

KHAN, Aleksandr Vasil'yevich; ORLOVSKAYA, A., red.

[Consolidated mechanized sheepshearing station] Ukrupnennyi  
strigal'nyi punkt. Alma-Ata, Kainar, 1964. 57 p.  
(NIRA 18:3)

SAVIN, D.K., nauchn. sotr.; FRANKOVSKIY, TS.F., nauchn. sotr.;  
NAURUZBAYEV, S.K., nauchn. sotr.; SON, I.N., nauchn.  
sotr.; SUSLIN, V.D., nauchn. sotr.; MARTYUSEEV, Ye.D.,  
nauchn. sotr.; ORLOVSKAYA, A., red.; YEGOROVA, V., red.

[Mechanization of livestock feeding] Mekhanizatsia ot-  
korma skota. Alma-Ata, Kainar, 1965. 237 p.  
(MIRA 18:7)

1. Kazakhskaya Akademiya sel'skokhozyaystvennykh nauk.  
Nauchno-issledovatel'skiy institut mekhanizatsii i  
elektrifikatsii sel'skogo khozyaystva. 2. Kazakhskiy  
nauchno-issledovatel'skiy institut mekhanizatsii i  
elektrifikatsii sel'skogo khozyaystva (for all except  
Orlovskaya, Yegorova).

MURATOV, Nikolay Vasil'yevich, inzh.-gidromeliorator; ORLOVSKAYA, A.,  
red.

[Basin snow-water irrigation on wide strips; basic calculations] Limannoe oroshenie po shirokim polosam; osnovnye raschety. Alma-Ata, Kainar, 1964. 53 p. (MIRA 18:11)

ORLOVSKAYA, A.A.

137-1958-1-117

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 18 (USSR)

AUTHOR: Orlovskaya, A. A.

TITLE: Production Tests of Washers at the "Komsomolets" Placer in 1956 (Tekhnologicheskiye ispytaniya promyvochnykh priborov na priiske "Komsomolets", v 1956 godu)

PERIODICAL: Kolyma, 1957, Nr 4, pp 9-13

ABSTRACT: The purpose of the investigations was to disclose washer design and production inadequacies so as to develop methods for improving their output indices. The tests conducted make it possible to draw certain conclusions on the operation of MPD-4-56 washers. In these machines, the bulk of the metal (65-92 percent) is trapped in the gold-saving main sluice at the head of the operation, metal of both the large and fine fractions, down to 1 mm, being caught. The more frequently the gold-saving sluice is rinsed out, the greater the amount of metal extracted. Rinsing has to be done every 2 hours. To attain uniform distribution of the material among the main sluices and to create conditions favorable for the deposition of metal thereon, it is necessary to install a metering sluice, 1 - 1.5 m long, between the bottom of

Card 1/2

USSR / Human and Animal Morphology (Normal and Pathological). Skins.

S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45630.

Author : Orlovskaya, B. V.

Inst : Not given.

Title : Interrelation of Fiber Structure of the Connective Tissue in the Light of New Data on the Composition of Collagen.

Orig Pub: Arkhiv patologii, 1956, 18, No 1, 68-74.

Abstract: The skin of rats was studied. The isolated pre-collagen and a tissue remnant, after the removal of collagen, were investigated histochemically, electronmicroscopically and by a method of X-ray structural analysis. It is established that collagen represents a multiphase system, the basic components of which are precollagen (P) and col-

Card 1/2

... they become amenable to histo-  
chemical reactions. After the complete separation  
of P, in place of the collagen bundles, there ap-  
pear during silver impregnation, the argyrophil  
fibers, which are a part of C. The argyrophil  
fibers of the fibrous connective  
tissue represent the argyrophil albumin of C,  
which has been developed after the displacement  
and removal of P. -- E. B. Ryzhkov.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

Card 2/2

ORLOVSKAYA, D.

All-Union conference dedicated to the 100th anniversary of S.S.  
Korsakov's birth. Zhur. nerv. i psikh. 54 no.9:799-808 S '54.  
(PSYCHOLOGY, PATHOLOGICAL) (MLRA 7:9)

ORLOVSKAYA, D.D.

Functional reserves of the adrenal cortex in schizophrenia [with  
summary in French]. Zhur.nevr. i psikh. 57 no.5:556-564 '57.

(MLRA 10:8)

1. Institut psikhologii (dir. - dotsent D.D.Fedotov) Ministerstva  
zdoravookhraneniya SSSR, Moskva

(SCHIZOPHRENIA, physiology,

adrenal cortex, funct. reserve (Rus))

(ADRENAL CORTIX, in various diseases,

schizophrenia, cortical funct. reserve (Rus))

ORLOVSKAYA, D.D., Cand Med Sci -- (diss) "<sup>DATA</sup>~~Materials~~ ON THE  
~~from~~ study<sup>of</sup> the function of the suprarenal cortex  
in schizophrenics." Mos, 1958, 14 pp. (Second Mos State  
Med Inst im N.I. Pirogov) 200 copies (KL, 21-58, 93)

- 68 -



GALENKO, V.Ye.; ORLOVSKAYA, D.D.

Function of the cortical layer of the adrenals in schizophrenic patients with a resistance to insulin. Part 1: Amount of 17-ketosteroids in the urine in insulin-resistant patients. Vop. psikh. no. 3:113-118 '59. (MIRA 13:10)  
(SCHIZOPHRENIA) (INSULIN SHOCK THERAPY) (STEROIDS)  
(ADRENAL CORTEX)

SKVORTSOV, K.A.; GALENKO, V.Ye.; ORLOVSKAYA, D.D.; KEL'MISHKEYT, E.G.

Preliminary data on the use of new drugs in psychiatric practice.

Vop. psikh. no. 3:234-248 '59.

(MIRA 13:10)

(DRUGS) (PSYCHIATRY)

SHAPIRO, Yu.L.; MINSKER, E.I.; ORLOVSKAYA, D.D. (Moskva)

Dynamics of some indices of adrenal cortex function in prolonged complete starvation in man. Pat. fiziol. i eksp. terap. 7 no.3:70-71 My-Je'63 (MIRA 17:4)

1. Iz Instituta psikhiiatrii ( dir. - chlen-korrespondent AMN SSSR prof. A.V. Snezhnevskiy) AMN SSSR.

ORLOVSKAYA, D.D.; GASKIN, L.Z.; DAVYDOVA, I.B.; MINSKER, E.I.

Some characteristics of the biological (stress) action of blood serum from patients with various schizophrenia forms. Zhur. nevr. i psikh. 64 no.9:1396-1407 '64. (MIRA 17:12)

1. Laboratoriya obshchey patofiziologii (zaveduyushchiy M.Ye. Vartanyan) Instituta psikiatrii AMN SSSR, Moskva.

L 31097-66

ACC NR: AP6022782

SOURCE CODE: UR/0301/66/012/002/0150/0154

AUTHOR: Davydova, I. B.; Minsker, E. I.; Orlovskaya, D. D.

26  
B

ORG: Institute of Psychiatry, AMN SSSR, Moscow (Institut psikiatrii AMN SSSR)

TITLE: Effect of the blood serum of schizophrenic patients on the catecholamine content in the brain tissue of animals

SOURCE: Voprosy meditsinskoy khimii, v. 12, no. 2, 1966, 150-154

TOPIC TAGS: blood serum, rabbit, man, psychopathology, adrenal gland, biologic secretion, brain, medical experiment

ABSTRACT: The purpose of this work was to study the effect of the blood serum of patients with different forms of schizophrenia on the adrenaline and noradrenalin content in individual structures of the rabbit brain at various times after its administration.

The noradrenaline content in the hypothalamus of rabbits is increased after the administration of the blood serum obtained from patients with periodic forms of schizophrenia and from patients with exacerbation of the paranoic form; the blood serum of healthy people and serum of patients with nuclear forms of schizophrenia do not raise the noradrenalin content.

Card 1/2

UDC: 616.831-008.944.53-02:616.895.8-018.5

0912 0759

L 31097-66

ACC NR: AP6022782

An increase in the adrenalin content in the hypothalamus of rabbits was observed after administering the blood serum not only of schizophrenic patients but also of healthy people.

A statistically significant increase in the noradrenalin content in the hypothalamus of rabbits was observed only after studying the brains of the animals 2-3 hours after the introduction of blood serum; within 24 hours the increase either was statistically insignificant or could not be observed.

No statistically significant changes in the catecholamines could be observed in other structures of the brain after the administration of the blood serum obtained from schizophrenic patients or from healthy people. Orig. art. has: 4 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 01Sep64 / ORIG REF: 005 / OTH REF: 006

Card 2/2 *QJ*

L 10218-66 EWI(d)/FSS-2 RB

ACC NR: AP5028464

SOURCE CODE: UR/0286/65/000/020/0030/0030

AUTHORS: Rahevskiy, V. V.; Kop'yev, V. Ya.; Korenberg, Ye. B.; Orlovskaya, E. D.

ORG: none

44,55

44,55

44,55

63  
B

44,55

TITLE: A method for angular-traverse radio communications in branching underground mining excavations. Class 21, No. 175536 [announced by Moscow Institute of Electronics and Mining Electromechanics (Moskovskiy institut radioelektroniki i gornoj elektromekhaniki)]

44,55

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 30

TOPIC TAGS: microwave communication, radio relay, centimeter wave, electromagnetic energy

44,55

ABSTRACT: This Author Certificate presents a method for angular-traverse radio communications in branching underground mining excavations. It employs the channeling properties of the excavations. To increase the range of radio communications, electromagnetic energy of the centimeter range is radiated at small glancing angles at the places where the traverses bend. This results in

Card 1/2

UDC: 621.396.4

L 10218-66

AOC NR: AP5028464

plane passive radio relays.

SUB CODE: 17

SUBM DATE: 12Jan64

Card 2/2



**ORLOVSKAYA, B.P.**

Dispensary service is a basic form of prophylactic work in lowering morbidity among medical workers. Sov.sdrav. 17 no.11:23-27 #58 (MIRA 11:10)

1. Predsedatel' Cherkasskogo obkoma profsoyusa meditsinskikh rabotnikov.

(OCCUPATIONAL DISEASES, prevention and control, in med. personnel (Rus))

ORLOVSKAYA, E.P.

Change in conditioned reflex motor reactions under the influence  
of high-frequency noise. Vrach. delo no.5:120-122 My '61.  
(MIRA 14:9)

1. Kiyevskiy institut gigiyeny truda i professional'nykh zabolevaniy.  
(NOISE) (CONDITIONED RESPONSE)

ORLOVSKAYA, E.P., aspirant

Changes in muscular work capacity of workers exposed to noise.  
Gig. i san. 26 no.4:21-24 Ap '61. (MIRA 15:5)

1. Iz Kiyevskogo nauchno-issledovatel'skogo instituta gigiyeny truda  
i professional'nykh zabolevaniy Ministerstva zdravookhraneniya USCR.  
(NOISE—PHYSIOLOGICAL EFFECT) (MUSCLE STRENGTH) (WORK)

I 12602-63

EWT(1)/BDS/ES(a)/ES(b)/ES(c)/ES(d) AFFTC Pb-4

A/DD-

ACCESSION NR: AP3001499

S/0240/63/000/005/0036/0040

AUTHOR: Orlovskaya, E. P. (Junior Scientific Worker)

60  
59

TITLE: Effect of high frequency noise of different intensity levels on workers

SOURCE: Gigiyena i sanitariya, no. 5, 1963, 36-40

TOPIC TAGS: high frequency noise, silencing devices

ABSTRACT: Earlier investigations conducted in a soundproof chamber indicated that high frequency noise of 80 db with maximum energy in the range of 1250-2500 cps produces unfavorable effects in the body. The need for more detailed data under actual working conditions prompted this study. The cutting and the stamping departments of the Kiev Machine Building Plant were selected for investigation. The noise level for the cutting department was 80 db and for the stamping department was 70 db. A comparative study was made of the workers in both departments who were 23 to 26 yrs old, in good health, and who had normal hearing. Some of the workers in the 80 db group were equipped with silencing devices. Acoustic-motor reaction, pulse, aural sensitivity, and body temperature were used as indices. Fig.

Card 1/2

L 12602-69

ACCESSION NR: AP3001499

2 shows changes in the indices for those exposed to 80 db and Fig. 3 shows changes for those in the 80 db group equipped with silencing devices. At the end of the day those working under 80 db were found to have an increased latent period of acoustic motor reaction, lowered muscular efficiency, and a higher aural sensitivity threshold (2048 to 4096 cps. Muscular efficiency and acoustic motor reaction are not restored to their initial level after the working day for at least an hour, but aural sensitivity is restored within 30 min. At the end of the working day the indices for the group exposed to 70 db varied within the range of initial values. This is also true for those exposed to 80 db who wore silencing devices. It is recommended that the existing maximum level of high frequency industrial noise within the 500-2500 cps range be reduced from 80 db to 70 db. Orig. art. has: 3 figs.

ASSOCIATION: Kiyevskiy nauchno-issledovatel'skiy institut gigeny truda i profsabolevaniy (Kiev Scientific Research Institute of Labor, Health, and Occupational Diseases)

SUBMITTED: 12Apr62

DATE ACQ: 12Jun63

ENCL: 00

Card 2/2

SUB CODE: IE

NO REF SOV: 005

OTHER: 000

ORLOVSKAYA, E.R.

Materials on Jurassic flora of the Maykyuben' coal basin. Mat. po  
ist. fauny i flory Kazakh. 2:117-142 '58. (MIRA 11:7)  
(Maykyuben' region--Paleobotany, Stratigraphic)

ORLOVSKAYA, E.R.

Finds of upper Triassic flora in the Ketmen Range. Vest.  
AN Kazakh.SSR 16 no.6:82-83 Je '60. (MIRA 13:7)  
(Ketmen Range--Paleobotany, Stratigraphic)

ORLOVSKAYA, E.R.

Fern flora of Mesozoic deposits in eastern Kazakhstan. Mat.  
po ist. fauny i flory Kazakh. 3:128-162 '61. (MIRA 14:7)  
(Alma-Ata Province--Ferns, Fossil)  
(Pavlodar Province--Ferns, Fossil)



MAKAROV, I.A.; GIBBONIAI, . . .

Holotypes preserved in the paleontological collection of the  
Natural Museum of the Institute of Geology of the Academy of  
Sciences of the USSR. In *Alb.-Ita. Nat. Hist.*  
for ny i flory Kasakh. 3:116-117 '61. (1961, 14: )  
(Alb.-Ita.-Natur. Histor. Mus. )  
(Paleontology)

ORLOVSKAYA, E.R.

Occurrence of Pseudotorellia and Eretmophyllum in the Jurassic  
deposits of Kazakhstan. Bot. zhur. 47 no.10:1437-1445  
0 '62. (MIRA 15:12)

1. Institut zoologii AN Kazakhskoy SSR, Alma-Ata.  
(Kazakhstan—Ginkgoales, Fossil)

ORLOVSKAYA, E.R.

New Jurassic fern from Baykomur. Mat. po ist. fauny i flore Fauny .  
4:223-228 '63. (MIRA 16:9)  
(Baykomur region—Ferns, Fossil)

ORLOVSKAYA, E.R.

Holotypes preserved in the paleobiological collection of the  
Natural History Museum of the Institute of Zoology of the Academy  
of Sciences of the Kazakh S.S.R. in Alma-Ata. Mat. po ist. fauny i  
flory Kazakh. 4:258-259 '63. (MIRA 16:9)  
(Kazakhstan--Paleobiology)

BANTYSHEV, Ya. (Luganskaya obl.); ZHOKHOV, V. (Baku); KURYNDIN, G.  
(Dnepropetrovsk); ORLOVSKAYA, G. (Dnepropetrovsk)

Proposals of efficiency promoters. Pozh. delo 9 no.6:30  
Je '63. (MIRA 16:8)

ROZEN, V.B.; MYAGKAYA, G.L.; FASSOKHINA, I.I.; ORLOVSKAYA, G.V.;  
TUSTANOVSKIY, A.A.; UNDRITSOV, M.I. (Moskva)

Role of cortisone in changes of the reactivity of the body  
in experimental modeled rheumatism. Pat. fizicl. i eksp. terap.  
7 no.6:17-20 N-D '63. (MIRA 17:7)

1. Iz Nauchno-issledovatel'skogo instituta revmatizma (direktor -  
deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) AMN SSSR.

ORLOVSKAYA, G.V.

34220. Vuzrastnyye Morfologicheskiye Osobennosti Kozhi litsa. (Annotatsiya  
kand. Dissertatsii) Byulleten' In-ta Tuberkuleza Akad. Med. Nauk  
SSSR, 1949, No. 2, c. 57-58

SO: Nizhnaya Letonis' No 6, 1955

2A

11E

Development of and the age changes in the fibrous structures of the connective tissue of the skin of the face. G. V. Orlovskaya (Central Dermatol.-Venereol. Inst., Moscow). *Zh. Vost. Med.* 11, No. 6, 61-6 (1949).—The connective tissue foundation of the facial skin is laid down in the fetus in the form of argyrophilic threads which begin to collagenise at 3 months, beginning in the deeper layers. In grown specimens the argyrophilic tissue forms a membrane at the interface of connective tissue with epithelium and endothelium. The upper skin layers of people older than 25-30 years develop changes of collagen, manifested by sepn. of collagen bundles and partial, local decollagenation. The increase of d. of elastic structures in facial skin appears to be an adaptation to the conditions of increased functional activity of the skin with age both in the mech sense and in the sense of exposure to weather.

G. M. Kosolarnoff



ORLOVSKAYA, G. V. and ZAYDES, A. L.

"Formation of Fibrous Structures in Connective Tissues," Arkhiv. Patol., 14,  
No.1, 1952

Lab. of Pulmonary Pathology, Inst. Normal Pathol. Morphology, AMS SSSR  
Lab. Physical Chemistry, Central Sci. Res. Inst. Leather Shoe Industry

TUSTANOVSKIY, A.A. (Moscow); ORLOVSKAYA, G.V. (Moscow); ORNKHOVICH, V.N., chlen-korrespondent Akademii meditsinskikh nauk SSSR, direktor.

Specificity of argyrophil protein structures of connective tissue. Arkh. pat. 15 no.3:32-41 My-Je '53. (MLRA 6:11)

1. Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR. 2. Laboratoriya chlena-korrespondenta Akademii meditsinskikh nauk SSSR A.I.Strukova (for Tustanovskiy and Orlovskaya).  
(Connective tissues) (Proteins)

ORLOVSKAYA, G.V.

Conference of morphologists at the Academy of Medical Sciences of the  
U.S.S.R. Arkh.pat. 15 no.3:83-84 My-Je '53. (MLBA 6:11)  
(Morphology--Congresses)

ORLOVSKAYA, G.V.

(3)

Chemical basis for the method of argyrophilic staining. G. V. Orlovskaya and A. A. Tustanovskij (Inst. Biol. and Med. Chem., Acad. Med. Sci. U.S.S.R., Moscow). *Arch. Patol.* 16, No. 1, 13-22(1954); *ibid.* 15, No. 3(1953). — The chemistry of the argyrophilic staining is discussed. The main reaction center is the SH group content of the proteins. The reaction sequence which is probable in this staining method appears to be the reaction of  $\text{CH}_2\text{O}$  with the SH and SS links of protein to yield  $\text{SCH}_2\text{OH}$  groups, which with  $\text{KMnO}_4$  yield proteins with SH,  $\text{S}_2$ , and  $\text{SO}_2$  groups. These groups with  $\text{AgNO}_3$  yield  $\text{SAg}\cdot\text{AgNO}_2$  and  $\text{SO}_2\text{Ag}$  groups, which, in turn, reacting with basic  $\text{Ag}\cdot(\text{NH}_4)_2\text{OH}$ , yield protein with  $\text{SAg}\cdot\text{Ag}_2\text{O}$  groups, which, with  $\text{CH}_2\text{O}$  and  $\text{HCO}_2\text{H}$  treatment, yield metallic Ag and proteins with  $\text{SO}_2\text{H}$  residues. The formal denaturation of tissues leads into the reaction only a part of the total SH and  $\text{S}_2$  groups. Addnl. denaturation by means of urea enhances the natural argyrophilic nature of argyrophilic proteins by "mobilization" of the concealed or latent SH and  $\text{S}_2$  groups. G. M. Kosolapoff

ORLOVSKAYA, G.V., kandidat meditsinskikh nauk

In the Committee on Morphology of the Academy of Medical Sciences  
of the U.S.S.R. Arkh.pat. 16 no.2:72-80 Ap-Je '54. (MLRA 7:5)  
(MORPHOLOGY)

ORLOVSKAYA, G. V. and TUSTANOVSKII, A. A. *Arkhiv Patologii*

936. Orlovskaya, G. V. and Tustanovskii, A. A. 16,13-22, Jan.-March, 1954  
The Chemical Basis of the Silver Impregnation Method.

The successive chemical changes involved in the silver impregnation method of Bielschowsky and Foot are discussed, and it is suggested that they depend largely on the SH- and S-S groupings of cysteine and cystine. The denaturation of protein with formalin results in the incomplete participation of these groupings in the reaction, while additional denaturation with urea intensifies the native argyrophilia by the mobilization of some of the "masked" SH- and S-S groupings.

L. Crome

SO: Abstracts of World Medicine AWM Vol. 16 No. 4

ORLOVSKAYA, G. V.

USSR/Medicine

Biochemistry

Card : 1/1

Authors : Tustanovskiy, A. A., Zaydes, A. L., Orlovskaya, G. V., and Mikhaylov, A. N.

Title : New data on the structure of collagen

Periodical : Dokl. AN SSSR, 97, Ed. 1, 121 - 124, July 1954

Abstract : New data regarding the structure of collagen (an albuminoid, main supportive protein of skin, tendon, bone, cartilage and connective tissue), are presented. Collagen should be considered as a multi-phase system with collastromatin and procollagen as basic components. Twelve references: 10 USSR, 1 USA and 1 German. Tables, illustrations.

Institution : Acad. of Med. Sc. USSR. Central Scient-Research Inst. of Leather Industry and Inst. of Experimental Pathology and Cancer Therapy

Presented by : Academician, P. A. Rebinder, January 26, 1954

OBLOVSKAYA, G. V.

The role of nonalbumin components in the formation of the procollagen structure. A. I. Zales, A. A. Tuzanovskii, and G. V. Oblovskaya. *Doklady Akad. Nauk S.S.S.R.* 194, 263-4 (1968). The effects of lipids and polysaccharides on the striated structure of collagen were studied. Electron-microscope and x-ray methods under small incidence angles showed that the observed striation is not caused by an interweaving or other arrangement of polypeptide chains, but by specific interaction of albumin with polysaccharides. The relatively easy separation of most of the polysaccharides from the albumin shows that they combine by bonds weaker than covalent, possibly by H or electrostatic bonds. Lipids do not cause formation of the electron-microscope procollagen structure. X-rays under large incidence angles do not reveal the complexes formed by combination of procollagen with polysaccharide, but only the actual albumin structure. W. M. Starobin.



USSR/Morphology of Man and Animals. The Skeleton.

S-3

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 21738

Author : Orlovskaya, G.V., Tustanovskiy, A.A., Faydes, A.A.  
Inst : Not Given

Title : New Data on the Structure of Collagen and the Problem of  
Pathologic and Repair Process in Connective Tissue.

Orig Pub : V sb.: Tr. Vses. konferentsii patologoanatomov. M., Medgiz,  
1956, 356-360

Abstract : No abstract

Card : 1/1

ORLOVSKAYA, G.V.(Moskva)

Correlation between fibrous structures of the connective tissue  
according to new data on collagen. Arkh. pat. 18 no.1:68-74 '56.  
(MLRA 9:6)

1. Iz laboratorii, rukovodimoy chlenom-korrespondentom AMN SSSR  
prof. A.I. Strukovym.  
(COLLAGEN, anatomy and histology.  
(Rus))

**ORLOVSKAYA, G.V. (Moskva)**

Fibrinoid modification of the connective tissues; review of the  
literature. Arkh.pat. 18 no.6:18-28 '56. (MLBA 9:12)

(CONNECTIVE TISSUE--DISEASES)

ORLOVSKAYA, G.V.; ZAYDES, A.L.; TYSTANOVSKIY, A.A.

Microscopic and submicroscopic structure of collagen fasciculi of the tendons. Arkh.anat.gist.i embr. 33 no.3:19-25 J1-S '56. (MIRA 12:11)

1. Iz laboratorii chl - korr. AMN SSSR A.I.Strukova, Tsentral'nogo nauchno-issledovatel'skogo instituta kozhevennoy promyshlennosti i Instituta patologii i terapii raka AMN SSSR. Adres avtorovi Moskva, B.Pirogovskaya, per. Abrikosova, kafedra patol. anatomii Pervogo Moskovskogo ordena Lenina meditsinskogo instituta.

(TENDONS, anatomy and histology, collagen fasciculi, microscopic & submicroscopic structure (Rus))

(COLLAGEN, microscopic & submicroscopic structure of collagen fasciculi of tendons (Rus))

*ORLOVSKAYA G.V.*

USSR / General Biology. Physical and Chemical Biology

B-1

Abs Jour : Ref Zhur - Biol., No 2, 1968, No 4731

Author : Orlovskaya, G.V., Zaides, A.L., Tustanovskiy, A.A.

Inst : Not given

Title : Formation of Collagen in Embryogenesis.

Orig Pub : Dokl. AN SSSR, 1966, 111, No 6, 1396-1399

Abstract : The integument of fetuses was studied at 5 - 13 weeks (pigs and cows) by methods of histochemistry, electron microscopy and X-ray structural analysis. Collagen fibers (collastromine) consisting of mucopolysaccharides and proteins are found in thread form. The subsequent combining of procollagen causes formation of definite collagen.

Card : 1/1

ORLOVSKAYA, G.V. (Moskva)

Changes in cardiac connective tissue in true rheumatism [with  
summary in English]. Arkh.pat. 20 no.10:48-59 '58 (MIRA 11:12)

1. Iz laboratorii, rukovodimoy chlenom-korrespondentom ANH SSSR  
prof. A.I. Strukovym.

(RHEUMATIC FEVER, pathol.  
cardiac connective tissue (Rus))

ORLOVSKAYA, Galina Viktorovna (State Scientific Research Institute of  
Rheumatism <sup>of</sup> Min Health RSFSR), ~~Ph.D.~~ for Doctor of Medical Sciences  
on ~~the~~ basis of ~~the~~ dissertation defended 29 Sep~~r~~, 1959 in ~~the~~ Council  
of ~~the~~ Department <sup>of</sup> for Medical and Biological Sciences <sup>of</sup> ~~at~~ the Academy of  
Medical Sciences USSR, entitled: "Fibrous Structures of ~~the~~ Connective <sup>ve</sup>  
Tissue in ~~the~~ Normal and Pathological State". (BIVISSO USSR, 2-61, 20)  
~~the~~

95  
20

ZAYDES, A.L.; TUSTANOVSKIY, A.A.; ORLOVSKAYA, G.V.; PAVLIKHINA, L.V.

Relation of reticulin to proteins of the collagen group. Biofizika,  
4 no.3:284-288 '59. (MIRA 12:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut kozhevenno-obuvnoy  
promyshlennosti, Moskva. Personal'naya gruppa chlena-korrespondenta  
A.I. Strukova pri AMN, Moskva.

(RETICULIN,  
relation to proteins of collagen group (Rus))

(COLLAGEN,  
relation of reticulin to proteins of collagen group (Rus))



CHLOVSKAYA, G.V.; TUSTANOVSKIY, A.A.; ZAYDES, A.L. (Moskva)

Amorphous components of reticuloid fibers and their role in  
histochemical reactions. Arkh.pat. 21 no.7:23-32 '99.

(CONNECTIVE TISSUE chemistry)

(MIRA 13:5)

ORLOVSKAYA S.V.

reports to be submitted to the  
1st Intl. Congress of Histo-  
chemistry and Cytochemistry,  
Paris, France, 28 Aug-3 Sep '66.

- EMANENKO, V. I. - "The nucleic acids of the nerve cell's nucleus and cytoplasm"
- EMANENKO, V. I., VINOGRADOV, V. V. and SHENKOVICH, M. I. - "Histochemistry of extracellular connective tissue in pathological conditions"
- EMANENKO, V. I. - "Some aspects of carbohydrate metabolism of the transitional epithelium"
- EMANENKO, V. I. - "The studies on the cell nucleoproteins with the aid of phase-contrast method"
- GLAZOV, V. A., MENDEL, M. E., SHENKOVICH, M. I., SHENKOVICH, V. I., and ORLOVSKAYA, S. V. - "The electron microscopy as a new field of histochemistry"
- FIKALOVA, N. N. - "Histochemical characteristics of diaphanous polymers"
- BRADY, I. B. - "The determination of sulfhydryl groups of proteins by means of the inhibitor indicator (5-mercaptoimidazole acid) method"
- MILKOV, E. I. - "Cytological and autoradiographic analysis of the role of nucleic acids in the synthesis of cellular proteins"
- ORLOVSKAYA, S. V. - "The evolution of the protein-tissue in the composition of cardiac connective tissue in the course of rheumatic process"
- POLOVINA, A. L. - "Histochemical contribution to the study of the metabolism of the nervous system"
- FURTSHEVA, V. V. - "Some problems concerning the chemical activity of the nervous system"
- (A summary of this report has been announced by the organizers of the Congress and is included in Group I)
- Aspects of histochemistry and the nervous system (this is a proposed report of which the exact title has not yet known. It is listed by general subject matter under Group III)
- ORLOVSKAYA, S. V. - "Histochemistry in experimental cancer chemotherapy"
- ORLOVSKAYA, S. V. - "Comparative histochemistry of various directions in their function"
- SHENKOVICH, M. I. - "The histochemistry of fibrous connective tissue in the processes of fibroblast functional importance" and "Structure, cells and their cytophysical peculiarities of nerve tissue"
- SHENKOVICH, M. I. - "Biological organization of connective tissue in the light of recent pathological studies"
- SHENKOVICH, M. I. - "A comparative physical and chemical characteristic of procollagen and collagen"
- VASILYEV, V. I. - "Histochemical studies of the development of connective tissue in rats"
- EMANENKO, V. I. - "Protein and nucleic composition of connective tissue"
- EMANENKO, V. I. and PEFYUSHEVA, K. A. - "On the role of cell nucleus and its fractions in protein biosynthesis measured by the incorporation of labeled amino acids"

TUSTANOVSKIY, A.A.; ZAIDES, A.L.; BANGA, Ilona, a biologiai tud.doktora;  
ORLOVSKAYA, G.V.

Comparative data of metacollagen and collastromine. Biol orv kozl  
MTA 11 no.4:457-465 '60. (EEAI 10:5)

1. Moszkvai Reumatizmus Intezet, Moszkvai Kospontj Borkutato  
Intezet, Budapesti Orvostudomanyi Egyetem I. Korbonctani es  
Kiserleti Rakkutato Intezet.  
(COLLAGEN)  
(COLLASTROMIN)

BANGA, Ilona; ZAIDES, A.L.; TUSZTANOVSKY, A.A.; ORLOVSKAIA, G.V.

Change of the submicroscopic structure of collagen under the effect  
of collagenucoproteinase. Biol orv kosl MTA 11 no.4:467-476 '60.

(EKAI 10:5)

I. I. Korbontani es Kiserleti Rakkutato Intezet, Orvostudomanyi  
Egyetem, Budapest, Kosponi Borkutato Intezet Moszkva, es  
Reumakutato Intezet, Moszkva.

(COLLAGEN)

(COLLAGEN NUCCPROTEINASE)

ORLOVSKAYA, G.V. (Moskva, Leningradskiy prospekt, 75a, kv. 16)

Current data on differences between fibrillar structures known  
as "argyrophil fibers." Arkh. anat. gist. i embr. 39 no.104-113  
Ag '60. (MIRA 13411)

1. Laboratoriya AMN SSSR, rukovodimaya chlenom-korrespondentom  
AMN SSSR A.I. Strukovym.  
(CONNECTIVE TISSUE) (RETICULIN)

ORLOVA, G. M., WAKABA, G. M., TRITUNOV, A. A., BILAL, A. L.

"Embryogenetic Development of Collagen."

Report presented at the 5th Int'l. Biochemistry Congress,  
Moscow, 10-16 Aug 1961.

KAPLANSKIY, A.S.; ORLOVSKAYA, G.V., prof.; TUSTANOVSKIY, A.A., prof.

Pathomorphological changes in the heart of rabbits during immunisation with homologous tissues in conjunction with killed streptococcus. Vop.revm. 1 no.2:3-9 Ap-Je '61.

(MIRA 16:4)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta revmatizma (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) Ministerstva zdravookhraneniya RSFSR.

(HEART--DISEASES) (STREPTOCOCCUS)

TUSTANOVSKIY, A.A.; ZAYDES, A.L.; ORLOVSKAYA, G.V.; MYAGKAYA, G.L.

Development of collagen components in embryogenesis. Dokl.AN SSSR  
138 no.4:962-965 Je '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy institut revmatizma Ministerstva  
zdravookhraneniya RSFSR i Tsentral'nyy nauchno-issledovatel'skiy  
institut koshevennoy promyshlennosti. Predstavleno akademikom  
A.I.Oparinym.

(~~COLLAGEN~~) (EMBRYOLOGY)



ORLOVSKAYA, G.V., doktor med. nauk (Moskva)

Review of Gy. Kiszely's book "Practical microtechnique and  
biochemistry." Arkh. pat 25 no.7:89-91 '63 (MIRA 16:12)

ZAYDES, A.L.; TUSTANOVSKIY, A.A. MYZHKAYA, G.I.; ORLOVSKAYA, G.I.

Formation of collagen structures during embryogeny. Embryology  
9 no.4:441-450 '64. MIP

1. Tsentral'nyy nauchno-issledovatel'skiy institut  
shuvnoy promyshlennosti, Lenina 1 Nauchno-issledovatel'skiy  
institut revmatizma SSSR, Moskva.

LVIZHAY ... DSKAYA, ... med. ...  
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... .. ( ... )

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ORLOVSKAYA, I.S.

[The world around us; stories of nature] Mir vokrug nas; poznavatel'-nye rasskazy o prirode. Moskva, Detgiz, 1956. 366 p. (MIRA 10:11)  
(Natural history--Juvenile literature)

SHAPIRO, D.K., [Shapira, D.K.], kand.biolog.nauk; GALAMSHOK, M.M. [Halamshtok, M.M.]; ORLOVSKAYA, K.I. [Arlovskaya, K.I.]; SERZHANTOVA, P.A. [Serzhantova, P.A.]

Qualitative characteristics and technological value of new  
White Russian cherry varieties. Vestsi AN BSSR.Ser.bial.nav.  
no.2:25-29 '59. (MIRA 12:9)

(WHITE RUSSIA--CHERRY--VARIETIES)

SHAPIRO, D.K.; GOLOMSHTOK, M.M.; ORLOVSKAYA, K.I.

Chemical and technological characteristics of plum varieties in White  
Russia. Kons.i ov.prom. 15 no.5:25-28 My '60. (MIRA 13:9)

1. Belorusskiy nauchno-issledovatel'skiy institut plodovodstva,  
ovoshchevodstva i kartofelya.  
(White Russia--Plums--Varieties)

SHAPIRO, D.K.; COLOMSHTOK, M.M.; ORLOVSKAYA, K.I.

Chemical and technological evaluation of the new White Russian  
strawberry varieties. Kons.i ov.prom. 15 no.7:28-30  
J1 '60. (MIRA 13:6)

1. Belorusskiy nauchno-issledovatel'skiy institut plodovodstva,  
ovoshohevodstva i kartofelya.  
(White Russia--Strawberry--Varieties)

ORLOVSKAYA, K. I., SHAPIRO, D. K., and COLOMBETON, M. M. (USSR)

"The Biochemical and Technicological Indices of New Kinds of Fruits  
and Their Dependence on the Conditions of Cultivation (read by title)."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961



SHAPIRO, D.K.; GOLOMSHTOK, M.M.; ORLOVSKAYA, K.I.

Chemical and technological evaluation of the new varieties of  
black currants and gooseberries. *Kons. i ov. prom.* 16 no.11:32-  
35 N '61. (MIRA 14:11)

1. Belorusskiy nauchno-issledovatel'skiy institut plodovodstva,  
ovoshchevodstva i kartofelya.  
(Currants--Varieties)  
(Gooseberries--Varieties)

PORTNOY, L.M., ORLOVSKAYA, L.A.

X-ray observations on the dynamics of changes in pulmonary lymphogranulomatosis during chemotherapy. Vop. onk. 11 no. 7:82-88 '65. (MIRA 18:9)

1. Iz Rostovskogo-na-Donu gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii, radiologii i onkologii (dir.- kand. med. nauk A.K. Pankov).

54700

25058  
S/080/60/033/010/007/029  
D206/D306

AUTHORS: Savitskaya, Ya.S., and Orlovskaya, L.D.

TITLE: Preparation of thin films of yttrium oxide by an electrophoresis method

PERIODICAL: Zhurnal prikladnoy khimii, v. 33, no. 10, 1960, 2222 - 2225

TEXT: The present study was made in order to recommend certain conditions for electrophoretic precipitation of thin films (80 - 100  $\mu$ ) of yttrium oxide  $Y_2O_3$  from its alcoholic suspension. First the best medium in which to carry out the precipitation had to be decided. Methanol, ethanol, n-butanol, isopropanol and acetone were tried and as a result ethanol redistilled and absolute, was found to be the best medium. The raw material,  $Y_2O_3$ , was first ground in a ball-mill for from 42 to 50 hours. Particle size/time curves are shown giving the content of the fractions (%), and the particle size ( $\mu$ ). The content of  $Y_2O_3$  in the suspension was maintained at  
Card 1/4

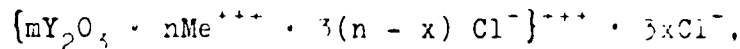
25058

S/080/60/035/010/007/023

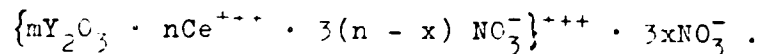
D206/D306

Preparation of thin films ...

15 % for all experiments. Fig. 2 shows the electrical lay-out and the bath for electrophoresis. 1) Bath with anode and cathode; 2) Mechanism for supporting the object to be coated; 3) Fast starter for the droplet disperser; 4) Motors for stirring and the droplet disperser; 5) Voltage stabilizer; 6) Voltage regulator LATR-1; 7) Distributor. Counteracting ions are those of chlorine, and micelles containing these can be represented by the formula:



where Me is essentially a rare-earth metal. The formation of micelles from washed  $Y_2O_3$  is only effected by absorption of ions on the latter. The formula of the micelle of the suspension of washed  $Y_2O_3$  may be represented:



Excess of the added electrolyte lowers the quality of the coating

Card 2/4

25058

S/080/60/033/010/007/029

D216/D306

Preparation of thin films ...

as well as the adhesion to the basic metal. It is concluded that  
1) The study of the aggregate stability of various limiting suspen-  
sions of  $Y_2O_3$  led to the choice of ethanol as a dispersion medium.

A 1 % solution of  $Ce(NO_3)_3$  in ethanol served as an activating elec-  
trolyte. The  $Y_2O_3$  content in the suspension was maintained at 15 %.

2) The relationship between the quantity of electrolyte added, the  
 $\xi$ -potential, the voltage on the electrodes and the density of the  
layer of  $Y_2O_3$  was studied. Graphs were constructed based on these  
data and from them suitable conditions could be selected which  
would give layers of different density. 3) The voltage range which  
gave the best quality coatings was 40 to 50 V. There are 8 figures.

SUBMITTED: January 14, 1959

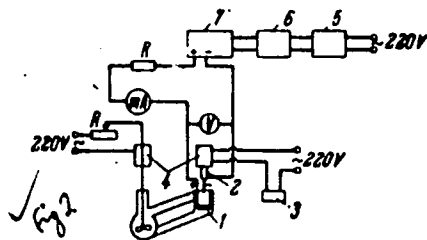
Card 3/4

25058

S/080/60/033/010/007/029  
D216/D306

Preparation of thin films ...

Fig. 2.



Card 4/4

ORLOVSKAYA, N A

34430

S/185/61/006/006/007/030  
D299/D304

24.3500

AUTHORS: Holub, S.Y., and Orlovs'ka, N.O.

TITLE: Dependence of luminescence brightness of silver halides on excitation intensity

PERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 6, no. 6, 1961.  
158 - 160

TEXT: An experimental study is described of luminescence effects in AgCl single crystals. This is important, as the luminescence mechanism in silver halides has not been sufficiently studied. The experimental apparatus incorporated the photomultiplier ФЭУ-18 (FEU-18) and the two light-filters УФ-2 (UFS-2) and ЖЗС-9 (ZhZS-9). The apparatus was very suitable for the purpose set -- the study of the later stages of luminescence; it permitted recording the brightness of luminescence 15 seconds after excitation has started and to continue the measurements at the same rate. The experimental results are shown in a figure. This shows that the main glows occur after the first minute of excitation; after that, saturation is reached.

Card 1/3

Dependence of luminescence ...

S/185/61/006/006/007/030  
D299/D304

ched very soon if the excitation intensity is low, whereas in the case of high excitation-intensity, the first 10 to 20 minutes following the rapid increase in intensity during the first minute, are characterized by a slow increase in luminescence intensity, without complete saturation. This is proof of the quenching effect of the exciting light. If the excitation is stopped for a minute and then resumed, the previous level of luminescence is attained almost immediately (in less than 5 seconds). This leads to the conclusion that the trapping centers for electrons and holes in AgCl, remain filled for a long time after excitation ceased. Although the results obtained by the authors agree with those of D.A. Wiegand (Ref. 3: Phys. Rev. 113, 52, 1959) and of R. Meyer (Ref. 4: Zw. wissenschaftl. Photogr., 53, 141, 1959), the conclusion reached by R. Meyer, as to the absence of deep trapping levels in silver halides, is premature. Further, the dependence is plotted of the brightness of luminescence I on the intensity of excitation, E. Six different specimens of AgCl single crystals were investigated, and the measurements were repeated several times. These experiments confirmed D.A. Wiegand's results that at liquid-air temperature, no temperature quen-

IX

Card 2/3



20843

9.4160 (also 1137, 1395)

S/048/61/025/003/032/047  
B104/B202

AUTHORS: Golub, S. I. and Orlovskaya, N. A.  
TITLE: Effect of gases on the formation of luminescence centers in silver halides  
PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 3, 1961, 388-390

TEXT: This paper was presented at the 9th conference on luminescence (crystal phosphors), Kiyev, June 20 to 25, 1960. Like most of the alkali halides also AgCl sublimates must be subject to heat treatment to develop full intensity of their luminescence. Annealing in vacuum increases the luminescence of the blue bands by 2 to 3 times. Annealing on air does not cause higher intensities of luminescence than annealing in the vacuum. Annealing in pure oxygen (pressure 2 - 3 mm Hg) proved to be more efficient than annealing on air. This is explained by the fact that oxygen renders the diffusion of the activator in phosphor more easy. Annealing in chlorine vapor (at 20 atm) weakens or destroys luminescence. This is explained by the penetration of chlorine into the structure and the de-

Card 1/3

20843

S/048/61/025/003/032/047

B104/B202

Effect of gases on the formation...

struction of the centers of the blue luminescence bands. The centers of the red luminescence bands are formed by colloidal silver particles on the phosphor surface. Annealing on the one hand increases the number of these centers which is explained by the increase in concentration of the stoichiometric silver excess, on the other, however, the number of centers is reduced by the resorption of the colloidal particles beginning at 300°C. The results obtained by the authors demonstrate that annealing in the vacuum increases red luminescence due to the formation of new centers. Annealing in oxygen reduces the luminescence of the red bands by the fact that oxygen favors resorption of the colloidal silver particles. Furthermore, the oxidation of silver leads to a further weakening of luminescence. Annealing on air increases the luminescence of the red bands. This is explained by the formation of new centers under a rather low resorbing effect of atmospheric oxygen. Annealing at 400°C destroys the luminescence of the red bands in air as well as in oxygen. Annealing in chlorine vapor increases the luminescence of the red bands which is explained by the fact that the chlorine which had been diffused in renders the diffusion of silver atoms more difficult. There are 1 figure and 4 Soviet-bloc references.

Card 2/3

KOTKOVA, K.I.; ORLOVSKAYA, N.N. [Orlovs'ka, N.M.]; YENEVICH, T.F. [IENEVYCH, T.F.], studentka

Photosensitized oxidation of the amino acids of egg albumin and changes in the macrostructure of its molecule. Ukr. biokhim. zhur. 33 no.1:3-13 '61. (MIRA 14:3)

1. Institut biokhimii Akademii nauk Ukrainiskoy SSR, g.Kiyev.  
(ALBUMIN) (OXIDATION, PHYSIOLOGICAL)  
(PHOTOCHEMISTRY)

ORLOVSKAYA, N.N. [Orlovs'ka, N.M.]

Synthesis of 3-phenyl-2-thiohydantoin derivatives of natural amino acids. Ukr. biokhim. zhur. 35 no.4:588-592 '63. (MIRA 17:11)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.

ORIOVSKAYA, N.N. [Orlovskaya, N.M.]; LOSEVA, A.I. [Loseva, A.I.]; BELITSER, V.A.  
[Belitsker, V.O.]

Modification of the Phenylisothiocyanate method for the determination  
of the N-terminal sequence of amino acids in proteins. Ukr. biokhim.  
zhur. 35 no.4:593-605 '63. (MIRA 17:11)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian  
S.S.R., Kiev.

ORLOVSKAYA, N.N.; BELITSER, V.A.

Study of the N-terminal amino acid sequence in serum albumins  
of various animals. Biokhimiia 29 no.4:741-748 J1-Ag '64.  
(MIRA 18:6)

1. Institut biokhimi AN UkrSSR, Kiyev.

UHH-30  
ACC NR: AP7001002 (AV) SOURCE CODE: UR/0439/65/044/011/1723/1726

AUTHOR: Oriovskaya, O. M.

ORG: State Museum of Natural History, L'vov (Gosudarstvennyy nauchno-prirodovedcheskiy muzey)

TITLE: Trombiculidae mites from western regions of Ukraine

SOURCE: Zoologicheskiy zhurnal, v. 44, no. 11, 1965, 1723-1726

TOPIC TAGS: mite, mite reproduction, disease vector, new mite species, mole, parasite

ABSTRACT: Seven species of disease-carrying parasitic mites known to parasitize rodents and insectivorous animals of western Ukraine are: *Euschongastia ulcerofaciens* (Daniel, 1957), *Euschongastia latyshevi* (Schluger, 1955), *Trombicula zachvatkini* (Schluger, 1948), *Trombicula talmiensis* (Schluger, 1955), *Trombicula autumnalis* (Shaw, 1790), *Trombicula dubinini* (Schluger, 1955), *Trombicula russica* (Audemans, 1902). It was established for the first time that *T. zachvatkini*, *T. talmiensis*, *T. dubinini* and *T. autumnalis* parasitize moles, whereas

Card 1/2

UDC: 595.425(477.8):592/599

ACC NR: AP7001002

Euschongastia latyshevi is a new species to Ukrainian fauna. Orig. art. has:  
1 table. [Based on author's abstract] [WA-50]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 009/

Card 2/2



SHERSTOBITOVA, M.; POLUEKTOV, N.; ANPILOGOVA, Yu.; YAKUSHINA, O.;  
ORLOVSKAYA, R.

More on veterinary control. Mias. ind. SSSR 29 no.2:20 '58.  
(MIRA 11:5)

1. Barnaul'skiy myasokombinat.  
(Meat inspection)

ORLOVSKAYA, S., inshener (g. Kiyev).

Using Donets Basin marls as concrete fillers. Stroi. mat. 3 no.5:14  
Ky '57. (MIRA 10:6)  
(Donets Basin--Marl) (Lightweight concrete)

L 32845-65 EWT(m)/EPP(c)/T/EWP(j) Pc-4/Pr-1 RM

ACCESSION NR: AP5007571

S/0020/65/160/005/1128/1130

AUTHOR: Malinskiy, Yu. M.; Orlovskaya, T. T.; Kargin, V. A. (Academician, AN SSSR)

TITLE: Effect of the thickness of polymer films on their structure

SOURCE: AN SSSR. Doklady, v. 160, no. 5, 1965, 1128-1130

TOPIC TAGS: polymer film, gutta percha film, film thickness, supramolecular structure, polymer melt

ABSTRACT: A study has been made of the effect of the thickness of polymer films prepared from melts on the formation of secondary structures. V-shaped films (thickness, tenths of 1  $\mu$  to 30-40  $\mu$ ) were prepared under constant compressive load between a flat glass plate and a plano-convex glass lens with a very large radius of curvature. The films were heat treated, then investigated under a microscope. Most experiments were conducted with gutta-percha. The results given in the form of micrographs and a plot (see Fig. 1 of the Enclosure) indicated that the size and shape of supramolecular structures formed depend on film thickness and melt temperature; as a rule, the size of spherulites increases with film thickness and melt temperature. The smaller size of spherulites in

22  
50  
5

Card 1/3

L-32845-65

ACCESSION NR: AP5007571

thin films is attributed to the decreased mobility of sheaves and chains near the surface of a solid body, owing to adsorption interaction and steric hindrance. Orig. art. has: 3 figures. [B0]

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute)

SUBMITTED: 21Oct64

ENCL: 01

SUB CODE: MT, OC

NO REF SOV: 004

OTHER: 001

ATD PRESS: 3205

L 32845-65

ACCESSION NR: AP5007571

ENCLOSURE: (1)

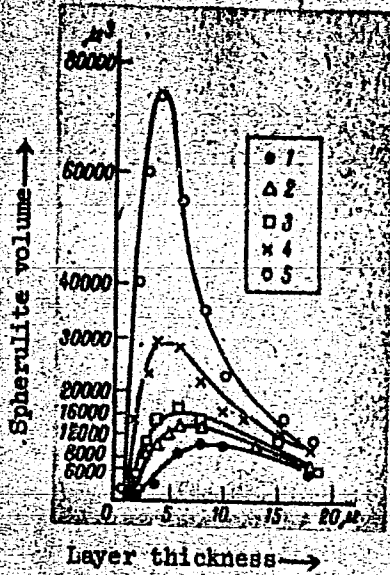


Fig. 1. Dependence of the volume of gutta-percha spherulites on the layer thickness for different initial melt temperatures

1 - 100C; 2 - 120C; 3 - 145C; 4 - 200C; 5 - 240C.

Card 3/3

ORLOVSKAYA, Ye.S.

Treatment of outpatients with cerebrovascular lesions accompanied by  
mental disorders. Trudy 1-go MMI 25:253-262 '63. (MIRA 17:12)

1. Kafedra psikhiatrii 1-go Moskovskogo ordena Lenina meditsinskogo  
instituta imeni I.M. Sechenova (sav. kafedroy prof. V.M. Banskchikov).

ORLOVSKAYA, Ye.S.

Importance of psychopharmacological therapy for outpatients with  
neuroses. Trudy 1-go MMI 25:473-481 '63. (MIRA 17:12)

1. Kafedra psikhiatrii 1-go Moskovskogo ordena Lenina meditsinskogo  
instituta imeni I.M.Sechenova (zav. kafedroy prof. V.M.Banshchikov).

*ORLOVA S*  
KOLMYKOVA, V.N.; ORLOVAKAYA, Ye.V.

Antigenic activity of organs of leukemic mice and its relation to the degree of leukemic infiltration. Vop.onk. 1 no.4:65-68 '55.  
(MIRA 10:1)

1. Institut eksperimental'noy patologii i terapii raka AMN SSSR.  
Adres avtorov: Moskva, 3-ya Meshchanskaya ul., d-61/2, korp.9.

(ANTIGENS AND ANTIBODIES,  
leukemia antigenic activity in mice)  
(LEUKEMIA, experimental,  
antigenic activity of organism in)



ORLOVSKAYA, Ye.V.

Method for examining marrow by puncturing the manibrium area of the sternum. Lab.delo 2 no.5:20-21 S-0 '56. (MIRA 9:11)

1. Iz Instituta eksperimental'noy patologii i terapii raka (dir. - professor N.N.Blokhin) Akademii meditsinskikh nauk, Moskva.  
(MARROW)

LOVCHIKOV, V.A.; ORLOVSKAYA, Ye.V.

Change in the filtration ability of the kidneys and the rate of  
urination with the use of chlortetracycline, terramycin and tetracycline.  
Eksp. i klin. issl. po antibiot. 2:158-162 '60. (MIRA 15:5)  
(KIDNEYS) (URINE—SECRETION) (ANTIBIOTICS)

ORLOVSKAYA, Ye.V., uchitel'nitsa

Operation for inserting fistula in the stomach of a hen. Biol. v.  
shkole no.2:39-41 Mr-Ap '61. (MIRA 14:3)

1. Shkola No. 209 g. Leningrada  
(FISTULA) (STOMACH—SURGERY) (BIRDS AS LABORATORY ANIMALS)

ORLOVSKAYA, Ye.V., uchitel'nitsa

Evening devoted to the topic "The way to strength and health."  
Biol.v shkole no.4:91-92 J1-Ag '62. (MIRA 15:12)

1. Srednyaya shkola No.209, Leningrad.  
(Health education)

ORLOVSKAYA, Ye.V., mladshiy nauchnyy sotrudnik

Possibilities of using viruses in controlling injurious  
insects. Zashch. rast. ot vred. i bol. 7 no.10:20-23 0 '62.  
(MIRA 16:6)

1. Vsesoyuznyy institut zashchity rasteniy.  
(Insects, Injurious and beneficial—Biological  
control)

(Viruses)

SHVETSOVA, O.I.; YEVLAKHOVA, A.A.; ORLOVSKAYA, Ye.V.

Insect diseases and their role in controlling forest pests. Ent.  
oboz. 42 no.1:5-10 '63. (MIRA 16:8)

1. Vsesoyuznyy institut zashchity rasteniy, Leningrad.  
(Insects--Diseases) (Forest insects--Biological control)

27239

S/148/61/000/003/010/015  
A161/A133

18.8100

**AUTHORS:** Myuller, N. N., Orlovskaya, Ye. Ye., Panchenko, Ye. V., Strug, Ye. M.  
**TITLE:** On the anomalous change of chromium properties at room temperature  
**PERIODICAL:** Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, no-  
3, 1961, 134 - 137

**TEXT:** The results are given of an experimental investigation with chromium of different degree of purity along with references to data of two English-language publications concerning analogous studies. A chart gives the content of impurities in a few of the studied chromium specimens, determined by spectral and gas analysis. The anomalous effect of volumetric changes in specimens with different impurity contents reached its maximum in the temperature range, of 20 - 46°C, and the observations confirmed the data of Fine, Greiner and Ellis (Ref. 1: J. Metals, 191, 56, 1951) in respect of the effect of impurities. Anomalous electric resistance behavior at different temperature points was also stated, as well as points of anomalous t.e.m.f. It is apparent that the anomalous electric resistance and t.e.m.f. variations are connected with a peculiar interaction of chromium electrons with the electrons of the impurity atoms and dislocations. The article includes three

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On the anomalous change of chromium properties at ...

graphs showing dilatometric curves of chromium smelted under different conditions, dependence of the electric resistance on temperature, and the dependence of t.e.m.f. on the temperature in chromium that had been melted in different ways. Conclusions: 1) Anomalous changes of chromium properties (contraction of volume, drop of electric resistance and of t.e.m.f.) has been revealed in the temperature range of 20 - 46°C; 2) The nature of the anomalous effect of property changes and the temperature point of anomaly are connected with the purity of chromium and the anomaly is the more pronounced the purer the chromium. There are 3 figures, 1 chart, and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The two references to English language publications read as follows: Fine, Greiner, Ellis. J. Metals, 191, 56, 1951; Pursey, J. Inst. Met., April 1958, p 362.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

SUBMITTED: August 31, 1960

Card 2/2



ORLOVSKIY, A.; IZMAYLOVA, L.; KOLYADA, I.; KOROVKIN, M.

Semitrailer with a hydraulic drive for the steering of  
wheels. Avt.transp. 40 no.3:33-34 Mr '62. (MIRA 15:2)  
(Truck trailers)

ORLOVSKIY, Aleksandr Danilovich; YURCHENKO, L.I., red.

[Mechanization of earthwork for construction in the Soviet  
Northeast] Mekhanizatsiia zemlianykh rabot v stroitel'stve  
na Severo-Vostoke SSSR. Magadan, Magadanskoe knizhnoe izd-  
vo, 1963. 93 p. (MIRA 17:6)

ORLOVSKIY, A.F. (Moskva); GLADILIN, K.L. (Moskva)

Unusual deoxyribonucleic acid in crabs. Priroda 54 no.8:118  
Ag '65. (MIRA 18:8)

ORICVSKIY, A.F.; GLADILIN, K.L.

Solving another mystery of protein synthesis; recent successes  
in the decyphering of the amino acid code. Priroda 54 no.9:  
67-69 S '65. (MIRA 18:9)

1. Moskovskoye otdeleniye Vsesoyuznogo biokhimicheskogo obshchestva.