

L 37077-66 SMT(d)/E LJP(c)

ACC NR: AP6012557

SOURCE CODE: UR/0010/66/030/002/0379/0387

AUTHORS: Mishiku, M. (Bucharest); Teodosiu, K. (Bucharest)28
B

ORG: none

TITLE: Solution of the static plane problem of the theory of elasticity for heterogeneous isotropic bodies with the help of the theory of complex functions

SOURCE: Prikladnaya matematika i mekhanika, v. 30, no. 2, 1966, 379-387

TOPIC TAGS: elasticity theory, motion mechanics, *complex function*

ABSTRACT: A method is presented for solving the plane static problem of the theory of elasticity for heterogeneous bodies, by successive approximations based on transformations of the type proposed by N. I. Muskhelishvili (Nekotoryye osnovnyye zadachi matematicheskoy teorii uprugosti. Izd. 4-o. M., Izd-vo AN SSSR, 1954) and on conformal transformations. After presenting the equations of quasi-static equilibrium, geometric relationships, and visco-elastic equations in the form

$$\sigma_{ij,j} + X_i = 0, \quad \epsilon_{ij} = 1/2(u_{i,j} + u_{j,i}), \quad \epsilon_{ij} = \epsilon_{ij} \cdot dG_i, \quad \sigma_{kk} = (\epsilon_{kk} - 3\alpha T) \cdot dG_k$$

$$\epsilon_{ij} = \sigma_{ij} - 1/\nu \sigma_{kk} \delta_{ij}, \quad \epsilon_{ij} = \epsilon_{ij} - 1/\nu \epsilon_{kk} \delta_{ij}$$

the two basic boundary problems are formulated in the form

$$\frac{\partial^2 G}{\partial z^2 \partial \bar{z}} + \operatorname{Re} \left(2A_1 \frac{\partial^2 G}{\partial z \partial \bar{z}} + 2A_2 \frac{\partial G}{\partial z} + A_3 \frac{\partial G}{\partial \bar{z}} \right) = 2f(z, \bar{z})$$

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and

$$\frac{\partial}{\partial \bar{x}} \left[\frac{\mu}{\kappa-1} \left(\frac{\partial U}{\partial \bar{x}} + \frac{\partial \bar{U}}{\partial \bar{x}} \right) \right] + \frac{\partial}{\partial \bar{x}} \left(\mu \frac{\partial U}{\partial \bar{x}} \right) = P(x, \bar{x}), \quad P(x, \bar{x}) = \frac{1}{2} \frac{\partial}{\partial \bar{x}} (\kappa T) - \frac{1}{4} (X+Y)$$

with boundary conditions

$$G(s) = 1 \int_0^s (\sigma_{xx} + i\sigma_{xy}) dz + \int_0^s \overline{M(\bar{s})} \overline{V(\bar{s})} d\bar{s} + c = H(s) \quad (s = \text{const})$$

and $U(s) = u(s) + iv(s)$, respectively. Conformal transformation and the method of successive approximations in solving these equations are discussed. The procedure is demonstrated for a circular body uniformly loaded in the radial direction. Orig. art. has: 2 figures, 59 formulas, and 1 table.

SUB CODE: 20, 12/ SUBM DATE: 12Nov65/ ORIG REF: 003/ SOV REF: 004/ OTH REF: 005

ms
Card 2/2

TESEI, C.
SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Farmacia, Vol IX, No 9, Sep 1961, pp 513-

Data: "Theoretical Considerations on the Electrophoretic Method of Analysis."

Authors:

APRED TESEI, C., -Farm. Dr.-

TEODOSIU, M., -Pharmacist.-

GPO 981643

~~TEODOSIU, M.~~

TEODOSIU, M.

PINA IA

APROBARE, C., MD, Pharmacologist; TEODOSIU, M., Pharmacist

Abstract, Armadia, No 1, Jan 69, pp 3-17.

"Vitamin B12 — Biochemical and Therapeutical Action."

1/1

RUMANIA

616.981.71

GRADU, Mariana, SARATEANU, D., ~~TEODOSIU, Otilia~~, and POPESCU, Georgeta, of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania.)

"The Identification of Some Inframicrobic Strains Isolated from Amicrobic Urethrites."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 6, 66, pp 473-477.

Abstract: The authors attempted to identify the strains isolated from amicrobic urethrites by means of immunofluorescence, serum neutralization, complement fixation and microagglutination. On the basis of these reactions they classify the strains isolated from the amicrobic urethrites as members of the perarickettsial group, TRIC subgroup.

Includes one table and 22 references, of which one Rumanian, 3 French and 18 English-language. -- Manuscript submitted 6 September 1966.

1/1

LONGHIN, S., prof.; TEODOSIU, Tr.; BIBESCU, Ion; BART, J.

Therapeutic value of chlorofungin (8-oxyquinoline hydrochlorate).
Rumanian M. Rev. 3 no.4:44-46 O-D '59.

1. Clinic of Dermatovenereology, Berceni.
(MYCOSES, therapy)
(QUINOLINES, therapy)
(FINGICIDES, therapy)

LONGHIN, S., prof.; TEODOSIU, T.

The biological treatment of dermatomycoses. Rumanian M Rev. no.3:
51-54 J1-S '60;

(DERMATOMYCOSIS therapy) (VACCINE THERAPY)

L 29254-66

ACC NR: AP6019359

SOURCE CODE: RU/0012/65/061/006/0909/0920

AUTHOR: Gurau, C. (Colonel; Doctor); Weissman, D. (Lieutenant colonel; Doctor); Teodosiu, Tr. (Major; Doctor) 27
B

ORG: none

TITLE: Functional radiography, a dynamic method of study in disk pathology 22

SOURCE: Revista sanitara militara, v. 61, no. 6, 1965, 909-920

TOPIC TAGS: pathology, bone, radiography, skeletal mechanics

ABSTRACT: The authors aim at an objective functional study of the cervical column, using radiography adapted to the specific anatomical and physiopathological conditions of this segment to check on the static and dynamic vertebral pressures on the intervertebral disks as an extremely important element in vertebral pathology. The technique, interpretation and value of the radiographic examination are discussed in some detail. Orig. art. has: 11 figures. [JPRS]

SUB CODE: 06, 14 / SUBM DATE: 27Aug65 / ORIG REF: 001 / OTH REF: 004
SOV REF: 002

Card 1/1 CC

TEODOSIYEV, L.S.

Extrarenal hyperazotemia in acute febrile diseases. Sov.med.
26 no.7:11-15 J1 '62. (MIRA 15:11)

1. Iz kafedry propedevtiki vnutrennikh bolezney Vysshego
meditsinskogo instituta imeni I.P.Pavlova, Plovdiv, Bolgariya.
(NITROGEN IN THE BODY) (FEVER) (KIDNEYS)

TEODOSIYEV, L.S.; KASNAKOV, I.I. (Bolgariya)

Case of toxic renal lesions due to sulfathiazole. Klin.med.
40 no.6:138-139 Je '62. (MIRA 15:9)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof.
A. Mitov) pri vysshem meditsinskom institute imeni I.P. Pavlova
i voyennogo gospitalya (glavnyy vrach V. Penkov) v gorode
Plovdive.

(SULFATHIAZOLE—TOXICOLOGY) (KIDNEYS—DISEASES)

TEODOSIYEV, L.S.

Case of combined alkagimonia and cardiac pathology. Sov. med.
28 no.8:135-136. Pg 135. (MHA 10:8)

1. Kafedra vnutrennikh bolezney (zav. - prof. A.Mitov) Vysshago
meditsinskogo instituta imeni Pavlova, Plovdiv, Bolgariya.

TEODOSIYEV, Lyubomir St.

Problem of the so-called extrarenal hyperazotemia in pneumonia; experimental research. Arkh. Pat. 25 no.6:53-57 '63. (MIRA 17:1)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof. A. Mitov) pri Vysshem meditsinskom institute imeni I.P. Pavlova, Plovdiv, Bolgariya.

TEODOSIJEVICH, D

YUGOSLAVIA/Pharmacology and Toxicology. Tranquilizers

7-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 71109

Author : Ilich Aleksandar, Morkovich Milan, Teodosiyevich Dushan

Inst : -

Title : The Treatment of Schizophrenia with Serpasil

Orig Pub : Srpski arkhiv tselok. lekar., 1957, 85, No 9, 943-954

Abstract : 220 schizophrenic patients were treated with reserpine (R), sometimes in combination with electroshock. R produced a decrease of cessation of hallucinations and, in certain cases, of the autism and negativism. The best results were obtained in catatonia and depressive states. The combination with electroshock increased the effectiveness of the treatment; no complications were noticed. In patients with tuberculosis, R was improving both psychic and somatic conditions especially well. The symptoms of Parkinsonism developed in 33 patients who received only R, but were not observed even once in the combined treatment. These symptoms were remedied by artane without interrupting the treatment.

Card : 1/1

TEOFANOVIC, A.

Vojvodina's teleprinter contest. PTT Zajed 6 no. 2:46-47
'64.

TEOFILAK, Anna

Petrography of lias and dogger in the Paslek IG I borehole.
Kwartalnik geol 6 no.2:392-393 '62.

1. Zaklad Mineralogii i Petrografii, Instytut Geologiczny, Warszawa.

TEOFILAK, Anna

Petrography of Lias and Dogger in the Bartoszyce IG 1
borehole. Kwartalnik geol 6 no.4:733-734 '62.

1. Zaklad Mineralogii i Petrografii, Instytut Geologiczny,
Warszawa.

TEOFILAK, Anna

Petrography of the Lias and Dogger in the Goldap IG 1 borehole.
Kwartalnik geol 6 no.4:734-735 '62.

1. Zaklad Mineralografii i Petrografii, Instytut Geologiczny,
Warszawa.

TEOFILAK, Anna

Dogger clay oolites. Kwartalnik geol 9 no.1:131-136 '65.

1. Department of Mineralogy and Petrography of the Institute of Geology, Warsaw. Submitted June 27, 1964.

TEOFILOV, K., inzh.; VESELINOV, St., inzh.

Improvement in the extraction of metals from ores, reserve for the increase of labor productivity and reduction of prime cost of concentrates. Min delo 18 no.1:13-16 Ja '63.

1. N-K otdel "Obogatitelen" (for Teofilov).
2. Raionen inzhener po obogatiavane, Upravlenie "Tsvetna metalurgii i rudodobiv" (for Veselinov).

-TECFILOVA, M.

BULGARIA / General and Specialized Zoology. Insects. P
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44876

Authors : Ilkov, B.; Teofilova, M.; Tsvetkov, D.;
Tosheva, Ts.

Inst : Not given

Title : The Results of Experiments to Determine the
Fumigant Residues in the Disinfection of Medi-
cinal Plants and Dry Fruits against Warehouse
Pests.

Orig Pub : Byul. rastit. zashchita., 1957, 6, No. 1,
53-64.

Abstract : None given

Card 1/1

MILENKOVIC, S.; TEOFILOVSKI, C.; DIZDAR, Z.; BIRCANIN, Lj.

A new procedure for the production of the carrier-free ^{35}S . Bul
Inst Nucl 12:88-96 0 '61.

1. The Institute of Nuclear Sciences "Boris Kidrich," Hot Laboratory
Department, Vinca. 2. Membre of the Editorial Board and Editor,
"Bulletin of the Institute of Nuclear Sciences 'Boris Kidrich'"
(for Dizdar).

Y/001/62/000/005/002/004
D293/D302

AUTHOR: Teofilovski, Čedomir, Engineer, Senior Co-worker
(Belgrade)

TITLE: Production of artificial radioactive isotopes

PERIODICAL: Tehnika, no. 5, 1962, 837-842

TEXT: The article deals briefly with the production of radioactive isotopes in nuclear reactors and describes the achievements of the "Boris Kidrič" Institut za nuklearne nauke (Institute of Nuclear Sciences) in Belgrade-Vinča in this field. The production program of this Institute presented to the Conference on Industrial Application of Radioactive Isotopes, held in Bled from June 9 to 11, 1960, has been practically fulfilled. In the Yugoslav reactor the irradiation is carried out in vertical reactor channels. The neutron-gamma, neutron-proton and neutron-alpha reactions are used for producing radioisotopes. In 1961, the Laboratory for High Activity of this Institute made 1,929 radioactive material shipments totaling 218,446 C. The Laboratory accepts orders for the following:

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Production of artificial ...

Y/001/62/000/005/002/004
D293/D302

1) Radiographic and other Co^{60} sources of standard dimensions and up to 10 C per sample, and for reactivation of weak radiographic sources of Ir^{192} up to 20 C per sample; 2) various S^{35} and P^{32} preparations with a carrier or carrier-free, as well as J^{131} and Au^{198} preparations; 3) radiochemical radiation sources of alpha, beta and gamma emitters such as Po^{210} , S^{35} , J^{131} , P^{32} and Co^{60} ; and 4) various radioactive isotopes not chemically treated. In 1962, the Laboratory will endeavor to master the production of sterilized preparations for medical purposes containing J^{131} , P^{32} , Au^{198} , S^{35} , Na^{24} , K^{42} radioisotopes. There are 4 tables and 3 figures.

ASSOCIATION: "Boris Kidrič" Institut za nuklearne nauke (Institute of Nuclear Sciences), Belgrade-Vinča

SUBMITTED: February 13, 1962

Card 2/2

JOVANOVIC - KOVACEVIC, O.Z.; MILENKOVIC, S.M.; TEOFILOVSKI, C.M.

Concentration of ^{32}P from irradiated MgSO_4 by adsorption on metal magnesium. Bul Inst Nucl 13 no.4:1-8 D '62.

1. Hot Laboratory Department of the Boris Kidrich Institute of Nuclear Sciences, Beograd-Vinca.

TEOFILOVSKI, Cedomir, inz., visi strucni saradnik (Beograd, Zmaja od Noca ja
13/II); DIZAR, Zdenko, inz., visi naucni saradnik,

~~Production of radioisotopes at the Boris Kidric Institute of~~
Production of radioisotopes at the Boris Kidric Institute of
Nuclear Sciences, Beograd-Vinca. Tehnika Jug 19 no. 1. Suppl:
Radioizotopi zrac 3 no. 1:25-32 Ja '64.

1. Institut za nuklearne nauke "Boris Kidric", Beograd-Vinca.

TEOFILOVSKI, C.

Production of radioisotopes at the Boris Kidric Institute
of Nuclear Sciences, Vinca; abstract. Glas Hemi dr 27
no.9/10:481 '64

1. The Boris Kidric Institute of Nuclear Sciences, Hot-Lab-
ratory Department, Belgrade-Vinca.

L 3705-66

ACCESSION NR: AP5028233

YU/0020/65/000/002/0002/0009

AUTHOR: Teofilovski, Cedomir (Section chief of laboratory of high activity chemistry, Graduate engineer, Senior professional associate); Jezdic, Vojislav (Graduate engineer, Senior professional associate)

TITLE: Production of radioisotopes and labelled compounds at the Boris Kidric Institute of Nuclear Sciences

SOURCE: Nuklearna energija, no. 2, 1965, 2-9

TOPIC TAGS: radioisotope, chemical labelling, radiation chemistry, chemical research facility, nuclear physics research facility

ABSTRACT: Research associated with the production of radioisotopes was initiated in 1957. In early 1959 the hot chemistry laboratory was set up to cover the production of radioisotopes, and later the production of labeled compounds. For implementation of the program it was essential to have a number of problems solved: training of staff for work with radioisotopes at high activity levels; technology of material irradiation in the reactor; distribution of radioisotopes and labeled compounds; improvement of known and mastery of new methods for production of radioisotopes and sources of radiation requiring chemical treatment of targets; development and mastery of procedures for the production of labeled compounds;

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ACCESSION NR: AP5028233

development of a method for the chemical, radiochemical, radiometric, and pharmaceutical control of the products obtained; designing, staffing, and equipping the laboratory; and designing and building of the necessary facilities and shielding for work with radioisotopes at distance and behind the shielding. The hot laboratory produces a number of radioisotopes requiring simple treatment after irradiation in the reactor, such as dissolution of irradiated targets, filtration of the solution, etc. These include radioactive solutions with the isotopes: sup 42 K, sup 24 Na, sup 45 Ca, sup 89 Sr, etc. which were obtained from the irradiated carbonates; sup 60 Co, sup 65 Zn, sup 110 Ag obtained by irradiation of pure metals; and sup 32 P with carrier, sup 141 Ce, and sup 59 Fe produced from irradiated oxides. However, the production of radioisotopes for application in medicine and some investigations requiring a pure radioisotope of high specific activity in most cases without carrier, is more complex. Therefore, their production is associated with a number of radiochemical separations. Work was carried out to make possible a permanent synthesis of a number of labeled compounds needed for research. First, work was conducted on the chemical synthesis of sup 14C-labeled compounds, and later syntheses were initiated with sup 35S and sup 32P; now the synthesis is planned of compounds labeled with other radioisotopes such as sup 3 H, halogens, etc. Procedures were developed for the production of eighteen compounds labeled with sup 14 C, six sup 35 S-labeled compounds and five sup 32P- labeled compounds. In addition to the production of radioisotopes and labeled compounds, distribution also had to

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ACCESSION NR: AP5028233

be organized in view of the specific packing and shipment requirements for radioactive products. Orig. art. has 5 figures, 7 tables, and 1 graph.

ASSOCIATION: Institut za nuklearne nauke "Boris Kidric" (Institute for Nuclear Science "Boris Kidric")

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, GC

NO REF SOV: 001

OTHER: 011

NA

Card 3/3

TEOR, 7 R.

1. "The Discovery of the Atom," Vol. 1, No. 2, pp. 68-72.

2. "The Hypothesis of Electron Spin," PHYSICAL REVIEWS, Series II, Vol. 56, pp. 495-501.

3. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

4. "The Discovery of the Positron," PHYSICAL REVIEWS, Series II, Vol. 54, pp. 263-265.

5. "The Discovery of the Proton," PHYSICAL REVIEWS, Series II, Vol. 53, pp. 411-413.

6. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

7. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

8. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

9. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

10. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

11. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

12. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

13. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

14. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

15. "The Discovery of the Neutron," PHYSICAL REVIEWS, Series II, Vol. 55, pp. 899-901.

SECRET

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755310013-5

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755310013-5"

TEŐKÉ, G. - Vol. 4, no. 5, May 1955 Magyar Energlagazdasag

Soviet experiences in the development of heating equipment in power plants. p. 186.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

TECKE, C.

THE SEPERATION OF DUST AND DISPERSION OF FLYING ASHES IN POWER PLANTS.

p 409 (MAGYAR ENERGIAGAZDASAG) BUDAPEST, HUNGARY VOL 9 NO 11/12 NOV/DEC 1957

SO: MONTHLY INDEX OF EAST EUROPEAN ACESSIONS (AEMI) VOL 6 NO 11 NOVEMBER 1957

TEGE, R.

THE DEVELOPMENT OF OUR ELECTRIC-POWER INDUSTRY.

p 4 (MUSZAKI ELET) BUDAPEST, HUNGARY VOL. 12 NO 6 MAR 1957

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (ABET) VOL. 6 NO 11 NOVEMBER 1957

TEOKE, Geza

Certain technical and economic questions of electric power supply in the metallurgy of aluminum. Ipari energia 1 no.1/4:65-72 J1-0 '60.

1. Cs.V. Fomernok, Nehesipari Miniszterium.

TEOKE, Geza

Results of the saving contest of the electric-power industry. Musz
elet 15 no.7:10 Mr '60. (EEAI 9:7)
(Hungary--Electric power)

ТЕОДНАРОВ, А.

"Determining the defects of electric motors with constant current, motors, and generators. Vol. 5, no. 3/4, Mar./Apr. 1954, p. 36 Elektroenergiia, Sofiya

SO: Eastern European Accessions List, Vol 3, No. 11, Nov. 1954, L.C.

TEOKHAROV, Aleksandr

Some experiences from the repair of hydrogenerators. Elektro-
energija 14 no.10:19-21 0'63.

TEOKHAROV, Aleksandur

Maintenance of collectors and brushes for continuous and
alternating current electric machines. Elektroenergiia
14 no.9:26-28 S'63.

TEOKHAROV, Aleksandur

Strengthening of stator windings in generators. Elektroenergiia
14 no.7:26-27 J1 '63.

TECHKAROV, Bogdan, kl. ordinator

Bulbo-pontic form of poliomyelitis; case report. Nauch.tr.ISUL,
Sofia 2 no.2:127-136 1953.

1. Katedra po obshcha patologija i patologichna anatomia. Zav.
katedrata: Iv.Tr.Goranov.
(POLIOMYELITIS,
bulbo-pontic form, case report)

BRAILSKI, Khr., kand. na med. nauki; TEOKHAROV, B.

Hemangioendothelioma of the liver with myelogenic leukemic reaction. Suvrem.med., Sofia 6 no.7:107-112 1955.

1. Iz Katedrata po vutreshni bolesti i gastroenterologija (zav. katedrata: prof. T.Tashev) i Instituta po obsha patologija i patologichna anatomija (zav. katedrata: dots. Iv.Goranov) pri ISUL, Sofia.

(HEMANGIOENDOTHELIOMA,
liver, with leukemia, myelocytic)
(LIVER, neoplasms,
hemangioendothelioma, with leukemia, myelocytic)
LEUKEMIA, MYELOCYTIC, complications,
hemangioendothelioma of liver)

USSR / Human and Animal Morphology, Normal and Pathological. S
Pathological Anatomy.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 36061

Author : Tookharov, B.

Inst : Not given

Title : Concerning Peculiarities of a Pathological-Anatomical
Picture of the Early Stages of Intestinal Amobiasis.

Orig Pub : Arkhiv Patologii, 1956, 18, No. 7, 106-109

Abstract : The study of the early stages of ambiasis compels one to renounce the supposition that incipient necrosis is the seat of amoebic intrusion. In the early stages, necrosis is absent, although amebae may be found in the interstitial tissue of the mucosa, which, in the surrounding area, is but slightly swollen. Necrosis sets in later as a result of endotoxin elimination of the perishing amebae. -- A. M. Vilkert.

Card 1/1

TEOKHAROV, B. (Sofiya)

Pathomorphological changes in intestinal ascariasis. Arkh.pat. 18
no.8:52-55 '56. (MLRA 10:2)

1. Iz Krasnogo Kresta Provintsial'noy bol'nitsy Severnogo Pkhenyanya
Koreyskoy Narodno-Demokraticheskoy respubliki (glavnyy vrach G.Mitrov)
i Gospitalya Bulgarskogo patologoznatomicheskogo otdeleniya (sav.
B.Toekharov)
(ASCARTIASIS, pathology,
(Rus))

TEOHAROV, B. [Teokharov]

On the quantitative histochemical analysis of succindehydrogenase
in the cerebrum of rats. Doklady BAN 14 no.7:755-758 '61.

1. Submitted by Academician A. I. Hadjiolov [Khadzhiolov]

(CEREBRAL CORTEX) (RATS)

TEOHAROU, B.

- 14. P. H. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 15. H. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 16. G. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 17. W. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 18. H. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 19. H. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 20. G. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 21. H. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 22. G. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 23. H. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 24. G. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.
- 25. H. RAY, "The Assassination of Dr. King," *Journal of American Studies*, 1968, 2, 1-10.

TEOHAROV, B. [Teokharov, B.]

On the localization of the specific acetylcholinesterase in
the central nervous system. Doklady BAN 15 no.3:325-328 '62.

1. Submitted by Academician A.I. Hadjiolov [Khadzhiolov, A.I.].

TEOHAROV, B.

On the histochemical localization of the non-specific cholinesterase
in the central nervous system of rats. Dokl. bolg. akad. nauk 15 no.4:
443-446 '62.

1. Submitted by Academician A.I. Hadjiolov.
(CHOLINESTERASE) (CENTRAL NERVOUS SYSTEM)
(NEURONS) (ACETYLCHOLINESTERASE)

TEOHARCOV, E. A.

Diagnosis in gonorrhoeal and postgonorrhoeal spermocystitis, 1939 103 p.

Cyr.4 RC108

1. Seminal vesicles - Diseases
2. Gonorrhoea.

TEOKHAROV, B.A.

Case of scleroderma in adult successfully treated with penicillin.
Vest.vener. No.1:58-59 Jan-Feb 51. (CML 20:6)

1. Docent. 2. Of the Clinic of Skin and Venereal Diseases of Stalina-
bad Medical Institute (Head of Department -- L.M.Kenigsberg).

TEOKHAROV, B.A., dotsent

Trichomoniasis of male urogenital organs. Vest.ven. i derm. 30 no.5:
49-52 8-0 '56. (MIRA 9:12)

1. Iz kafedry kozhno-venericheskikh bolezney (zav. - prof. G.G.
Kondrat'yev) Omskogo meditsinskogo instituta imeni M.I.Kalinina
(dir. dotsent A.N.Kushnev)

(TRICHOMONIASIS

urogenital in males, diag. & control)

USSR / Zooparasitology. Parasitic Protozoa.

G

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 52965

Author : Teokharov, B. A.
Inst : Omsk Medical Institute.

Title : Experimental Investigation of Some Pathogenic Properties
of Trichomonas Vaginalis.

Orig Pub : Tr. Omskogo med. in-ta, 1957, No. 21, 287-292

Abstract : Pure cultures of Trichomonas were cultivated on a modified Johnson-Trassel medium: ascitic fluid and liver infusion 20% each, 2% peptone, 0.15% cysteine hydrochloride, maltose and glucose 0.5% each, 5% Tyrode's solution. With the addition of penicillin and streptomycin, 200 units each per ml. of medium, T. vaginalis does not have hemolyzing or plasmo-coagulating properties, does not form H₂S or indole, decomposes glucose, maltose and starch well, and decomposes lactose and galactose weakly; not one strain of vaginal Tri-

Card 1/3

USSR / Zooparasitology. Parasitic Protozoa.

G

Abs Jour : Ref Zhur - Biol., No 12, 1958, No52965

infections of urinogenital organs should be considered as
a mixed protozoa-bacterial infection.

Card 3/3

2

ТЕОХАРОВ, Б

ZHIVKOV, Ye.; TEOKHAROV, B. (Pkhen'yan)

Clinical & pathological aspects of retinal edema in nutritional dystrophy [with summary in English]. Arkh.pat. 20 no.2:71-76 '58.
(MIRA 11:4)

1. Iz glaznogo otdeleniya (zav. Ye.Zhivkov) i patologoanatomicheskogo otdeleniya (zav. B.Teokharov) Bol'nitsy Sev. Pkhen'yan (gospital' Bolgarskogo Krasnogo Kresta, glavnyy vrach - d-r Gerasim Mitrov)

(RETINA, dis.

edema in nutritional dystrophy, clin. & histol. pathol.)

(NUTRITION DISORDERS, pathol.

retinal edema, clin. & histol. pathol. (Rus))

TEOKHAROV, B.A., dots.

Treatment and prevention of trichomoniasis of the urogenital organs.
Sov.med. 22 no.5:100-103 My '58 (MIRA 11:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. G.G. Kondrat'yev) Omskogo meditsinskogo instituta imeni M.I. Kalinina (dir. - prof. I.S. Novitskiy).

(TRICHOMONIASIS

urogenital, in women, prev. & ther. (Rus))

(VAGINITIS, TRICHOMONAS, prev. & control
conjugal (Rus))

EXCERPTA MEDICA Sec 4 Vol 12/11 Med. Micro. Nov 59

3821. PURE CULTURES OF TRICHOMONAS VAGINALIS (Russian text) -
Teokharov B. A. - MED. PARAZIT. I PARAZIT. BOL. 1958, 27/6 (708-
710) Graphs 1 Tables 1

To obtain bacteria-free cultures of *Trichomonas vaginalis* a medium is suggested comprising 20% liver infusion, 20% ascitic fluid, 20% peptone, 0.15% muriatic cysteine, 0.3% maltose, 0.3% glucose, 57% Tyrode solution with the addition of penicillin and streptomycin 200 U. to every ml. of the medium. The medium may be liquid, semiliquid, with 0.1% agar, and solid with 3% agar. Subcultures are effected every 3-4 days. Sixty strains were isolated in pure culture. All strains were devoid of haemolytic and plasma-coagulating properties. They did not produce indole nor hydrogen sulphide; they decomposed glucose, maltose and starch with the formation of acid and gas. Some strains decomposed galactose and lactose, but only feebly. The characteristic 'carbohydrate series' may be used in the de-
(IV, 10)

TEOKHAROV, B.A., dots.

Resistance of *Trichomonas vaginalis* to certain factors of the external environment. Vest.derm. i ven. 32 no.5:53-59 S-0 '58 (MIRA 11:11)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. G.G. Kondrat'yev) Omskogo gosudarstvennogo meditsinskogo inistituta imeni M.I. Kalinina (dir. - prof. I.S. Novitskiy).

(VAGINITIS, TRICHOMONAS, mibrobiol.

Trichomonas vaginalis, resits. to factors of external environment (Rus))

(TRICHOMONAS,

vaginalis, eff. of various environmental factors on viability (Rus))

TEOKHAROV, B. A., Doc Med Sci (diss) -- "The epidemiology of trichomoniasis of the urogenital organs, and problems of the pathogenicity of vaginal trichomonads". Leningrad, 1959. 27 pp (Leningrad State Order of Lenin Inst for the Advanced Training of Physicians im S. M. Kirov), 300 copies (KL, No 12, 1960, 129)

TEOKHAROV, Boris Antonovich

[Trichomoniasis of the urogenital organs] Trikhomoniaz moche-
polovykh organov. Moskva, Medgiz, 1960. 17 p. (MIRA 13:8)
(TRICHOMONIASIS)
(GENITOURINARY ORGANS--DISEASES)

TEOKHAROV, B. A., dok. med. nauk

Treatment of trichomoniasis of the urogenital organs in women.
Vest. dermat. i ven. no.10:52-57 '61. (MIRA 14:12)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
G. G. Kondrat'yev) Omskogo meditsinskogo instituta imeni M. I.
Kalinina (dir. - prof. I. S. Novitskiy)

(TRICHOMONIASIS) (GENITOURINARY ORGANS—DISEASES)

TEOKHAROV, B. A., doktor med. nauk

Nature and epidemiology of condylomatosis acuminatum. Vest. dermat. i ven. no.2:51-56 '62. (MIRA 15:2)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - doktor meditsinskikh nauk B. A. Teokharov) Omskogo meditsinskogo instituta imeni M. I. Kalinina (rektor - prof. I. S. Novitskiy)

(GENERATIVE ORGANS.—DISEASES)

TEOKHAROV, B.A., prof. (Oesk)

Terminology of diseases caused by *Trichomonas vaginalis*.
Vest. dermat. i ven. 36 no.10:62 0'62 (MIRA 16:11)

*

TEOKHAROV, B.A., prof.

Source and route of Trichomonas vaginalis infection. Akush. i gin.
38 no.5:85-89 S-0 '62. (MIRA 17:11)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. A.B. Gillerson)
i kafedry kozhnykh i venericheskikh bolezney (zav. - prof. G.G. Kor-
drat'yev) Omskogo meditsinskogo instituta imeni M.I. Kalinina.

TEOKHAROV, B.A., prof.; ANIKIN, A.F.; KLINYSHKOVA, V.M.

Experience with peroral therapy of utrogenital trichomoniasis
with flagyl. Vest. dermat. i ven. 37 no.7:62-66 J1'63
(MIRA 16:12)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof.
B.A. Teokharov) Omskogo meditsinskogo instituta imeni M.I.
Kalinina.

TEOKHAROV, B.A., prof.

Classification of diseases contracted through sexual contact.
Vest. dermat. i ven. 38 no.4:55-64 Ap '64.

(MIRA 18:4)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. B.A.
Teokharov) Omskogo meditsinskogo instituta imeni Kalinina.

TECKHAROV, B.A., prof.

Treatment of urogenital trichomoniasis. *Akuan. i gin. 49 no.51*
89-93 S-O '64. (MIRA 18:5)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. -- prof. B.A.
Tookharev) Omskego meditsinskogo instituta Kalinina.

TEOKHAROV, B.P.

Histochemical studies of the changes in the activity of some enzymes in the central nervous system during electric shock. Zhur. nevr. i psikh. 62 no.4:579-584 '62. (MIRA 15:5

1. Gistokhimicheskaya laboratoriya (zav. B.P.Teokurov) Nauchno-issledovatel'skogo psikhonevrologicheskogo instituta (dir, G.Ganev), Sofiya.
(NERVOUS SYSTEM) (ELECTRIC SHOCK) (ENZYMES)

LIPPONEN, V.I., gornyy inzh.; TEOKHAROV, N.B., gornyy inzh.; TSOY, V.Ch.,
gornyy inzh.

Attachment for balancing parts. Gor. zhur. no.5:69 My '63.
(MIRA 16:5)

(Balancing of machinery)

TEOKHAROV, Veselin, inzh.

The line production in the complex mechanized ground works.
Khidrotekh i melior 7 no.3.86-88 '62.

TEOKHAROV, Veselin, inzh.

Earthmoving machinery for irrigation engineering. Khidtotekh 1
melior 8 no.7:221 '63.

TEOKHAROV, Veselin, inzh.

Application of prefabricated parts in the irrigation construction. Khidrotekh i melior 8 no.9:285-286 '63.

TEOKHAROV, Veselin, inzh.

State and prospects of a complex mechanized execution of
earthwork in the building of dwellings. Stroitelstvo 10
no.5:1-4 S-0'63.

TEOZHAROV, Vsevolod, inzh.

Expedient layout of excavated basements in excavating basements for buildings. Stroitelstvo II no.1:3-6 Ja '64.

TECHKAROV, Veselin, inzh.

Complexly mechanized earthwork processes in housing construction,
and new techniques for their execution. Tekhnika Bulg 13 no.4:
9-11 '64.

IVANOV, N.; TEOKHAROVA, M.; CHILINGIROV, V.; LAZAROV, D.

Experience in epidemiological testing of pertussis vaccine. Nauch.
osn. proizv. bakt. prep. 10:64-68 '61. (MIRA 18:7)

1. Institut epidemiologii i mikrobiologii, Sofiya.

ANDONOV, P.; TEOKHAROVA, M.; BRADVAROVA, I.; KARACHOLEV, I.; SHUMKOV, G.;
STOYANOV, N.

Study of the etiology of infectious hepatitis. Vop.med.virus.
no.9:16-23 '64. (MIRA 18:4)

BULGARIA/Microbiology. Hemoglobinophilic Bacteria 2-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 62394

Author : Manolov D.G., Teokhareva M.M., Nedyalkov St.
Inst : Republica! Scientific Research Institute of
Epidemiology and Microbiology

Title : Practice in Obtaining Hyperimmune Antipertussis
Sera from the Buffalo.

Orig Pub : Tr. Respubl. n.-i. in-t epidemiol. i mikrobiol.,
1956, 3, 107-113

Abstract : No abstract

Card : 1/1

USSR/General Problems of Pathology. Neoplasms.

U

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37217.

Author : Abasov, I. T., ~~Teoliakova, G. V.~~

Inst :

Title : Investigation of Iron Metabolism with Radioactive
Atoms in Neoplastic Disease.

Orig Pub: Azerb. tıbb, zh., 1957, No 4, 8-11.

Abstract: No abstract.

Card : 1/1

TEOLOGOV, Anatoliy Vasil'yevich; STROPYATOV, Aleksandr Konstantinovich;
LISAGOROVSKIY, B.P., redaktor; SERGEYEVA, N.A., redaktor izdatel'-
stva; GUROVA, O.A., tekhnicheskiy redaktor

[Geodesy with the elements of mine surveying] Geodeziia s osnovami
marksheiderii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol.
i okhrane neдр, 1955. 277 p. (MLRA 9:8)
(Geodesy) (Mine surveying)

IONESCU, Nicon, dr.; GEORGESCU, Elvira, dr.; TEORDONESCU, E., dr.; GEORGESCU, C.,
dr.; TOADER, Gh., dr.

Critical considerations on the dysproteinemia tests, with special reference
to the Sellek-Frade reaction. Med. intern. 3:359-364 Mr '62.

1. Lucrare efectuata in Spitalul din Tr. Magurele.

(BLOOD PROTEINS) (LIVER DISEASES diagnosis)
(TUBERCULOSIS, PULMONARY diagnosis) (ARTHRITIS, RHEUMATOID diagnosis)
(NEOPLASMS diagnosis) (CORONARY DISEASE diagnosis)

TEODORESCU, P., prof.; TEODOREANU, T., dr.; SAVULESCU, V., dr.; ANDRONACHE, I.,
dr.; CIOACA, F., dr.

The clinical study and methodological aspects of the sequelae of
epidemic hepatitis in a community. Med. intern. 15 no.3:287-293
Mr '63.

1. Lucrare efectuata in Clinica medicala a Spitalului "Bernat Andrei"
(director: prof. P. Teodorescu). (HEPATITIS, INFECTIOUS) (DIAGNOSIS)

JIANU, Iancu, prof.; NITESCU, I.I., prof.; SCHIAU, S.; PAPAZIAN, R.;
STOICA; GIOSAN, E.; CORLATEANU, G.; BROSTEANU, R.; TEORDORINI, Sanda

The functional value of atrium diverticula as "ultimum moriens" of
the heart. Some aspects of the resuscitation problem with description
of an apparatus. Rumanian M Rev. no.1:175-179 Ja-Mr '61.

(RESUSCITATION equipment and supplies)

(HEART ARREST therapy)

(HEART SURGERY complications)

GEORGESCU, Miron; DOBREANU-ENESCU, Viorica; TEORDORINI, Sanda; POPESCU, G.;
IOTA, C.G.

Hypertensive regulatory disorders in conditions of mental and physical
overstimulation. II. Therapeutic results obtained in this type of
regulatory disorder with guanethidine (ismelin, Ciba). Stud. cercet.
med. intern. 3 no.4:515-523 '62.

(EXERTION) (SPORTS) (AUTONOMIC DYSFUNCTION)
(HYPERTENSION) (GUANETHIDINE)

RUCKENSTEIN, E.; TEOREANU, I.

On heat of mass transfer between particles and fluid in a fluidized
bed. Rev chimie 5 no.2:259-272 '60. (EEAI 10:4)
(Heat) (Mass transfer) (Particles) (Fluidization)

RUCKENSTEIN, E.; TEOREANU, I.

On heat or mass transfer between the fluidizing agent and the solid particles of the fluidized bed. Studii cerc fiz 11 no.1:117-128 '60.

(EPAI 10:1)

(Heat) (Solids) (Fluidization) (Mass transfer)

R/003/60/011/012/001/002
A125/A126AUTHOR: Teoreanu, I.

TITLE: On the gas fluidization of a layer of solid particles

PERIODICAL: Revista de Chimie, v. 11, no. 12, 1960, 691 - 694

TEXT: The structure of the fluidized layer has been examined by several researchers. P. J. Backer and P. M. Heertjes (Ref. 2) determined the presence of three zones in the gas fluidized layer. The author of subject article establishes an equation of the gas fluidized layer for moderate gas speeds, by using the basic idea developed in (Ref. 3). He first establishes the equations of the time \tilde{t} , needed by the gas bubbles to pass through the operation zone. Starting then from the idea that in case of gas fluidization the solid particles form "packages", characterized by a fraction of cavities ϵ_p , and that a part of the gas penetrates through the layer in the form of bubbles, he derives the equation of the gas fluidized layer: $(\xi - \epsilon_p) = \frac{1 - \epsilon_p}{\tilde{u}} (W - W_f)$ (8), in which ξ = the fraction of cavities of the operation, ϵ_p = the fraction of cavities in the packages of the particles, \tilde{u} = the speed of the gas bubbles in the operation zone, W = the speed of the gas in the fluidized layer, and W_f = the speed of gases which

Card 1/2

On the gas fluidization...

R/003/60/011/012/001/002
A125/A126

flow through the particle packages. On the basis of this relation, the conditions $\epsilon_p = \epsilon_{min}$, $W_f = W_{min}$ (9) are satisfied. Graphical representations obtained for layers formed by different materials confirm the conclusions expressed by (9). Thus, the particle packages remain non-expanded at an increase of the gas discharge, in relation to the above mentioned speed. An increase of the gas discharge passing through the layer leads to an increase of the non-homogeneity of the layer. At high speeds, the particle packages do expand. The transition moment from one field to the other is characterized by a certain value of the fluidization speed, depending on the diameter of the solid particles and the diameter of the column in which the fluidization is accomplished. The motion speed of gas bubbles in a fluidized layer is closely connected to the viscosity of the layer, the mixture of solids and gas in the layer, and the intensity of the processes in the fluidized layer. The degree of non-homogeneity of the layer can be computed by $\eta = \frac{\epsilon - \epsilon_p}{\epsilon(1 - \epsilon_p)}$ (11) or $\eta = \frac{\epsilon - \epsilon_{min}}{(1 - \epsilon_{min})}$ (11'). There are 2 figures,

1 table and 4 references: 2 English, 1 Rumanian and 1 Soviet.

Card 2/2

TEOREANU, I.

Considerations about the hardening of binding matter. Bul Inst
Politeh 25 no.3:27-32 My-Je '63.

1. Silicats's Chemistry Chair, the Polytechnic Institute of
Bucharest.

RUKENSHTEYN, E. [Ruckenstein, E.]; TEOREANU, I.

Process of mixing in a fixed or fluidized bed. Zhur. prikl.
khim. 36 no.11:2426-2432 N '63. (MIRA 17:1)

1. Politeknicheskiy institut, Bukharest.

TEORYANU, I. [Teoreanu, I.]

Transmission of heat gas particles in modern clinker ovens. Rev
electrotechn energet 9 no.3:439-447 '64

TEOS, Kostas.

Thunder of the approaching storm. Vsen. prof.dvizh. no.12:29-31
D '55. (MIRA 9:4)

1.Sekretar' izbrannogo rukovodyashchego organa Konfederatsii truda
Gretsii (v nastoyashcheye vremya Teos nakhedit'sya v izgnanii).
(Greece--Trade unions)

USSR/Pharmacology and Toxicology. Narcotics

V-1

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 71044

Author : Teoste M.

Inst : AS EstSSR

Title : On the Changes of the Amount and Acidity of Gastric Juice
in Dogs During Slow Introduction of Some Hypnotics ENSV
Teaduste Akad. toimetised. Biol. seer., Izv. AN EstSSR, Ser.
biol., 1957, 6, No 4, 343-354

Abstract : The changes of gastric secretion following the introduction
of luminal (5-30 mg./kg.), barbaryl (10-60 mg/kg) and
chloral hydrate (200 mg/kg), were studied on 6 dogs with
isolated miniature stomachs, and on one esophagotomized dog.
Hypnotics (H) were introduced subcutaneously or per os, once
a day, during 1-4 weeks. Under the influence of any H
whatever, independently from the mode of its introduction,
the amount of gastric juice increased by 50-100 percent, and
the total acidity and content of free HCl increased up to
100 percent in all dogs. Normalization of the gastric sec-
retion after discontinuation of H occurred during a period

Card : 1/2

USSR/Human and Animal Physiology. Digestion. The Stomach.

T-7

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55715.

Author : Kyner-Kingissep, E. G., ~~Teoste, M. E.~~

Inst : Academy of Sciences USSR.

Title : Changes of the Secretary Activity in Gastric Glands
Effected by Prolonged Administration of Carbaturates.

Orig Pub: V.sb.: Probl. fiziol. tsentr. nervn. sistemy, M.-L.,
AN SSSR, 1957, 309-317.

Abstract: The daily internal administration of luminal (pheno-
barbital) (in a dose of 20 mg/kg) and of barbanil
(in a dose of 30 mg/kg) for 14-28 days one hour before
feeding to dogs with the ventricle of Pavlov or of
Geydengayn [Heidenhain], increased the gastric juice
secretion, as well as the acidity of the juice with
respect to food irritants. Small doses of luminal

Card : 1/2

100

TEOSTE, M.E., Cand Med Sci -- (diss) "Concerning
changes in the secretory activity of the stomach of
dogs *under prolonged administration* ~~in the case of lengthy introduction~~ ^{of} narcotics."
Tartu, 1958, 23 pp (Tartu State Univ) 200 copies
(KL, 29-58, 138)

- 131 -

LEMNE, M.; TEPAC, I. (Bucuresti)

The absolute age of the earth. Natura Geografie 16 no. 2:
30-37 Mr-Apr '64.

L 38946-66

ACC NR: AP6029607

SOURCE CODE: RU/0024/65/000/005/0035/0040

AUTHOR: Lemne, M. (Geologist; Bucharest); Tepac, I. (Geologist; Bucharest)

ORG: none

41B

TITLE: Radioactivity and terrestrial heat

SOURCE: Natura. Seria geografie-geologie, no. 5, 1965, 35-40

TOPIC TAGS: radioactivity effect, earth radiation, earth thermodynamics, solar radiation

ABSTRACT: The authors combine arguments from the technical literature of many countries to support their conclusion that radioactivity is a principal source of terrestrial heat. The argument is based on these points: heat from the sun is not felt at depths beyond 20 meters; heat from the interior of the earth (if its origin was as a part detached from the sun) should have been exhausted after about 40 million years, while current estimates of the earth's age are much higher than this; and there exist huge quantities of widely distributed radioactive substances in the interior of the earth. Orig. art. has: 3 tables. [Based on authors' Eng. abst.] [JPRS: 33,542]

SUB CODE: 08, 03 / SUBM LATE: none / SOV REF: 004 / OI# REF: 004

Card 1/1

C917

2705

SOV/124-58-8-8974

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 94 (USSR)

AUTHOR: Tepaks, L.A.

TITLE: The Boundary Conditions of Turbulent Flow Over Rough Surfaces (Granichnyye usloviya turbulentnogo potoka pri obtekanii sherokhovatykh stenok)

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1956, Vol A, Nr 78, 28 pp, ill.

ABSTRACT: The author examines certain transformations of the well-known relationships for the motion of the flow within the boundary layer next to a conduit surface of a generally turbulent flow within said conduit, which relationships are based on a formal substitution in the viscosity term of the turbulent viscosity ϵ . A comparison is made of the various empirical formulae for calculating the resistance offered by smooth and rough conduits, and the possibility is examined of deriving the rough-conduit formulae from the smooth-conduit formulae, it being assumed that in the case of a rough conduit, the quantity ϵ , 1) remains constant within the confines of the thin boundary layer next to the conduit surface, and 2) is determined

Card 1/2

SOV/124-58-8-8974

The Boundary Conditions of Turbulent Flow Over Rough Surfaces

by the dynamic velocity of the flow and the geometric dimensions of the protuberances constituting the roughness. On the basis of the experimental data available the author analyzes the dependence of the resistance and turbulent viscosity on the roughness. Bibliography: 12 references.

B.A. Fidman

Card 2/2

124-58-6-6889

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 91 (USSR)

AUTHOR: Tepaks, L.A.

TITLE: The Hydraulic Resistance During Turbulent Filtration (Gidravli-cheskoye soprotivleniye pri turbulentnoy fil'tratsii)

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1956, Vol A, Nr 81, 20 pp, ill

ABSTRACT: Starting from the premise that the "formulation of a law govern-
ing the resistance on purely theoretical grounds presents a
problem that is not likely to be solved", the author tries to work
out a semiempirical expression in criterial form. It is stated
that the results of numerous experiments on filtration may be
expressed in the form of

$$p' R' = A' + \sqrt{B'} \sqrt{p'} R' \tag{1}$$

where

$$p' = \frac{gfi}{w^2}, \quad R' = \frac{wl}{\nu}, \quad \text{and } (?) = \frac{m}{1-m} r,$$

Card 1/2 where l is the hydraulic radius of the pores, m is the porosity.