

MAYERGOYZ, I.M.; SAUSHKIN, Yu.G.

Nikolai Nikolaevich Baranskii; on the occasion of his 75th
birthday. Izv.AN SSSR. Ser.geog. no.5:56-60 S-0 '56. (MLRA 9:11)

(Baranskii, Nikolai Nikolaevich, 1881-)

MAYERGOYZ, I.M.

Study of cities from the point of view of economic geography.
Vop.geog. no.38:3-4 5-27 '56. (MLBA 9:9)

(Cities and towns)

MAYERGOYZ, I.M.

Development of backward areas in European People's Democracies
(exemplified by the Czechoslovak Republic). Vest.Mosk.un.Ser.biol.,
pochv., geol., geog. 13 no.3:173-183 ' 58. (MIRA 12:1)

1. Kafedra ekonomicheskoy geografii stran narodnoy demokratii.
Moskovskogo gos. universiteta.
(Slovakia--Industrialization)

MAYERGOYZ, I.M.

Urban and rural settlement in the Czechoslovak Republic. Vop.
geog. no. 45:199-226 '59. (MIRA 12:5)
(Czechoslovakia--Cities and towns)
(Czechoslovakia--Land settlement)

BARANSKIY, N.N.; MAYERGOYZ, I.M.

Ivan Aleksandrovich Vitver's 70th birthday. Vop. geog. no. 53:3-6
'61. (MIRA 14:7)

(Vi' ver, Ivan Aleksandrovich, 1890-)

MAYERGOYZ, I.M.

Territorial groupings of machinery manufacturing in Czechoslovakia.
Vop. geog. no.53:7-26 '61. (MIRA 14:7)
(Czechoslovakia--Machinery industry)

MAYERGOYZ, I.M.; TROFIMOVSKAYA, Ye.A.

On Nikolai Nikolaevich Baranskii's 80th birthday. Izv. Vses. geog.
ob-va 93 no.4:289-291 J1 - Ag '61. (MIRA 14:7)
(Baranskii, Nikolai Nikolaevich, 1881 -)

MAYERGOYZ, I.M.; TARASOV, K.G.

"Geography of Czechoslovakia" by V.Haufler, J.Korcak, V.Kral.
Reviewed by I.M.Maergois, K.G.Tarasov. Vest.Moak. un. Ser. 5:
Geog. 17 no.1:76-77 Ja-J' '62. (MIRA 16:7)
(Czechoslovakia--Geography) (Haufler, V.) (Korcak, J.)
(Kral, V.)

DOLGOPOLOV, G.V.; KAZANSKIY, N.N.; KRYUCHKOV, V.G.; MAYERGOYZ, I.M.;
MINTS, A.A.; NAZAREVSKIY, O.R.; PETRYAYEVA, D.A.; POKSHISHEVSKIY,
V.V.; PRIVALOVSKAYA, G.A.; PULYARKIN, V.A.; RYAZANTSEV, S.N.;
FREYKIN, Z.G.; KHOREV, B.S.

Gennadii Petrovich Matveev; obituary. Izv. AN SSSR. Ser.geog.
no.6:144-145 N-D '62. (MIRA 15:12)
(Matveev, Gennadii Petrovich, 1926-1962)

MAYERGOYZ, Issak Moiseyevich; KAROLIK, M.A., red.; MARTYNOVA, V.A.,
mlad. red.

[The Czechoslovak Socialist Republic; economic geography]
Chekhoslovatskaia Sotsialisticheskaia Respublika; ekonomiche-
skaia geografiia. Moskva, "Mysl'," 1964. 730 p.
(MIRA 17:5)

MAYERGOYZ, I.M.; PIVOVAROV, Yu.L.

Main problems of changes in the character of the urban system
in some socialist countries of Europe. Vop. geog. no.66:59-75
'65. (MIRA 18:6)

VITVER, I.A.; MAYERGGIZ, I.N.

Vasim Vlachoslavovich Pokshishovskii, 1905?-; his 60th
birthday. Izv. Vses. Geog. ob-va 97 no.5:181-182 S-O
*6). (MIRA 18:11)

LAPPO, G.M.; MAYERGOYZ, I.M.; NEVYAZHSKIY, I.

Reviews and bibliography. Vest. Mosk. un. Ser. 5: Geog. 20 no.6:
88-90 N-D '65. (MIRA 19:1)

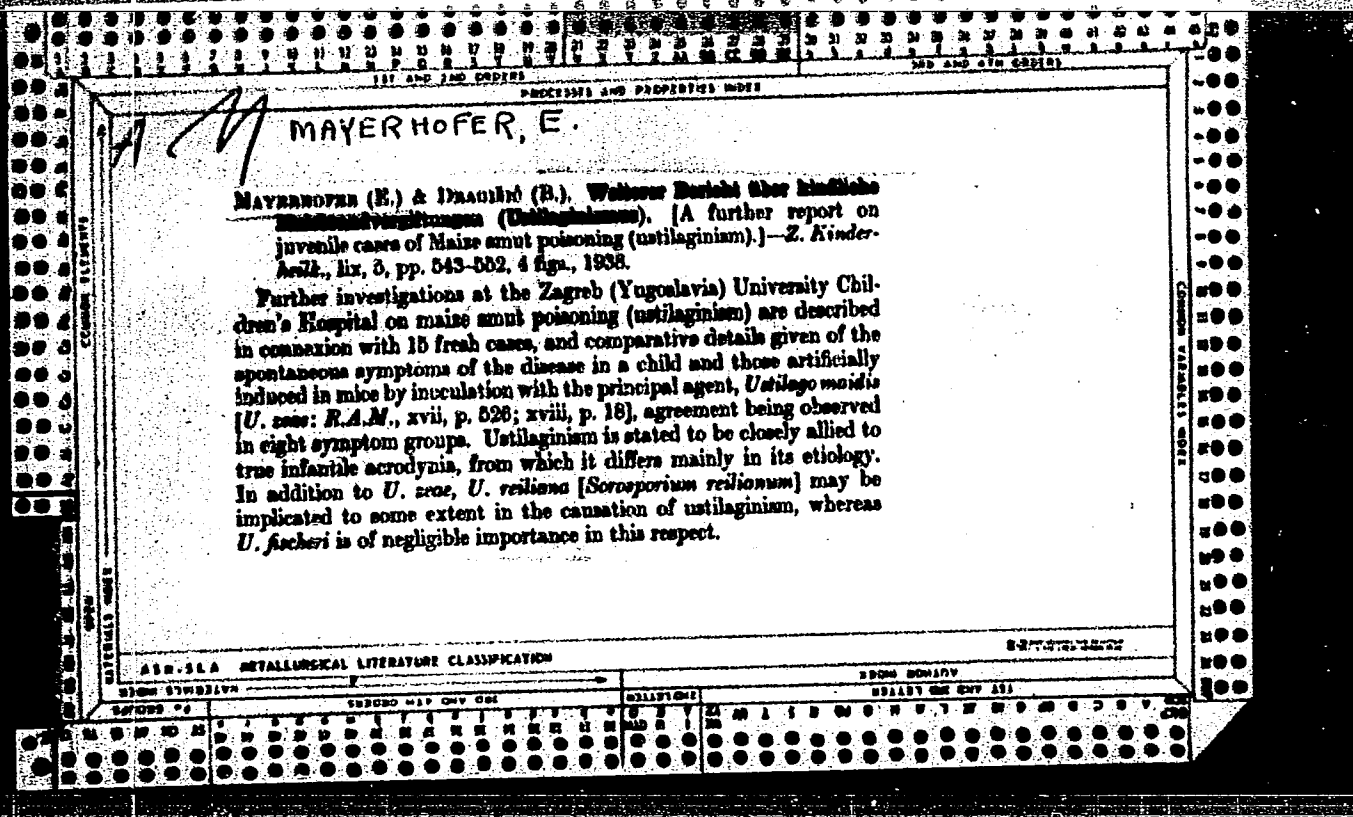
MAYERGOYZ, L.S. (Sverdlovsk)

On a certain property on the indicatrix of growth of an integral function of several variables. Izv. vys. ucheb. zav.; mat. no.6: 104-115 '64. (MIRA 18:3)

MAYERGOYZ, L.S.

Classification of integral functions of several complex
variables and its effect in studying the characteristic growth
and the types of integral functions. Mat.zap.Ural.mat.ob-va
UrGu 3 no.2:37-58 '62.

(MIRA 19:1)



MAYERGOYZ, L.S. (Sverdlovsk)

Use of periodic generalized functions in the theory of increase of
integral functions of several variables. Izv.vys.ucheb.zav.; mat.
no.5:99-114 '65.

(MIRA 18:10)

KATE, I.O.; MAYENGOVA, N.O. [Malerholz, M.O.]

Method of finding zeroes of analytic functions. Dop. AN URSR
no.12:1563-15 5 (MIRA 19:1)

1. Institut kibernetiki AN UkrSSR. Submitted December 23, 1964.

MAYERGOYZA, I.M., red.

[Quantitative research methods in economic geography; a collection of seminar reports] Kolichestvennyye metody issledovaniia v ekonomicheskoi geografii; sbornik dokladov na seminare. Moskva, 1964. 173 p. (MIRA 18:8)

1. Geograficheskoye obshchestvo SSSR. Moskovskiy filial. Otdeleniye ekonomicheskoy geografii.

MAYERHOFER, E.; GRUNER, T.

Treatment of progressive muscular dystrophy in infants. Lijec.
vjes. 72 no.2:81-84 F '50. (CJML 19:2)

1. Of the Pediatric Clinic in Beograd (Director -- Prof. M.Ambro-
zic, M.D.).

MAYERHOFER, E.

Treatment of spastic states. Lijec.vjes. 72 no.2:76-77 F '50.
(GIML 19:2)

1. Of the Pediatric Clinic in Beograd (Director -- Prof. M.Ambro-
zic, M.D.).

MAYERHOFFER, Gyozo (HA 5 AW) diploma ugyintezo (Budapest)

News of the Budapest Radio Club. Radiotechnika 13 no.9:339 S '63.

1. Budapesti Radioklub.

Country : HUNGARY
Category : Soil Science. Fertilizers. Organic Fertilizers. J
Abs Jour : RZhBiol., No 6, 1959, No 24652
Author : Fekete, B.; Hargitai, I.; Mayerne-Kiss, T.
Inst : -
Title : Some Data on the Appraisal of the Most Important Organic Fertilizers.
Orig Pub : Agrakem. ea talaj, 1957, 6, No. 4, 337-344
Abstract : Comparative laboratory and field investigations of the more important kinds of organic fertilizers showed that the best proved to be: granulated biocompost (an organic substance mixed with excrements enriched with NPK) among the commercial fertilizers; indorcompost among the composts; and among the earth-manure mixtures, a mixture in relation of 1 : 4 from
Card : 1/2

Country : HUNGARY
Category : Soil Science. Fertilizers. Organic Fertilizers. J
Abs Jour : RZhBiol., No 6, 1959, No 24652
Author :
Inst :
Title :
Orig Pub :
Abstract : different kinds of manure - a manure, the storage of which was accomplished under concrete shields, according to the method of Kalbay. The properties of humus extraction from various fertilizers were studied by the intensity of absorbed light. On the basis of these investigations, the stability number of humus fertilizers and of composts, and the stability
Card : 2/3

51

Country : HUNGARY
Category : Soil Science. Fertilizers. Organic Ferti-
lizers. J

Abs Jour : RZhBiol., No 6, 1959, No 24652

Author :
Inst :
Title :

Orig Pub :

Abstract : coefficient, the magnitude of which is pro-
portional to the quantity of the humic stable
components, were calculated. -- O. P. Medve-
deva

Card : 3/5

MAYERNIK, O.; ERLICHMAN, G.; FRICH, F.

Studying the causes of premature death of apricot (*Prunus
armeniaca* L.). Biul. Glav. bot. sada no. 55:69-71 '64.
(MIRA 18 11)

1. Botanicheskiy institut Slovatskoy AN, Bratislava,
Chekhoslovakiya.

MAYEROV, I.; ZARKHINA, A.

Produce more, spend less. Mest.prom.i khud.promys. 3 no.12:27
D '62. (MIRA 16:2)

1. Nachal'nik otdela finansirovaniya narodnogo khozyaystva
oblastnogo finansovogo otdela, Grodno, Belorusskoy SSR (for
Mayerov). 2. Starshiy ekonomist otdela finansirovaniya
narodnogo khozyaystva oblastnogo finansovogo otdela, Grodno,
Belorusskoy SSR (for Zarkhina).
(Grodno Province--Industrial management)

MAYEROV M. V.

Mayerov M. V. "Stabilizing Systems which Contain Elements with Built-in
Lag." *Avtomatika i telemekhanika*, 1953, Volume XIV, No 5, Pages
647-658, 10 figures; bibliography, 12 items.

VELGOS, S.; MAYEROVA, A.

The effect of ultrasound on some viruses. Bratisl. lek. listy
45 no.11:676-681 15 D '65.

1. Stomatologicka katedra Lek. fak. Univerzity Komenskeho v
Bratislave (veduci prof. MUDr. S. Velgos) a Krajska hyg.-epid.
stanica v Bratislave (veduci MUDr. F. Schultz).

HRUBISKO, M.; HODZOVA, O.; MAYEROVA, A.; CIGMANCOVA, L.; Technicka
spolupraca: KULICHOVA, E.

Beta-thalassemia in a Slovak family. Cas. lek. Cesk. 104 no.47:
1290-1296 26 N '65.

1. Fakultna transfuzna stanica, subkatedra hematologie a trans-
fuzie krvi UDVLF v Bratislave (veduci doc. dr. M. Hrubisko, CSc.)
a II. interna klinika Lekarskej fakulty Univerzity Komenskeho v
Bratislave (prednosta prof. dr. V. Haviar). Submitted February
1965.

MAYER, V.; MAYEROVA, A.

Tissue culture using human amniotic membranes in virological work. I.
A simple method of human amnion tissue culture preparation. Cesk.
epidem. mikrob. imun. 7 no.5:311-316 Sept 58.

1. Virologický ústav CSAV v Bratislave Krajská hygienicko-epidemiolog-
ická stanice v Bratislave.

(VIRUSES, culture

tissue culture on amnion (Cz))

(AMNION,

tissue culture for viruses (Cz))

(TISSUE CULTURE,

human amnion tissue culture for viruses (Cz))

MAYER, V.; MAYEROVA, A.; VILCEK, J.

Some aspects of the use of a transformed line of human amniotic cells in virological work. Acta virol. Engl. Ed., Praha 3(Supplem.): 51-54 1959.

1. Institute of Virology, Czechoslovak Academy of Sciences, and County Sanitary-Epidemiological Laboratory, Bratislava.
(VIRUSES, culture)

VILCEK, Jan; MAYEROVA, Anna; MAYER, Vlastimil; KOCISKOVA, Dagmar

Incidence & method of detection of adenoviruses. Cas. lek. cesk. 98
no.23:714-717 5 June 59.

1. Virologicky ustav CSAV, riaditel akademik D. Blaskovic a Krajska
hygienicko-epidemiologicka stanica, riaditel MUDr. F. Schulz, V.
Bratislave. J.V., Bratislava, Mlynska Dolina.

(ADENOVIRUS

incidence & detection method (Cz))

GALANDA, V.: MAYEROVA, A.

A mass outbreak of Bornholm disease with the isolation of
Coxsackie virus type B3. Cesk.pediat.15 no.11:1014-1021 N'60.

1. Okresny ustav narodneho zdravia, Martin, detske odd., prim.
MUDr. V. Galanda a Krajska hygienicko-epidemiologicka stanica,
Bratislava, riaditel MUDr. F. Schulz.

(PYEURODYNIA EPIDEMIC in inf & child)

MAYEROVA, A.

(2)

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Kraj Public-Health and Epidemiology Station (Krajska hygienicko-epidemiologicka stanica), Bratislava; Director: F. SCHULZ, MD.

Source: Bratislava, Lekarsky Obzor, Vol 10, No 6, 1961, pages 331-337.

Data: "Occurrence of Some Enteric Viruses During the Period 1957-1959."

116

MAYEROVA, Anna, Dr.; MAYER, Vlastimil, Dr.

Growth of the stable line of human amniotic cells in various media;
use of the cultures of human amniotic cells in virological work.
Part 2. Biologia 16 no.5:359-356 '61.

1. Krajska hygienicke-epidemiologicke stanica, Bratislava (for
Mayerova) 2. Virologicky ustav Ceskoslovenske akademie ved, Bratislava,
Mlynska dolina.

(AMNION) (VIRUSES)

MAYEROVA, A.

CZECHOSLOVAKIA

MAYEROVA, A.

— Kraj Hygienic-Epidemiological Station (Kraj
hygienicko-epidemiologicka stanica), Bratislava

Bratislava, Lekarsky obzor, No 3, 1963, pp 135-138

"New Knowledge Concerning the Morbilli Virus."

MAYEROVA, A.; MAYER, V.

Improved plaque assay of Tshyna virus (complex of California encephalitis). Acta virol (Praha)[Engl] 8 no.1: 95 Ja'64.

1. Regional Sanitary - Epidemiological Station, Bratislava, and Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

*

MAYKROVA, A.; BAGAR, B.

Analysis of the presence of antibodies against Tahyna virus in
the population of western Slovakia. Bratisl. lek. listy 44
no.5:309-312 15 S'64

1. Krajska hygienicko-epidemiologicka stanica v Bratislave;
riaditel MUDr . F. Schulz.

MAYEROVA, A.; MAYER, V.

Simultaneous use of human and monkey epithelial cells in the diagnosis of enterovirus infections. Bratisl. lek. listy 44 no.7:417-422 15 0 '64.

1. Krajska hyg.-epidemiologicka stanica v Bratislave, (riaditel MUDr. F. Schultz,) a Virologicky ustav Ceskoslovenskej akademie ved v Bratislave (riaditel akademik D. Blaskovic, Dr. Sc.).

NY-10000, A.; 10/11/1950 . . .

Antibody response after infection of mice. *Ann. N.Y. Acad. Sci.*
entien. 14: 23-31 (1950).

1. Krajka regionálno-epidemiologická stanica, Bratislava a
Virologický ústav Slovenskej akadémie ved, Bratislava.

MAYEROVA, A.

The effect of agar poly-anions and heparin on cytopathic manifestations of various arboviruses. Cesk. epidem. 14 no.4:193-199 J1 '65.

1. Krajska hygienicko-epidemiologicka stanica Krajskeho ustavu narodniho zdravi Zapadoslovenskeho Krajskeho narodniho vyboru, Bratislava.

MAYEROVICH, I. M.

Hearing

Total bilateral obiteration of the vestibular function and unilateral preservation of hearing following epidemic cerebrospinal meningitis. Vest. oto-rin. 14 no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

MAYEROVICH, I.M.

Total bilateral obliteration of the vestibular function and unilateral preservation of hearing following epidemic cerebrospinal meningitis. Vest. otorinolar., Moskva 14 no. 5:73 Sept-Oct 1952. (GLML 23:3)

1. Candidate Medical Sciences. 2. Of the Second Clinical Division (Head -- Prof. R. A. Zasosov), Leningrad Scientific-Research Institute for Diseases of the Ear, Nose, Throat, and Speech (Director -- Prof. I. A. Lopotko: Scientific Supervisor -- Prof. V. I. Voyachek, Active Member of the Academy of Medical Sciences USSR).

MAYEROVICH, I. M. (Maj. of Med. Service; Cand. Med. Sci.)

"The Effect of Changes in Atmospheric Pressure Upon the Penetrability of Inner Ear Blood Vessels" *Voyenno-meditsinskiy zhurnal*, No. 9, 1955, pp. 32-35.

Tests were conducted on rats with trace atoms. The author recommends to check periodically the hearing function of all military personnel subjected to changes in atmospheric pressure.

Summary - 553570

MAYKROVICH, I.M., kandidat meditsinskikh nauk(Riga)

Mechanism of acoustic trauma. Vest. oto-rin. 17 no.5:18-21
S-0 '55.

(MIRA 9:2)

(SOUNDS, injurious effects, .

EXCERPTA MEDICA Sec.11 Vol.11/5 Oto-Rhino-Larngo.May53

MAYEROVICH, I. M.

941. THE USE OF RADIOACTIVE ISOTOPES IN OTOLARYNGOLOGY IN RESEARCH AND IN CLINICAL PRACTICE (Russian text) - Zagosov R. A. and Mayerovich I. M. Leningrad - VESTN. OTO-RINO-LARING. 1957, 5 (65-73)

The authors quote some ways of using radioactive phosphorus, sulphur, iodine and cobalt for purposes of scientific research and in practical otolaryngology. The paper contains the results of the authors' experimental assays of radioactive P^{32} accumulation in the larynx. Also the authors' studies on the distribution of labeled sulphazole and penicillin in certain ORL-organs, and the effect of cortisone on vascular permeability in the internal ear are quoted. The paper summarizes the experience of many authors who successfully used radioactive cobalt (Co^{60}) for tele-gamma-therapy in malignant tumours of the pharynx, larynx, and nose. Direct implantation of radioactive phosphorus, chromium, manganese, gold, etc., into the tumour tissue often leads to total disappearance of neoplasms. (XI, 14*)

MAYEROVICH I.M.

MAYEROVICH, I.M., kand.med.nauk (Riga)

Origin of perilymph of the labyrinth. Vest.oto-rin. 19 no.6:93
N-D '57 (MIRA 11:3)

(LYMPHATICS) (LABYRINTH (EAR))

MAYEROVICH, I.M., kand.med.nauk

Late complication in tympanoplasty. Zhur. ush., nos. 1 gorl, bol.
20 no.5:68-69 S-0 '60. (MIRA 1r:6)

1. Iz Okruzhnogo voyennogo gospitalya Rigi.
(TYMPANIC MEMBRANE SURGERY)

MAYKROVICH, I.N., kandidat meditsinskikh nauk (Leningrad)

Osseous trabeculae in the palatine tonsil. Vest. oto-rin. 16 no.4:
80-81 JI-Ag '54. (MLRA 7:8)

(TONSILS, abnormalities,
*osseous trabecula)

(ABNORMALITIES,
*tonsils, osseous trabecula)

MAYERSBACH, H.v.; LESKE, R.

Physiological fluctuations of the diurnal rhythm of glycogen. Acta
morph. acad. sci. hung. 12 no.1:33-42 '63.

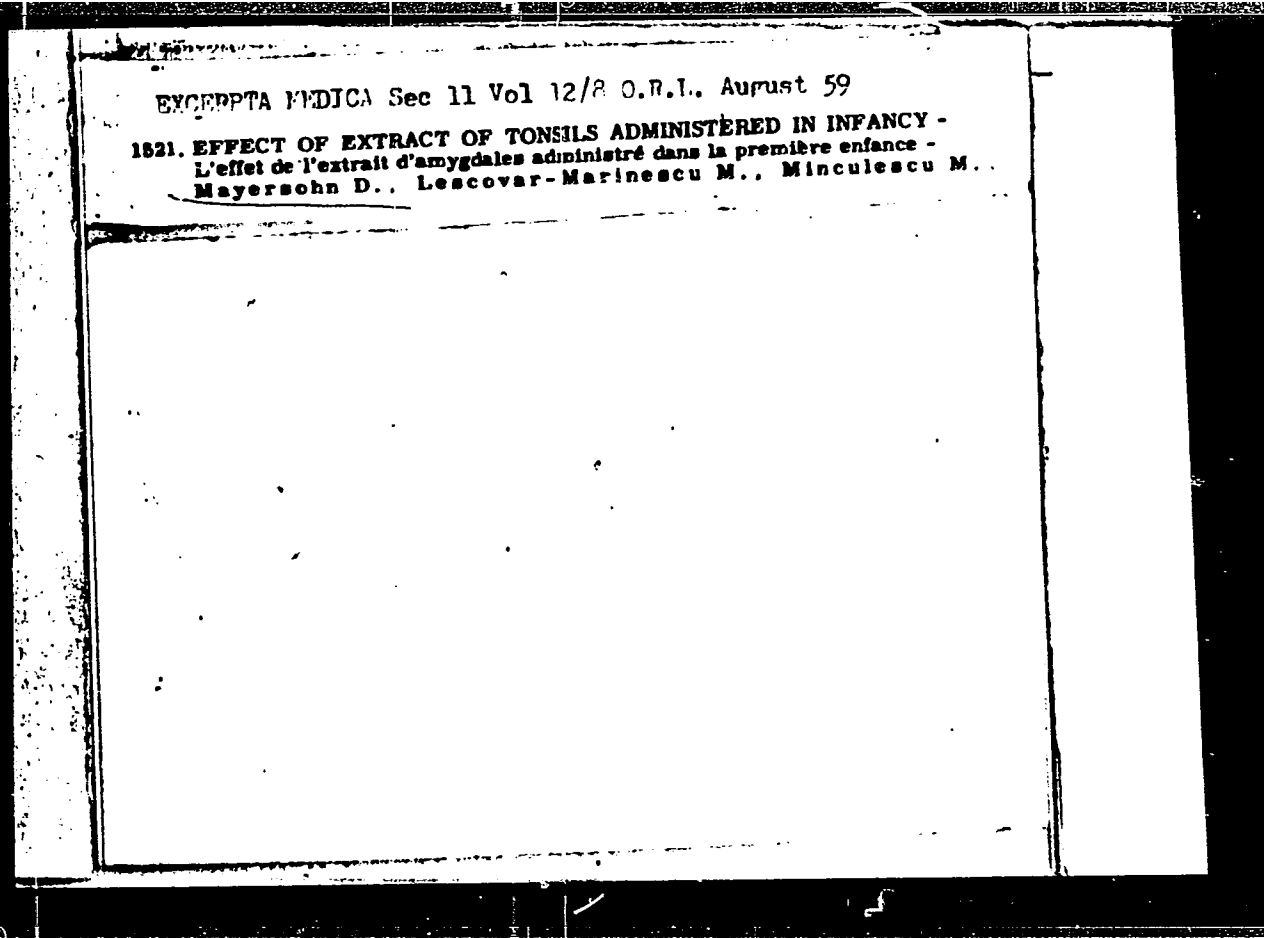
1. Institut für Histologie und Embryologie der Universität Lausanne
(Schweiz) (Direktor: Prof. O. Bucher).
(LIVER GLYCOGEN) (METABOLISM) (PERIODICITY)

REVISTA MEDICA Sec.11 vol.11/2 Oto-rhino-lar. Feb 53

MAYERSON, D

246. POST-CAUSTIC CICATRICAL PHARYNGITIS. A propos des sténoses post-caustiques du pharynx. Mayer son D. Dépt. de Oto-Rhino-Laryngol., Hôp. Dr. Charles Davila, Bucarest. REV. LARYNG. (Bordeaux) 1957, 78/5-6 (333-340) Illus. 4

The author discusses the very rare occurrence of post-caustic cicatricial pharyngitis, in connection with oesophagitis of the same nature, and its extraordinary resistance to any treatment including excision, electro-coagulation, thermocauterization as well as to dilatations with acrylic moulds, or bougie. From the anatomopathological point of view this type of pharyngitis occurs in the form of a funnel or with a cicatricial diaphragm. In the latter case a small orifice allows respiration but to an absolutely insufficient degree, and is the cause of an important dyspnoea. At the same time, as far as nutrition is concerned, it permits the passage of liquids only. In such a case the author recommends the creation of a second lateral orifice; a nylon thread is then passed through both orifices and the ends brought out through the nasal fossa. After healing, which in general occurs after 30 days, the orifices are united by a cut performed with Gigli's bandsaw. The orifice will become sufficiently large to enable a normal function.



1521

Klein R., Fanghele M., Busila F., Ghitnic E., Tarchila I. and Davila C. Inst. de Pédiat., Eucarest - REV. LARYNG (Bordeaux) 1958, 79/7-8 (542-553) Tables 4

The authors administered for 15 days a hydro-alcoholic extract of calf tonsils, prepared cold, to hypotrophic infants, aged 6-20 months, with subacute adenoiditis and repeated fever attacks. It was found that the weight diagram was strongly stimulated, having rapidly reached the normal level, that the appetite and well-being increased and that a florid aspect set in during and after the treatment. The aspect of the tonsils did not change, but it was found that the adenoidal focus underwent a spontaneous healing. Also noteworthy is the important stimulation of the general metabolism of the infant treated with such a tonsil extract. (XI, 7, 17°)

MAYERSON, A. Y.

4726. PEAT FIRED BOILER. MayerSON, A. Y. (Za Ekonomiyu Topliva (Fuel Economy), 1947, No. 8, 11-17).

In 1945 the Yaroslav Power Station equipped a boiler for peat firing. The boiler rating fluctuated at first very considerably, which was found to be due to disintegration of peat in the hoppers and to a number of defects in the design of slide valves etc. After various structural improvements, including ash disposal, the boiler proved entirely satisfactory.

ABB-51A METALLURGICAL LITERATURE CLASSIFICATION

MAYERSON, F.Z. (Moskva); MANUKHIN, B.N. (Moskva); PSHEVNICHNIKOVA, M.G.
(Moskva); ROZANOVA, L.S. (Moskva)

Mediator metabolism of the myocardium in compensatory hyper-
function and hypertrophy of the heart. Pat. fiziol. i eksp.
terap 7 no.1:32-36 Ja-F'63. (MIRA 10:10)

1. Iz laboratorii fiziologii i patologicheskoy fiziologii
serdtsa Instituta normal'noy i patologicheskoy fiziologii
(dir. - deystvitel'nyy chlen AMN SSSR prof. V.V. Parin)
AMN SSSR.

(ADRENALINE) (HEART—HYPERTROPHY AND DILATATION)
(CHOLINE)

MAYESH, A.

Voluntary control in action. Avt. transp. 42 no.7:11-12 J1 '64.
(MIRA 17:11)

MAYESH, A.

Improve the organization of public inspection of the operations
of automotive transportation. Avt. transp. 43 no.8:3-4 Ag '65.
(MIRA 18:9)

MAYEV, F.

Latvian producers' cooperatives work for agriculture. Prom.koop
no.8:23-28 Ag '55. (MLRA 9:1)

1.Nachal'nik otdela metallo-mebel'noy promyshlennosti Latprom-
soveta.

(Latvia--Farm equipment)

MAYEV, M.A.; KORZHETSKIY, V.P.

Removable attachment for the 0-8 parquetry polisher for cleaning
asphalt sub-floors. Rats.1 izobr.predl.v stroi. no.60:8-9 '53.

(MLRA 7:2)

(Floors)

MAY 27, 1964

India; the problem of the
129-11-2a-100

24.2120 (1163,1532,1538)

28773

S/057/61/031/010/006/015
B104/B125

10.2000

26.730

AUTHORS: Lebedev, S. Ya., Stavisskiy, Yu. Ya., Bondarenko, I. I.,
Mayev, S. A., Stakhanov, I. P., and Stumbur, E. A.

TITLE: Plasma oscillations in ion-beam neutralization

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 10, 1961, 1202-1208

TEXT: The consequences of the condition that the total ion current in a plasma vanishes have been studied. Electrons and ions are assumed to be emitted orthogonally from a conductor surface at the velocities v_{10} and

v_{20} . Equations of motion and continuity for electrons and ions are studied. For the potential ϕ in the interval $0 \ll x \ll \infty$, the condition that electrons and ions do not reverse the direction of their motion reads: $d\phi/dx = 0$. (The conductor surface lies in the $x = 0$ plane.) The inequality $v_{10} \ll 2v_{20}$ holds for the velocities. If $d\phi/dx \neq 0$ on the conductor surface, the admissible velocity range, in which no reversal of the direction of motion will occur, is smaller. If the electron and ion currents in plasma do not compensate each other, a steady, periodically distributed

Card 1/3

X

Plasma oscillations in...

28773 S/057/61/031/010/006/015
B104/B125

charge will occur in the plasma. The period of charge distribution, the velocity and the acceleration of electrons in this spatially periodic charge are studied. Theoretical results were experimentally verified by measuring the electromagnetic radiation emitted by the electrons while traveling through the periodic charge. The experimental setup is shown in Fig. 2. Positive cesium ions reach the operating part from the incandescent tungsten plate 5. Grid 3 accelerates the ions and simultaneously emits electrons that neutralize the positive ions. The potential of the ion source relative to the earth ranged between 0 and 10 kv. Grid 3 had a zero potential. The emission of electromagnetic waves was measured with a radiotechnical installation. Very high-frequency oscillations were produced between 80 and 120 Mc/sec, and between 126 and 200 Mc/sec as dependent on the current density and ion energy. Experimental results are in good agreement with theoretical data. Professor A. I. Leypunskiy is thanked for his interest, and S. I. Chubarov for advice. There are 4 figures and 11 references: 6 Soviet and 5 non-Soviet. The three most important references to English-language publications read as follows: J. Feinstein et al., Phys. Rev., 83, 405, 1951; H. K. Sen, Phys. Rev., 99, 849, 1955; P. L. Auer et al., J. Appl. Phys., 30, no. 2, 161, 1959.

Card 2/3

X

MAYEV, S.A.

Potential distribution in a thermionic energy converter.
Zhur. tekhn. fiz. 33 no.9:1131-1133 8 '63. (MIRA 16:11)

MAYEV, S.A. (Moskva)

Boundary conditions for one-dimensional equations of kinetic moments.
Teplotis. vys. temp. 3 no.2:207-215 Mr-Ap '65. (MIRA 18:7)

L 10610-65 EW1(1)/EWG(k)/EPA(wp)-2/EM(n)-2/EPR/KPA(w)-2/T/KEG(b)-2/EMA Pa-1/
Pv-1/Pz-6/Pab-2h IJP(c)/AEDC(b)/SSD/ASD(f)-2/AFWL/ASD(p)-3/AFETR/ASD(d)/RAEH(a)/
ASD(a)-5/EKD(ga)/EKD(t) AT

ACCESSION NR: AP4045316

8/0048/64,028/009/1534/1536

AUTHOR: Mayev, S.A.; Stakhanov, I.P.

TITLE: Use of the Grad method for design calculations for thermoelectronic energy converters /Report, Tenth Conference on Cathode Electronics held in Kiev, 11-18Nov63/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.9, 1964, 1534-1536

TOPIC TAGS: thermoelectronic converter, plasma, kinetic gas theory, free path, theoretical physics

ABSTRACT: To solve the kinetic equation by the method of H.Grad (Comm.pure and ap. math 2,331,335,1949) one expresses each distribution function as the product of a Maxwell distribution function and an infinite series of symmetrized Hermite polyno-

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L 10610-65

ACCESSION NR: AP4045316

Boundary conditions are derived by equating the odd moments of the distribution function for the particles leaving the electrode (assumed given) to the corresponding moments of the distribution function for the particles in the body of the plasma. With the further assumption that \dots

current I_s :

$$I_s = \frac{1.75\alpha K}{\sqrt{1.5\alpha^2 K^2 + 2.8\alpha K + 1}} \sqrt{\omega} I_0$$

Here I_0 is the electron emission current, K is the ratio of the mean free path to the interelectrode distance, $\alpha = \tau_i(\tau_i + \tau_e) / \sqrt{\tau_e}$, where τ_i and τ_e are the ratios of the ion and electron temperatures, respectively, to the cathode temperature, and $\omega = j_0 / I_0 M / m$ where j_0 is the ion emission current and M and m are the masses of the ion and electron, respectively. For the case considered here $\omega \ll 1$. This equation can be used to calculate the saturation current when the mean free path is not negligible compared with the interelectrode distance. Orig.art.has: 11 formulas.

ASSOCIATION: none

SUBMITTED: CO

SUB CODE: EE,ME

NR REF SOV: 001

ENCL: 00

OTHER: 001

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STEPANOV, A. S.; STAKHANOV, I. F.; GUS'KOV, Yu. K.; KASIKOV, I. I.; PASHCHENKO, V. I.;
MAYEV, S. A.; LEBEDEV, M. A.

"State of the investigations into physical processes in thermionic converters."
to be
report/presented at Intl Conf on Thermionic Electrical Power Generation, London,
20-24 Sep 1965.

USSR State Comm for Applications of Atomic Energy, Moscow.

SVYATSKIY, Z.M., kand.tekhn.nauk; MAYEV, V.A., inzh.

Results of studying the combustion chamber of the GT-700-4 gas turbine system operating on natural gas. Energomashinostroenie 9 no.11:8-10 N '63. (MIRA 17:2)

MAYEV, V.Ye.; SHCHUROV, S.A.

Testing tractor air cleaners and designs of motorless testing
stands. Trakt.i sel'khoz-mash. no.6:15-19 Je '59.

(MIRA 12:9)

1. Nauchno-issledovatel'skiy avtotraktoromy institut.
(Tractors--Engines) (Air filters)

SHCHUROV, S.A., kand.tekhn.nauk, MAYEV, V.Ye.

Developments in the design of tractor engine air cleaners. Trakt.
i sel'khoz Mash. 30 no.8:12-15 Ag '60. (MIRA 13:8)

1. Nauchno-issledovatel'skiy avtotraktornyy institut.
(Automobiles--Engines) (Air filters)

MAYEV, V.Ye., inzh.

Selection of the parameters of cyclones for tractor air filters.
Trakt. i sel'khoz mash. 32 no.1:8-11 Ja '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy avtotraktornyy institut.
(Tractors--Engines) (Air filters)

CONFIDENTIAL - SECURITY INFORMATION

1. The following information was obtained from a source who has provided reliable information in the past.

2. The source has provided reliable information in the past.

MAYEV, V. Ye., inzh.

Investigating abrasive capacity of mineral particles passed through
air purifiers. Vest. mashinostr. 44 no.10:39-44. O '64. (MIRA 17:11)

MAYEV, V.Ye.

Investigating the abrasive properties of hard, small-size,
mineral particles. Tren. i izn. v mash. no.19:52-65 '64.
(MIRA 18:3)

MAYEV, Ye.D., inzh.

Manufacturing profile pieces of pressed products from plant
particles with synthetic binders. Sbor. inform. soob. VNIINSA
no.14:35-45 162. (MIRA 18:4

MIRONOV, V.P., kand. tekhn. nauk; DEMAKINA, G.D., inzh.; MAYEV, YE.D., inzh.

Developing the technology of producing strip and piece products
from wood wastes and other organic raw materials by the periodic
pressing method. Sbor. trud. VNIINSM no.7:48-58 '63.

(MIRA 17:11)

RIKHTER, V.G.; MAYEV, Ye.G.

New geological data on the Mangyshlak steppe. Dokl.AN SSSR 104 no.5:
761-764 0 '55. (MIRA 9:2)

1.Institut geologicheskikh nauk Akademii nauk SSSR. Predstavleno akademikom N.S.Shatskim.

(Mangyshlak Peninsula--Steppe)

RIKHTER, V.G.; GOFMAN, Ye.A.; MAYEV, Ye.G.

Study of shore lines on the floor of the Caspian Sea. Dokl. AN SSSR
135 no.6:1476-1479 D '60. (MIRA 13:12)

1. Institut geologii i rasrabotki goryuchikh iskopayemykh Akademii
nauk SSSR. Predstavleno akademikom A.L. Yanshinym.
(Caspian Sea--Submarine geology)

MAYEV, Ye.G.

Thickness of recent deposits and rate of sediment formation in
the southern part of the Caspian Sea. Okeanologiya 1 no.4:658-663
'61. (MIRA 14:11)

1. Institut geologii i razrabotki goryuchikh iskopayemykh.
(Caspian Sea--Sedimentation and deposition)

MAYEV, Ye. G.

Stratigraphy of deep-sea deposits in the Southern Caspian. Dokl.
AN SSSR 136 no.6:1428-1431 F '61. (MIRA 14:3)

1. Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR.
Predstavleno akademikom D. N. Shcherbakovym.
(Caspian Sea-- Sediments (Geology))

LANEV, Ye.G.

Manifestations of compressional folding in the floor of the
southern Caspian. Dokl. AN SSSR 137 no. 1:146-149 Kr-ap '61.
(116: 14:2)

1. Institut geologii i razrabotki goryuchikh iskopayemk.
Akademii nauk SSSR. Predst. vleno akademikom D.I. Shcherbakovym.
(Caspian Sea--Submarine geology)

SOLOV'YEV, V.F.; MAYEV, Ye.G.; YUNOV, A.Yu.

Manifestations of mud volcanism in the deep section of the southern Caspian. Dokl. AN SSSR 140 no.5:1163-1166 0 '61.
(MIRA 15:2)

1. Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR. Predstavleno akademikom D.I.Scherbakovym.
(Caspian Sea--Mud volcanoes)

KLENOVA, Mariya Vasil'yevna; SOLOV'YEV, Vladimir Filippovich;
ALEKSINA, Iya Aleksandrovna; VIKHRENKO, Nina Makarovna;
KULAKOVA, Lidiya Sergeevna; MAYEV, Yegor Georgiyevich;
RIKHTER, Vladislav Gavrilovich; SKORNYAKOVA, Nadezhda
Sergeevna; ZENKOVICH, V.P., otv. red.; LEONT'YEV, O.K.,
red. izd-va; IADYCHUK, L.P., red. izd-va; GUS'KOVA, O.M.,
tekh. red.

[Geology of the subsurface slope of the Caspian Sea]Geolo-
gicheskoe stroenie podvodnogo sklona Kaspiiskogo moria.
[By] M.V.Klenova i dr. Moskva, Izd-vo Akad. nauk SSSR,
1962. 636 p. (MIRA 15:9)

(Caspian Sea--Geology)
(Caspian Depression--Geology)

MAYEV, Ye.G.

Post and Upper Khvalynian deposits in the southern part of the
Caspian Sea. Izv.AN SSSR.Ser.geol. 27 no.8:49-59 Ag '62.
(MIRA 15:8)

1. Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR,
Moskva.

(Caspian Sea—Deep-sea deposits)

MAYEV, Ye.G.; LEBEDEV, L.I.

New data on the Post-Khvalynian regression of the Caspian Sea. Okeanologia 3 no.1:71-75 '63. (MIRA 17:2)

1. Institut geologii i razrabotki goryuchikh iskopayemkh AN SSSR.

LEBEDEV, L.I.; MAYEV, Ye.G.

Quaternary sediments of the Apsheron sill in the Caspian Sea.
Dokl. AN SSSR 151 no.5:1164-1167 Ag '63. (MIRA 16:9)

1. Institut geologii i razrabotki goryuchikh iskopayemykh.
Predstavleno akademikom D.I.Shcherbakovym.
(Caspian Sea--Submarine geology)

MAYEV, Ye.G.

Submarine landslides and sediments of suspensive flows on
the bottom of the Caspian. Okeanologiya 4 no.2:305-310 '64.
(MIRA 17:5)

1. Institut geologii i razrabotki goryuchikh iskopayemykh.

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