuald

Diagnostic difficulties in a case of perityphlic tuberculosis (perityphlitis tuberculosa). Pediat. polska 33 no.8:959-962 Aug 58.

1. Z Kliniki Terapii Chorob Dziecięcych A. M. w Warszawie Kierownik: prof. dr med. H. Brokman Z Zakładu Radiologii Pediatrycznej A. M. w Warszawie Kierownik: prof. dr med. K. Rowinski Z Kliniki Chirurgii Dziecięcej A. M. w Warszawie Kierownik: prof. dr med. J. Kossakowski. Adres: Warszawa, ul. Dzialdowska 1/3.

(TUBERCULOSIS, GASTROINTESTINAL, in inf. & child
perityphlic, diag. problems (Pol))

CHAJKOWSKI, Jerzy Wojciech

Treatment of human erysipeloid. Polski tygod. lek. 9 no.19: 594-497 10 May 54.

1. Z ambulatorium chirurgicznego przy Szpitalu Miejskim we Wloclawku; dyrektor dr med. St.Bocianski.

(ERYSIPELOID, therapy, human)

CHAJKOWSKI, Jerzy Wojciech

CHAJKOWSKI, Jerzy Wojciech (Wloclawek, Plac Wolnosci 1 m 2.)

Two-stage rupture of the spleen. Polski przegl. chir. 29 no.8: 791-797 Aug 57.

1. Z chirurgicznego oddzialu Szpitala Miejskiego im. H. Swiecickiego we Wloclawku. Ordynator: dr R. Sernicki Praca wplynela: 19. 11. 1956 r.
(SPLEEN, rupture,
two-stage, case reports (Pol))

CHAJKOWSKI, Jerzy Wojciech

Benign tumors of the stomach. Polski tygod.lek. 15 no.24:921-923 13 Je '60.

1. Z Oddzialu Chirurgicznego Szpitala Miejskiego im. H.Swiecickiego we Wloclawku; ordynator: dr med. R.Sernicki
(STOMACH NEOPLASMS case reports)
(LEIOMYOMA case reports)

CHAJKOWSKI, M.

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[illegible] in [illegible] dogs. F. Stański and M. C[illegible] (Ann. Univ. M. Curie-Skłodowska, 1950, 5, 341—[illegible]).—[illegible] was not followed by increase in histiocytes in the viscera or lymph nodes.

R. Truscoe.

CHAJKOWSKI, Mieczyslaw(Pulawy)

Reticulo-endothelial immune serum (REIS) in treatment of horses' wounds. Rocz nauk roln wet 70 no.1/4:92-94 '60.

(KRAI 10:9)

(Horses) (Reticulo-endothelial system) (Immunity)
(Serumtherapy) (Wounds)

POLAND

CHAJKOWSKI, Mieczyslaw; and MATRAS, Jadwiga, Experimental Center of Veterinary Service (Osrodek Badawczy Sluzby Weterynaryjnej)

"The Use of Fluorescent Antibodies in the Diagnosis of Anthrax Infection"

Lublin, Medycyna Weterynaryjna, Vol 22, No 10, Oct 66; p. 581-583

Abstract [English summary modified]: Immunofluorescent diagnosis was both more reliable and much more rapid than Kopeloff-Beerman staining procedure in diagnosis of anthrax as found in mice inoculated with Bacillus anthracis 284. 2 tables, 2 Polish, 4 Soviet, 10 Western references.

CHAJTMAN, Seweryn, doc.dr

On the possibilities of mechanizing the work of the engineers and technicians and the administrative staff of industrial enterprises. Pt. 2. Przegl techn no.14:7,8 8 Ap '62.

CHAK, A., inzh.

Double cleaning of grain at drying and cleaning towers. Muk.-elev. prom. 26 no.10:7-8 O'60. (MIRA 13:10)

1. Ministerstvo khleboproduktov RSFSR.
(Grain--Cleaning)

PUSHKANTSEV, B.N., inzh.; CHAK, A.B., inzh.

Mechanization of grain loading. Mekh. i avtom. proizv. 17 no.12:20-25 D'63. (MIRA 17:2)

CHAKABAYEV, S.Ye.

Discovery of marine Paleogene foraminifera in the Ili Valley. Izv. AN Kazakh.SSR.Ser.geol. no.21:100-105 '55. (MLRA 9:8)
(Ili Valley--Foraminifera, Fossil)

S.Ya.

CHAKABAYEV, Ye.S.; LI, A.B.

Depositional factors and chemistry of underground waters in Quaternary sediments of the eastern Ili Valley. Izv. AN Kazakh. SSR. Ser. geol. no.2:92-98 '58. (MIRA 12:5)
(Ili Valley--Water, Underground)

CHAKABAYEV, S.Ye.

Thermal waters of the Ili depression and the possibilities of utilizing them in the national economy. Vest. AN Kazakh.SSR 14 no.9:94-99 S '58. (MIRA 11:11)
(Ili Valley--Water, Underground) (Heating)

SATPAYEV, K.I.; POLOSUKHIN, A.P.; BAISHEV, S.B.; CHOKIN, Sh.Ch.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; KUSHEV, G.L.; SHCHERBA, G.N.; MONICH, V.K.; MEDOYEV, G.TS.; LAVROV, V.V.; BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; ZHILINSKIY, G.B.; KAYUPOV, A.K.; KAZANLI, D.N.; KOLOTILIN, N.F.; MUKHAMEDZHANOV, S.M.; SATPAYEVA, T.A.; VEYTS, B.I.; GAZIZOVA, K.S.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; BYKOVA, M.S.; MITHYAYEVA, M.M.; VOLKOV, A.N.; CHAKABAYEV, S.Ye.; YARINSKAYA, M.A.; KHAYRUTDINOV, D.Kh.

On the 60th anniversary of the birth of I.I. Bok, Academician of the Academy of the Kazakh S.S.R. Vest.AN Kazakh.SSR 14 no.10:95-96 O '58. (MIRA 11:12)

(Bok, Ivan Ivanovich, 1898-)

AVROV, P.Ya.; CHAKABAYEV, S.Ye.

Geological prerequisites for the development of the petroleum and gas industries in Kazakhstan in 1959-1965. Izv. AN Kazakh. SSR. Ser. geol. no.2:83-90 '59. (MIRA 13:2)
(Kazakhstan--Petroleum industry)
(Kazakhstan--Gas, Natural)

11(2) SOV/31-59-3-6/14

AUTHORS: Li, A.B., Chakabayev, S.Ye., Filip'yev, G.P.

TITLE: On Gas Layers in the Ili Depression (O gazoproyavleniyakh v Iliyskoy vpadine)

PERIODICAL: Vestnik Akademii nauk Kazakhskoy SSR, 1959, Nr 3, pp 51-53 (USSR)

ABSTRACT: This article deals with gas layers recently discovered in oil well drilling in Iliyskaya and Karkarinskaya depressions (Iliyskaya i Karkarinskaya vpadiny). Most of the layers were found in the Iliyskaya depression, where the data supplied by careful investigation of a prospecting well on the right bank of the Ili river three km east of the Borokhudzir Ferry (Borokhudzirskaya pereprava), are of foremost importance. As to composition, the gases of the Iliyskaya and Karkarinskaya depressions can be roughly subdivided into nitrogen and nitrogen-methane gases. Typical examples of nitrogen gases are the gases of the Ili prospecting well, associated in the main with Pliocene deposits. All the other gas layers exclusively associated

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with Miocene sand-clay deposits can be referred to as the second type. The appearance of nitrogen-methane gases has been observed in sections of tectonic disturbances, in the majority of cases. This apparently explains their scarity and the small volume of concentration. It is assumed that the gas layers of the younger strata of the Ili depression owe their origin to powerful Jurassic carbonaceous and bituminous deposits. The gas layers of the Karkarinskaya depression may have been formed by Miocene-Oligocene bituminous slates. The low content of organic matter in the Pliocene and also the Miocene rocks suggests that the burning gases contained in these deposits are genetically connected with deeper horizons of the mesozoic era and tertiary deposits. The disjunctive disturbances, apparently play the role of migration routes. The assumption that the gases migrated from deeper horizons is underlined by the presence of helium in some gases. Helium was recently ascertained in a number of "Krelius wells" ("krelyusnyye skvazhiny")

on the Dzhambyl-Bastauskaya Structure (Dzhambyl-Bastauskaya struktura). The gas layers of the tertiary strata are of no practical interest. They can be considered as positive symptoms of the possible existence of gas layers in mesozoic deposits.

CHAKABAYEV, S. Ye., LI, A. B.

Chemical and thermal characteristics of waters in Cretaceous and Tertiary sediments in the eastern part of the Ili Valley. Izv. AN Kazakh. SSR. Ser. geol. no.1:64-73 '60.
(MIRA 13:8)
(Ili Valley--Water, Underground)

CHAKABAYEV, S.Ye., LI, A.B., FILIP'YEV, G.P.

Conditions governing pool formation and the chemistry of waters of Cenozoic sediments of the Koyby structure zone. Vest.AN Kazakh.SSR 16 no.7:51-58 Jl '60. (MIRA 13:8)
(Ili Valley--Water, Underground)

CHAKABAYEV, S.E.

Marine Paleogene deposits of the Ili Depression. Dokl.AN SSSR 133 no.4:925-927 Ag '60. (MIRA 13:7)

1. Institut geologicheskikh nauk Akademii nauk KazSSR. Predstavleno akad. A.L.Yanshinym.
(Ili Valley--Geology, Stratigraphic)

CHAKABAYEV, S.Ye.; IMASHEV, N.U.; TOKAREV, V.P.; KONONOV, Yu.S.; KORSUN, P.Ye.; VOTSALEVSKIY, E.S.; IVANOV, V.A.; FARAFONOVA, N.V.; SHAKHOVOY, A.I.

Uzen' gas and oil field; outline of geology and oil and gas potentials. Izv. AN Kazakh. SSR. Ser. geol. 21 no.4:16-30 Jl-Ag '64. (MIRA 17:11)

1. Institut geologii i geofiziki, Gur'yev.

L 17899-63 EWT(d)/EWP(k)/EWT(l)/EWP(q)/EWT(m)/BDS AFFTC/ASD Pf-4
JD/HM/HW/JH
ACCESSION NR: AP3004558 S/0125/63/000/008/0083/0086

AUTHOR: Skakun, G. F.; Chakalev, A. A.

TITLE: Spot welding of sintered aluminum powder with D16AT and AMg6 alloys

SOURCE: Avtomaticheskaya svarka, no. 8, 1963, 83-86

TOPIC TAGS: SAP, SAP sheet production technique, D16AT-alloy spot welding, AMg6 alloy spot welding, SAP spot welding, SAP-D16AT weld strength, SAP-AMg6 weld strength, SAP-D16AT weld microstructure, SAP-AMg6 weld microstructure, SAP-D16AT spot welding, SAP-AMg6 spot welding, SAP-D16 spot welding

ABSTRACT: Spot welding of SAP alloy (6.8% Al_2O_3) with D16AT [AA 2024; T, temper designation meaning hard] and AMg6 (0.5—0.8% Mn, 5.8—6.8% Mg, 0.02—0.16% Ti) alloy sheets was studied. Cold-compacted SAP billets were annealed for 2 hr at 680C, extruded into flat bars at 500C, rolled at 450—500C with a 1.5—2-mm reduction per pass into strip 3—4-mm thick, and finally cold rolled with a 0.5-mm reduction per pass into sheets 1- or 2-mm thick. The sheets were dense and sound; tensile strength was 31—32 kg/mm^2 at room temperature and 5—6 kg/mm^2 at 500C. The optimum welding conditions and the strength of the spot welds produced are

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ACCESSION NR: AP3004558

given in Table 1 of Enclosure. Welding time is a very critical factor; metal expulsion and cracking occur in D16AT and AMg6 alloys with prolonged welding time. Some pickup of the welded material by the electrodes occurs, but 15—20 spots can be made without cleaning the electrode. The room temperature shear strength of the spot welds is about the same as that of spot-welded joints of D16AT and AMg6. In shear tests, failure of SAP-D16AT and SAP-AMg6 spot welds occurs through ductile shear; in pull tests the whole spot is usually torn out. Microscopic and x-ray examination revealed no pores, voids, cracks, or metal expulsion. Compared with the initial microhardness of SAP material — 80 to 84 kg/mm^2 — the microhardness of the weld metal varies from 31 kg/mm^2 in the oxide-poor portion of the weld to 85—90 kg/mm^2 in the oxide-rich portion. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: Moskovskiy aviatsionny*y tekhnologicheskiy institut (Moscow Aviation Technological Institute)

SUBMITTED: 04Dec63 DATE ACQ: 27Aug63 ENCL: 01

SUB CODE: MA, ML NO REF SOV: 000 OTHER: 000

Card 2/3

ACCESSION NR: AP4040698 S/0135/64/000/006/0016/0019

AUTHOR: Chmalev, A. A. (Engineer); Zaytsev, V. I. (Engineer); Skakun, G. F. (Candidate of technical sciences); Mel'nikov, Yu. V. (Engineer)

TITLE: Vacuum-tight seam welding of MA8 alloy

SOURCE: Svarochnoye proizvodstvo, no. 6 (630), 1964, 16-19

TOPIC TAGS: magnesium manganese cerium system, magnesium manganese alloy, cerium containing alloy, MA8 alloy, alloy welding, seam welding, alloy weld, vacuum tight weld, airtight weld

ABSTRACT: The conditions for obtaining airtight seam-welded joints in sheets of MA8 magnesium alloy (1.5—2.5% Mn; 0.3% each Al and Zn; 0.15—0.35% Ce; 0.05% each Cu and Fe; 0.02% Be; 0.15% Si; 0.01% Ni) have been determined. Flat specimens, assembled from sheets of the same or different thickness which varied from 1 to 4 mm, and shells 400, 800, and 1500 mm in diameter, made from 1.5-mm sheets and reinforced with outside ribs 1.8-mm thick, were seam welded. To compensate

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ACCESSION NR: AP4040698

for poor reproducibility of physical and technological properties of weldments and the unstable characteristics of welders, double seams overlapping one another on 40—50% of their width were used. Both mechanical and chemical methods of surface cleaning were found equally satisfactory. Fusion of the thinner sheet up to 60% of its thickness can be tolerated since it causes no metal overheating, crack formation, decrease of corrosion resistance of the weld, or leaky joints. In welding circumferential seams the nugget thickness, particularly in the inner sheet, decreased with decreasing shell diameter. Hence, the geometry of the joined surfaces should be taken into account in the selection of welding conditions in order to avoid inadequate fusion or overheating. Seam welding of sheets of dissimilar thickness with a thickness ratio of 1:3 or higher produced satisfactory joints only with the use of an MA8 alloy insert, 0.1- or 0.3-mm thick, between the electrode and the thin sheet. Special electrodes with intensive inner water cooling have been designed for seam welding of MA8 and other magnesium alloys. With these electrodes welding speeds as high as 60—70 spots per minute can be attained. The tightness of joints was tested with a helium leak detector. Orig. art. has: 7 figures and 2 tables.

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CHAKALEV, A.A., inzh.; ZAYTSEV, V.I., inzh.; SHAKUN, G.F., kand. tekhn. nauk; MEL'NIKOV, Yu.V., inzh.

Hermetic seam welding of the MA8 alloy. Svar. proizv. no.6: 16-19 Je '64 (MIRA 18:2)

1. Moskovskiy aviatsionnyy tekhnologicheskiy institut.

KUDRYAVTSEV, Ye.V.; CHAKALEV, K.N.

Theory of the all-purpose electronic calorimeter method. Trudy MTIPP 15:30-40 '60. (MIRA 16:2)

(Calorimetry)

69964

S/170/60/003/01/01/023
B022/B007

24.5500

AUTHORS: Kudryavtsev, Ye. V., Chakalev, K. N.

TITLE: A Universal Electron Calorimeter

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 1, pp. 3 - 9

TEXT: The authors constructed a universal electron calorimeter, which is destined for the simultaneous determination of the actual absolute values of heat capacity, heat conductivity, heat from phase transformations (melting heat), of latent heat, as well as of electrical conductivity within a large temperature range. The main characteristics of the new calorimeter are the improved regulation of the electron current and the removal of secondary-electron emission, as well as its operation under non-steady thermal conditions of the sample. The heated sample in the evacuated electron calorimeter serves as anode from which the cathode, which serves as electron source, is located at a distance of 150 mm (Fig.3). The heat flow q is proportional to the energy of the electrons, i.e., the current density j. On the basis of this relation all thermo-physical parameters and the electrical conductivity of the sample may be determined. The universal electron calorimeter consists of the calorimeter proper, the electrical measuring instrument, the

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A Universal Electron Calorimeter

S/170/60/003/01/01/023
B022/B007

high-temperature-, and the vacuum apparatus (Fig. 1). The calorimeter body consists of two perpendicular quartz tubes (Fig. 2). The electronic circuit is given (Fig. 3). In the electric circuit an oscilloscope of the type POB-12,[3] loop galvanometers of the types GBSh-3[3] and GBSh-1, and a voltmeter of the type 134422,[3] class 1, were used for the purpose of measuring the anode current. In the high-temperature part a control potentiometer PP or an oscilloscope of the type POB-12, and in the vacuum part a diffusion oil pump of the type TsVL-100[3] with a fore pump of the type VN-461[3] were used. The vacuum was controlled by means of a thermovacuometer of the type VT-2[3] and an ionization manometer of the type VI-3.[3] The theoretical fundamentals of the method were checked by calculations. When calculating the absolute values of the quantities measured on the basis of readings of calorimetric measurements, the following sources of error must be taken into account: 1) Correction for the radiation of the sample. 2) Correction for the error in determining the distance due to fastening the thermocouple. 3) Errors of measuring devices. 4) Other sources of error. As test material, a silver sample with an Ag content of 99.99% was used. The coefficients of heat capacity and heat conductivity of this sample, determined by means of the universal electron calorimeter, are compared with the results obtained by other authors (Tables 1,2). Measurements carried out on porous bronze (Table 3) showed that

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A Universal Electron Calorimeter

69964

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the results measured by means of the device described are well reproducible. There are 3 figures, 3 tables, and 11 references, 7 of which are Soviet.

ASSOCIATION: Energeticheskiy institut AN SSSR im. G. M. Krzhizhanovskogo, g.Moskva (Institute of Power Engineering of the AS USSR, imeni G. M. Krzhizhanovskiy, City of Moscow)

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Card 3/3

KUDRYAVTSEV, Ye.V.; CHAKALEV, K.N.

Calorimetric method for checking techniques used in determining boundary conditions in nonstationary heat exchange. Trudy MIIT no.139:131-134 '61. (MIRA 16:4)

1. Energeticheskiy institut AN SSSR.
(Heat—Transmission) (Thermodynamics)

CHAKALEV, K.N.

PHASE I BOOK EXPLOITATION SOV/5909

Kudryavtsev, Yevgeniy Vasil'yevich, Konstantin Nikolayevich Chakalev, and Nikolay Vasil'yevich Shumakov

Nestatsionarnyy teploobmen (Nonstationary Heat Exchange) Moscow, Izd-vo AN SSSR, 1961. 156 p. Errata printed on the inside of back cover. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Energeticheskiy institut im. G. M. Krzhizhanovskogo.

Resp. Ed.: A. S. Predvoditelev, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: G. B. Gorshkov; Tech. Ed.: L. V. Yepifanova.

PURPOSE: This book is intended for specialists interested in heat-exchange problems.

COVERAGE: Methods of investigating the boundary conditions of heating (cooling) in solid bodies are discussed. These methods are free from the restrictions of the regular-regime method and the exponential methods, and are said to have

Card 1/4

been developed by the authors. Particular attention is given to measuring methods and to the application of established formulas for computing boundary conditions of nonstationary heat exchange. Stationary and nonstationary heat regimes are also discussed. The authors thank Engineers L. D. Kalinnikov and O. I. Luneva. There are 37 references: 31 Soviet, 4 German, 1 English, and 1 Italian.

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Nonstationary Heat Exchange SOV/5909

1. Influence of the dimensions and material of the solid body on the process of nonstationary heat exchange 118
2. Explaining the established effective nonstationary conditions of the process 140
3. Conditions of similarity in nonstationary heat exchange 143
4. On conformity of the significance of the heat-exchange coefficients in stationary and nonstationary regimes 150

Bibliography 156

AVAILABLE: Library of Congress

SUBJECT: Physics

AD/wrc/gmp

Card 4/4 3-5-62

CHAKALEV, K. N., and KUDRAYVTSEV, G. V.

"Standardization of a Heat Flow."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

39517
S/649/61/000/139/011/018
I028/I228

24.5200

AUTHOR: Kudryavtsev, E. V. and Chakalev, K. N.

TITLE: A calorimetric method of testing the determination of boundary conditions in non-stationary heat exchange

SOURCE: Moscow. Institut inzhenerov zheleznodorozhnogo transporta. Trudy, no. 139. 1961. Teoriya podobiya i yeye primeneniye v teplotekhnike; trudy pervoi mezhvuzovskoy konferentsii, 131–134

TEXT: The paper describes a universal electronic calorimeter for measuring the radiant heating of solid bodies. A cylindrically-shaped specimen serves as an anode, heated by means of bombarding electrons from a glowing cathode. The heat flow q, which can be varied, is given by the formula

$$q = 0.86\, jU \tag{1}$$

where $j = i/S$ = the density of the electron current on the bombarded surface, V = the anode tension. The initial temperature t_0 of the specimen is established by means of an electric heater. Temperatures $t(\tau)$ (τ = the time) during the experiment are measured at two different points by thermocouples, and recorded on

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S/649/61/000/139/011/018
I028/I228

an oscillograph, together with the current and tension. The heat flow q is determined by means of (1). This permits us to determine empirically the relationship $t(x,\tau) - t_0 = f(q)$, which agrees well with the theoretical one, obtained by the method of successive intervals (which splits the time τ into a series of intervals, in each of which the heat flow is assumed to be constant). There are 2 figures.

ASSOCIATION: Energeticheskiy institut AN SSSR (Institute of Energetics, AS USSR)

S/170/62/005/004/004/016
B102/B104

10.3100

AUTHOR: Chakalev, K. N.

TITLE: Heating of plates when the heat-exchange surface is shifted

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 5, no. 4, 1962, 25 - 30

TEXT: The problem of heat exchange on the surface of an infinitely large plate is considered under the assumption that physicochemical processes take place on the surface. An approximate solution is derived under simplifying assumptions. The plate is placed in a medium whose temperature is higher than the melting temperature of the plate material. The initial temperature distribution is uniform. The sought equation should give a relation between the coordinates of the melting front and the temperature change in any point of the plate. Also the heat flow inside the solid part of the plate is determined. The results are obtained as arithmetic series, i. e., sums of terms of the form $(a_n - b_{n-1})\exp(\mu\sum_{i=1}^{m} Fo_i)$, $n,i=1,2,3,\ldots m$, or similar exponential terms. The relations can be used to determine the propagation rate of the melting

Card 1/2

Heating of plates when...

zone. The solutions can be obtained with first-order boundary conditions. There are 8 references: 6 Soviet and 2 non-Soviet.

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo g. Moskva (Power Engineering Institute imeni G. M. Krzhizhanovskiy, Moscow)

VB

SUBMITTED: January 7, 1961

KUDRYAVTSEV, Ye. V.; CHAKALEV, K. N.; LUNEVA, O. I.

Standards for heat flow measurement. Teplo- i massoper. 1: 140-145 '62. (MIRA 16:1)

1. Energeticheskiy institut im. G. M. Krzhizhanovskogo.

(Calorimetry)

CHAKALIN, I.

"Experiments in Growing Spindle Trees. Tr. from the Russian." p.43
"The January Discussions with the Executives, Bookkeepers, and Planners at the Central Forest Administration." p.44
(GORSKO STOPANSTVO Vol. 9, No. 1, Jan. 1953 Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9, Oct. 1953, Uncl.

IVANOVA, Ye.V. [Ivanova, E.V.]; CHAKALINSKAYA, I.I.

Research on the cultivation of some introduced tannin plants.
Vestsi AN BSSR. Ser. biial. nav. no. 4:38-41 '60. (MIRA 14:1)
(White Russia--Rumex) (White Russia--Knotweed)
(Tanning materials)

STSYAPANAU, B.I.; CHAKALINSKAYA, Yu.I.

Optical properties of alyer system with a negative coefficient of absorption. Vestsi AN BSSR.Ser.fiz.-tekh.nav. no.1:42-48 '62. (MIRA 16:9)

(Absorption of light)

CHAKALINSKAYA, Yu. I.

~~STEPANOV, B.I.~~

S/201/63/000/001/005/007
D234/D308

AUTHORS: Stsyapanav; B.I. and Chakalinskaya, Yu.I.

TITLE: Effect of coatings on the intensity of radiation of plane parallel layers under conditions of generation

PERIODICAL: Akademiya navuk Byelaruskay SSR. Vyestsi, Syeryya fizika-tekhnichnykh navuk, no. 1, 1963, 46-51

TEXT: The authors consider an active layer 2 placed between two coatings 1 and 3, and derive expressions for radiation flows

$$S_{3\to 1}=\frac{v}{\alpha}\frac{\left(-k_0 l-\ln\frac{1}{\sqrt{R_{21}R_{23}}}\right)T_1}{\sqrt{R_{21}}\left(\frac{1}{\sqrt{R_{21}}}+\frac{1}{\sqrt{R_{23}}}\right)(1-\sqrt{R_{21}R_{23}})}, \qquad (10)$$

$$S_{1\to 3}=\frac{v}{\alpha}\frac{\left(-k_0 l-\ln\frac{1}{\sqrt{R_{21}R_{23}}}\right)T_3}{\sqrt{R_{23}}\left(\frac{1}{\sqrt{R_{21}}}+\frac{1}{\sqrt{R_{23}}}\right)(1-\sqrt{R_{21}R_{23}})}; \qquad (10a)$$

Card 1/2

Effect of coatings ...

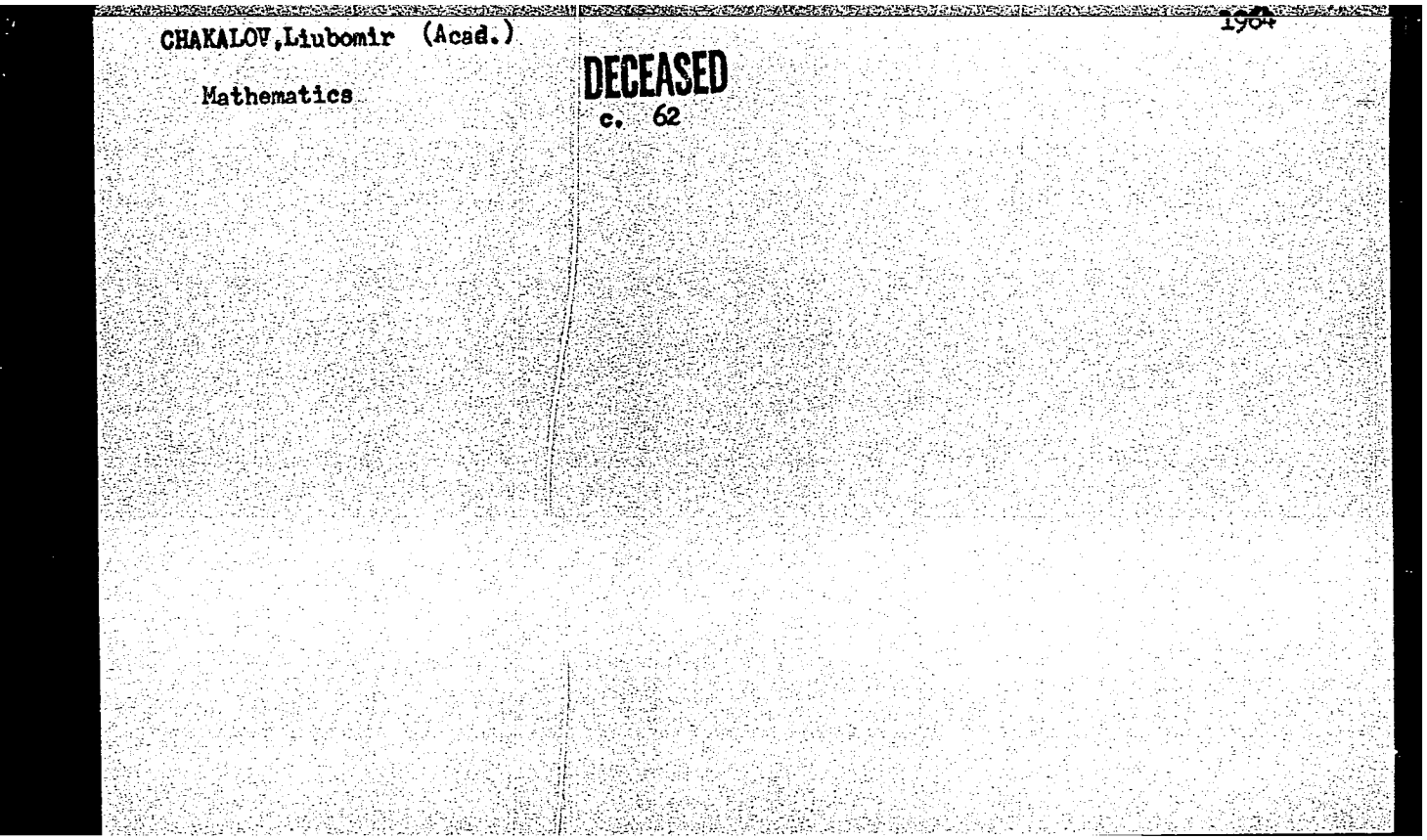
S/201/63/000/001/005/007
D234/D308

v is the velocity of light in the active medium. They assume that 3 is fully reflecting ($T_3 = R_{23} = 0$) and discuss the dependence (10a). There are 4 figures.

Card 2/2

CHAKALOV, Asen

Fall of prices in raw materials, and its reflection on the underdeveloped countries. Trud tseni 4 no.8:60-66 '62.



CHAKALOV, Liubomir (Acad.)

1904

Mathematics

DECEASED
c. 62

CHAKALOV, V.

Relation between the J. Favard and the positive functionals. Izv Mat inst BAN 5 no.1:73-81 '61.

CHAKALOV, V.

Function between Favor's and positive functionals. Izv mat inst BAN 5 no.1:73-81 '61.

L 36801-66 IJP(c)
ACC NR: AP6027856 SOURCE CODE: BU/0012/65/008/004/0279/0286

16
B

AUTHOR: Chakalov, Vladimir

ORG: none

TITLE: Certain problems connected with the theorem of moments

SOURCE: Fiziko-matematicheskoe spisanie, v. 8, no. 4, 1965, 279-286

TOPIC TAGS: aerodynamic moment, sequence, series

ABSTRACT: Earlier papers (see e. g., N. Obreschkoff, C. R. de l'Acad. des Sci. de Paris, 203 (1036), 760-762; L. Tschakoloff, Ibid., 204 (1937), 842-844) discussed several generalizations of a theorem due to Laguerre. The present paper shows that the majority of such problems is closely related to the theorem of moments and to the consequences of this theorem. Assuming the statements of the theorem known, the author first develops certain auxiliary statements and then proves three lemmas and extracts four consequences concerning sequences and series. Orig. art. has: 15 formulas.
[JPRS: 36,845]

SUB CODE: 12 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 006

Card 1/1 af

CHAKAN', B. [Csakany, B.] (Moscow)

Equivalence of some classes in algebraic systems. Acta math Szeged 23 no.1/2:46-57 '62.

1. Submitted July 6, 1961.

CHAKANSKI, N.

Burns. Therapy and successful results after the use of Visnevskii's ointment. Khirurgiia 15 no.9/10:816-817 '62.

1. Iz khirurgichnoto otdelenie pri Gradskata bolnitsa - Elena.
(BURNS) (ANTI INFECTIVE AGENTS)

CHAKAR, A.

Pneumatic-tube transportation at the Gul'kevichi Feed Mill.
Muk.-elev.prom.26 no.5:25-26 My '60. (MIRA 14:3)

1. Montazhno-naladochnoye upravleniye V/T Spetselevatormel'stroy.
(Gul'kevichi--Feed mills)(Pneumatic-tube transportation)

CHAKAR, A., inzh.

Pneumatic conveying at the grinding section of the Leningrad Kirov Milling Combine. Muk.-elev. prom 29 no.3:11-12 Mr '63. (MIRA 16:9)

1. Montazhno-naladochnoye upravleniye V/T Spetselevatormel'montazh.

CHAKAR, A.

Deviations from the plan for assembling pneumatic conveyors and their negative consequences. Muk.-elev. prom. 29 no.9: 24-26 S '63. (MIRA 17:1)

1. Montazhno-naladochnoye upravleniye Spetselevatormel'-montazh.

CHAKAR, A., inzh.

For justified allowances in designing the pneumatic conveying units of flour mills. Muk.-elev. prom. 29 no.7:18 Jl '63. (MIRA 17:1)

1. Montazhno-naladochnoye upravleniye Spetselevatormel'-montazha.

CHILAROV, E.

BULG.

Morphological and histochemical study of lipides in yolk globules. A. Khadzhiolov, G. Boyadzhiev, V. Dokov, and E. Chilarov. *Compt. rend. acad. bulgare sci.* 7, No. 1, 49-51(1954).—The distribution of lipides in the yolk globules of nonincubated hen eggs was studied by fixation of egg fibrils with HCHO or $K_2Cr_2O_7$ and subsequent staining. Yolk globules stained intensely with Sudan III or Nile blue in the periphery, but only slightly in the central part which showed a typical granulation and in some cases a vividly sudanophilous bubble. The central part was counterstained with hematoxylin, methylene blue, or acid fuchsia, after which the sudanophilous bubble appeared as a nucleolus. Treatment with lipide solvents removed the Sudan-staining material. The results are taken as evidence for a morphological organization of the lipide component of the yolk and yolk globules. J. A. Bain

Chakarov, E.

HADJIOLOFF, A.; DOKOV, V.; CHAKAROV, E. (Presented on 29. VIII. 1954)

On the possibility of applying bismuth salts in neurohistological technique. Dokllady Bolg.akad.nauk 7 no.2:57-59 Apr-Sept '54.

(NERVES,
staining with bismuth salts)
(STAINS AND STAINING,
of nerves, with bismuth salts)
(BISMUTH,
salts, staining of nerves)

TCHACAROFF, E. [Chakerov, E.]; POSALAKY, Z.

Some critical considerations on the use of the polymers of ethylene glycol in the histochemical methods for the detection of lipides. Doklady BAN 15 no.7:791-794 '62.

1. Présentée par D. Orachovatz [Orakhovats, D.], membre de l'Académie.

TCHAKAROF, E. [Chakarov, E.]; UGLOVA, T. [Ugleva, T.]

Histochemical studies on the distribution of calcium in the cornea in calcium hydroxide combustions. Doklady BAN 17 no.1: 81-84 '64

1. Note presentee par D. Orahovats [Orakhovats, D.], membre de l'Academie [deceased].

MITRANI, L.; ORMANDSCHIEV, S. [Ormandzhiev, S.]; BOEV, K.; TCHAKAROF, E. [Chakarov, E.]; NATSCHEV, Tsch. [Nachev, Ch.]; KOLAROV, W. [Kolarov, V.]

The discriminator, a cytoplanimeter. Doklady BAN 17 no.8:773-776 '64.
Doklady BAN 17 no.8:773-776 '64.

1. Lehrstuhl fur Atomphysik an der Universitat Sofia, Radiobiologische Abteilung beim Ministerium fur Gesundheitswesen, Physiologisches Institut der Bulgarischen Akademie der Wissenschften, und Onkologisches wissenschaftliches Forschungsinstitut.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308110018-9"

BOEV, K.; TCHACAROV, E. [Chakarov, E.]; NATSCHEV, Tsch. [Nachev, Ch.]; ORMANDSCHIEV, S. [Ormandzhiev, S.]; MITRANI, L.

Cytological analyzer with a dual discriminator. Doklady BAN 17 no.11:1063-1066 '64.

1. Physiological Institute of the Bulgarian Academy of Sciences. Submitted March 26, 1964.

L 37831-66 T RO/JK

ACC NR: AP6028481 SOURCE CODE: BU/0011/65/018/011/1067/1069

AUTHOR: Popova, A.; Chakarov, E.

ORG: Institute of Physiology, BAN

TITLE: Possible utilization of certain phenothiazine drugs in vital fluorescent staining of mitochondria

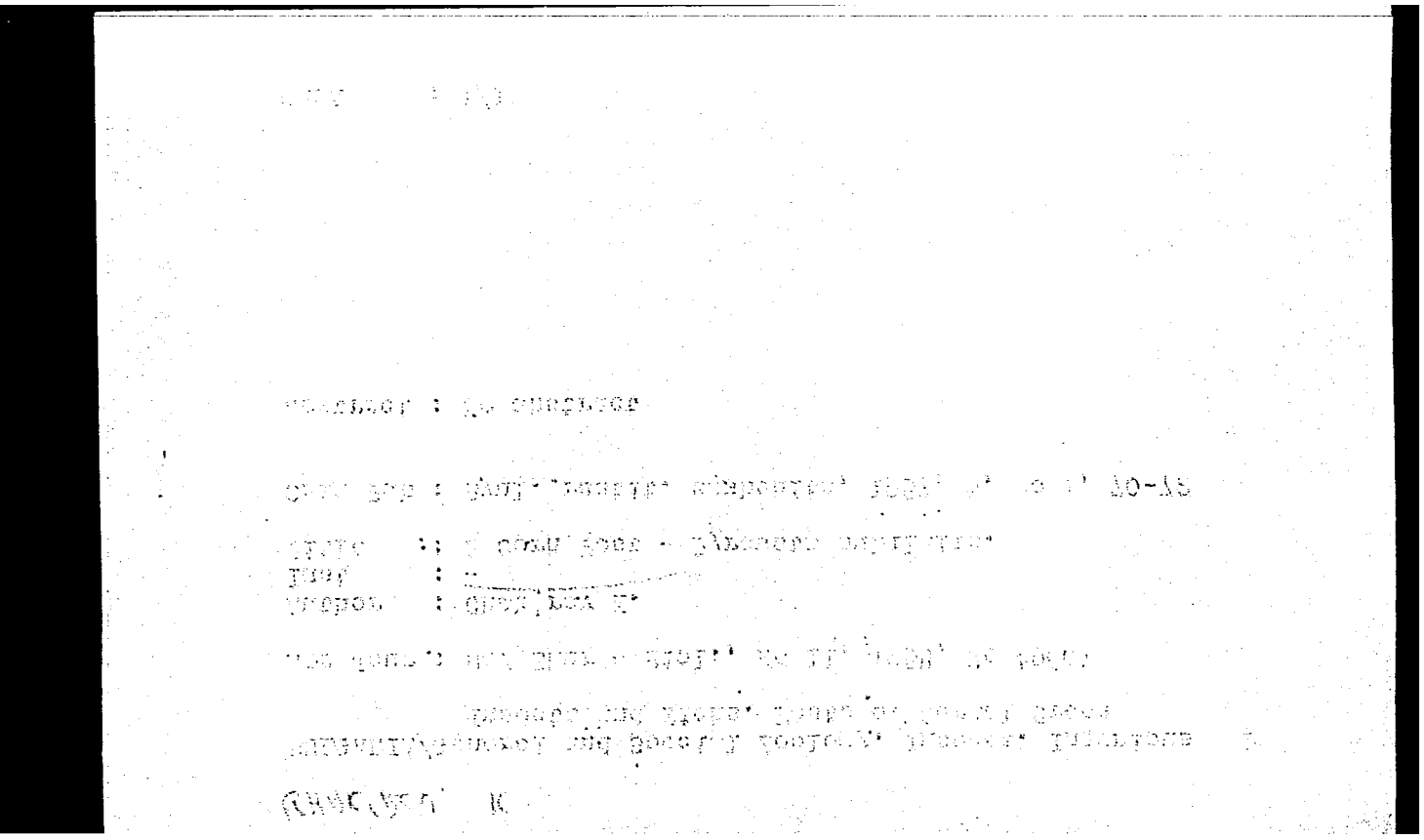
SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 11, 1965, 1067-1069

TOPIC TAGS: drug effect, phosphorylation, enzyme, mouse, luminescence

ABSTRACT: Phenothiazine drugs are known to inhibit oxidative phosphorylation by upsetting the normal activity of some of its enzyme systems: diphosphopyridine nucleotide in its reduced form, cytochrome C reductase, and cytochrome oxidase. These processes occur in the mitochondrial structures of the cell. In the present study the authors investigated, using 45 male white mice, the luminescent properties of phenothiazine drugs. An analysis of the results shows that phenothiazine preparations Largactil and Randolactil can be fixed at the mitochondrial level and that they can thus be used for the luminescent vital staining of mitochondria. This paper was presented by Corresponding Member P. Nikolov on 14 August 1965. Orig. art. has: 2 figures. [Orig. art. in Eng.] [JPRS: 36,592]

SUB CODE: 06 / SUBM DATE: 14Aug65 / ORIG REF: 001 / SOV REF: 001
OTH REF: 006

Card 1/1



VECHER, A.S.; CHAKAY, M.T.

Dynamics of the accumulation of pigments in greening potato tubers. Dokl.AN BSSR 5 no.5:223-225 My '61. (MIRA 14:5)

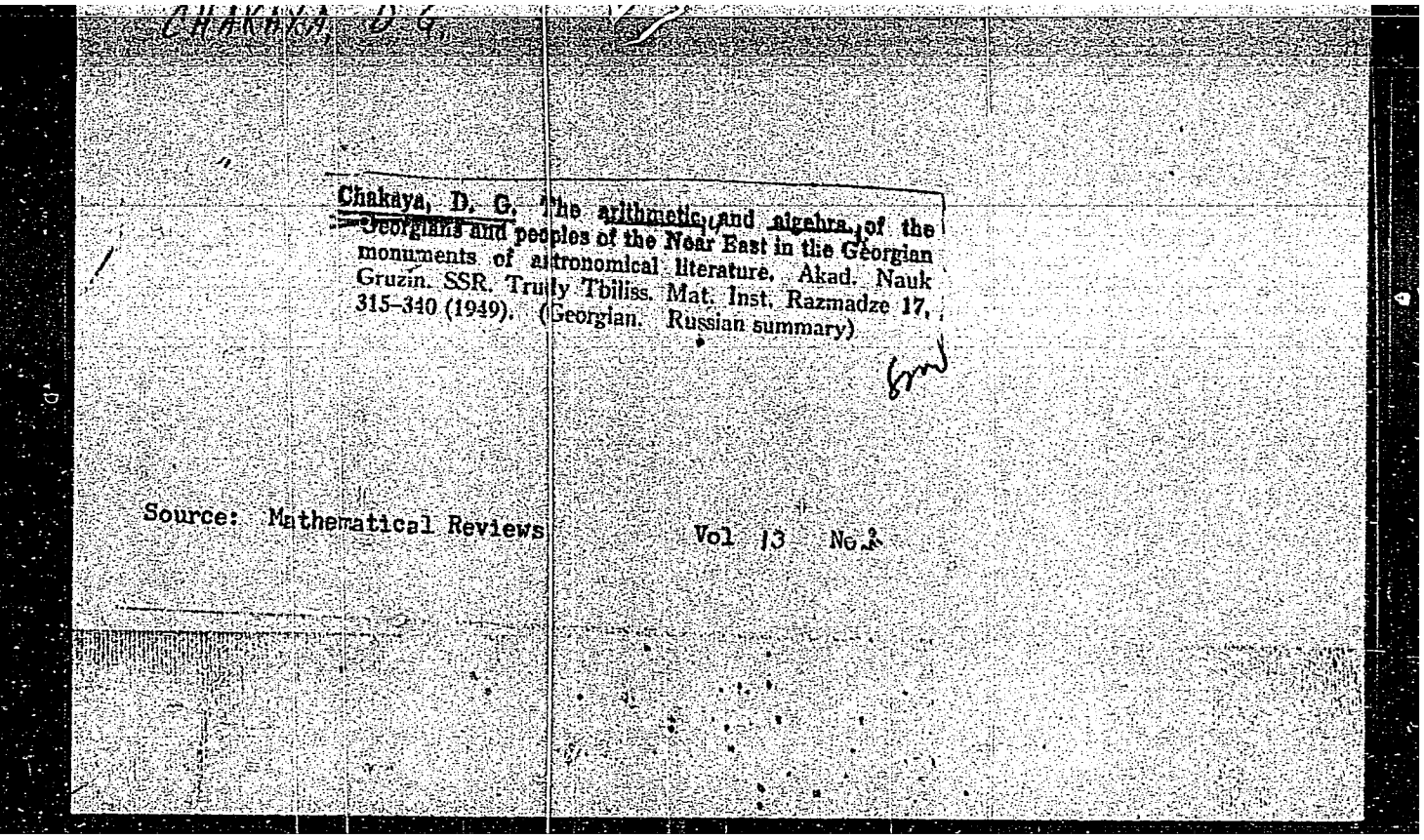
1. Institut biologii AN BSSR.
(Potatoes) (Color of plants)

Chakava, D. G.

Chakava, D. G. Some Georgian mathematicians of the XVII-XVIIIth century. Akad. Nauk Gruzin. SSR. Trudy Tbiliss. Mat. Inst. Razmadze 16, 277-288 (1948). (Georgian, Russian summary)

This paper is devoted to two mathematical manuscripts of the 17–18th centuries in the Georgian language. One of them is a compilation of the fundamentals of arithmetic written by Dimitrii Cicišvili. Of the Georgian mathematical manuscripts which have come down to us the work of Cicišvili is the first document of the knowledge in Georgia of European mathematics. The second manuscript is an original textbook on arithmetic and geometry prepared by Georgii Tarhnišvili. The author of the present paper establishes that in Georgia of the 17–18th centuries both the preparation of original textbooks and compilations introducing Russian and European mathematical literature were undertaken. *Author's summary.*

Source: Mathematical Reviews, Vol 13 No. 9



CHAKAYA, D. G.

Chakaya, D. G. The arithmetic and algebra of the Georgians and peoples of the Near East in the Georgian monuments of astronomical literature. Akad. Nauk Gruzin. SSR. Trudy Tbiliss. Mat. Inst. Razmadze 17, 315–340 (1949). (Georgian. Russian summary)

Source: Mathematical Reviews Vol 13 No 3

CHAKBETADZE, S. S.,
Tbilisi State University im. I. V. Stalin.

"Solution of One of the Boundary Problems of Gazeman For Several Unknown Functions," Soobsch Akad Nauk, GSSR Vol XII, No 8, 1951

SIMONYAN, V.G., kand.med.nauk; CHAKHALASHVILI, L.L.

Five-year experiment in detecting pulmonary tuberculosis among the population by means of fluorography. Sbor. trud. Med. nauch. ob-vo Abkh. 2:235-239 '59. (MIRA 14:10)

1. Iz Respublikanskogo protivotuberkuleznogo dispansera Ministerstva zdravookhraneniya Abkhazskoy ASSR (glavnyy vrach L.L.Chakhalashvili).
(TUBERCULOSIS--DIAGNOSIS) (DIAGNOSIS, FLUOROSCOPIC)

SERGEYEV, V.Z.; CHAKHALOVA, I.P.

Using unripe seeds in changing spring barley into winter barley.
Agrobiologiia no.6:796-799 N-D '61. (MIRA 15:2)

1. Rostovskiy gosudarstvennyy universitet.
(Barley)

Name: CHAKHAV, Vasiliy Georgiyevich

Dissertation: Excitation of labor in various periods of pregnancy by means of an artifical fetal sac

Degree: Doc Med Sci

Affiliation: Sci-Res Inst of Protection of Maternity and Childhood, Min of Health Georgian SSR

Defense Date, Place: 21 Jun 56, Council of Tbilisi State Med Inst

Certification Date: 6 Jul 57

Source: BMVO 18/57

CHAKHAV, V.G.

T

USSR/Human and Animal Physiology (Normal and Pathological). Metabolism. Metabolism of Lipids.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79301.

Author : Paylodze, Yu. A.; Chakhava, V.G.
Inst :
Title : Influence of Urea As the Indicator of Cholesterin and Its Ethers in the Blood of Female Rabbits in Connection With the Function of the Ovaries.

Orig Pub: Sb. tr. n.-i. in-t okhrany materinstva i detstva GruzSSR, 1956, 7, 151-153.

Abstract: No abstract.

Card : 1/1

CHAKHAVA, G., arkhitektor

Experimental apartment houses made of prefabricated room-units in Georgia. Zhil.stroi. no.8:9-12 Ag '61. (MIRA 14:8)
(Georgia—Buildings, Prefabricated)
(Tiflis—Apartment houses)

CHAKHAVA, O. V.

"The Influence of Repeated Exposures to Small Doses of X-Rays on the Formation of Immunity Against Typhoid Bacteria"

"On the Experimental Study of a Preventive Vaccine Against Sonne's Dysentery" [dissertation critically analyzed at an unidentified session of the institute's Scientific Council during 1953.] Proceedings of Inst. Epidem. and Microbiol. im. Gamaleya, 1954-56.

Division of Medical Microbiology, Troitskiy, V. L., professor, Corresponding Member, Academy of Medical Sciences USSR, head., Inst. Epidem. and Microbiol im. Gamaleya, AMS USSR.

SO: Sum 1186, 11 Jan 57.

CHAKHAVA, O. V.

CHAKHAVA, O. V. -- "Active Immunization Against Dysentery Bacteria of Zonne." Cand Med Sci, Acad Med Sci USSR, 21 Jan 54, (Vechernyaya Moskva, 8 Jan 54)

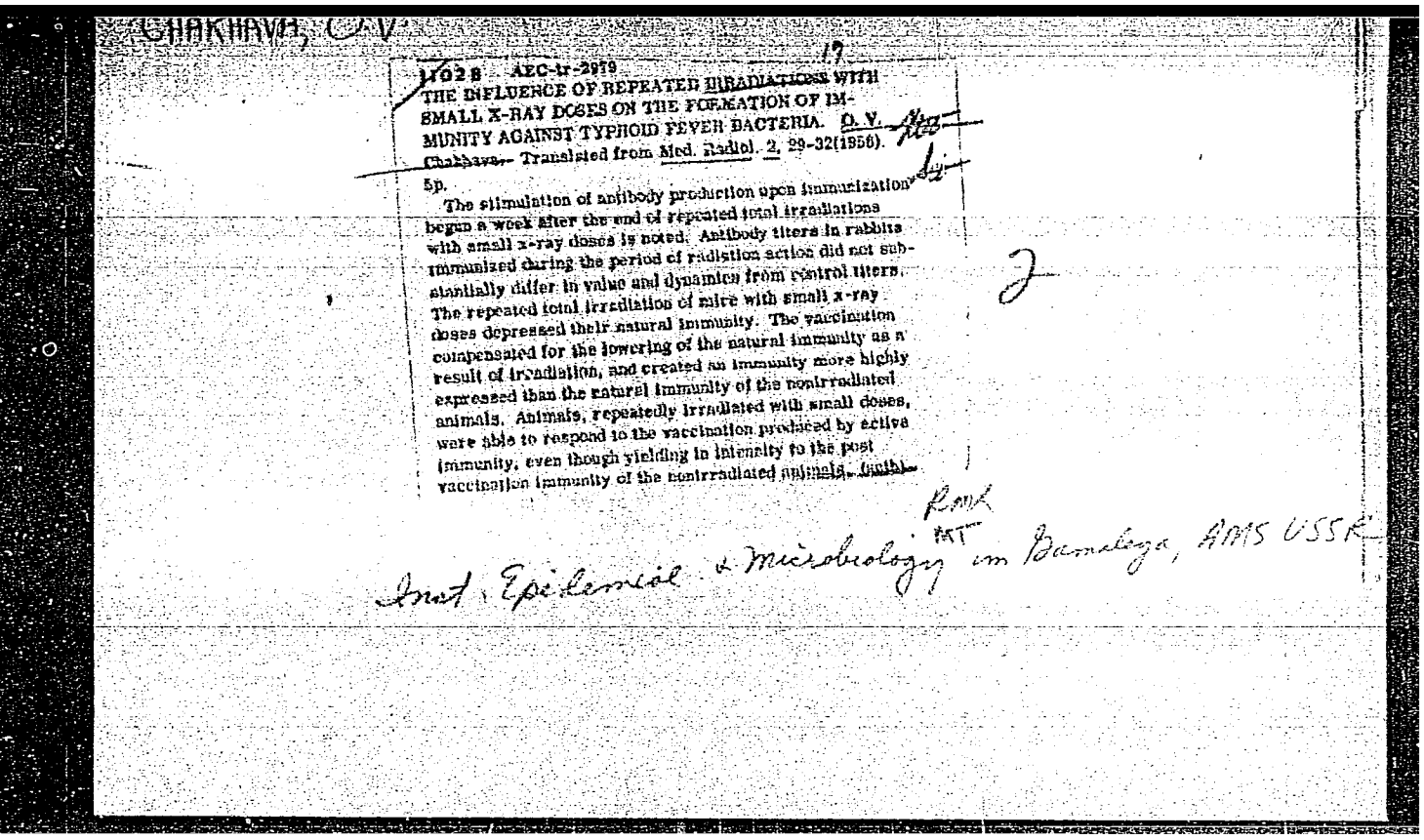
SO: SUM 168, 22 July 1954

TROITSKIY, V.L., professor; CHAKHAVA, O.V.; KOZLOVA, N.A.

Effect of ionizing radiation on antibody formation. Med.rad. 1 no.1:49-58 Ja-F '56. (MLRA 9:9)

1. Iz otdela meditsinskoy mikrobiologii (zav.-chlen-korrespondent AMN SSSR prof. V.L.Troitskiy) Instituta epidemiologii i mikrobiologii imeni akad. N.F.Gamelyya AMN SSSR.

(ANTIGENS, AND ANTIBODIES,
antibody form., eff. of ionizing radiations (Rus))
(RADIATIONS, effects,
ionizing, on antibody form. (Rus))



SHAKHAVA, G.V.

17

11028 AEC-tr-2979

THE INFLUENCE OF REPEATED IRRADIATIONS WITH SMALL X-RAY DOSES ON THE FORMATION OF IMMUNITY AGAINST TYPHOID FEVER BACTERIA. G. V. Shakhava. Translated from Med. Radiol. 2, 29-32(1956). 5p.

The stimulation of antibody production upon immunization begun a week after the end of repeated total irradiations with small x-ray doses is noted. Antibody titers in rabbits immunized during the period of radiation action did not substantially differ in value and dynamics from control titers. The repeated total irradiation of mice with small x-ray doses depressed their natural immunity. The vaccination compensated for the lowering of the natural immunity as a result of irradiation, and created an immunity more highly expressed than the natural immunity of the nonirradiated animals. Animals, repeatedly irradiated with small doses, were able to respond to the vaccination produced by active immunity, even though yielding in intensity to the post vaccination immunity of the nonirradiated animals. (auth)

RAM
MT

Inst. Epidemiol. & Microbiology im Gamaleya, AMS USSR

TROITSKIY, V.L., professor; KAULEN, D.R.; CHAKHAVA, O.V.

On the results of the Thirteenth All-Union Congress of Hygienists, Epidemiologists, Microbiologists and Specialists in Infectious Diseases. Vest.AMN SSSR 12 no.2:56-65 '57. (MIRA 10:10)
(COMMUNICABLE DISEASES) (EPIDEMIOLOGY)
(MICROBIOLOGY)

KAULEN, D.R., CHAKHAVA, O.V.

Serological and electrophoretic studies of anti-diphtherial sera irradiated by sterilizing doses of gamma rays. Zhur.mikrobiol. epid. i immun. 29 no.9:44-51 S '58 (MIRA 11:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamaleia AMN SSSR.
(DIPHTHERIA, immunol.
immune sera, eff. of gamma rays on immunol. properties (Rus))
(GAMMA RAYS, effects
on diphtherial immun. sera (Rus))

CHAKHAVA, O.V.

21(4); 17(0) PHASE I BOOK EXPLOITATION SOV/2808

International Conference on the Peaceful Uses of Atomic Energy. 2d, Geneva, 1958

Doklady sovetskikh uchenykh; radiobiologiya i radiatsionnaya meditsina (Reports of Soviet Scientists; Radiobiology and Radiation Medicine) Moscow, Izd-vo Glav. upr. po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR, 1959. 429 p. 8,000 copies printed. (Series: Vtoraya Mezhdunarodnaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii. Trudy, tom 5)

General Ed.: A.V. Lebedinskiy, Corresponding Member, USSR Academy of Medical Sciences; Ed.: Z.S. Shirokova; Tech. Ed.: Ye.I. Mazel'.

PURPOSE: This book is intended for physicians, scientists, and engineers as well as for professors and students at vtuzes where radiobiology and radiation medicine are taught.

COVERAGE: This is Volume 5 of a 6-volume set of reports delivered by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held on September 1-13, 1958, in Geneva. Volume 5 contains 32 reports edited by Candidates of Medical Sciences S.V. Levinskiy and V.V. Sedov. The reports cover problems of the biological effects of ionizing radiation, future consequences of radiation in small doses, genetic effects of radiation, treatment of radiation sickness, uses of radioactive isotopes in medical and biological research, uses of atomic energy for diagnostic and therapeutic purposes, soil absorption of uranium fission products, their intake by plants, and their storage in plants and foodstuffs. References accompany each report.

Reports of Soviet Scientists (Cont.) SOV/2808

Bogdanov, K.M., M.I. Shal'nov, and Yu.M. Shtukkenberg. Some Results of Labeling With Tritium in Biological Studies (Report No. 2070) 212

Sisakyan, N.M. Special Features of Albumin Synthesis in the Plant and Animal Cell (Report No. 2044) 227

Amiragova, M.G. Central Mechanism of the Thyroid Gland Functions by the Cerebral Cortex (Report No. 2202) 238

Kalli, Yu.A. Effect of Various Factors on the Biosynthesis of Thyroxin Produced by the Thyroid Gland (Report No. 2075) 251

Kometiani, P.A., L.K. Tkeshelashvili, and T.Ya. Ovsyanko. Using Phosphoric Esters of Choline, Ethanolamine, and Serine in Phospholipid Synthesis in the Brain (Report No. 2318) 263

[illegible], D.L. Using C^{14} and P^{15} to Study Metabolism in Muscles (Report No. 2238) 271

Fedorov, N.A. Relative Characteristic Fate of the Three Phenothiazine Compounds:

S^{35}- Aminazine (Chlorpromazine), S^{35}- Promazine, and S^{35}- Chlorpepazine (Chlorpyrazine) in the Organism (Report No. 2076) 281

Kozlova, A.V. Using Radioactive Isotopes in the Clinic for Diagnostic and Therapeutic Purposes (Report No. 2056) 296

Shamov, V.N., K.N. Dubuyev, and N.P. Bekhtereva. Isotopic Encephalography and Electroencephalography for the Localization of Brain Tumors (Report No. 2069) 307

Sokolova, N.A., and G.M. Frank. Studying the Fast Translocation of Substances in the Organism by Means of Gamma Emitting Isotopes (Report No. 2061) 314

Troitskiy, V.L., M.A. Tumanyan, Z.G. Pershina, V.M. Vadimov, V.G. Karushchev, R.I. Haskina, I.M. Samoshchenko, O.V. Chakhava, A.P. Duplishcheva, and T.S. Sedova. Methods of Using Ionizing Radiation in the Production of Bacterial Preparations (Report No. 2071) 329

Klechkovskiy, V.M., L.N. Sokolova, and G.N. Tselishcheva. Sorption of Microquantities of Strontium and Cesium in Soils (Report No. 2310) 346

Card 6/7

CHAKHAVA, O.V.

Research on the effect of sterilizing doses of Co^{60} Gamma rays on antibacterial sera. J.hyg.epidem.,Praha 4 no.2:196-206 '60.

1. Department of Radiation Microbiology and Immunology, Gamalay Institute of Epidemiology and Microbiology, Academy of Medical Sciences of the U.S.S.R., Moscow.
(IMMUNE SERUMS)
(COBALT radioactive)
(STERILIZATION)

CHAKHAVA, O.V.

Use of microbe-free animals in infectious pathology and immunology. Zhur. mikrobiol. epid. i immun. 33 no.10: 84-88 O '62 (MIRA 17:4)

CHAKHAVA, O.V.; SOBOLEV, S.M.

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