

ACCESSION NR: AP4009111

S/0056/63/045/006/1900/1907

AUTHOR: Strutinskiy, V. M.

TITLE: Stability of equilibrium nuclear states in the liquid drop model

SOURCE: Zhurnal eksper. i teoret. fiziki, v. 45, no. 6, 1963, 1900-1907

TOPIC TAGS: nuclear shape, liquid drop model, equilibrium nuclear state, symmetrical equilibrium shape, absolute equilibrium, conditional equilibrium, constant surface tension, quasistatic fission model

ABSTRACT: This is a continuation of a series of earlier papers by the authors, initiated with (ZhETF, v. 42, 1571 (1962)). The equilibrium shapes themselves have been calculated elsewhere (ZhETF v. 45, 1891, 1963). The analysis was carried out for symmetrical shapes

Card 1/3

ACCESSION NR: AP4009111

corresponding to absolute and to conditional equilibrium, and belonging to the usual sequence of shapes without a neck or with a single neck, for the usual drop model with constant surface tension. The method used for the construction of the asymmetric shapes which are arbitrarily close to the given asymmetric shape followed naturally from the iteration method used for the calculation of the equilibrium solution. Three closely asymmetrical shapes were calculated along with each symmetrical figure. The results of the calculations are compared with experiment on the basis of the quasistatic model of nuclear fission. Although of the three types of asymmetrical deformations chosen the one corresponding to the middle of the neck comes close to being related to the asymmetry of the fission of U, Pu, and other heavy nuclei. It is shown that the position of the maximum of the asymmetric peak in the distribution of the fragments with respect to mass can be governed by relatively small factors which are accidental from the point of view of the quasi-classical model, and in particular by the possibility of formation

Card 2/3

ACCESSION NR: AP4009111

of shells in the fragments. Orig. art. has: 3 figures, 8 formulas,  
and 1 table.

ASSOCIATION: None

SUBMITTED: 06Apr63

DATE ACQ: 02Feb64

ENCL: 00

SUB CODE: PH, NS

NO REF SOV: 009

OTHER: 003

Card 3/3

L 3724-66 EWT(m)/EWA(h)

ACCESSION NR: AT5022110

UR/3136/64/000/735/0001/0010

AUTHOR: Strutinskiy, V. M.

TITLE: The form of a fissioning nucleus at the saddle point and a drop nuclear model

SOURCE: Moscow. Institut atomnoy energii. Doklady, IAE-735, 1964. Forma delyashchegosya yadra v sedlovoy tochke i kapel'naya model' yadra, 1-10

TOPIC TAGS: nuclear fission, nuclear model, fission fragment

ABSTRACT: The effective moment of inertia  $I_{\text{eff}}$  is investigated under the assumption that the angular anisotropy of the fission fragments is determined by the state of the fissioning nucleus near the extreme of the potential energy (saddle point). Values of  $I_{\text{eff}}$  found in experiments in angular anisotropy are compared with calculated values (see Fig. 1 on the Enclosure). It is found that the effective moment of inertia of a fissioning nucleus determined from the angular anisotropy of the fission fragments is in good agreement with the value calculated for the saddle point by means of a drop model that takes into account the blurring of the edge of the nucleus. The agreement between the calculated and

Card 1/4

L 3724-66

ACCESSION NR: AT5022110

experimental values of  $I_{eff}$  indicates that the drop model is a good approximation for the potential energy of a nucleus, and that the assumption of the existence of another saddle point that differs from the "drop" saddle point (possibly due to asymmetry of fission of the heavier nuclei) does not correspond to reality. Orig. art. has: 7 formulas and 2 graphs.

ASSOCIATION: none; atomic energy, Institute of Atomic Energy.

SUBMITTED: 00

ENCL: 02

SUB CODE: NP

NO REF SOV: 003

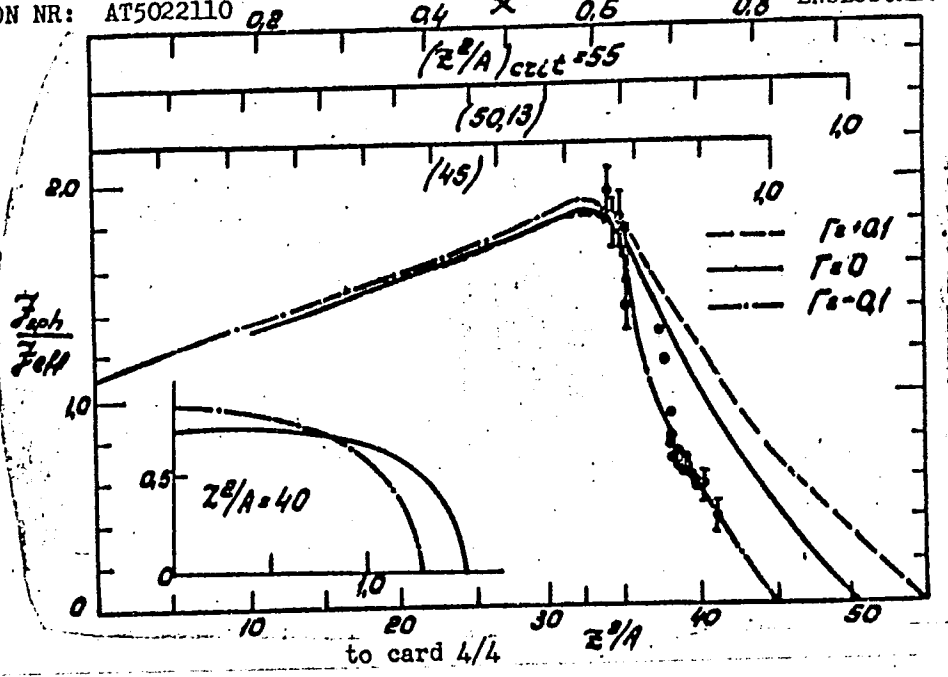
OTHER: 003

Card 2/4

L 3724-66

ACCESSION NR: AT5022110

ENCLOSURE: 01



Card 3/4

L 3724-66

ACCESSION NR: AT5022110

ENCLOSURE: 02

from card 3/4

Fig. 1. The points are experimental values of  $I_{\text{eff}}^{-1}$  obtained by J. Huizenga (in private communication, 1964) for fission of various nuclei with alpha particles with energy of 40 MeV. Scales of the variable  $x$  for values of  $(Z^2/A)_{\text{crit}}$  indicated in the figure are given above. The insert gives the form of the nucleus at the saddle point for  $(Z^2/A) = 40$  for  $\Gamma = 0$  (usual drop model) and  $\Gamma = -0.1$ .  $1/4$  cross section along the axis of symmetry is shown.

Card 4/4

STRUTINSKIY, V. M.

"An interpretation of the nuclear pairing effects at the fission barrier."

report submitted for Intl Conf on Low & Medium Energies Nuclear Physics,  
Paris, 2-6 Jul 64.

Kurchatov Inst, Moscow.



KOSORUKOV, A. L.; STRUTINSKIY, V. M.

"The Calculation of Gamma-Ray Spectra Accompanying Capture of Thermal Neutrons."  
report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22  
Feb 64.

IAE (Inst Atomic Energy)

ACCESSION NR: AP4042571

S/0056/64/046/006/2078/2084

AUTHOR: Strutinskiy, V. M.

TITLE: On surface nucleon stripping reactions

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 6, 1964, 2078-2084

TOPIC TAGS: stripping reaction, nucleon, particle transfer, particle collision, heavy particle

ABSTRACT: To simplify the calculations of the angular distributions of nucleon stripping and pickup reactions, the author derives a simple expression for the differential cross sections of such reactions, based on a model of peripheral collisions. Different angular distributions are obtained, depending on how close the process is to classical. Both Gaussian and exponential forms are assumed for the reaction intensity near the maximum. It is shown that the available experimental data on stripping and pickup reactions with heavy ions

Card 1/2

ACCESSION NR: AP4042571

are in satisfactory agreement with the model of peripheral collisions. Since no assumptions are made about the specific nature of the reaction, the formulas obtained can be applied also to other surface reactions. Orig. art. has: 5 figures and 16 formulas.

ASSOCIATION: None

SUBMITTED: 04Oct63

DATE ACQ:

ENCL: 00

SUB CODE: NP

NR REF SOV: 004

OTHER: 005

Card 2/2

L 10917-65 EWT(m)/T/EWA(m)-2 AFWL/SSD  
ACCESSION NR: AP4046427

S/0056/64/047/003/1065/1073

AUTHOR: Strutinskiy, V. M.

TITLE: Concerning one interference effect in nucleon transfer reactions

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 3, 1964, 1065-1073

TOPIC TAGS: nucleon scattering, peripheral collision, nucleon transfer, inelastic scattering, centrifugal barrier, interference splitting

ABSTRACT: This is a continuation of an earlier paper by the author (ZhETF v. 46, 2078, 1964) devoted to nucleon transfer in the case of peripheral collisions between nuclei. In the present paper the author shows that channels of inelastic reaction with large orbital angular momenta correspond to waves that pass under the centrifugal

Card 1/3

L 10917-65  
ACCESSION NR: AP4046427

barrier. The phase of these waves differs by  $\pi$  from the phase of the "over the barrier" waves with smaller angular momentum. This gives rise to a characteristic interference splitting of the "peripheral" maximum in the angular distribution into two narrower maxima. The summary cross section is calculated directly as a function of the angle, rather than the corresponding quasiclassical integral. Numerical calculations of the cross section, made in steps of  $1^\circ$  and smoothed over intervals of  $\pm 4^\circ$ , were compared with the experimental data by E. Lozhinskiy (Preprint OIYaI R-1486, 1963) for  $\text{Ne}^{20}\text{-Rh}$  and  $\text{Ne}^{22}\text{-Au}$  pairs at 142 MeV and at 102--110 MeV, respectively. The calculations in the "peripheral reaction" model seem to agree well with the experimental data at  $\omega = +0.5$  ( $\omega = 1/\Delta$ ,  $\Delta$  -- number of partial waves). The conditions under which the calculations agree with experiment are discussed briefly, and the calculations seem to agree with experiment in those cases when it can be assumed that the energy is lower than the Coulomb threshold. Orig. art. has: 10 formulas and 3 figures.

Card 2/3

L 10917-65  
ACCESSION NR: AP4046427

ASSOCIATION: None

SUBMITTED: 06Apr64

ENCL: 00

SUB CODE: NP

NR REF SOV: 003

OTHER: 002

Card 3/3

L 4072-66 EWT(m)/EWA(h)

ACCESSION NR: AT5024114

UR/3136/65/000/814/0001/0021

AUTHOR: Strutinskiy, V. M.

TITLE: Fission of deformed nuclei [Paper presented at the International Conference on Physics of Nuclear Fission held in Salzburg, March 1965]

SOURCE: Moscow. Institut atomnoy energii. Doklady, IAE-814, 1965. 0 delenii deformirovannykh yader, 1-21

TOPIC TAGS: nuclear model, nuclear fission, heavy nucleus, transuranium element

ABSTRACT: The author proposes a phenomenological model for fission thresholds of heavy nuclei which takes account of the reduction in the energy of the nucleus in the time-independent deformed state due to quadrupole interaction of nucleons in the unfilled shell. Some of the consequences of this new model are considered with respect to the description of nuclear fission in transuranium elements. The proposed model corresponds to the generalized nuclear model developed by Bohr and Mottelson (A. Bohn, B. Mottelson, *Mat. Fys. Dan. Vid. Selsk*, 27, n. 16, 1953) expanded to account for the disappearance of deforming forces in rather highly deformed states and in heated nuclei. Formulas are proposed for correcting the liquid-

Card 1/2

L 4072-66

ACCESSION NR: AT5024114

2

drop model of nuclear fission with respect to the relationship between surface tension and the isotopic state of the nucleus. It is suggested that the isotopic effect in surface tension may disappear with heating in a manner similar to that of other quantum effects. More data on fission of weakly excited nuclei are needed to confirm the existence of this isotopic effect in surface tension. The author is grateful to A. S. Tyapin for discussion of the proposed model in relationship to the liquid-drop model. Orig. art. has: 4 figures, 17 formulas.

ASSOCIATION: Institut atomnoy energii im. I. V. Kurchatova (Institute of Atomic Energy)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NO REF SOV: 007

OTHER: 012

BYK  
Card 2/2



STRUTINSKIY, V.M.

Simple description of the angular distribution of the decay products  
of a compound nucleus following a direct nuclear reaction. Ad. fiz.  
1 no.4:538-595 Ap '65. (MIRA 18:5)

I 42109-65 EWT(1)/EWI(m)/EWG(m) Pab DIAAF JW

ACCESSION NR: AP5011215

UR/0367/65/001/003/0420/0425

AUTHOR: Grin', Yu. T.; Strutinskiy, V. M.

TITLE: Level densities and thermodynamic functions of atomic nuclei with regard to pair correlation effects

Handwritten annotations: 24, 19, B

SOURCE: Yadernaya fizika, v. 1, no. 3, 1965, 420-425

TOPIC TAGS: nucleus, correlation, Fermi gas, nuclear physics, nuclear level even even nucleus

ABSTRACT: Thermodynamic functions, level densities, and moments of inertia of even-even deformed nuclei are calculated, taking account of the effects of pair correlation over the entire range of excitation energies where thermodynamic considerations are applicable--for energies approximately equal to 3-4 Mev and above. Existence of different pair correlation values for neutrons and protons is recognized. A comparison is made between experimentally determined values of neutron and proton pair correlation energies and those found from the formulas introduced here. The experimental values are known to within 20%; the theoretically derived values differ from them by less. Hence by proper choice of pairing correlation energies, values obtained from the formulas derived here for nuclear level density

Card 1/2

L 48109-65

ACCESSION NR: AP5011215

0

at given neutron binding energy can be put in agreement with experimental results. The basic equation is

$$g(E, J, \Pi) = g(E) \frac{2j+1}{2\sqrt{2\pi}(JT)^{1/2}} \exp\left\{-\left(j + \frac{1}{2}\right)^2/2JT\right\}.$$

The anomaly in the nuclear level density that is associated with the phase transition is found to occur in an interval no smaller than 1.5-2 Mev. In this interval the nuclear level density changes by far more than the value of the "jump." Thus, it makes no sense to speak of the possibility of observing the phase "jump" or discontinuity in the level density. The level density in the nucleus is more than an order of magnitude less than in the Fermi-gas picture. Thus, additional study of pair correlation is very important for interpretation of the level density in the excited nucleus. Orig. art. has: 1 figure, 1 table, 19 formulas.

ASSOCIATION: none

SUBMITTED: 07Oct64

ENCL: 00

SUB CODE: NP

NO REF SOV: 003

OTHER: 011

*W*  
Card 2/2

KOCHUKOV, A.I.; STUTINSKIY, V.H.

Gamma-ray spectra in (n,  $\gamma$ )-reactions. Izd. fiz. 2 no.4:  
657-662 0 '65. (MIRA 18:11)

L 5088-66 EWT(m) DIAAP

ACCESSION NR: AT5024117

UR/3136/65/000/878/0001/0024

AUTHOR: Strutinskiy, V. M.

16  
15  
B+1

TITLE: Shell effects in the energy of the nucleus

SOURCE: Moscow. Institut atomnoy energii. Doklady, IAE-878, 1965. Effekty obolachek v energii yadra, 1-24

TOPIC TAGS: deformed nucleus, nuclear energy level, nuclear shell model 19

ABSTRACT: Shells of nuclei correspond to a certain heterogeneous distribution of nucleons in phase space, whereas in quasiclassical phenomenologic models ("liquid drop model") the distribution of nucleons is assumed to be homogeneous. With this assumption, the present authors use the Nilsson level scheme to calculate the shell correction to the "liquid drop energy" of the nucleus as a function of the number of nucleons and deformations. The magnitude of this correction is in agreement with the well-known semiempiric formulas for nuclei mass. The calculation of the deformation of the nuclei and the boundaries of the deformation regions are also in agreement with the experiment. The pairing energy is taken into account, but does not have a considerable effect. | Orig. art. has: 5 figures and 31 formulas.

Card 1/2

L 5088-66

ACCESSION NR: AT5024117

ASSOCIATION: Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii,  
SSSR (State Committee for the Utilization of Atomic Energy SSSR), Institut  
atomnoy energii im. I. V. Kurchatova (Institute of Atomic Energy)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NO REF SOV: 003

OTHER: 010

*Kc*  
Card 2/2

L 4427-56 ENT(M)/T  
ACC NR: AP6023081 (AV) SOURCE CODE: UR/0367/66/003/004/0614/0625

AUTHOR: Strutinskiy, V. M.

25  
B

ORG: none

TITLE: Effect of nucleon shells<sup>19</sup> on the energy of a nucleus

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 614-625

TOPIC TAGS: nucleon shell, nuclear shell model, nuclear energy level

ABSTRACT: Nuclear shells correspond to a certain nonhomogeneous distribution of nucleons in the phase space, whereas the distribution in quasiclassical phenomenological models ("drop model") is supposed to be homogeneous. Starting from this point, Nilsson's scale of levels is used for calculating the shell model correction to the "liquid-drop energy" of the nucleus as a function of the occupation number and deformation. Its value agrees with the well-known correction to the semiempirical formula for nuclear masses. The calculated deformation of nuclei and borders of the regions of deformation are also in good agreement with experimental results.

Card 1/2

L 4427-66

ACC NR: AP6023081

Pairing energy is taken into consideration, but it plays no significant role. Orig. art. has: 5 figures and 31 formulas. [Based on author's abstract] [NT]

SUB CODE: 18/ SUBM DATE: 15Jun65/ ORIG REF: 002/ OTH REF: 011

Card 2/2 90



SIBIRIS, V.A. [Struts, V.A.]

Modal method of analysis and solution of engineering problems.  
Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.4:112-117 '64.

(MIRA 18:3)

BELYANIN, Svyatoslav Aleksandrovich; LAKHANIN, V.V., retsenzent; STRITS, V.G.,  
retsenzent; SHIMKO, K.N., redaktor; DOBRONRAVOVA, S.M., redaktor  
izdatel'stva; TSVETKOVA, S.V., tekhnicheskij redaktor.

[Mechanization of fuel consumption and water treatment on vessels  
with tubular boilers] Mekhanizatsiia szhiganiia topliva i obrabotka  
vody na sudakh s vodotrubnymi kotlami. Moskva, Izd-vo "Rechnoi  
transport," 1957. 177 p. (MIRA 10:11)

(Boilers, Marine)

STRUTS, V.G., inzh.

Production and the basic operational index for fleet repair-operational bases. Rech.transp. 17 no.10:25-27 0 '58. (MIRA 11:12)  
(Ships--Maintenance and repair)

STRUTS, V., inzh.

Use of rubber in stern bushes, bearings, and other ship parts.  
Rech. transp. 20 no. 11:22-23 N '61. (MIRA 15:1)  
(Ships—Maintenance and repair)  
(Rubber)

L 11219-66 EWT(d)/EWT(m)/EWP(v)/EWP(k)/EWP(h)/EWP(l) DIAAP  
ACC NR: AP6005535 SOURCE CODE: UR/0089/66/020/001/0063/0065

AUTHOR: Klimentov, V. B.; Nechiporuk, V. A.; Kopchinskiy, G. A.; Yaroshevich, V. F.; Strutsinskiy, V. A.; Popov, V. D.; Nikonov, A. V.

ORG: none

TITLE: Test stand at the Institute of Physics AN UkrSSR

SOURCE: <sup>17</sup>Atomnaya energiya, v. 20, no. 1, 1966, 63-65

TOPIC TAGS: nuclear engineering, nuclear reactor, reactor fuel element, test stand

ABSTRACT: A <sup>19</sup>test stand for critical assemblies was put into operation at the Institute of Physics AN UkrSSR at the end of 1964. The installation uses assemblies of fuel elements of the VVR-M research reactor; the moderator is ordinary water; the side reflector is made from the beryllium reflectors of the VVR-M reactor. The stand is located in a separate building. The radioactive zone is separated from the control panel by one meter of concrete shielding. The installation is equipped with sensitive monitoring and measuring systems as well as with systems for automatic and remote control. All precautions have been taken to assure reliable nuclear

UDC: 621.039.572

Card 1/3

46  
B

L 14219-66  
ACC NR: AP6005535

safety and automatic control of the critical assemblies. A dc amplifier is connected to a galvanometer for monitoring currents in the ionization chamber down to  $10^{-12}$  amp. Two recording potentiometers and a pulse rate counter are used for monitoring the power level. The instruments give reliable readings below the subcritical power level. Automatic control of the process is possible during operation at a power of more than 0.03 w which corresponds to an average thermal neutron flux of about  $0.4 \cdot 10^6$  neutrons/cm<sup>2</sup>.sec. The automatic regulator consists of two KNK-56 ionization chambers connected in parallel, a potentiometric power controller with a high impedance input and a steel absorber, an electronic amplifier and an amplidyne. This automatic regulator is extremely convenient for operation with critical assemblies. It may be used for rapid compensation of a chain reaction at "zero" power levels and for calibration of control rods. The unit increases work safety and accuracy of holding a constant power level when detectors are activated. In addition to the steel absorber in the automatic regulator, chain reaction may be controlled by two or three boron remote control rods. An emergency signal automatically brings these rods together with three emergency safety rods into the radioactive zone of the assembly. All control and safety rods are moved by servo drives which are connected to selsyns and position indicators. Operational experience at

Card 2/3

L 14219-66

ACC NR: AP6005535

the Institute of Physics has shown that the test stand is a versatile tool which  
may be conveniently used for experimental research in physics and nuclear engineer-  
ing. Orig. art. has: 4 figures. [14]

SUB CODE: 18/      SUBM DATE: 29Jul65/      ATD PRESS: 4195

TS  
Card 3/3

STRUTSOVSKAYA, A. L.

Mbr., Central Sci. Res. Pediatrics Inst., Min. Health RSFSR, -c1949-. "Character of Monocyte Count in Scarlet Fever Cases," *Pediatrics*, No. 2, 1949; "Treating Scarlet Fever in Children with Dry Serum," *ibid.*



USSR, A.S.

24 3/4/80

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USSR/Medicine - Scarlet Fever, Therapy Mar/Apr 49  
Medicine - Penicillin

"Annotated List of Articles" 5 pp

"Pediatriya" No 2

Includes following articles: M. I. Pesikova's  
"Experimental Penicillotherapy for Severe Infec-  
tions in Children," A. L. Strutsovskaia's "Treat-  
ing Scarlet Fever in Children With Dry Serum," Ye.  
Ya. Belyayeva's "Skin Tests With a Complete Antigen  
in Children With Dysentery," and N. V. Dmitriyeva's  
"Paratyphoid in Children."

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LC

41/49T80

STRUTSOVSKAYA, A. L.

Scarlatina

Clinical and immunologic parallels in scarlet fever.  
Pediatriia no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

STRUTSOVSKAYA, A. L.

Treatment of scarlet fever with penicillin. Fel'dsher & akush.,  
Moskva, no.4:25-27. April 1952, (GIML 22:2)

1. Candidate Medical Sciences.

Excerpta Medica 8/4 sec 6 April 54 Internal Medicine

2286. STRUTSOVSKAYA A. L. \*Some clinical and laboratory findings in new forms of treatment of scarlet fever (Russian text) VOP. PEDIAT. 1952, 20/4 (35-40) Graphs 2 Tables 2

Fifty-six children isolated from the time of admission and treated with 100,000-200,000 U. of penicillin for 5-6 days were compared on the day of discharge with 50 control children. The only difference in the course was that the inflammation of the tonsils disappeared 1-2 days earlier in the treated group. In the later course pyrexia was equally frequent in both groups. In the treated group it reached 37-37.4°C. and lasted 1-2 days, and in the control group it reached 37.4-38°C. and lasted 3-5 days. In the 1st group only 1 case of lymphadenitis occurred, while in the 2nd group there were 8 cases of lymphadenitis, 2 of otitis and 1 of peritonsillar abscess. The WBC count, the differential count, monocytoqram and sedimentation rate became normal earlier in the treated group. The antifibrinolysin titre rose to higher values in the group not treated with penicillin. In both groups cases with chronic tonsillitis were more inclined to a prolonged acute phase, relapses of tonsillitis in the convalescent period, a higher rate of complications and pyrexia and a slower normalization of the laboratory findings.

Najman - Rijeka (XX,7,6)

STRUTSOVSKAYA, A.L.

Results of formation of conditioned phagocytic reaction in children. Zh.  
vyssei nerv. deiat. 3 no.2:233-246 Mar-Apr 1953. (GLML 24:4)

1. Infectious Department of the State Scientific-Research Pediatrics  
Institute of the Ministry of Public Health USSR.

СТРУПОВАЯ, Anna Lazarevna.

Moscow Sci Res Clinical Inst, Academic degree of Doctor of Med Sci, based on her defense, 21 Mar 55, in the Council of 2nd Moscow State Med Inst, of her dissertation entitled: "Clinico-immunological indicators in the dynamics of scarlet fever among children."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 5, 3 Mar 56, Byulleten' MVU SSSR, No. 2, Jan 57, Moscow, pp 17-20, Uncl. JPRS/NY-466

STRUTSOVSKAYA, A.L.; YUDIN, Yu. G.

Case of pericardial mesothelioma in an infant. Vop. onk. 4 no.5:607-610 '58. (MIRA 12:1)

1. Iz pediatricheskoy kliniki (zav. - prof. M.I. Olevskiy) i patomorfologicheskogo otdela (zav. - prof. S.B. Vaynberg) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirskego (dir. - kand. med. nauk P.M. Leonenko). Adres avtora: Moskva, 3-ya Meshchanskaya ul. d. 61/2, Moskovskiy klinicheskiy institut im. Vladimirskego, korp. 10.

(MESOTHELIOMA, in inf. & child,  
pericardium (Rus))

(PERICARDIUM, acopl.  
mesothelioma in inf. (Rus))

STRUTSOVSKIYA, A.L., doktor med.nauk

Problems of the clinical aspects and treatment of virus  
influenza in children. Vop.okh.mat. i det. 4 no.3:24-28  
My-Je '59. (MIRA 12:8)

1. Iz Moskovskogo oblastnogo nauchno-issledovatel'skogo  
klinicheskogo instituta (dir.P.M.Leonenko) na baza Mytish-  
chinskoy detskoy infektsionnoy bol'nitsy (glavnyy vrach M.I.  
Gorshkov).

(INFLUENZA)



STROPSOVSKAYA, A.L.

Clinical aspects and treatment of acute diffuse nephritis in  
children. Vop. klin. pat. no.3:89-97 '61. (MIA 14:12)  
(KIDNEYS\_\_DISEASES) (CHILDREN\_\_DISEASES)

GRISHINA, T.A., kand.med.nauk; OLEVSKIY, M.I., prof.; STRUTSOVSKAYA,  
A.L., doktor med.nauk

Basic principles for conducting the work of raising the  
qualifications of physician-pediatricians in Moscow Province.  
Vop.okh.mat.i det. 7 no.9:72-75 S '62. (MIRA 15:12)

1. Iz Moskovskogo oblastnogo otdela zdravookhraneniya (zav. -  
zasluzhenny vrach RSFSR P.G.Demidov) i Moskovskogo oblastnogo  
nauchno-issledovatel'skogo klinicheskogo instituta (dir. -  
zasluzhenny vrach RSFSR P.M.Leonenko).

(MOSCOW PROVINCE--PEDIATRICS)

DAVYDOVA, I.N.; MANOYLOV, S.Ye.; STRUTSOVSKAYA, S.V.; CHOCHIA, K.N.

Prevention and treatment of radiation injuries of the skin with  
stickleback oil; experimental and clinical observations. Vest.rent.  
i rad. 31 no.5:16-20 S-O '56. (MLRA 10:1)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSR (dir. - prof. M.N. Pobedinskiy)

(SKIN, wds. and inj.

radiation inj., ther. & prev. with stickleback oil)

(ROENTGEN RAYS, inj. eff.

skin inj., ther. & prev. with stickleback oil)

SHCHERBINA, M.G.; STUKOVA, L.M.; STRUTSOVSKAYA, S.V.; REPINA, V.A.

Treatment of primary cancer of the vagina with radioactive cobalt  
with an evaluation of remote results. Med. rad. 5 no.9:67-70 S  
'60. (MIRA 13:12)

(VAGINA--CANCER)

(COBALT--ISOTOPES)

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PETROV, V.A.; PALLADIYEV, N.M.; REPINA, V.A.; SHKOLA, L.M.  
STRUTSOVSKAYA, S.V.

Example of estimating the focal and integral absorbed doses  
in combined radiotherapy of patients with cancer of the cervix  
uteri. Med. rad. 8 no.10:52-57 0 '63. (MIRA 17:6)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta  
meditsinskoy radiologii Ministerstva zdorovookhraneniya SSSR.

ACCESSION NR: AP4003129

S/0241/63/008/011/0030/0033

AUTHOR: Stukova, L. M.; Strutsovskaya, S. V.; Repina, V. A.;  
Luk'yanov, V. P.

TITLE: Treatment of radiation injuries of the skin and mucous  
membranes with chlorophyll-carotene paste

SOURCE: Meditsinskaya radiologiya, v. 8, no. 11, 1963, 30-33

TOPIC TAGS: skin radiation injury, mucosa radiation injury,  
chlorophyll carotene paste, radiation injury therapy

ABSTRACT: In a clinical test 39 women and 6 men, ages 25-74 yrs,  
were treated with chlorophyll-carotene paste for radiation injuries  
of the skin and mucous membranes of the pelvis. The 19 patients  
with skin injuries were treated by direct application of the paste to  
the skin with bandages. The 26 patients with mucous membrane injuries  
(rectitis, cystitis, and colpitis) were treated by irrigation of  
injured sections with the paste dissolved in a 1% novocaine solution.  
Chlorophyll-carotene paste was found therapeutically effective in all  
cases. Length of treatment depended on extent of radiation injury.

Card 1/2

ACCESSION NR: AP4003129

For radiation skin injuries, the periods were 10 days for stage II and up to a year for stage III. For radiation mucous injuries, the periods were 5-10 days for first degree, 2 weeks-1½ mos for second degree, and 1-6 mos for third degree. Chlorophyll-carotene paste quickly clears the injured surface of necrotic stratifications and stimulates the development of granulation tissue and epithelization which promotes healing. Orig. art. has: 2 figures.

ASSOCIATION: Tsentral'nyy\* nauchno-issledovatel'skiy institut meditsinskoy radiologii ministerstva zd'ravokhraneniya SSSR i kafedry\* meditsinskoy radiologii GIDUV (Central Scientific-Research Institute of Medical Radiology of the Ministry of Health SSSR and the Department of Medical Radiology of GIDUV)

SUBMITTED: 12Mar63

DATE ACQ: 20Dec63

ENCL: 00

SUB CODE: AM

NO REF SOV: 004

OTHER: 000

Card 2/2



L 53969-65

ACCESSION NR: AP5011231

UR/0241/65/010/004/0038/0042  
618.146-006.6-085.849.7-  
036.8-07:616.1-008.1

~~4~~  
B

AUTHOR: Vasil'yeva, Ye. I.; Strutsovskaya, S. V.

TITLE: The status of the cardiovascular system in patients with uterine cervic cancer at late periods after radiation therapy

SOURCE: Meditsinskaya radiologiya, v. 10, no. 4, 1965, 38-42

TOPIC TAGS: radiation therapy, cardiovascular system, tumor, uterus, hemopoiesis

ABSTRACT: Thirty-two women, mostly 41-60 years of age, who had received radiation therapy for uterine carcinoma were followed up for periods ranging from 5 to 12 years to assess the long-term effects of radiation of the lesser pelvis on various hematological indices. While the great majority remained able to work, all suffered impairment, in some degree, of the cardiovascular, nervous, and endocrine systems. The cardiovascular disorders were attributed not only to the radiation, but also to the climacteric syndrome induced by endocrine dysfunction. Local

Card 1/2

L 53969-65  
ACCESSION NR: AP5011231

radiation lesions were dismissed as a factor. The changes noted in the cardiovascular system are regarded as the result of secondary radiation effects following disruption of endocrine-nervous mechanisms and impairment of hematopoiesis. Orig. art. has: 3 tables.

ASSOCIATION: Radioginekologicheskoye otdeleniye Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta, Ministerstva zdравo-okhraneniya SSSR (Radiation-Gynecology Department, Central Scientific Research Institute of Roentgenology and Radiology, Ministry of Health SSSR)

SUBMITTED: 28Oct64

ENCL: 00

SUB CODE: LS

NO REF SOV: 006

OTHER: 001

Card 2/2

STUKOVA, I.M.; STRUTSOVSKAYA, S.V.; REFINA, V.A.

Clinical aspects and treatment of recurring cancer of the cervix  
uteri. Vop. onk. 10 no.10:46-51 '64. (MIRA 13:8)

1. Iz radioginekologicheskogo otdeleniya (zav. - kand.med.nauk A.I. Gabelov) Tsentral'nogo nauchno-issledovatel'skogo rentgenoradiologicheskogo instituta Ministerstva zdorovookhraneniya MSSR (direktor - Ye.I.Vorob'yev).

1100, A. ...

Some problems in solving the Volterra integral equation for  
the earth considered a plane. Rev geofizika 9 no.1:20-27 '65.

L 3736-66

ACCESSION NR: AP5027641

CZ/0023/65/009/002/0137/0144

AUTHOR: Tiron, Marin (Doctor) (Bucharest); Strutu, Constantin (Bucharest)

32  
B

TITLE: Some problems regarding the method of solution of Molodenskiy's integral equation for the Earth considered as a plane [This paper was presented at the Symposium on the Determination of the Figure of the Earth, October 6 - 10, 1964, Prague]

SOURCE: Studia geophysica et geodaetica, v. 9, no. 2, 1965, 137-144

TOPIC TAGS: integral equation, geodesy, gravimetry

Abstract [Author's Russian <sup>12,44,55</sup> summary, modified<sup>12,44,55</sup>]: The article presents certain concepts regarding the solution of Molodenskiy's integral equation for the case of a flat Earth. It is emphasized that according to the formulas recommended by the author the influences of the central zone are considered more precisely than with previously known equations. Formulas are cited for the construction of the corresponding master curves in two variants. In the first variant the region of integration is divided into rectangles of equal size. In the second variant there is a division into rectangles of equal influence, and thus of unequal dimensions. It is considered that the second variant can be used also in calculating corrections for relief.

Card 1/2

L 3736-66

ACCESSION NR: AP5027641

ASSOCIATION: none

SUBMITTED: 06Oct64

ENCL: 00

SUB CODE: ES, MA

NO REF SOV: 005

OTHER: 002

JPRS

*MC*  
Card 2/2

STRZYMIŃSKA, H.

"Mechanization of the Gathering, Cleaning, and Drying of Grain by Harvesting With a Combine", P. 25, (MACHINE CONSTRUCTION, Vol. 3, No. 6, June 1954, Warszawa, Poland).

SO: Monthly List of East European Acquisitions, (EBAL), LC, Vol. 4, No. 5, May 1954, Wash.

STRUTYNSKA, K.

Tests with sprayers; a contribution to the formulation of a method for investigating sprayers, p. 51. (ROZNIKI NAUK ROLNICZYCH, Warszawa, Vol. 66, no. 3, 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,  
Uncl.



POLAND/Chemical Technology - Chemical Products and Their  
Application. Food Industry.

H-20

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 26808  
Author : Strutynska Krystyna  
Inst :  
Title : Storage of Newly Harvested Grain.  
Orig Pub : Przegl. zboz.-mlynarski, 1957, 1, No 4, 11-13  
Abstract : Different drying procedures are considered.

Card 1/1

- 74 -

STRUTYNSKA K.

I-28

Country : Poland  
Category : Chemical Technology. Chemical Products and Their  
Applications. Food Industry 40436  
Abs. Jour. : R.Zh - Khim., No 11, 1959  
Author : Strutynska, K.  
Institut. : Not given  
Title : Polish Seed Drier  
Orig Pub. : Przegląd Zboz-Mlynarski, 2, No 8, 250-252 (1953)  
Abstract : The construction and principle of operation of a  
Polish shaft seed drier are described.  
Z. Fabinskiy

Card: 1/1

1959, ...

1959, ...

Periodicals: ... Vol. 3, ... 1, Jan. 1959

... 13 days, p. 21.

Monthly List of East European Accessions (D-11) Vol. 3, no. 5  
May 1959, ... class.

STRUTYNSKA, K.

Postulates concerning cereal economy in agriculture. Postepy nauk  
roln 7 no.3:35-53 My-Je '60. (EEAI 9:12)  
(Poland--Grain)

LEVINSON-LESSING, F.Yu. [Loewinson-Lessing, F.IU.]; STRUVE, E.A.;  
PETROV, R.P.; DEMIN, A.M.; BORSUK, A.M.; YEZHOV, A.I.;  
AFANAS'YEV, G.D., red.; PETROV, V.P., red.; USTIYEV, Ye.K.,  
red.; VLASOVA, I.V., red. izd-va; SAMARCHYAN, L.M., red.  
izd-va; SMIRNOVA, Z.A., red. izd-va; GUROVA, O.A., tekhn.  
red.

[Dictionary of petrography] Petrograficheskii slovar'. Pe-  
rer. i dop. R.P.Petrovym i dr. Pod red. G.D. Afanas'eva, V.P.  
Petrova i E.K. Ustieva. Moskva, Gosgeoltekhizdat, 1963. 447 p.  
(MIRA 16:6)

(Russian language--Dictionaries)  
(Petrology--Dictionaries)

STUJL, S.S.

Prilozheniye k teorii i vanilator. (TSU. Izv., 1935, no. 211, p. 211-212; 11 p., 11 figs.)

Summary in English: p. 211.

Title tr.: A straight-flow centrifugal fan.

AD11.465 no.211

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

SP-11, S.S., and L.L. S.S.

Oslovi revidovani v. Filiator T.S. (S.S. Tropy, 1936, no.211, p. 206-211, illus., etc.)

Source in English: p. 292

Title tr.: Reversible air of the S.F. type.

QA211. W5 no.211

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

1955, S.S.

Исследования в области аэродинамики вентилятора. Качественное исследование в области аэродинамики вентилятора перед и за осевым вентилятором. Москва, 1957. 18 p., diagrams. (TSAGI. Trudy, no. 326)

See also in English.

Title tr.: Check calculation of preliminary experimental investigation of the air flow in front of and behind the axial fan.

QA711.A65 no.295

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.



STEINVE, E.E.

Poverochnyi raschet oseвого ventilatora. Moskva, 1937. 120 p., tables, diags.  
(TSAGI. Trudy, no. 295)

Summary in English.

Title tr.: Theoretical determination of axial fan performance.

QA911.M65 no.295

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress,  
1955

STRUVE, E.E.; DIK, I.P.; STARTSEV, G.S.; KERSTEN, I.O., inzhener,  
retsenzent; BUTAKOV, S.Ye., doktor tekhnicheskikh nauk, redaktor;  
DUGINA, N.A., tekhnicheskii redaktor.

[Ventilators and pumps; methods of selecting and designing] Ven-  
tilatory i nasosy; metod podbora i proektirovaniia. Moskva, Gos.  
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 138 p. (MLRA 8:9)  
(Fans, Mechanical) (Pumping machinery)

STRUVE, G.A.

Remote control of the welding current. Avtom. svar. 13 no.9:62-64  
S '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvaroch-  
nogo oborudovaniya.  
(Electric welding--Equipment and supplies)  
(Remote control)

МЕРЛИН, К. В., МАКЕДОНСКИЙ, Д. П.

Spectral method for the analysis of mineral impurities of cell-  
ulose for chemical processing. Atom. volokna, no. 4, 1963 (MIRA 18:4)

1. Leningradskiy tekhnologicheskoy institut khododil'noy  
promyshlennosti (for Struve). 2. Vsesoyuznyy nauchno issledovatel'skiy  
instit. iskusstvennogo volokna (for Makodonskiy).

STROVE, M.E.

BULAVSKIY, S.K.; STROVE, M.E., redaktor; ROZIN, M.S., redaktor; GO-  
LITSYN, A.V., redaktor kart; KOSHELEVA, S.M., tekhnicheskii re-  
daktor.

[Italy; popular sketch] Italiia; populiarnyi ocherk. Moskva, Gos.  
izd-vo geogr. lit-ry, 1954. 182 p. [Microfilm] (MIRA 8:2)  
(Italy)



11F

CA

**Histochemical study of arginine in normal tissues.** G. I. Roskin and M. E. Struve. (M. V. Lomonosov State Univ. Moscow). *Doklady Akad. Nauk S.S.S.R.* 58, 1773 (1947).  
The orange-red color test for arginine (Serra, C.I. 40, 2179) was used in glycerol or glycerol-gelatin media on a wide variety of animal tissue specimens. Arginine was found in varying amts. in all specimens except for the white matter of mouse or frog brain and the glial cells and white matter of the brain cortex of mouse and rat. Especially rich are liver endothelium and heart musculature. G. M. K.

CA

11F

Cytochemical changes of ribonucleic acid and arginine during cell mitosis. G. I. Roskin and M. E. Struve. *Dokl. Akad. Nauk S.S.S.R.* 58, 2071-3(1947).  
 Changes in isophoric properties during fission in response to changes in ribonucleic acid content vary with specimens. In bee brain a decrease is quite severe, but lesser changes occur in the basic epithelium of frog. Change of stain color with methylene green from green to violet during mitosis does not always take place and is absent in the mitosis of intestinal cells of the axolotl. The arginine test is positive in mitosis of mouse seminals and the nuclei and plasma show similar content of the compound; chromosomes give a very strong test in all stages of mitosis. The small intestine of the mouse during cell mitosis also gives the arginine test, with nuclei being richer than the plasma; the content in the latter declines with progress of mitosis and the arginine of the nucleus comes in the chromosomes. Finally the Heaun-Pierce cancer cell mitosis specimens show an intense arginine test, approx. equally distributed between plasma and nucleus, and the content in the former declines with advance of mitosis. Similar is the picture of adenocarcinoma in humans. G. M. Kosolapoff

New State U.



CA

8

Histologic physiology of succinic dehydrogenase in mam-  
malian tissues. G. I. Roskin and M. K. Struve (Lomono-  
sov State Univ., Moscow). *Doklady Akad. Nauk*  
*S.S.S.R.* 69, 441-4 (1940).--Empirical coeffs. of activity  
of the enzyme in various tissues of mice and rabbits and  
human blood are given. The decolorization of methylene  
blue used as the indicator is nonuniform and varies con-  
siderably with different specimens. Generally, optimum  
pH is 7.6-8.0. G. M. Kosolapoff

3704. 2017, n. 1. i. 1704, n. 1. K Bravitel' noy i fiziologicheskoy

kharakteristikoy... yater... vrosloye... i...  
vrosloye... i... zloshchestvennyy...  
nauk SSSR. Novaya seriya 1. LAK, n. 5, 1979, s. 67-73 - - Bibliogr: 11 izv.

30: Iatogin' Journal'nykh State, Vol. 7, 1979

STRUVE, M. Ye.

ROSKIN, G.I.; STRUVE, M. Ye.; SKLYAR, T.I.

Histochemistry of succinodehydrogenase of embryo and malignant tumor cells.  
C.R.Acad.Sci. U.R.S.S. '52, 84, 345-348. (MLRA 5:6)  
(BA -AIII My '53:680)

STRUVE, M. E.

~~Histochemistry of arginine and histidine in the develop-  
 ing and in the formed motor cells of the spinal cord and the  
 pyramidal cells of the brain cortex. M. E. Struve (M.V.  
 Leningrad State Univ., Moscow). Doklady Akad. Nauk  
 S.S.S.R. 91, 659-62(1953).—Tests were made on portions  
 of the spinal cord and cerebral cortex from adult and em-  
 bryonic specimens of rabbits, rats, and mice for arginine  
 and histidine (cf. Serra, *Naturwissenschaften* 32, 40(1944), and  
 diazo reaction for histidine). The plasma of motor cells of  
 adult spinal cord gave distinct color tests for both substances,  
 while nucleoli and protein grains of the nucleus gave very  
 distinct tests. The tigroid cells contain somewhat more  
 histidine and little more arginine than the surrounding  
 cytoplasm. In the embryonic specimens there is seen a  
 gradual increase of intensity of the color reactions in the  
 cell cytoplasm, nucleoli, protein granules in the nuclei and  
 weak reaction in the karyoplasm. In the karyoplasm of the  
 neuroblasts of developing embryos there is seen a gradual  
 decline of histidine with development of the gray matter  
 of the brain; a similar change occurs with arginine but less  
 distinctly. The content of arginine and histidine gradually  
 approaches those of the adults. In the pyramidal cells of  
 adult brain two types of cell are found, some giving  
 very distinct tests in the cytoplasm, and in the protein  
 granules and nucleoli; the content of arginine and histidine  
 is approx. equal in the tigroid matter and the cytoplasm.  
 The other type of the pyramidal cell shows very weak tests  
 for arginine and histidine even in the nucleoli. There is a  
 gradual decline of arginine and histidine in the developing  
 embryonic karyoplasm of nuclei of the spinal gray matter  
 and the intermediate matter of the cerebral cortex.~~

3  
 (2)  
 Med

Chem Abs V48  
 1-25-54  
 Physiology

RH  
 8-10-54

G. M. Koehnert

STRUVE, M. Ye.

ROSKIN, G.I.; STRUVE, M. Ye.; OPARIN, A.I., akademik.

Cytochemical diversity of the protoplasm of various Protozoa species. Dokl.  
AN SSSR 93 no.1:151-153 N '53. (MLBA 6:10)

1. Akademiya nauk SSSR (for Oparin).

(Protozoa)

STRIVE, E. YU.,

"Histochemistry of Arginine and Histidine Amino Acids in Various Tissues of a Number of Vertebrates (in Adults and at Various Stages of Ontogenesis)." (Dissertation for Degree of Candidate of Biological Science) Moscow Order of Lenin State University N. V. Lenonov, Moscow, 1955

SO: M-1036 28 Mar 56

ROSKIN, G.I.; STRUVE, M.Ye.

Biological and cytodiagnostic significance of the reaction of mature, developing and cancerous cells and tissues with the leuco base of methylene blue. Nauch.dokl.vys.shkoly;biol. nauki no.3:35-47 '58. (MIRA 11:12)

1. Predstavlena kafedroy gistologii Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

(METHYLENE BLUE) (CANCER--DIAGNOSIS)  
(STAINS AND STAINING (MICROSCOPY))

ROSKIN, G.I.; STRUVE, M.Ya.

Cytochemical observations of ribonucleic acid in motor and  
sensory nerve cells. *Sitologia* 1 no.4:415-421 J1-Ag  
'59. (MIRA 12:10)

1. Kafedra gistologii Moskovskogo gosudarstvennogo universiteta.  
(NUCLEIC ACIDS) (NERVES)



ROSKIN, G.I. (Moskva, Sretenka, Seliverstov per., d.1, kv.32); STRUVE, M.Ya.

Reaction with a leukobase of methylene blue as a method for  
the cytodiagnosis of malignant tumors. Vop.onk. 5 no.2:167-  
172 '59. (MIRA 12:6)

1. Iz kafedry gistologii (zav. - prof. A.N.Studitskiy) Moskov-  
skogo gosudarstvennogo universiteta.

(NEOPLASMS, diag.

cytodiag., using reaction with leukobasis of  
methylene blue (Rus))

(METHYLENE BLUE

reaction with leukobasis of methylene blue in  
cytodiag. of cancer (Rus))

STRUVE, M.Ye. (Moskva, B-49. Donskaya ul., 42 kv.41)

Histochemistry of arginine and histidine in muscle tissues. Arkh.  
anat.gist.1 embr. 37 no.10:48-61 O '59. (MIRA 13:4)

1. Kafedra gistologii (zaveduyushchiy - prof. A.N. Studitskiy)  
Moskovskogo universiteta.

(MUSCLES chem.)  
(ARGININE chem.)  
(HISTIDINE chem.)

17(1,4)

AUTHORS:

Roskin, G. I., Struve, M. Ye.

SOV/20-125-3-50/63

TITLE:

Cytochemistry of the Thiol-groups of the Sensible and Motor Neurons (Tsitokhimiya tiolovykh grupp chuvstvitel'nykh i motornykh neyronov)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 639-642 (USSR)

ABSTRACT:

Motor cells of the anterior horns of the cord and the sensible cells of the spinal ganglia of rabbit and rat were used for the experiment. Figure 1 shows the topographical distribution of the SH- and S—S—groups in the sensible and motor neurons. Table 1 gives the relative reaction intensity (from + to +++) of various components of the protoplasm of these cells. Column A shows the results of an immediate determination of the SH-groups after a fixation with formalin; in column B the results are given after a previous treatment with 10% trichloroacetic acid (in order to reveal the so-called masked SH-groups which are bound to the proteins); column V contains results after a treatment with 10% KCN-solution (during 5-10 min) or with 10% Na<sub>2</sub>SO<sub>3</sub>-solution before fixing in order to transfer the S—S-groups into SH-groups. The authors discuss

Card 1/3

Cytochemistry of the Thiol-groups of the  
Sensible and Motor Neurons

SOV/20-125-3-50/63

the limits of accuracy of the applied cytochemical method in order to be able to estimate correctly the cytophysiological importance of their observations (Refs 1-7, 10, 12-14, 15). It is necessary to admit (in accordance with Gomori, Ref 6) that it is not possible to determine at the present stage of cytochemical research, which of the reactions upon the SH-groups supplies the most reliable results of the distribution and the amount of these substances in the cells. The cytoplasm of the motor cells contains SH-groups to a small extent (type A, visible immediately after treatment with formalin) or to a somewhat larger extent (type B - after trichloroacetic acid) or it contains also S-S-groups. The cytoplasm of the sensible cells contains a relatively large amount of SH-groups of the A-type and hardly any S-S-groups and SH-groups of the B-type. The tigroid of the motor cells reacts intensively upon S-S-groups and SH-groups of the type A and B. The reaction of the tigroid of the sensible cells on all mentioned groups is negative. Nuclei of the motor cells react intensively upon all 3 groups. In the nuclei of the sensible cells there are only traces of SH-groups of the

Card 2/3

Cytochemistry of the Thiol-groups of the  
Sensible and Motor Neurons

SOV/20-125-3-50/63

type B. The nucleolus of the motor cells is relatively rich in SH-groups of the A-type, contains, however, only small amounts of the B-type. There is a lack of SH-groups, whereas the nucleoli of the sensible cells are very rich in the SH-groups of the A-type. There are few of the type B, S—S-groups lack. The neurites of the motor cells do not perform any remarkable reaction upon the two groups. The dendrites of the motor cells perform the same reaction as cytoplasm upon the SH-groups of the B-type and upon the S—S-groups; the reaction upon the A-type of the former is much weaker. Thus, the data of previous papers are completed (Refs 16-18). The paradoxal weakening of the reaction in several cases (Table 1) after KCN-treatment requires a special investigation. There are 1 figure, 1 table, and 18 references, 3 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova  
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: November 1, 1958, by A. I. Oparin, Academician

SUBMITTED: October 31, 1958  
Card 3/3

ROSKIN, G.I.; STRUVE, M.Ye.

Cytochemistry of histones and histonelike proteins of nerve cells.  
TSitologia 2 no. 6:724-729 N-D '60. (MIRA 13:12)

1. Kafedra tsitologii i gistologii Moskovskogo universiteta.  
(HISTONES) (NERVES)

TEODORESKU, M.; STRUVE, M.Ye.

Cytochemistry of nerve cells in the subesophageal ganglion of the edible snail *Helix pomatia*. Nauch. dokl. vys. shkoly; biol. nauki no.2:58-63 '62. (MIRA 15:5)

1. Rekomendovana kafedroy gistologii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.  
(SNAILS) (NERVOUS SYSTEM—MOLLUSKS)  
(HISTOCHEMISTRY)

STRUVE, M.Ye. (Moskva, V-415, Leninskiy prospekt, d.104, kv.58); ROSKIN, G.I.;  
OGLOBLINA, T.A.

Cytochemically distinct types of human tumor cells. Vop onk. 10  
no.8:41-46 '64. (MIRA 18:3)

1. Iz laboratorii eksperimental'noy tsitologii i ts'tokhimii  
rakovoy kletki, kafedry tsitologii i gistologii (zav. - prof. G.I.  
Roskin) Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.



STROVE, N.V.

Origin of the diabase-porphyry Magnitogorsk igneous complex.  
Trudy VSEGEI 98:90-98 '63. (MIRA 17:5)

STRUVE, N.

23571

VOSSTANOVLENIYe TAREICK KLAPANOV DVIGATELEY DAVLENIYeM. AVTOMOBIL',  
1949, No. 7, C. 12--15.

SO: LETOPIS' NO. 31, 1949.

TO: [REDACTED]

FROM: [REDACTED] (1) [REDACTED] (2) [REDACTED] (3) [REDACTED] (4) [REDACTED] (5) [REDACTED] (6) [REDACTED] (7) [REDACTED] (8) [REDACTED] (9) [REDACTED] (10) [REDACTED] (11) [REDACTED] (12) [REDACTED] (13) [REDACTED] (14) [REDACTED] (15) [REDACTED] (16) [REDACTED] (17) [REDACTED] (18) [REDACTED] (19) [REDACTED] (20) [REDACTED] (21) [REDACTED] (22) [REDACTED] (23) [REDACTED] (24) [REDACTED] (25) [REDACTED] (26) [REDACTED] (27) [REDACTED] (28) [REDACTED] (29) [REDACTED] (30) [REDACTED] (31) [REDACTED] (32) [REDACTED] (33) [REDACTED] (34) [REDACTED] (35) [REDACTED] (36) [REDACTED] (37) [REDACTED] (38) [REDACTED] (39) [REDACTED] (40) [REDACTED] (41) [REDACTED] (42) [REDACTED] (43) [REDACTED] (44) [REDACTED] (45) [REDACTED] (46) [REDACTED] (47) [REDACTED] (48) [REDACTED] (49) [REDACTED] (50) [REDACTED] (51) [REDACTED] (52) [REDACTED] (53) [REDACTED] (54) [REDACTED] (55) [REDACTED] (56) [REDACTED] (57) [REDACTED] (58) [REDACTED] (59) [REDACTED] (60) [REDACTED] (61) [REDACTED] (62) [REDACTED] (63) [REDACTED] (64) [REDACTED] (65) [REDACTED] (66) [REDACTED] (67) [REDACTED] (68) [REDACTED] (69) [REDACTED] (70) [REDACTED] (71) [REDACTED] (72) [REDACTED] (73) [REDACTED] (74) [REDACTED] (75) [REDACTED] (76) [REDACTED] (77) [REDACTED] (78) [REDACTED] (79) [REDACTED] (80) [REDACTED] (81) [REDACTED] (82) [REDACTED] (83) [REDACTED] (84) [REDACTED] (85) [REDACTED] (86) [REDACTED] (87) [REDACTED] (88) [REDACTED] (89) [REDACTED] (90) [REDACTED] (91) [REDACTED] (92) [REDACTED] (93) [REDACTED] (94) [REDACTED] (95) [REDACTED] (96) [REDACTED] (97) [REDACTED] (98) [REDACTED] (99) [REDACTED] (100)

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TITLE: Letters to the Editor (Pis'ma v redaktsiyu) To Create the Scientific History of the Country's Vuzes (Sozdat' nauchnuyu istoriyu vuzov strany)

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ABSTRACT: The authors point out the outstanding role which the country's higher educational institutions have played in national and world's science, in training intellectual personnel and in developing the country's industrial forces. They advocate the writing of a scientific history of every vuz and considers this to be a matter of urgency and of great educational importance.

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