

LUPANOVA, N.P.; KUDRYAVTSEV, V.T.

The formula of pumpellyite. Dokl. AN SSSR 141 no.6:1457-1460  
D '61. (MIRA 14:12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineral-  
ogii i geokhimii AN SSSR. (Pumpellyite)

LUPANOVA, N.P.; KUDRYAVTSEV, V.T.

Pumpellyite of the Northern Caucasus. *Izv. AN SSSR. Ser.geol.*  
27 no.6:23-33 Je '62. (MIRA 15:5)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,  
mineralogii i geokhimii AN SSSR, Moskva.  
(Caucasus, Northern--Pumpellyite)

LUPANOVA, N.P.; KUDRYAVTSEV, V.T.

Middle Paleozoic alkali porphyrites in the Laba basin (Northern  
Caucasus). Trudy IGEM no.77:115-129 '62. (MIRA 16:2)  
(Laba Valley—Porphyrites)

AFANAS'YEV, G.D.; LUPANOVA, N.P.; SVIRIDOV, V.V.

On the Devonian age of phyllitic slates of the Urup River Basin  
(Northern Caucasus). Dokl. AN SSSR 148 no.2:397-399 Ja '63.  
(MIRA 16:2)

1. Institut geologii rudnykh mestorozhdeniy petrografii, mineralogii i geokhimii AN SSSR. 2. Chlen-korrespondent AN SSSR (for Afanas'yev).  
(Urup Valley--Phyllite)

PLOSHKO, V.V.; LUPANOVA, N.P.

Migration of iron, magnesium, calcium, and some other elements in the granitization process of Lower Paleozoic greenstone rocks in the Little Laba basin. Trudy IGEM no.99:177-187 '63. (MIRA 16:9)  
(Laba Valley--Geochemistry)

LUPANOVA, O. K.

"Computation of Some Types of Plates Having Complex Shapes by the Nonplane Cross Section Method." Cand Tech Sci, Chair of the Resistance of Materials, Gor'kiy Polytechnic Inst imeni A. A. Zhdanov, Min Higher Education USSR, Gor'kiy, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

PHASE I BOOK EXPLOITATION

800

*Lupanova, O.K.*  
Verkhovskiy, Aleksandr Vasil'yevich; Andronov, Vladimir Pavlovich; Ionov, Vladimir Aleksandrovich; Lupanova, Ol'ga Konstantinovna; and Chevkinov, Viktor Ivanovich

Opredeleniye napryazheniy v opasnykh secheniyakh detaley slozhnoy formy; metod neploskikh secheniy (Determination of Stresses in Critical Sections of Members of Complex Forms; Method of Nonplane Sections) Moscow, Mashgiz, 1958. 146 p. 3,000 copies printed.

Reviewer: Vagapov, R.D., Candidate of Technical Sciences; Ed.: Preyss, A.K., Candidate of Technical Sciences; Ed. of Publishing House: Korableva, R.M., Engineer; Tech. Ed.: Model', B.I.; Managing Ed. for literature on general technical and transport machine building (Mashgiz): Ponomareva, K.A., Engineer.

PURPOSE: This book is intended for design engineers, scientific workers and students.

COVERAGE: The book contains a description of an approximate method of stress analysis in critical sections of complex components. The method is based

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Determination of Stresses in Critical Sections (Cont.) 800

on the nonplane (angular, cylindrical, spherical) section hypothesis. Analytical formulas are given for the determination of stress concentration factors for flat, rectangular, and circular bars of variable cross section subjected to tension, flexure and torsion. Results are presented of an experimental study of stress distribution in samples of variable sections having different dimension ratios. Illustrative examples of the analysis of bending and tension of a flat plate having symmetrical and asymmetrical cutouts and shoulders are given and examples of tension, torsion, and bending of a shaft with cutouts and shoulders are also presented. There are 29 references, of which 24 are Soviet, 3 are English and 2 are German.

TABLE OF CONTENTS:

The Problem of Determination of Stresses in Critical Sections of Complex Components 3

Preface 7

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LUPANOVA, O.K., kand.tekhn.nauk, dots.

Using the hypothesis of nonplane sections in studying plastic  
deformations. Trudy GPI 13 no.8:39-45 '58. (MIRA 13:2)  
(Deformations (Mechanics))

LUPANOVA, O.K., kand.tekhn.nauk, dots.

Strength analysis of broaches based on the hypothesis of  
nonplane sections. Trudy GPI 13 no.8:46-53 '58.  
(MIRA 13:2)

(Broaching machines)

S/124/63/000/003/027/065  
D234/D308

AUTHORS: Ionov, V. A., Lupanova, O. K. and Verkhovskiy, A. V.

TITLE: Calculation of stresses during bending in a rod with a ring-shaped groove and an axial hole

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1963, 8, abstract 3V43 (Tr. Gor'kovsk. politekhn. in-ta, 1961, v. 17, no. 3, 75-79)

TEXT: The authors determine the stresses during bending of a rod having the form of a body of revolution, as above. The solution is obtained using the hypothesis of non-plane sections for both shallow and deep grooves (see V. A. Ionov, Tr. Gor'kovsk. politekhn. in-ta, 1961, v. 17, no. 23, 63-74). Stress concentration coefficients obtained by the authors are compared with magnitudes obtained using Neuber's interpolation formula. 4 references. [Abstracter's note: Complete translation.]

Card 1/1

ABRAMOV, V.V., doktor tekhn.nauk; ASTROV, Ye.I., kand.tekhn.nauk;  
TIKHONOV, N.N., inzh.; RESHNIN, N.Ya., inzh.; LUPANOVA, O.K.,  
kand.tekhn.nauk

Rated method of constructing diagrams for the tension of  
bimetals. Trudy GPI 19 no. 1:23-32 '63. (MIRA 17:7)

VERKHOVSKIY, A.V., prof.; GLYAVIN, Yu.V., dots.; LUPANOVA, O.K., dots.; MOKEYEV, I.I., dots.; USPENSKAYA, A.N., dots.; PONOMAREV, M.G., dots.; CHARYSHNIKOV, K.A., st. prepod.; ARANOVICH, V.M., assistant; PLOTNIKOV, G.I., assistant; PELEVINA, T.I., red.

[Handbook for the solution of problems on the strength of materials] Posobie k resheniiu zadach po soprotivleniiu materialov. Volgo-Viatskoe knizhnoe izd-vo, 1965. 319 p. (MIRA 19:1)

1. Gorki. Politekhnichestkiy institut. 2. Kafedra "Soprotivleniye materialov" Gor'kovskogo politekhnichestskogo instituta (for all except Pelevina).

ABOMELIK, R.A., inzh.; LUPAR', A.I., inzh.; CHUDOTVORTSEV, V.M., inzh.

Use of piles in the construction of open 220 and 500 kv. power  
distribution units of the Bratsk Hydroelectric Power Station.  
Energ. stroi. no.41:54-63 '64. (MIRA 17:11)

Lupareva, T.F.  
LUPAREVA, T.F.

Dormancy and physicochemical properties of root and bud cells in  
red clover. Fiziol. rast. 5 no.1:75-77 Ja-Y '58. (MIRA 11:1)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.  
(Clover) (Dormancy (Plants)) (Plant cells and tissues)

SLOBODIN, V.M.; IVANYUK, Yu.I.; KUZOVLEV, P.M.; NAGAYEV, Yu.A.; LUPANOVA, T.P.;  
MESHCHANINOV, S.I.; BRYUKHOV, Yu.A.; SYCHEVA, F.A.; KOSYAKOV, P.O.,  
red.; ZANOVA, N.N., red.izd-va; TAMKOVA, N.F., tekhn.red.

[Distribution and specialization of agriculture in Chelyabinsk  
Province] Razmeshchenie i spetsializatsiia sel'skogo khoziaistva  
Cheliabinskoi oblasti. Sverdlovsk, AN SSSR, 1963. 204 p.  
(MIRA 16:12)

1. Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk. Otdel  
ekonomicheskikh issledovaniy.  
(Chelyabinsk Province--Agriculture--Economic aspects)



LUPAS, Laurentiu, student, Institutul Politehnic Bucuresti

Soma metric relations based on trigonometric identities. Gaz mat  
B 14:528-535 9 S '63.

LUPAS, O.

TECHNOLOGY

Periodicals: ELECTROTEHNICA. Vol. 6, no. 7, July 1958

LUPAS, O. Relationship between the minimum-fusion current and the fusible cutouts. p. 235.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2;  
February 1959, Unclass.

14,7600 (1043, 1160, 1164, 1137)

24800  
R/004/60/000/005/002/002  
D244/D306

AUTHOR: Lupas, Ovidiu, Engineer

TITLE: Experimental establishment of some electric parameters in Si and Ge semiconductors

PERIODICAL: Electrotehnica, no. 5, 155 - 159

TEXT: The article deals with measurements carried out by the ICET laboratory on the Hall effect and the resistivity of some Ge, n, and Si, n and p samples. The resistivity of the Ge, n samples at room temperature was  $15.1 \Omega\text{cm}$ , of the Si, n samples  $25.1 \Omega\text{cm}$ , and of the Si, p samples  $9.9 \Omega\text{cm}$ . The parallelepiped-shaped samples were cut and ground to the dimensions compiled in Table 1.

	a mm	b mm	d mm
Si n	12,7	2,27	3
Si p	12,2	2,8	1,79
Ge n	11	3,11	1,42

Table 1: Dimensions of the semiconductor samples

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Experimental establishment...

A Neumann-type permeameter with two yokes, designed and built by the ICET was used for producing the magnetic field. This device supplied magnetic fields up to 13,000 Oe. The test current was established by measuring the voltage drop on a standard resistance, whereas the Hall voltage and the voltage drop on the sample, and the standard resistance were measured by a PPTV-1 d-c compensator, also using a Hartman Brown mass galvanometer. With the Ge, n sample, measurements at the temperature of liquid nitrogen were also made. The experiments showed that for Si, n and Si, p, the values of 12,500 gauss obtained by the measurements, were located in the range of the weak field. In powerful fields, the variation of the resistance first increased linearly, tending then toward the saturation value. In Ge, n, at room temperature, the weak field condition was not satisfied, except in fields below 1,000 gauss. Above this value, a saturation of the Hall coefficient as well as a considerable deviation of the resistance increase from the parabolic shape was

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D244/D306

Experimental establishment...

obtained. At the temperature of liquid nitrogen, the condition of the weak field was no longer satisfied, except for values of the magnetic field below 1,000 gauss. The powerful field condition was satisfied above 5,000 gauss, the Hall coefficient attaining saturation value. The following values of the mobilities of the carriers in Ge and Si resulted from the value of the Hall coefficient of  $R_H$  weak field and from the electric conductivity:  $Si \ n\mu_n = R_H \cdot e = 1,305 \text{ sq cm/VS}$ ; -  $Si \ p\mu_p = 331 \text{ sq cm/VS}$ ;  $Ge \ n\mu_n = 3,050 \text{ sq cm/VS}$ , at room temperature;  $Ge \ n\mu_n = 18,850 \text{ sq cm/VS}$  at liquid nitrogen temperature. The variation of the Hall coefficient with the magnetic field includes the product  $\mu^2 H^2$ , magnetoresistive at  $\mu^2 H^2$ , whereas the criterion of the weak or powerful magnetic field is determined by the value of the  $\mu^2 H^2$  product. The Ge sample was shown to be more suitable in use as the Hall generator in measuring magnetic fields, since it has a more sensitive Hall coefficient than the silicon sample, the resistivity, however, being the same in both cases. There are 7 figures, 9 tables and 13 references: 5

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Experimental establishment...

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R/004/60/000/005/002/002

D244/D306

Soviet-bloc and 8 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: T.W. Grubbs, Hall-effect Devices. The Bell System Technical Journal 38, 1959, 3, 853 - 876; L.J. Van der Pauw, A Method of Measuring Specific Resistivity and Hall Effect of Discs of Arbitrary Shape. Phil. Res. Rep. 13, 1958, 1, 1 - 9; A. Swanson, Saturation Hall Constant of Semiconductors, Phys. Rev. 107, 1957, 672 - 677; and M.E. Conwell, Properties of Silicon and Germanium, Proc IRE, 46, 1958, 6, 1,281 - 1,299.

ASSOCIATION: ICET

SUBMITTED: March 7, 1960

Card 4/4

BUICAN, D.; URTILA, St.; IONESCU, Al.; LUPAS, V.

Contributions to the study of radicular nutrition of fall grain and double hybrid maize in respect to the hydric regime and applied fertilizers. Studii cerc biol veget 13 no.1:75-86 '61. (EEAI 10:9)

1. Comunicare prezentata de N. Salageanu, membru corespondent al Academiei RPR.

(Grain) (Corn(Maize)) (Hybridization, Vegetable)  
(Roots) (Hydrogen) (Fertilizers and manures)

LUPASCO, Gh.; SOLOMON, Paula; HACIG, Alice

Contribution to the study of experimental infection with  
*Trichinella spiralis*. Arch. Roum. path. exp. microbiol. 23  
no.4:869-876 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Service d'  
Helminthologie. Submitted January 11, 1964.



LUPASCO, Gh.; HACIG, Alice; SOLOMON, Paula; TINTAREANU, Justina

Research on the persistence of certain immunobiological reactions in *Trichinella spiralis* infections. Arch. Roum. path. exp. microbiol. 23 no.4:883-888 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Section d'Helminthologie. Submitted May 18, 1964.

LUPASCO, Gh.; SORESCO, Angela; PANAITESCO, D.; HACIG, Alice; SOLOMON, Paula

Research on the role of underground irrigation in the prevention of pollution of the soil of the irrigated crops with geckelminth eggs. Arch. Roum. path. exp. microbiol. 23 no.4:889-898 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Section d'Helminthologie. Submitted May 6, 1964.

LUPASCU, C. (Bucuresti)

Asia Minor Federation. Natura Geografie 15 no.4:72-75 J1-Ag '63.

LUPASCU, E., dr.; STERESCU, P., dr.; BANICA, A., dr.; STRULOVICI, D., dr.;  
ISBASOIU, D., dr.

Clinical aspects of acute poisoning by parathion. Med. intern. 15  
no.2:207-212 F '63.

1. Lucrare efectuata in Spitalul de boli contagioase "Prof. dr. V. Babes",  
Bucuresti.

(PARATHION)

LUPASCU, G., professor.

Medical microbiology in the Rumanian People's Republic. Pri-  
roda 43 no.8:84-87 Ag '54. (MLRA 7:8)

1. Direktor epidemiologicheskogo i mikrobiologicheskogo insti-  
tuta im. I.Kantakuzino.  
(Rumania--Microbiology) (Microbiology--Rumania)

EXCERPTA MEDICA Sec.6 Vol.11/3 Internal Med. Mar 57

LUPASCU Gh.

1432. LUPASCU Gh., MARINESCU G., RUSS M. and CIRNILESCU L. \*Studiu asupra recaderilor si recidivelor in scarlatina. Study on relapses and recurrences in scarlet fever VIATA MED. (Bucarest) 1956, 3/4 (56-66) Graphs 14

The study shows the progressive decrease of relapses according to the increased number of patients treated with penicillin, as well as the persistence of relapses in a lower proportion (9.3%) precisely in regard to patients treated with this antibiotic. The interpretation of these data emphasizes the importance of hospitalization regime upon whose efficiency both the prevention of relapses and of tardy complications depend. Reinfection plays a main role in the appearance of relapses as well as of late complications. The recurrences were more frequent during the first 4 yr. following the initial illness (more than 50%).

(XX, 7, 6)

CIUCA, M., Academician; SOLOMON, L.; CORNELSON, D.; UNGUREANU, E.;  
LUPASCU, Gh.; RADACOVICI, E.; DUPORE, M.; CORIJESCU, V.

Malaria in the Rumanian People's Republic, 1948-1953.  
Bul. stiint. sect. med. 8 no.1:227-264 Jan-Mar 56.

(MALARIA, epidemiol.  
in Rumania)

EXCERPTA MEDICA Sec. 17 Vol. 3/9 Public Health Sept. 57

2763. LUPAȘCU Gh., AGAVRILOAEI A., COSTIN P., ELIAS M., ZELIG M.,  
RADCOV G., FEODOROVICI St., GOLDBERGER E., SZABO M. and  
STÂNCULESCU-ROȘIU I. \*Contribuții la studiul febrei pappataci. Con-  
tribution to the study of pappataci fever BUL. STIIN. ACAD.  
R. P. R. SECT. MED. 1956, 8/1 (265-295) Graphs 6 Tables 5

An epidemic of pappataci fever was noted for the first time in the South-West sector of the plain of the Timisoara region in the summer of 1951, followed by a second epidemic outbreak in 1952. The incidence curve showed 2 peaks: the first in the 3rd week of July, and the second in the 2nd week of August. Both in 1951 and in 1952, there was a parallelism between the incidence of the disease and the numbers of



vector insects about. The low morbidity rate of 1951 corresponded to the lesser incidence of the phlebotome in that year, just as the higher incidence in 1952 corresponded to the greater abundance of the insects then. In 1951, all cases occurred in the country, whereas in 1952, 12.5% of the cases were in town dwellers. As a rule, the disease occurred in a mild form, not only in children but also in adults, the few more severe cases were only observed towards the end of the epidemic. The benign nature of the disease can be appreciated from the fact that most patients showed no or only a short postinfectious asthenia. The clinical picture includes fever, headache, weakness, conjunctival suffusion with blood, lumbar pain, pain in the limbs, retro-orbital pains and digestive signs (sores of the tongue, anorexia). During the febrile period, the adults always showed a lack of agreement between pulse and temperature; children did not show this phenomenon but usually presented tachycardia. Haematological examination revealed characteristic leucopenia from the first day of the disease. Restoration of the leucocyte count to normal has been observed from as early as the 8th day of the disease, but in other cases, the leucopenia persisted much longer (18 days or more). During the first 2 days of the disease, the blood formula showed neutrophilia with shift to the left, absolute or relative lymphocytopenia, increase of the number of mononuclear cells to 21.5% and decrease, or often absence of eosinophils. From the 3rd or 4th day of the disease, the neutrophil-lymphocyte ratio changes, lymphocytes increasing and neutrophils decreasing, while the mononuclear cells remain at values of 4.5 to 21.5%. After the febrile period, the eosinophils return in the peripheral circulation, normal values being attained on about the 5th day. At the same time, the number of mononuclear cells begins to decrease. The epidemic outbreaks have been due to spread of the insect vector from foci in the People's Republic of Yugoslavia. A sudden decrease of morbidity and suppression of the epidemic can be brought about by actions against the adult vector insect with prolonged-action insecticides (DDT and hexachlorocyclohexane).  
(XX, 6, 7, 17)

EXCERPTA MEDICA Sec.17 Vol.4/3 Public Health, etc. Mar58  
LUPASCU, G.

1024. THE PRESENCE IN THE ROUMANIAN PEOPLE'S REPUBLIC OF PHLEBOTOMUS PERFILEWI - Prezentă în Republica populară Română a speciei Phlebotomus perfilewi - Lupăscu G., Raport M., Cristescu A., Mănoiu C. and Raicu V. Inst. de Microbiol., Parazitol. și Epidemiol., Dr. I. 'Cantacuzino', București - STUD. CERC. INFRAMICROBIOL. MICROBIOL. PARASITOL. 1957, 8/1 (121-130) Tables 3  
The species appears to be a 'wild' one, frequently found in natural habitats (birds' nests, animals' lairs) far from human habitations. It must be considered as of no importance for human epidemiology.

EXCEPȚIA MEDICA Sec 17 Vol 5/10 Public Health Oct 59

2970. CONTRIBUTION TO THE STUDY OF THE INFECTION-RESERVOIR IN THE FOCUS OF LEISHMANIASIS IN THE REGION OF CRAIOVA -  
Contribuții la studiul rezervoarelor de infecție în focarul de leishmanioză din regiunea craiova - Lupascu Gh., Ciplea A. and Gherman I. -  
STUD. CERCET. INFRAMICROBIOL. 1957, 8/4 (637-651) illus. 2

The local vector, *Phlebotomus perfilievi*, was identified in 1955. The present investigation was extended to dogs, of whom 251 at Segarcea were examined by means of bone-marrow puncture. The presence of leishmania was demonstrated in 3 of them; further inoculation in hamsters showed intra- and extracellular leishmanian elements.

LUPASCU, Gh., prof.; SOMESCU, Angela, dr.; PANAITESCU, D., dr.; HACIG, Alice,  
biolog; SOLOMON, Paul, biolog.

Investigations of the role of underground irrigation in the pre-  
vention of the pollution, with geohelminth eggs, of the soil  
of the irrigated cultivated land. Microbiologia (Bucur.) 9 no.3:  
199-205 My-Je '64

1. Lucrare efectuata in Sectia de helmintologie din Institutul de  
microbiologie, parazitologie si epidemiologie "Dr. I. Cantacuzino",  
Bucuresti.

LUPASCU, G.E., Dr.; ISTODO, N., dr.; STEFANESCU, O., dr.

Practical value of slide agglutination tests in detection of heterophilic antibodies in human serum. Med. int., Bucur. 9 no.4:612-617 Apr 57.

1. Lucrare efectuata in Clinica de boli infectioase, prof. M. Voiculescu.

(HEMAGGLUTINATION

slide test for heterophilic antibodies in human blood)

(ANTIBODIES

heterophilic, detection by slide agglut. test, in human blood)

EXCERPTA MEDICA Sec 17 Vol 5/6 Public Health June 59

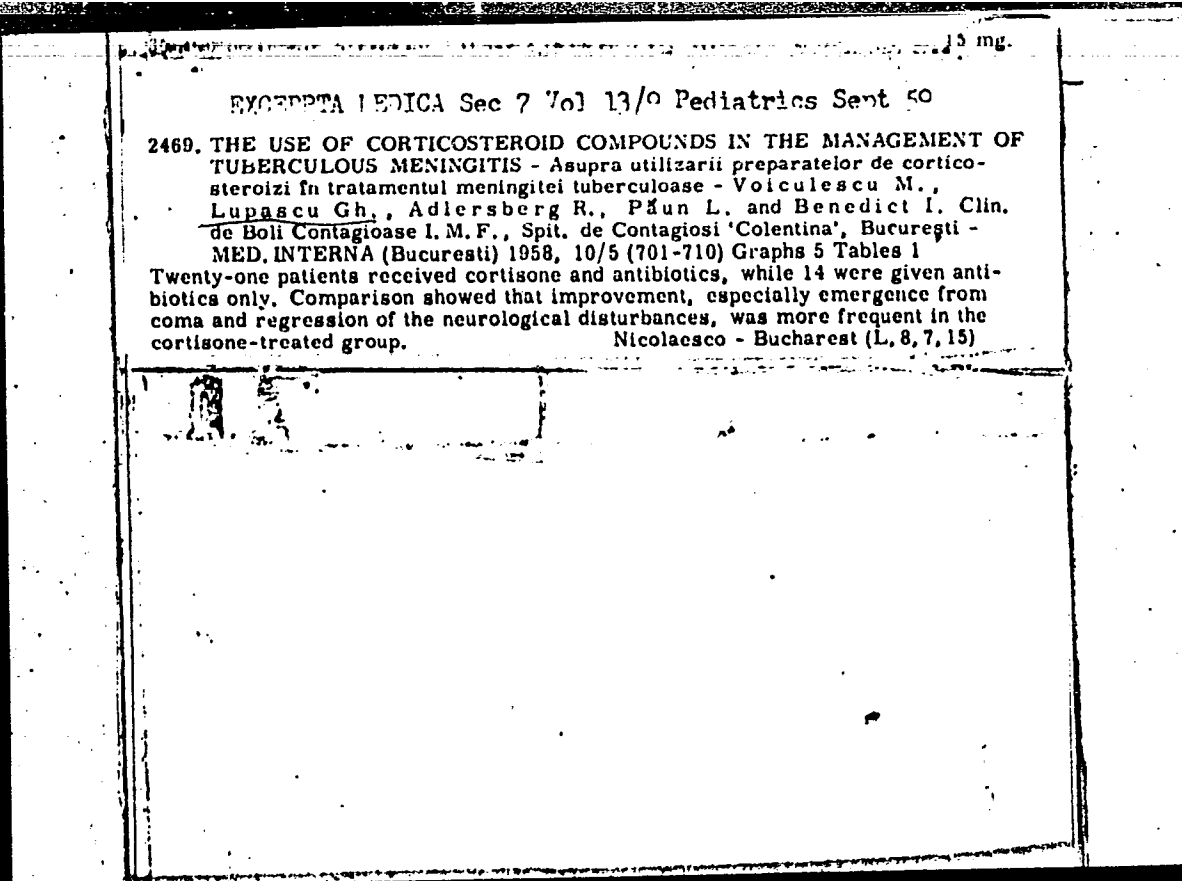
1522. CHEMOPROPHYLAXIS OF WHOOPING COUGH IN CLOSED UNITS FOR CHILDREN - Chimioprofilaxia tusei convulsive in unități închise de copii - Lupășcu G. E. and Olariu T. Clin. de Boli Contag. J. M. F., București - MICROBIOL. PARAZITOL. EPIDEMIOLOG. 1958, 3/2 (163-169) Tables 3

A study of chemoprophylaxis with chloramphenicol (chlorocid) in 104 susceptible children exposed to whooping cough, drawn from 8 closed child units resulted in the following conclusions: The antibiotic is most effective when administered prior to the 7-9th day following the infecting contact. In this series, a total dose of 150-200 mg. per kg. of body weight, given over 2 days, conferred 60-80% protection on susceptible contacts. Prophylactic action is far less marked when the antibiotic is given later, during the catarrhal period, or when the community is in its full epidemic phase, with a great number of secondary cases. Under such circumstances, even the administration of doses approximating those employed in the curative treatment of whooping cough results in low chemoprophylactic efficiency, only about 40% of the children being protected. (XVII, 50)

IUPASCU, Gh., Dr.; RADVAN, A. Dr.; RADULESCU, M. Dr.; ADLERSBERG, R., Dr.

Therapy of hepatic coma during epidemic hepatitis. Med. int., Bucur.  
10 no.3:413-418 Mar 58.

1. Lucrare efectuata in Clinica de boli contagioase I.M.F., Bucuresti.  
(HEPATITIS, INFECTIOUS, complications  
hepatic coma, ther.)  
(HEPATIC COMA  
in epidemic hepatitis, etiol. & ther.)





MURASCU, Gh. E.  
Surname (in caps); Given Names

Country: Rumania

Academic Degrees: Dr.

Affiliation: [not given]

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, No 3,  
May-Jun 61, pp 253-257.

Data: "Bacillary Dysentery Due to a Chloramphenicol-Resistant Strain."

Co-authors:

TOIDAN, L., Dr.

SRAGER, M., Dr.

[affiliations not given]

LUPASCU, G.

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation:

Source: Bucharest, Microbiologia, Parazitologie, Epidemiologie, Vol VI, No 5, Sep-Oct 1961, pp 439-454.

Data: "The Spread of Geohelminthiasis Through the Intermediary of Irrigated Plantations."

Authors:

LUPASCU, G., -Prof.- Department of Parazitology of F.P.S.M.F. J (Catedra de Parazitologie F.P.S.M.F.).

SORESCU, Angela, -Dr.- Department of Parazitology of F.P.S. M.F.

PANAITESCU, D., -Dr.-, Department of Parazitology of F.P.S.M.F.

ANGELESCU, C., -Dr.-, Central "Sanepid" of the Capital (Sanepidul Central al Capitalei).

HACIG, Alice, Helminthology Section of the "Dr. I. Cantacuzino" Institute (Sectia de Helmintologie a Institutului "Dr. I. Cantacuzino").

SOLOMON, Paula, Helminthology Section of the "Dr. I. Cantacuzino" Institute.

LUPASCO, Gh.; SOLOMON, Paula; HACIG, Alice; CIPLEA, Al. Gh.; CIUREA, C.;  
IANCO, Larissa.

Research on the role of the reticulo-endothelial system in immunity  
in experimental trichinosis. Arch. Roum. path. exp. microbiol. 20  
no.3:337-356 S '61.

1. Travail de l'Institut "Dr I. Cantacuzino" Laboratoires  
d'Helminthologie, Histopathologie et Chimie parasitaire.  
(RETICULOENDOTHELIAL SYSTEM physiology)  
(TRICHINOSIS experimental) (IMMUNITY)

LUPASCO, Gh.; DUPORT, Maria; SANDULESCO, Maria; CRISTESCO, Aurella;  
COMBIESCO, Ileana; SANDESCO, Ionella;

Sensitivity of adult Anopheles in Rumania to insecticides with residual effect. Arch. Roum. path. exp. microbiol. 20 no.3:441-460 S '61.

1. Travail effectuée dans l'Institut "Dr. I. Cantacuzino", sous la direction du Prof. M. Ciuca, faisant partie du programme des recherches coordonnées par l'OMS.  
(ANOPHELES pharmacology) (INSECTICIDES pharmacology)

ROMANIA

Prof. Gh. LUPASCU and Dr. D. PALATNESCU, Parasitology Section of the  
Institutul (Sectia de parazitologie, Institutul) "Dr. I. Cantacuzino"  
Bucharest.

"Human Hydatidosis in the Rumanian Peoples' Republic."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 7, no 6,  
Nov-Dec 1962; pp 481-487.

Abstract: Review of incidence data from the Rumanian and world literature.  
Between 1953 and 1960, there was an average of 994 cases of human  
echinococcosis reported in Rumania (5.6% per 100,000 population); range  
from high of 1,745 in 1953 to low of 836 in 1960. Data on localization,  
age and sex distribution vary considerably, but generally hepatic around  
50%, pulmonary around 25%; age 20 to 40 most frequently affected; males  
50 to 70%. During 1953-1956, 96 of 4,672 operated patients died; the  
4,672 had 70,170 days of hospitalization. Fourteen Western, 11 Rumanian,  
5 Soviet and 1 Bulgarian reference. 1 Table.

1/1

CIUCA, M., prof., akad.; LUPASCU, Gh., prof.; DUPORT, M., d-r;  
AGAVRILCAJEL, A., d-r; SMOLINSKI, M., d-r

Problems in malaria in the Rumanian People's Republic. Med.  
paraz. i paraz. bol. no.2:160-162 '62. (MIRA 15:7)

1. Chlen-korrespondent Rumynskoy akademii (for Lupascu).

(RUMANIA--MALARIA--PREVENTION)

ROMANIA

ILEA, T., Professor; ~~LEPASCU, Ch.~~, Professor; MAUREL, A., Professor;  
ARDMEAN, I., Professor; ~~CRACIUNESCU, I.~~, MD.

Bucharest, Liana, No 6, Nov-Dec 69, pp 131-137

"Health Protection of Workers on the Building Sites in the  
City of Bucharest."

(5)

2

ROMANIA

LUPASCU, Gh., Professor; PANAITESCU, D., MD; ANGELESCU, U., MD.

1. Institute of Microbiology, Parasitology, and Epidemiology "Dr. I. Cantacuzino" (Institutul de microbiologie, parazitologie si epidemiologie "Dr. I. Cantacuzino") - (for Lupascu and Panaitescu); 2. State Inspectorate of Hygiene and Labor Protection of the Capital (Inspectia de stat pentru igiena si protectia muncii a Capitalei) - (for Angelescu)

Bucharest, Igiena, No 6, Nov-Dec 63, pp 525-528

"Some Aspects of the Epidemiology and Prevention of Parasitic Diseases on Building Sites."



RUMANIA

Prof Gh. LUPASCU, Dr Aspasia BOSSIE-AGAVRILOAIE, Dr M. SMOLINSKI, Dr Eugenia NEGULICI-BALLIF, Dr Piereta CONSTANTINESCU, Biologist Tr. ISFAN, Dr D. PETREA, Dr V. MAZILU and Dr V. ROMAN; Institute "Dr. I. Cantacuzino," Laboratory of Malaria and Pathogenic Protozoa (Laboratorul de malarie si protozoare patogene) Center of Sanitation of Paludism (Centrul de impaludare terapeutica) "Berceni", Hospital (Spitalul) "Gh. Marinescu" and Malaria Stations (Statiile de malarie.)

"The Problem of Quartan Malaria and the Malaria Eradication Program."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 2, Mar-Apr 63; pp 99-112.

Abstract [English summary modified]: Quartan malaria seems especially difficult to eradicate due to spontaneous recurrence of ancient infection and cases where parasitemia is so slight as to be virtually undiagnosable, causing transmission via transfused blood. In 1949, 215 of 50,000 (0.4%) cases were quartan; 1960-1962, 71 of 134! Graph, 2 tables; 5 case reports; 11 Rumanian, 3 Soviet, 18 Western references.

1/1

RUMANIA

Prof Gh. LUPASCU, Dr Aspasia BOSSIE-AGAVRILOAEI, and biologist Maria ATANASIU of the Institute "Dr. I. Cantacuzino;" Conf. Valentina DAHOVICI and Dr M. BURNUZ, IMF Cluj; and Dr. M.I. ELIAS and Dr Margareta PUCA-CLUDIN, IMF Timisoara.

"Intradermal Toxoplasmin Test REsults in Various Groups of Population."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 2, Mar-Apr 63; pp 119-126.

Abstract [English summary modified]: Toxoplasmin antigen (supplied by Prof JIROVEC of Prague) intradermal test in 359 psychiatric patients: 22.8% positive; in 221 slaughterhouse workers, 18.1%; in 210 grammar school pupils, 1.4%; 40 mothers of congenitally malformed or aborted fetuses, 32.5%; in 20 patients with eye diseases of uncertain cause, 55%; in 19 healthy adults, 0%. Detailed breakdown of the first two groups listed. Three tables; 1 Czech, 1 Rumanian, 1 Soviet; 20 Western references.

1/1

RUMANIA

Prof Gh. LUPASCU, Member-Correspondent of Rumanian Academy (membru corespondent al Academiei RPR) Dr Aspasia BOSSIE-AGAVRILOAEI, and Dr M. DINCULESCU, Laboratory of Malaria and Pathogenic Protozoa (Laboratorul de malarie si protozoare patogene) Institute "Dr. I. Cantacuzino", Bucharest.

"Culture of Leishmania donovani in Chick Embryos."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 2, Mar-Apr 63; pp 139-144.

Abstract [English summary modified]: Comprehensive study of L. donovani in embryonated eggs revealed that 6 or 7-day embryos were most suitable, had to be kept at 27 or 28° centigrade; inoculation into yolk sac. Technical details about inoculum, methods. Two photomicrographs; 1 Soviet and 4 Western references.

1/1

RUMANIA

Prof Gh. LUPASCU, Corresponding member of the Rumanian Academy of Sciences (membru corespondent al Academiei RPR); Dr Angela SORESCU and DR D. PANAITESCU of the Helminthology Laboratory (Laboratorul de helmintologie) and Dr AL. Gh. CIPLEA of the Pathology Laboratory (Laboratorul de anatomie patologica) Institute "Dr. I. Cantacuzino," [Bucharest.]

"Experimental Studies Regarding Virulence and Pathogenicity of Domestic Strains of Entamoeba dysenteriae."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 2, Mar-Apr 63; pp 169-181.

Abstract [English summary modified]: Hamster and rat studies with 4 strains isolated from patients with amebiasis indicate that strains are just as virulent as foreign strains from countries where amebiasis is endemic. Two tables; photograph of hamster liver lesions; 8 photomicrographs; 1 Yugoslav, 3 Rumanian, 3 Soviet and 8 Western ref's.

1/1

LUPASCU, Gh., prof.; SORESCU, Angela, dr.; PANAITESCU, D., dr.

Variations of peripheral eosinophilia before and after Casoni's intradermoreaction in the diagnosis of human hydatidosis. Med. intern. 15 no.6:667-671 Je '63.

1. Lucrare efectuata in Institutul "Dr. I. Cantacuzino"  
(Sectia de helmintologie), Bucuresti.  
(ECHINOCOCCOSIS) (DIAGNOSIS) (SKIN TESTS)  
(EOSINOPHILIA)

LUPASCO, Gh.; BOSSIE-AGAVRILLOAIEI, Aspasia; ATANASIU, Maria;  
DAHNOVICI, Valentina; BURNUZ, M.; ELLAS, M.; PUCA, Margareta

Contribution to the study of human toxoplasmosis. Investigations made on different population groups with the toxoplasmin intradermoreaction. Arch. Roum. path. exp. microbiol. 22 no.1:159-166 Mr '63.

1. Institut "Dr. I. Cantacuzino" (for Lupasco, Bossie-Agavriloaiei, Atanasiu).
  2. Institut Medico-Pharmaceutique - Cluj (for Dahnovici, Burnuz).
  3. Institut Medico-Pharmaceutique - Timisoara (for Elias, Puca).
- (TOXOPLASMOSIS) (TOXOPLASMOSIS, OCULAR)  
(SKIN TESTS) (STATISTICS)  
(OCCUPATIONAL DISEASES)

LUPASCO, Gh.; BOSSIE-AGAVRILOAIEI, Aspasia; DINCOULESCO, M.

Contribution to the study of the culture of *Leishmania*  
*donovani* in chick embryos. Arch. Roum. path. exp. microbiol.  
22 no.1:167-172 Mr '63.

(LEISHMANIA) (TISSUE CULTURE)

LUPASCU, Gh., prof. univ.

Ion Cantacuzino, a man of science and a patriot. St si Teh  
Buc 15 no.11:26-27 N '63.

1. Membru corespondent al Academiei R.P.R.



LUPASCO, Gh.; SORESCO, Angela; PANAITESCO, D.; CIPLEA, Al. Gh.

Experimental research on the virulence and pathogenicity of indigenous E. dysenteriae strains. Arch. roum. path. exp. microbiol. 22 no.4:1003-1012 S-D'63

1. Travail de l'Institut "Dr. I. Cantacuzino". Service d'Helminthologie et Laboratoire d'Anatomie Pathologique.

LUPASCO, Gh.; DUPORT, Maria; COMBIESCO, Ileana; ATANASIU, Alexandra.

Sensitivity to DDT of the species *Musca domestica* L tested in different areas of Rumania. Arch. roum. path. exp. microbiol. 23 no.3:749-756 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service d'Entomologie, Bucarest.

LUPASCU, Gh., prof.; BOSSIE-AGAVRILLOAEI, Aspasia, dr.;  
DINCULESCU, M., dr.

Contribution to the study of the culture of *Leishmania donovani*  
in chick embryos. *Microbiologia* 8 no.2:139-144 Mr-Ap '63.

1. Lucrare efectuata in Laboratorul de malarie si protozoare  
patogene, Institutul "Dr. I. Cantacuzino", Bucuresti.
2. Membru corespondent al Academiei R.P.R. (for Lupascu).  
(LEISHMANIA) (TISSUE CULTURE)

LUPASCU, Gh., prof.; BOSSIE-AGAVRILLOAEI, Aspasia, dr.; ATANASIU,  
Maria, biolog.; DAHNOVICI, Valentina, conf.; BURNUZ, M., dr.;  
ELIAS, M.I., dr.; PUCA-CIUDIN, Margareta, dr.

Contribution to the study of human toxoplasmosis. Investigation  
of several different groups of the population with the toxo-  
plasmin intradermoreaction. Microbiologia 8 no.2:119-126  
Mr-Apr '63.

1. Institutul "Dr. I. Cantacuzino" Bucuresti (for Lupascu,  
Bossie-Agavriloeai, Atanasiu). 2. I.M.F. Cluj (for Dahnovici,  
Burnuz). 3. I.M.F. Timisoara (for Elias, Puca-Ciudin).  
(TOXOPLASMOSIS) (DIAGNOSIS)  
(SKIN TESTS) (EPIDEMIOLOGY)

LUPASCU, Gh., prof.; SORESCU, Angela, dr.; PANAITESCU, D., dr.;  
CIPLEA, Al.Gh., dr.

Experimental research on the virulence and pathogenicity of  
indigenous strains of Entamoeba dysenteriae. Microbiologia 8  
no.2:169-180 Mr-Ap '63.

1. Membru corespondent al Acad. R.P.R. (for Lupascu).
2. Laboratorul de helmintologie din Institutul "Dr. I. Cantacuzino" (for Sorescu, Panaitescu). 3. Laboratorul de anatomie patologica din Institutul "Dr. I. Cantacuzino" (for Ciplea).  
(AMEBIASIS) (ENTAMOEBIA)  
(LIVER ABSCESS, AMEBIC)

LUPASCU, Gh., prof.; BOSSIE-AGAVRILOAEI, Aspasia, dr.; SMOLINSKI, M.,  
dr.; NEGULICI-BALLIF, Eugenia, dr.; CONSTANTINESCU, Piereta, dr.;  
ISFAN, Tr., biolog.; PETREA, D., dr.; MAZILIU, V., dr.; ROMAN, V.,  
dr.

The problem of quartan malaria and malaria eradication programs.  
Microbiologia 8 no.2:99-112 Mr-Ap '63.

1. Lucrare efectuata in Institutul "Dr.I.Cantacuzino" Laboratorul  
de malarie si protozoare patogene si Central de impaludare terapeutica  
"Berceni", Spitalul "Gh.Marinescu", in colaborare cu Statile de  
malarie.

LUPASCU, Gh., prof.; SORESCU, Aneta, dr.; FANATISCU, D., dr.

The role of the principal factors of environment in the epidemiology of some helminth infections. (Ascariasis and trichocephaliasis).  
Microbiologia (Bucur.) 9 no.3:183-187 Ny-Je '64

1. Membru corespondent al Academiei Republicii Populare Romane (for Lupascu). Lucrare efectuată în Secția de parazitologie a Institutului de microbiologie, parazitologie și epidemiologie "Dr. I. Cantacuzino", București.

LUPASCU, Gh., prof.; HAGIG, Alice, biolog; SOLOMON, Paula, biolog.

Efficiency of some methods of immunobiological diagnosis in  
Trichinella spiralis infections. Microbiologia (Bucur.) 9  
no.3:231-234 My-Je '64

1. Lucrare efectuata in Sectia de helmintologie din Institutul  
de microbiologie, parazitologie si epidemiologie "Dr. I. Cantacuzino",  
Bucuresti. Membru corespondent al Academiei Republicii Populare  
Romane (for Lupascu).



LUPASCU, Gh., prof.; CADARIU, Gn., prof.; BOSSIC-AGAVRILGAM, Aspasia;  
COSTIN, P., dr.; HUSCHITT, M., dr.; BOZDOC, I., dr.; MISSITS, Gh.,  
dr. [deceased]; POPOVICI, T., DR.; HAIVAS, Maria, dr.; BEROS, V.,  
dr.

Eradication of an old focus of ancylostomiasis. Microbiologia  
(Bucur.) 9 no.3:225-230 My-Je '64

1. Lucrare efectuata in Institutul de igiena din Timisoara,  
Statiunea de malarie-helminologie din Timisoara si Centrul  
antihelminic din Anina.

IUPASCU, Gh. Prof., membru corespondent al Academiei R.P.R.;  
PANAITESCU, D., dr., candidat in stiinte medicale

Importance of hydatidosis as a major zoonosis in the Rumanian  
People's Republic. Aspects of laboratory diagnosis and fundamental  
principles of prevention and control. Microbiologia (Bucur.) 10  
no.3:195-202 My-Je '65.

LUPASCU, Gh.E., dr.; ROZEMBERG, L., dr.; BANICA, A., dr.; DUNAREANU, H., dr.;  
RADULESCU, M., dr.

Considerations on several current aspects of *Pseudomonas aeruginosa*  
infections. *Microbiologia (Bucur.)* 10 no.4:343-347 J1-Ag '65.

1. Lucrare efectuata in Spitalul de boli contagioase "Prof. dr.  
Victor Babes", Bucuresti.

LUPASCU, Gh., prof.; HACIG, Alice, biolog; TINTAREANU, Justina, dr.;  
SOLOMON, Paula, biolog; SMOLINSKI, M., dr.

Diagnostic methods in trichinellosis. Value of immunobiological  
diagnosis in the study of apparent foci in the Rumanian People's  
Republic. Microbiologia (Bucur.) 10 no.3:233-244. My-Je '65.

LUPASCO, Gh.; HAGIC, Alice; SOLOMON, Paula; IANCO, Larissa

Research on the constitution and specificity of *Trichinella spiralis* antigens. Arch. Roum. path. exp. microbiol. 23 no.4: 877-882 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Section d'Helminthologie et Laboratoire de Chimie Parasitologique. Submitted May 18, 1964.

LUPASCO, Gh.; CIPLEA, Al.Gh.; BOSSIE-AGAVRILOAEI, Aspasia; BCNA, C.

Contribution to the study of the chondriome changes in experimental infection of the golden hamster (*Cricetus auratus*) with *L. donovani*. Pt.1. Arch. Roum. path. exp. microbiol. 23 no.4:977-984 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Service du Paludisme et des Protozoaires Pathogenes. Submitted June 26, 1964.

PUBLIC HEALTH

RUMANIA

616-002.951.21-084

LUPASCU, Gh., Prof, TINTAREANU, Justina, Dr, SOLOMON, Paula, Biologist, SMOLINSKI, M., Dr, POPA, I., Dr, and COSTIN, Maria. Work performed at the "Dr I. Cantacuzino" Institute of Microbiology, Parasitology and Epidemiology (Institutul de Microbiologie, Parazitologie si Epidemiologie "Dr I. Canatcuzino"), Bucharest.

"Aspects Concerning the Organization of a Campaign Against Teniasis (Taenia solium)."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 3, May-Jun 66, pp 257-263.

Abstract [Authors' English summary modified]: The authors describe a campaign against teniasis in a town where several cases of Taenia solium had been identified. The campaign involved simultaneous application of three approaches: effective treatment of carriers; determination of the extent of infestation; sanitary precautions and sanitary-hygienic education of the entire population.

Includes 4 tables and 6 references, of which one Rumanian and 5 Western.-- Manuscript submitted 2 August 1965.

1/1

L 45252-66 T JK  
ACC NR: AP6033589

SOURCE CODE: RU/0023/65/010/004/0343/0347

AUTHOR: Lupascu, Gh. E.--Lupashku, G. Ye. (Doctor); Rozemberg, L.-(Doctor);  
Banica, A.--Banike, A. (Doctor); Dunareanu, H.--Duneryanu, Kh. (Doctor);  
Radulescu, M.--Redulesku, M. (Doctor)

24  
B

ORG: "Prof. Dr. Victor Babes" Hospital for Contagious Diseases, Bucharest (Spitalul de boli contagioase "Prof. Dr. Victor Babes")

TITLE: Observations on current aspects of infections with pseudomonas aeruginosa [This paper was presented at the Symposium of Pediatrics at Region "Tudo Vladimirescu" Bucharest.]

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 10, no. 4, 1965, 343-347

TOPIC TAGS: bacteria, antibiotic, infective disease, bacteriology

ABSTRACT: The authors summarize the main aspects of B. pyocyanic infections occurring under pathologic suprainfection conditions, with a view to their classification. Special emphasis is placed on the effect of the introduction of antibiotics on the equilibrium of microbial flora, and on the need for a sustained control of organism reactivity. [Based on authors' Eng. abst.] [JPRS: 32,913]

6

SUB CODE: 06 / SUBM DATE: 16Jun65 / OTH REF: 009

Card 1/1 *llh*

UDG: 616-022.711.32-053.3



## EXCERPTA MEDICA Sec.8 Vol.11/5 Neuro-Psychiat.May 58

LUPASCU, I.

2353. THE TREATMENT OF TUBERCULOUS MENINGITIS. RESULTS, PROGNOSIS - Tratatamentul meningitei tuberculoase. Rezultate, prognostic. Date privind 519 meningite la copii pînă la 8 ani - Lupascu I. and Bunge-teanu M. - VIATA MED. (Bucuresti) 1957, 4/1 (57-71) Tables 10

Between 1951 and 1955, 519 cases were observed among children whose maximum age was 8 yr.: 180 were treated before the discovery of isoniazid (INH); of the 339 cases treated with INH and streptomycin, 23 had relapses. Scheme of treatment: INH daily for 6-8 months, 5-15 mg./kg., in 2 doses at 12-hour intervals; i.m. streptomycin daily for 2-3 months, 0.2 g. for small children and 0.5 g. for the older ones; intrathecally 0.1 to 0.3 mg. of streptomycin for 21 days, INH in 2.5% solution, 5 to 20 mg. Results: of 180 cases treated only with streptomycin, favourable evolution 39 cases (22%); unfavourable evolution 141 cases (78%). Of 316 cases treated with INH-streptomycin, 230 cases showed favourable development (72.8%), unfavourable development 86 cases (27.2%). The great majority of the unfavourable cases (66.28%) came within the course of the first 14 days following hospitalization. After the introduction of INH, exacerbations, blockages, relapses, and sequels were more rare. The majority of relapses were observed in the course of the first 6 months after cessation of treatment. As concerns sequels (30 cases), were noted hemipareses, facial pareses, strabismus, encephalitic disorders, amauroses (6 cases). Concerning prognosis, a patient living after the first 30 days of hospitalization has more than 90% chance of survival, but the prognosis concerning sequels must be reserved. A definite relation exists between the time of the beginning of treatment and subsequent favourable evolution. Cases treated before the 10th day, 4 to 5.7% deaths; cases treated after the first 20 days, 56.9% deaths. In the country, where diagnosis is made later than in the city, unfavourable prognosis is accentuated (30.92% as against 13.43%). The age of the children plays a role only in relation to the date of the beginning of treatment; if this last is made after the 10th day, the prognosis is bad. The combination of meningitis with severe pulmonary tb aggravates the prognosis (44.45% in miliary tb; 71.43% in the caseous forms). (L, 8, 7, 15)

LUPASKU

Rumania/Pharmacology. Toxicology. Antitubercular Drugs U-8

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33102

Author : Lupasku I.

Inst : Not given

Title : Prophylaxis and Therapy of Tuberculosis in  
Young Children with Antibiotics.

Orig Pub : Viata med., 1957, 4, No 6, 22-35

Abstract : No abstract.

Card 1/1

EXCERPTA MEDICA Sec.6 Vol.12/5 Pediatrics May 1958

LUPASCU I.

1368. TUBERCULOSIS OF THE SUCKLING DURING THE FIRST 3 MONTHS OF LIFE - Tuberculoza sugarului in primele 3 luni de viață - Lupașcu I. and Bungețianu M. Inst. de Ftiziol., București - FTIZIOL. (București) 1957, 6/3 (229-238) Tables 1

Presentation of case reports referring to 27 infants infected, diagnosed and treated before the age of 3 months. The source of the infection was the mother in 17 cases, the father in 4 cases, an uncle in 2 cases and neighbours in another 2 cases. The form of the tb: 12 benign forms (simple adenopathies, primary complexes, adenopathies with segmental condensations), 15 grave forms (granules, meningitis, primary cavity, caseous bronchopneumonia). Three children isolated from the sick mother immediately after delivery presented a congenital infection. Treatment: isoniazid and streptomycin were administered for at least 6 months. Favourable course in 15 cases, unfavourable course in 9 cases and slight improvement in 3 cases. Of the 21 children infected by their parents, 11 did well and 8 succumbed. The caseification is the worst element in the prognosis; 5 out of the 6 cases with caseification succumbed. Of the 9 deaths, 5 occurred in the first 14 days with grave lesions in all the organs and in 4 cases, in which death was due to the late diagnosis, it occurred within 60 to 230 days. The late deaths were caused by severe dystrophy, hepatic or cardiac degeneration and by sequelae of the tb infection.

Basacopol - Bucharest (XV, 7)

LUPASCU, I.

Tuberculous meningitis during tuberculostatic therapy for  
various forms of primary tuberculosis. Rumanian M. Rev. 3  
no.3:67 JI-S '59.  
(TUBERCULOSIS PULMONARY, complications)  
(TUBERCULOSIS, MENINGEAL)

SURDAN, C.; TOMESCU, V.; DOHOTARU, V.; POPA, M.; IFTIMOVICI, R.; MOLDOVANU, G.;  
URACHE, O.; LUPASCU, L., asistent tehnic

On the presence and persistence of aphthous virus in the body of  
experimentally infected cattle. Studii cerc inframicrobiol Special  
issue-supplement to 12:399-428 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R., Laboratorul  
de viroze animale si Institutul de seruri si vacinuri Pasteur,  
Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari  
de inframicrobiologie" (for Tomescu).

(FOOT-AND-MOUTH DISEASE) (VIRUSES)

S/137/62/000/002/114/1  
A060/A101

AUTHORS: Branîşte, C., Şerban, S., Lupaşcu, P.

TITLE: Behavior of steel subjected to parkerizing

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 96, abstract 2I655  
("Studii si cercetari ştiinţ. Acad. RPR Fil. Iaşi Chim.", 1960,  
11, no. 1, 43 - 51, Rumanian; Russian, French summaries)

TEXT: It is easy to subject steel grades OT, OL, and OLC to parkerizing.  
The optimum parkerizing time is 20 - 40 min, and when the accelerated process is  
used - 5-10 min. There are 7 references.

Ye. Layner ✓

[Abstracter's note: Complete translation]

Card 1/1

RUMANIA/General Problems of Pathology. Immunity...

J

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37049.

Author : Lupascu, Q.E., Istodor, N., Stefanescu, O.

Inst :  
Title : The Practical Value of the Glass Slide Agglutination  
Reaction Test in Detection of Heterophile Antibodies  
in Man.

Orig Pub: Med. interna, 1957, 9, No 4, 612-617.

Abstract: No abstract.

Card : 1/1

144

CHEPURNOY, O.; NIKOLAYENKO, G.; LUPASHCHENKO, A.

Maintenance of motortrucks operating far away from the bases.  
Avt. transp. 43 no.8:46-48 Ag '65. (MIRA 18:9)



AID P - 4821

Subject : USSR/Engineering  
Card 1/1 Pub. 107-a - 7/13  
Author : Lupashko, A. V.  
Title : Repair of diesel-crankshaft by welding  
Periodical : Svar. proizv., 3, 23, Mr 1956  
Abstract : A brief description of the welding procedure in repairing the badly-cracked crankshaft of an "Ingersol" 600HP diesel. The crack was 80 mm deep and 2/3rds around the 5th journal. A DC electric arc (up to 350 a.) and the UONI-13/55 electrode (4mm) were used. Three drawings.  
Institution : Main Administration for Design and Manufacture of Oxygen Apparatus (GLAVKISLOROD MASH).  
Submitted : No date

LUPASHKO, A.V.

Attachment for milling grooves. Stan.1 instr. 32 no.6:40 Je '61.  
(MIRA 14:6)

(Milling machines--Attachments)

USSR/Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53683

Author : Belyayeva, Z.S., Lupashko, I.P.

Inst : -

Title : On the Methods of Working with Perennial Grasses.

Orig Pub : Seleksiya i semenovodstvo, 1957, No 3, 68-70

Abstract : In spite of the assertion of A.M. Konstantinova (Selection and Seed Growing, 1957, No 1) that artificial selection cannot constitute a basic method for selecting perennial grasses, the authors point out a number of valuable varieties raised by the method of selection at the Iygev Selection Station, Krasnoufim Station and at the Institute for Agriculture of the Southeast. Abroad, both mass and individual selection are also used widely in the selection of the perennial grasses. The majority of USA grass varieties is the result of natural selection from local grass populations. The selected varieties

Card 1/2

USSR/Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53683

are obtained by means of intervarietal and interspecific  
natural cross-pollination of the grass stands. -- V.V.  
Koperzhinskiy

Card 2/2

- 75 -

ANBINDER, Ya.Ye. [Anbinder, IA.IE.]; SHPAKOVSKIY, N.Ye. [Shpakovs'kyi, N.E.];  
DARBINYAN, S.A.; KOMAROV, V.V.; KOMAROVA, T.V.; KOCZLOV, Yu.A.; KONOKOTIN,  
L.P.; ZEREKIDZE, V.M.; SHULYATITSKIY, S.M. [Shyliatyts'kyi, S.M.];  
KHODURSKIY, Ye.A. [Khodurs'kyi, IE.A.]; OBUSHINSKIY, Ye.I. [Obushyns'kyi,  
IE.I.]; GVOZDIK, A.A. [Hvozdyk, A.A.]; NIKITINA, M.A.; LUPASHKO, N.F.;  
BESKROVNIY, M.N.; TSIMBLER, M.Ye. [TSymbler, M.IE.]; ILYN, A.N.; TOTADZE,  
P.M.; ZHIGURS, Kh.Yu.; ZAKREVSKIY, Ye.S. [Zakrevs'kyi, IE.S.];  
FEDOROVICH, A.G. [Fedorovych, A.H.]; CHALENKO, D.K.; KHOMUTOV, D.A.;  
SKURIKHIN, I.M.; NILOV, V.I.; YEFIMOV, B.N. [IEfimov, B.N.]; KAZANOVSKIY,  
V.S. [Kazanovs'kyi, V.S.]; ZOTIKOV, L.S.; KUCHURENKO, M.A.

Soviet certificates of invention. Khar. prom. no.2:57-59 Ap-Je '65.  
(MIRA 18:5)

LUPASHKO, YE. A.

USSR/Optics - Physical Optics.

K-5

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7698

Author : Sinel'nikov, K.D., Shklyarevskiy, T.N., Lupashko, Ye.A.

Title : Optical Properties of Intermetallic Compounds. Zinc-Antimony Compound.

Orig Pub : Uch. zap. Khar'kovsk. un-ta, 1955, 64, 141-144

Abstract : The antimonoid of zinc (I) was obtained with S.A. Vekshinskiy's method by simultaneous sublimation of zinc and antimony on glass in vacuum. A portion of the complex film corresponding to I was obtained by measuring the specific conductivity, which for I is  $2.5 \times 10^{-3} \text{ ohm}^{-1} \text{ cm}^{-1}$ . Such portions have an increased transparency  $T$  and at thicknesses  $t > 1,000 \text{ \AA}$  they have a brown hue in transmitted light. The dependence of  $T$  on  $\lambda$  was measured with the  $\text{SR-4}$  spectrophotometer in the  $350 - 1100 \text{ m}\mu$  region in a large number of films of different  $t$ , and the absorption coefficient  $\mu_{\lambda}$  was calculated

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USSR/Optics - Physical Optics.

K-5

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7698

from the equation  $\chi = \lambda \ln (T_1/T_2) / 4 \pi (t_2 - t_1)$ . Films were selected with such value of  $t$  as to make the light interference negligible and to make it possible to assume the coefficient of reflection of the various films to be the same. The curve  $\chi = f(\lambda)$  increases rapidly towards the shorter waves, indicating the presence of an absorption band in the ultraviolet region of the spectrum. The optical density in the region of 400 -- 1,000  $\mu$  is independent of the temperature in the range from 20 -- 100°.

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82467  
S/112/60/000/006/014/032

Translation from: Referativnyy zhurnal, Elektrotehnika, 1960, No. 6, p. 249  
# 4.4812

AUTHORS: Kandyba, V. V., Kutsyna, L. M., Varchenko, A. A., Lupashko, Ye. A.

TITLE: A Device for Measuring the Flame Temperature by the Intensity of Spectral Lines

PERIODICAL: Tr. Komis. po pirometrii pri Vses. n.-1. in-te metrol., 1958,  
No. 1, pp. 69-76

TEXT: An installation has been developed at KhGIMIP for measuring the temperature of flames, in particular, the flame of a gas turbine engine with a photoelectric photometer having a high threshold sensitivity thus the intensity of the "D" spectral line of sodium can be measured. To obtain a "saturation" that is the black radiation in the spectral range of 0.1-0.2 A at temperatures of  $\sim 2,000$  K, an addition of sodium to the flame of  $\sim 10^{13}$ - $10^{14}$  sodium atoms per  $1 \text{ cm}^3$  to the flame is sufficient. This addition has practically no influence on the behavior of the flame. A concave longfocal diffraction grating is used in the installation. The mean square error of measuring a temperature of  $\sim 2,000$  K

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82467

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A Device for Measuring the Flame Temperature by the Intensity of Spectral Lines

is 1%. The Fabri-Pero (Fabrie-Perau?) standard can serve as a basis for a portable device measuring the temperature of a technical flame with a low background level. The optical circuit of the device consists of a condenser, color filter, lens with a stop, cutting out the central part of the interference pattern which enters the cathode of the photomultiplier of the photometer. A new optical system for measuring the flame temperature using a sodium resonance lamp is also proposed. The lamp has a special extension where sodium is placed. By regulating the temperature of the extension, the intensity of the resonant radiation is controlled. The calibrating curve of the lamp can be built either by using the Plank law or experimentally by the calibrated temperature lamp "VT-3" (LT-3). 4

M. S. K.

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ACCESSION NR: AP4020967

S/0051/64/016/003/0517/0521

AUTHOR: Lupashko, Ye.A.; Shklyarevskiy, I.N.

TITLE: Antireflecting dielectric multilayers

SOURCE: Optika i spektroskopiya, v.16, no3, 1964, 517-521

TOPIC TAGS: metal coating, metal reflection suppression, antireflection coating, dielectric coating, absorption enhancement, photosensitive layer, photoelement, cryolite, zinc sulfide, aluminum chromium

ABSTRACT: In an earlier study (I.N.Shklyarevskiy and A.A.Avdeyenko, Opt.i spektr. 6,673,1959) there was demonstrated the possibility of enhancing the transmittance of partially transparent metal coatings by means of granular silver films deposited between the metal coating and the substrate. Subsequently P.G.Kard (Ibi.9,243,1960) proposed a theory indicating the possibility of enhancing the transmittance of metal coatings by means of dielectric films in contact with the metal coating on both the exposed (air) side and on the substrate side. In the first study mentioned above enhancement of transmittance was understood to mean increase of the transmission coefficient T either by reduction of the absorption coefficient A together with re-

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ACCESSION NR: AP#020967

duction of the reflection coefficient  $R'$  from the substrate side but no change in  $R$  on the "air" side, or reduction of both  $A$  and  $R$ . Kard considered enhancement of transmittance only due to reduction of  $A$ , even if this is accompanied by some increase of  $T$  and  $R$ . In the present paper there is proposed and theoretically justified a procedure for depositing antireflecting dielectric layers onto an opaque metal layer; as a result of sharp decrease of the reflection coefficient, the absorption coefficient of the metal coating is greatly increased. Thus, deposition of such antireflecting layers onto the light sensitive layer of a radiation detector (photoelement) can significantly improve the detector response. Experiments were carried out with aluminum and chromium layers coated with multiple layers of cryolite and zinc sulfide, each a quarter wavelength thick. Application of two layers results in substantial reduction in reflection. Increase in the number of dielectric layers from two to four leads to further decrease of the reflection; further increase to six dielectric layers, however, brings about an increase in reflection. Thus, by deposition of multiple layer dielectric coatings it is feasible to suppress reflection of light from metal coatings. The spectral range of effective suppression of reflection is the narrower, the higher the intrinsic reflection coefficient of the metal. For metals with  $R \approx 50\%$  reflection can be reduced to virtually nil in the entire visible region. Orig.art.has: 5 formulas and 4 figures.

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L 40287-65 EWI(m)/EPF(c)/EWP(j)/T/EWA(c) Pc-4/Pr-4 IJP(c) RM  
ACCESSION NR: AR5005638 S/0081/64/000/022/B049/B050

36  
B

SOURCE: Ref. zh. Khimiya, Abs. 22B329

AUTHOR: Kutsyna, L.M.; Grekov, A.P.; Lupashko, Ye. A.; Verkhovtseva, E.T.;  
Aleksandrova, D.M.; Tititsky, G.D.; Demchenko, N.I.

TITLE: The use of 1-methylnaphthalene in scintillation technology

CITED SOURCE: Sb. Stsintillyatory i stsintillyats. materialy. Khar'kov, Khar'kovsk.  
UR-L, 1963, 203-208

TOPIC TAGS: scintillator, <sup>19</sup>scintillation counter, methylnaphthalene, photoelectric current, luminescence, oxygen quenching, triphenylpyrazoline, terphenyl, radioisotope

TRANSLATION: The scintillation effectiveness of liquid scintillators prepared from solutions of PPO, BPO or 1,3,5-triphenylpyrazoline in 1-methylnaphthalene is 20-40% higher than that of p-terphenyl + POPOP in toluene. They are stable with time relatively

~~in aqueous acetic acid solution and distilled in a vacuum. An unknown impurity was~~

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ACCESSION NR: AR5005638

detected in this preparation, but was shown to have no effect on the scintillation effectiveness. The scintillation effectiveness was determined from the photoelectric current in an FEU during irradiation with gamma rays from Ag-110. I. Keirim-Markus

ENCL: 00

SUB CODE: OP, OC

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4-81-65 SWI(1)/EPA(2)-2/REG(1) PG-7/PI-4 IJPC(1) 1965  
ACCESSION NR: AP501121 UR/0051/65/018/004/0661/0667

AUTHOR: Shkiyarevskiy, I. N.; Lupashko, Ye. A.

30  
27  
B

TITLE: Multilayer coatings with selective reflectivity

SOURCE: Optika i spektroskopiya, v. 18, no. 4, 1965, 661-667

TOPIC TAGS: multilayer coating, dielectric coating, dielectric mirror, reflection coefficient, transmission coefficient, selective reflection, interference mirror, cryolite, zinc sulfide

ABSTRACT: It is pointed out in the introduction that although there are many methods for preparing, analyzing, and synthesizing multilayer dielectric coatings with prescribed optical characteristics, the calculations are laborious and call for simple experimental means are desirable. The authors

prescribed optical characteristics, the calculations are laborious and call for the use of computers, so that simple experimental means are desirable. The authors have therefore prepared and investigated interference mirrors of high reflectivity and sufficiently narrow spectrum, by alternately depositing in vacuum layers with high (zinc sulfide) and low (cryolite) refractive indices. The technique used was the same as described by Ch. Dufour (Ann. de Phys. v. 6, 5, 1951). The spectral curves of the transmission and reflection coefficients were plotted with apparatus

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likewise described by Dufour. Coatings of two types of glass:  $HL \dots H \cdot (2n + 1)L \cdot H \cdot$   
 $\dots L \cdot H \cdot$  - air and  $\dots H \cdot (2n + 1)L \dots H \cdot (2n + 1)L \cdot H \cdot$  - air were investigated  
(H - zinc sulfide layer, L - cryolite layer, each of quarter-wave thickness,  $n = 1, 2, 3, \dots$ ). The results agreed with earlier theoretical and experimental re-  
searches by others. They also show that, for an equal number of layers and for an  
equal thickness of cryolite, a changeover from interference mirrors of the first  
type to that of the second type leads to a narrowing of the spectral region of high  
reflection and to broadening of the region with low reflection. A limit is imposed  
on the attainable narrowing of the high-reflection region by the light scattering  
produced when the thickness of the even layers is increased. "The authors thank  
A. F. Prikhot'ko, V. L. Broude, and M. S. Soskin, whose initiative contributed to  
the performance of this work." Orig. art. has: 4 figures and 2 formulas. [62]

the performance of this work. Orig. art. has: 4 figures and 2 formulas. [02]

ASSOCIATION: none

SUBMITTED: 07Mar64

ENCL: 00

SUB CODE: EM,OP

NO REF SOV: 008

OTHER: 001

ATD PRESS: 3257

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Card 2/2

ACC NR: AP6033441

SOURCE CODE: UR/0051/66/021/004/0482/0486

AUTHOR: Shklyarevskiy, I. N.; Lupashko, Ye. A.

ORG: none

TITLE: Dispersion of the phase jump occurring when light is reflected from multi-layered dielectric coatings

SOURCE: Optika i spektroskopiya, v. 21, no. 4, 1966, 482-486

TOPIC TAGS: dielectric coating, optic dispersion, phase shift, light reflection, optic interference

ABSTRACT: This is a continuation of earlier work (Opt. i. spektr. v. 16, 888, 1964 and earlier) dealing with the effect of coating on metallic surfaces. The present article deals with dielectric coatings rather than metallic coatings, and is devoted to the determination of the magnitude, sign, and dispersion of the phase jump occurring when light is reflected from multilayered dielectric coatings. The dispersion of the phase jump for coatings consisting of 1, 3, 5, 7, 9, 11, and 13 layers was measured. The sign of the phase shift was determined by an interferometer method similar to that used for the metals, and its magnitude was determined by a relative method. The results of the experiment are in good agreement with the corresponding theoretical curves calculated by Vlasov's recurrence formulas (I. V. Grebenshchikov et al,

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UDC: 535.312

ACC NR: AP6033441

Prosvetleniye Optiki [Coated optics] OGIZ, GITL, 1946). The spectral dependence of the reflection coefficients of the same coatings was also measured and calculated. In this case the experimental values were somewhat lower than the calculated ones. Whereas the reflection coefficient of 11- and 13-layer coatings, which are usually employed in interferometry, depends little on the wavelength in a wide region of the spectrum, a strong spectral dependence of the phase shift is observed. Orig. art. has: 4 figures and 9 formulas.

SUB CODE: 20/ SUBM DATE: 04May65/ ORIG REF: 009/ OTH REF: 005

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