

M. Z. Zhur, Sofia

Category : BULGARIA/Atomic and Molecular Physics - Gases D-7

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 914

Author : Khristov, Khr., Nikolov, H.

Title : Determination of Certain Probabilities and Average Values Pertaining to Impacts and to Free Paths Gas Molecules.

Orig Pub : Izv. b"lgar. AN Otd. fiz.-Matem. i tekhn. n., ser. fiz., 1955, 5, 27-36

Abstract : The author determines the probability $P(u, v) dt dv$ that a gas molecule moving with a given velocity u will experience within a short time interval dt an impact from another molecule, so that its molecule will lie after the impact in the interval $v, v + dv$. The gas molecules are assumed to be ideally smooth spheres with no interaction force between them except for the elastic impact forces, and that the gas medium is macroscopically stationary and has a given constant temperature T and density n (number of molecules per unit volume). The result is as follows:

$$P(u, v) \cdot dt dv = \frac{\pi a^2}{\sqrt{2\pi} c} C^{-\frac{(u-v)^2}{c^2}} dt dv \quad (u = v - u)$$

where a is the diameter of the molecule, $c = \sqrt{2kT/m}$ (m is the mass of the molecule, k is the Boltzmann constant) — is a measure of the average molecule

Card : 1/2

Category : BULGARIA/Atomic and Molecular Physics - Gases

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Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 914

velocity, and n^* is the gas density at a distance a from the center of any of its molecules. Using the Bogolyubov method, an expansion $n^* = n [1 + (5\pi/16) a^3 + \dots]$ is derived for n^* . Certain applications of the above equations are given. Exact expressions are derived for the probability that a molecule will receive an impact in the interval dt regardless of the velocity after impact, and that the duration and the length of the mean free path of the molecule will be contained in a given interval. The author also establishes the average number of impact per unit time in a unit volume, the average duration and the mean free path for any gas density. The probability $P(u,v) dt dv$ is also of importance in the solution of several problems in the theory of fluctuation in gases.

Card : 2/2

NIKOLOV, N.A.

Handwritten mark

✓ *Christov, Ch.* und *Nikolov, N.* Bemerkung über die
 und Wörterverzeichnis in Bezug auf die Zusammenhänge und
 die *Wörterverzeichnis der Zusammenhänge* in *Bulg.*
 Akad. Nauk. *Ord. Viz. Mat. Tehn. Nauk. Ser. Fiz.*
 8 (1955), 36a-36b. (Bulgarian - Russian and German
 summaries)

1-F

NIKOLOV, N.A. (Sofia)

Some notes on infrared spectroscopy. Mat 1 fiz Bulg 5 no.4:9-15
Jl-Ag '62.

Country :Bulgaria
Category :Human and Animal Physiology, The Nervous System
Abs. Jour. :Ref Zhur Biol, No. 2, 1959, No. 8495
Author :Nikolov N.A.; Mitov I.P.; Kharizanova, M.S.
Institution :The Medical Inst. of the Bulgarian Acad. of Sciences
Title :A Biochemical and Physiological Investigation of Avitaminosis C in Connection with its Effect on Higher Nervous Activity.
Orig Pub. :Izv. Med. in-ti Bolg. AN, 1956, 13, 213--237
Abstract : A gradual (over a period of 30--40 days) reduction in the levels of ascorbic acid in the blood, brain, heart, liver, and adrenals was observed in 17 guinea pigs from whose diet vitamin C had been excluded. In conjunction with the development of avitaminosis of several days duration, signs of increased cortical excitability were noted (shortening of the latent period of motor-alimentary conditioned reflexes, a decrease in the time taken to run to the food), which clearly preceded the clinical manifestations of disease. Subsequently there
Card: 1/2

NIKOLOV, N.A.

Effect of cortisone on central nervous system of dogs
N. A. Nikolov (1954) - *Physiol. (USSR)* 1954, 1: 10-12
Zhen. S.S.S.R. 42, 1954, 1: 10-12. Cortisone, 10 mg/kg, raises the ability of the cerebral cortex to be stimulated
in dogs and to inhibit the conditioned reflexes. The effect is
more pronounced in dogs with a high level of conditioning.
animals. Conditioned reflexes are selected for recording in
G. M. Kuznetsov

1

Country : Bulgaria T
Category : Human and Animal Physiology, Thermoregulation
Doc. Num. : Ref Zhur - Biol., No. 2, 1959, No. 7871
Author : Mitev.I.P.; Nikolov.N.A.
Instit. : --
Title : The Effect of Artificial Hypothermia on the
Ascorbic Acid Content of Guinea Pig Organs.
Orig. Pub. : Izv. Otd. biol. i med. n. Bolg. AN. Ser. eks-
perim. biol. i med., 1958, No. 4, 87--91
Abstract : The ascorbic acid content of the adrenals,
brain, heart, liver and striated muscle of
the experimental guinea pigs was lower than
the corresponding amount in the control ani-
mals.

Card: 1/1

NIKOLOV, N.A.

The effect of prolonged administration of ACTH on the unconditioned reflex of salivary secretion in dogs [with summary in English].
Biul. eksp. biol. i med. 45 no.4:30-31 Ap '58 (NIRA 11:5)

1. Is kafedry patofiziologii pri Vyshem meditsinskom institute imeni I.P. Pavlova (zav. - prof. doktor L. Telcharov), g. Plodiv, Bolgariya. Predstavlena deystvitel'nyu chlenom AMN SSSR V.N. Chernigovskim.

(ACTH, effects

prod. of unconditioned salivary secretion in dogs (Rus))

(SALIVATION, physiology

prod. of unconditioned salivary secretion by prolonged ACTH admin. in dogs (Rus))

NIKOLOV, N.A.

Effect of delta cortisone on the higher nervous activity in dogs.
Zhur. vys. nerv. deiat. 10 no. 1:88-95 Ja-F '60. (MIRA 14:2)

1. Chair of Pathological Physiology, Pavlov Medical Institute,
Plovdiv, Bulgaria.

(CONDITIONED RESPONSE) (PREGRADEMETRIKNE)

NIKOLOV, N.A. (Plovdiv)

The problem of corticovisceral physiology and pathology. Zhur.
vys.nerv.deiat. 11 no.3:569-571 My-Je '61. (MIRA 14:7)
(NERVOUS SYSTEM)

NIKOLOV, N.A.

Effects of nicotinic acid and its amide on higher nervous activity.
Activ. nerv. sup. 4 no.3/4:411-415 '62.

1. Higher Medical Institute "I.P.Pavlov", Plovdiv, Bulgaria.
(CENTRAL NERVOUS SYSTEM) (NICOTINAMIDE) (NICOTINIC ACID)
(REFLEX CONDITIONED) (NEURASTHENIA)

NIKOLOV, N.A.

Effect of nicotinic acid and its amide on higher nervous activity. Vop. pit. 21 no.2:64-68 Kr-Ap '62. (MIRA 15:3)

1. Iz kafedry patologicheskoy fiziologii (zav. - doktor. med.nauk prof. L. Telcharov) Vyshego meditsinskogo instituta imeni Pavlova, Plodiv, Bolgariya.
(NERVOUS SYSTEM) (NICOTINIC ACID)

NIKOLOV, N.A.

Higher nervous activity in dogs with a weak type of nervous system during the prolonged administration of hydrocortisone. Farm. i toks. 24 no.1:3-8 Jg-F '62. (MIRA 15:4)

1. Kafedra patofiziologii (rukovoditel' - prof. L.Telcharov)
Vysshogo meditsinskogo instituta imeni Pavlova, Plovdiv, Bolgariya.
(NERVOUS SYSTEM) (CORTICOSTERONE)
(CONDITIONED RESPONSE)

NIKOLOV, Nikola, d-r

Liquid gold of Bulgaria. Euka 1 tekhn mladezh no.4:1-2 F '57.

NIKOLOV, Nikola As., k. t. n., inzh.

Computing the locked and ramified water networks. Godishnik Inzh
stroit inst 13 no. 1:193-219 '61.

NIKOLOV, Nikola As., k.t.n.insh.

Dimensioning the apron well formed by hydraulic submerged jump.
Khidrotekh i melior 7 no.1:6-11 '62.

NIKOLOV, Nikola As., k.t.n., inzh.

Dimensioning the canals and rapids with constrained bed. Hidrotekh
i melior 7 no.3:71-75 '62.

NIKOLOV, Nikola, inzh.

Irrigation with plastic pipes. Khidrotekh i melio 7 no.10:301-303
'62.

NIKOLOV, Nikola, k. t. n. inzh.

Graphic dimensioning of a silting basin with submerged hydraulic jump. Khidrotekh i melior 8 no. 2:36-40 '63.

NIKOLOV, N. As., k.t.n. inzh.

Energy dampers with double-trapezoid profile and semiconprismatic bed in a hydraulic jump. Khidrotekh i melior 8 no.5:131-133, 142 '63.

NIKOLOV, Nikola, inzh.

A machine for vineyard irrigation. Khidrotekh i melior 8 no.6:
E73-174 '63.

NIKOLOV, Nikola As., k.t.n., dots., inzh.

Stilling basins with nonprismatic beds, $m \neq$ const, and
submerged hydraulic jump. Khidrotekh i melior 8 no.9:
269-271 '63.

NIKOLOV, Nikola, Sr.

Dimensioning of canals and rapids with variable bottom width in nonuniform motion. *Gedishnik Inzh stroit inst* 15 no.1:27-58 '62. [publ.'63.]

NIKOLOV, Nikola As., dots. k. t. n. inzh.

Dimensioning a water supply network. Khidrotekh : melior 9
no.6:166-169 '64.

NIKOLOV, Nik la G., inzh.

The transport concrete for winter building. Stroitelstvo 9 no.6:
26-27 N-D '62.

NIKOLOV, N.I., d-r; DOMEV, L., inzh.

Methods in the analysis of chlorinated terpenes. Khim i industriia
35 no.2:61-64 '63.

H-24

COUNTRY: Bulgaria

CATEGORY:

ABS. JOUR.: *RZKhis.*, No. 5 1960, No. 19614

AUTHOR: Nikolov, N. I. and Kilimova, L. G.

INST.: Research Institute of the Chemical Industry (Sofia)

TITLE: The Investigation of the Composition of Bulgarian Turpentine Oils

ORIG. PUB.: *Godishnik Nauch Issledovatel Inst Khim Promishlenost.* 1955, T. I. Sofia, 73-98 (1958)

ABSTRACT: The results from an investigation of the composition of various types of turpentine (T) (extraction, dry distillation, sulfate process, regenerated) are described. The data indicate that the total content of α - and β -pinenes (in %) is 20-30 in regenerated T, 75-80 in extraction T, about 40 in sulfate process T, and 45-55 in T from the dry distillation of wood. The specific rotation of the plane of polarization of α - and β -pinenes is negative. The majority of Bulgarian T contain 5-5% of two

CARD: 1/2

NIKOLAY N.

22821
8/192/61/000/004/002/009
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11.1-110

AUTORS: Panchikov, G. N., Basilevich, V. V., Boyeva, B. S.,
Klatschenko, V. E., Elksley, E. I.

22821: Investigation of the influence of the catalyst composition
on the hydrocarbon content of gasoline from catalytic
cracking

PERIODICAL: Izvestiya vuzovskikh khimicheskikh nauchnykh institutov. Seriya Khim., No. 4,
1961, 57-62

22821: The above investigation was carried out in view of the growing
importance of petroleum as a raw material for chemical synthesis. The
combined method of B. A. Kabanov and G. B. Landsberg for detailed
examination of gasolines served as a basis. (Ref. 2; Landsberg, B. S.,
Kabanov, B. A., Babushin, P. A., Bulanova, T. S., Liberman, A. I.,
Kikayeva, Ye. A., Plava, A. P., Steina, E. Ye., Shchegoleva, E. M.,
Tatarskiy, G. A., Zhelina, S. A. "Opredelelye individual'nogo kataliticheskogo
sostava benzolnykh priyamykh gazakh kataliticheskaya aktivnost'" (Determination
of the individual hydrocarbon content in straight-run gasolines by a

Card 1/3

22821
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8126/2219

Investigation of the influence...

combined method", Izvestiya AN SSSR, 1959, Ref. 4; Landsberg, G. S.,
Kabanov, B. A., Shchegoleva, E. M. "Kataliticheskaya aktivnost'" (Catalytic
activity) (Kataliticheskaya aktivnost' mikrookreodov) ("Basic parameters of the
activity of kataliticheskaya aktivnost'") (Izvestiya AN SSSR, 1958).
A distillate with a boiling interval at 300-400°C was used as initial raw
material. Cracking was brought about in the laboratory at a temperature
of 475°C and a feed rate of the raw material of 0.7 ml/hr, and lasted for
1 hr. The experiment was carried out under the same conditions in two
equal apparatuses with aluminum silicate catalyst of various Al_2O_3 con-
tent, viz. a commercial aluminum silicate catalyst containing 12.4%
 Al_2O_3 , 47.1% SiO_2 , 0.05% Cr_2O_3 , and a synthetic
aluminum silicate catalyst with 50% Al_2O_3 and 70% SiO_2 . The fractions
55-95 and 95-127°C were subjected to chromatographic adsorption, the
losses being for ions through use of the method of A. V. Topolnyy and
Kobolevskiy (Ref. 6). "Kataliticheskaya aktivnost' kataliticheskogo priyama" (No. 11,
1957). In the determination of the individual hydrocarbon composition of the narrow-
band fractions, the method of the Kamen spectra was used. The results of
the investigation showed that the catalyst with the higher Al_2O_3 content

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8126/2219

Investigation of the influence...

has a greater isomerizing effect. The dehydrogenating effect of this
catalyst is greater too. The catalyst with Al_2O_3 and Cr_2O_3 content has a
greater isomerizing effect. With this catalyst, gasoline with a higher
aromatic and paraffinic hydrocarbon content was obtained. There are
4 tables and 7 references. 5 British abstracts and 2 publications. There are
two references to English language publications from the following:
Moly, I. P. S., Ivanov, P. A., Izrael, S. S., and Kozlovskiy, G. B.
Izv. Akad. Nauk SSSR, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961,
1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971,
1972.

AUTORS: Panchikov, G. N., Basilevich, V. V., Boyeva, B. S.,
Klatschenko, V. E., Elksley, E. I.

SUBMITTED: December 8, 1960

Card 3/3

NIKOLOV, N.I.; DONEV, L.

Photometric method for the determination of polychloroterpenes.
Zhur.anal.khim. 18 no.4:532-536 Ap '63. (MIRA 16:6)

1. Scientific-Research Institute for Chemical Industry, Sofia,
Bulgaria.

(Terpenes) (Photometry)

NIKOLAY, N.I.; DUBOV, I.D.

Relationships between the content of combined chlorine and certain properties of chlorinated terpenes. *Khim. i tekhn. 38 no.3:612-617* Mar '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut khimicheskoy promyshlennosti, Bolgariya. Submitted Jan. 3, 1964.

NIKOLOV, N IV.

Nikolov, N. Iv. Materialoznanie; metaloznanie, stukloznanie i plastichni materiali. Uchebnik za sledvashtite in-ta po fina mekhanika i optika. Sofiya (Narodna prosveta) 1952. 357 p. (Metal, glass, and plastic materials; a textbook for institutes of fine mechanics and optics)

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, LC., VOL. 3, NO. 1, Jan. 1954, Uncl.

ALEKSIY, M., insh.; NIKOLOV, N. Kr., insh.

Diagram of the production process in the mill for wood-fiber plates to be built in 1963-1965 in Bulgaria. Durvombel prom 5 no.5a21-26 S-0 '62.

1. Gl. inzhener pri DIP "Al. Atanasov", Ruse (for Aleksiev).
2. Tekhnolog pri DIP "Al. Atanasov", Ruse (for Nikolov).

ALEKSEEV, M., inzh.; NIKOLOV, N. Kr.

F
Possibilities of applying infrared rays for the drying of
lac films. Durvombel prom 5 no.5:28-29 S-0 '62.

NIKOLOV, Nikola M., inzh.

Recovery of materials in the furniture industry as a factor
of cost reduction. Duvomebel prom 7 no.1:29-30 Ja-F'64

1. Khimlaboratoriia pri DIP "Republika", Pleven.

NIKOLOV, N.

Observation of the orionids in 1955. p. 183.

GODISHNIK. MATEMATIKA I FIZIKA. Sofia, Bulgaria, Vol. 50 No. 1 1955/56
(Published 1957)

Monthly List of East Accession (EEAI) LC, Vol. 9, No. 1 January 1960

Uncl.

NIKOLOV, N.S. (Bolgariya)

Uninvestigated Kon'ovo meteorite in Bulgaria. Meteoritika
no.17:93-95 '59. (MIRA 13:6)
(Meteorites)

SPACE I BOOK EXPLOITATION

SC7/5576

Akademiya nauk SSSR. Astronomicheskii sovet.

Bulleten; statnyi opticheskogo nablyudeniya iskusstvennykh sputnikov Zemli.
no. 8 (18) (Bulletin of the Stations for Optical Observations of Artificial
Earth Satellites. No. 8 (18) Moscow, 1960. 23 p. 500 copies printed.

Sponsoring Agency: Astronomicheskii sovet Akademii nauk SSSR.

Resp. Ed.: G. A. Leykin; Ed.: D. Ye. Shchegolev; Secretary: O. A. Svernyaya.

PURPOSE: This bulletin is intended for scientists and engineers concerned with
optical tracking of artificial satellites.

COVERAGE: The bulletin contains seven articles concerned with methods and equip-
ment used for the photographic observation of artificial earth satellites,
the brightness of satellites and equipment for its determination, and the
results of photographic observation of satellites. No personalities are
mentioned. There are 14 references, all Soviet.

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Bulletin of the Stations (Cont.)

807/5576

TABLE OF CONTENTS:

Kislov, A. A., and B. A. Fingar. Determination of the Scale of Stellar Photographs and the Angular Velocity of a Celestial Body Moving at High Speed 3

Caracha, V. I., and Ye. P. Goryunov. [Astronomicheskaya observatoriya Kharkovskogo universiteta -- Astronomical Observatory of the Kharkov State University]. Registration and Investigation of the Scatter of the KAZA 35/25 Camera in Kharkov 6

Delach, R. [Astronomical Observatory of the Academy of Sciences of the Hungarian People's Republic]. Observation of Satellites With the Visual T2K Telescope Supplied With a Photocamera for Photographing the Limbs 8

Eukhantsev, L. T., and V. M. Kharaput. A Device for Registration of a Satellite's Brightness and Determination of Its Variation 9

Card 2/3

Bulletin of the Stations (Cont.)

807/5576

Nikolov, H. S., and M. P. Malinkov. [People's Republic of Bulgaria. Sofia Astronomical Observatory] Period of the Brightness Variation of the Rocket of Sputnik III Observed in the Sofia Astronomical Observatory	12
Grigorevskiy, V. N. [Odesskaya stantsiya nablyudeniya IZL. Odessa Satellite Tracking Station] Variation of the Period of Rotation of Sputnik II	14
Results of Photographic Observations of Artificial Earth Satellites	20
Corrections (of No. 10, 1959, Nos. 4 and 5, 1960)	25

AVAILABLE: Library of Congress

Card 3/3

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S/035/51/000/010/033/034
A001/A101

AUTHORS: Nikolov, N.S., Kalinkov, M.P.

TITLE: Period of changes in the brightness of the rocket of the 3rd Soviet artificial Earth's satellite according to observations at the Sofia Astronomical Observatory

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 10, 1961, 77, abstract 10A571 ("Byul. st. optich. nablyudeniya iskusstv. sputnikov Zemli", 1960, no. 8, 12 - 14)

TEXT: The authors present the results of observations of the brightness of the Sputnik III rocket conducted at the Sofia Astronomical Observatory from July 29 to August 18, 1958. A graph of time variation of the period has been plotted.

[Abstracter's note: Complete translation]

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Card 1/1

NIKOLOV, N.S. (Sofiya, Bolgariya)

Meteorites of Bulgaria. Meteoritika no.21:71-76 '61.(MIRA 14:11)
(Bulgaria—Meteorites)

NIKOLOV, N.S.; KALINKOV, M.P.

Observations of anomalous Perseids in Sofia. Astron. tsir.
no. 227:26-27 F '62. (MIRA 16:1)

1. Sofiyskaya astronomicheskaya observatoriya.
(Meteors—August)

SHENAYKH, V. [Schensich, V.], NIKOLOV, N.S.

Distribution of scattered star clusters within the galaxy as determined from the character of the two-color diagram. Astron. zhur. 40 no.3:534-538 My-Je '69. (MIRA 16:6)

1. Gosudarstvennyy astronomicheskiy institut imeni P.K. Shternberga.

(Stars—Clusters)

NIKOLOV, P.

NIKOLOV, P. X-ray study of welded joints. p. 35.

Vol. 6, No. 8, Aug. 1956

RATSIKHALIZATSIIA.

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

NIKOLOV, P.

The village aqueduct is a blessing. p.55.
KOOPELATIVNO ZEMEDELIE, Sofya, Vol. 11, no. 3, Mar. 1956.

SO: Monthly List of East European Accessions, (EEAK), LC, Vol. 5, No. 6 June 1956, Uncl.

NIKOLOV, P., insh.

General technical norms for the articles designed for the countries with tropical climate. Ratsionalizatsiia no.2:32-35 '62.

NIKOLCV, P., inzh.

Systematic and effective control of the quality of production.
Ratsionalizatsia 3 no.3:27-30 '63.

KUNEV, V.; NIKOLOV, P.

Thermoelectric vacuum meter with diodes under saturated conditions.
Izv fiz atom BAN 10 no.1:51-57 '62.

1. Fizicheski institut s ANEB pri BAN.

MIKHELOV, P.

"Draft for standardization of 'Rated Tensions for Electric Lines, Generators,
and Transformers'" P. 28

(RATSIONALIZATSIYA

Vol. 4, No. 3, Mar. 1954 - Bulgaria)

SO: Monthly List of East European Accessions, (YEAL) , LC. Vol. 4, No. 4,
Apr. 1955, Uncl.

NTKLOV, P.

Determining the operating temperature and reliable indicators
of domestic electric cookstoves. p. 34.
RATSIONALIZATSIYA. (Institut za ratsionalizatsiia) Sofiya.
Vol. 6, no. 1, Jan. 1956.

SOURCE: EEAL - 10 Vol. 5 No. 11 Nov. 1956

NIKOLOV, P.

"Some shortcomings in the work of the departmental committees on standardization."

p.32 (Ratsionalizatsiia, Vol. 7, no. 3, Mar. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

NIKOLV, P.

International Electrotechnical Commission, its organization and activity. p. 23
Ratsionalizatsii Vol. 8, No. 2, Feb., 1958. Sofia, Bulgaria.

Monthly Index of East European Accessions (EMAI) IC, Vol. 7, No. 10,
Oct. 58

NIKOLOV, P.

Some conclusions from the fulfillment of the 1957 Plan on Standardization.
p. 31 Ratsionalizatsii Vol. 8, No. 3, Mar., 1956. Sofia, Bulgaria.

Monthly Index of East European Accession (EIAI) IC, Vol. 7, No. 10,
Oct. 58

~~NIKOLOV, P.~~

TECHNOLOGY

Periodical: RATSIONALIZATSIYA. Vol. 8, no. 7, July 1959.

NIKOLOV, P. Some questions on standardization in the electric industry. n. 30.

Monthly List of East European Accession (EEAI), LC., Vol. 8, no. 2,
February 1959, Unclass.

NIKOLOV, Petur, insh.

Place and role of scientific-research institutes in the field
of standardisation and normalisation. Ratsionalizatsia
no.11:31-34 '62.

NIKOLOV, Petur, inzh., autoradnik

level of indexes in standards and norms. Ratsionalizatsia M
no.4:21-25 '64.

1. Institute of Standardization, Measures, and Measuring
Instruments.

NIKOLOV, P.

Shock and shock states. Suvr. med. 16 no. 4:195-203 ' 65

1. Chlen-koresp. na BAN, Institut po fiziologia.

Reference: B

NIKOLAY, P. and PETROV, V.

Experimental investigations of vermifuge effects of some plants used in our folk-medicine

Paragraph 2117 **Meditsinski Letopisi 1949, 41/6 (506-512) Tables 2**

Report on the investigation of 20 plant types, popularly used as vermifuges. In experiments on earth worms (with decoctions and macerations) it was noted that *Beta graveolens*, *Valeriana officinalis*, *Rhamnus frangula*, *Glechoma hederacea* and *Tanacetum vulgare* have a peculiarly distinct vermifuge action.

SO: Section II Vol. 3 No. 1-6

NIKOLOV, P.; AVRAMOV, N. R.

Investigation on the effect of *Foeniculum vulgare*, *Carum carvi*, *Anisum vulgare*, *Crataegus oxyacanthus*, and *Galga officinalis* on lactation. *Izv. med. inst.*, Sofia 1:169-182 1951 (CMLL 21:3)

1. Laboratory of Pharmacology (Head — Prof. P. Nikolov) of the Institute of Experimental Medicine of the Academy of Medical Sciences (Director — Academician D. Orakhovats.)

NIKOLOV, P., BRATANOV, K., AVRAKOV, N. R.

Investigation on the effect of potassium and calcium salts on lactation, preliminary communication. Izv. med. inst., Sofia 1:151-168 1951 (CML 21:3)

1. Laboratory of Pharmacology (Head -- Prof. P. Nikolov) of the Institute of Experimental Medicine of the Academy of Medical Sciences (Director -- Academician D. Orakhovats).

NIKOLOV, P.; DRUMEV, D.

Therapeutic properties of *Aesculus hippocastanum*. *Farmatsia*,
Sofia 5 no.2:16-19 Mar-Apr 55.

(PLANTS,

Aesculus hippocastanum)

NIKOLOV, P.

Obtaining of antigen for complement fixation reaction by incitement on Brucella with supersonic waves.

P.33 (Bulgaraka akademija na naukite. Mikrobiolobicheski institut. Izvestia. Vol. 6, no. 6 1955, Sofia, Bulgaria)

Monthly Index of East European Accessions (FFAI) LC, Vol. 7. No. 2, February 1958

GULUBOV, S.; NIKOLOV, P.

Production of Brucella antigen by complement fixation by ultrasonics.
Izv. mikrob. inst., Sofia no.6:93-96 1955.

(BRUCELLA, immunology,
antigen, prod. with ultrasonic-induced complement
fixation (Bul))
(ULTRASONICS, effects,
on Brucella, prod. of antigens by complement fixation
(Bul))
(COMPLEMENT,
fixation by ultrasonics in prod. of Brucella antigens (Bul))

NIKOLOV, Petur, prof; AVRAMOV, Nikola, d-r.

Effect of vegetative innervation on pepsin secretion. Izv.med.
inst., Sofia 11-12:103-120 1955;

1. Katedra po farmakologija (zav.: prof. P. Nikolov) pri Vshia
meditsinski institut V. Chervenkov-Sofia.

(AUTONOMIC NERVOUS SYSTEM, physiology,
regulation of pepsin secretion)

(PEPSINS, physiology,
secretion, autonomic regulation)

NIKOLOV, Patur, prof.; AVRAMOV, Nikola, d-r.

Investigations on the relation of serum potassium and sodium chloride to pigmentation changes in adrenal insufficiency. Irv.med.inst.,Sofia 11-12:121-134 1955.

1. Katedra po farmakologija (zav.-prof. P. Nikolov) pri Visshia meditsinski institut V. Chervenkov-Sofia.

(ADRENAL CORTEX, diseases,

insuff.,with pigmentation, changes, relation to blood potassium & sodium chloride)

(BLOOD,

potassium & sodium chloride, relation to pigmentation changes in adrenal insuff.)

(POTASSIUM, in blood

in adrenal insuff.,relation to pigmentation changes)

(SODIUM CHLORIDE, in blood,

in adrenal insuff.,relation to pigmentation changes)

(PIGMENTATION,

disord. in adrenal insuff.,relation to blood potassium & sodium chloride)

GULUBOV, S., dr.; NIKOLOV, P. dr.

Production of antigen for complement fixation in dourine by action of ultrasonic waves. Izv. mikrob. inst., Sofia 7:91-96 1956.

(TRYPANOSOMIASIS,
dourine, prod. of antigen for complement fixation by
ultrasonic waves (Bul))
(HORSES, diseases,
same)
(ULTRASONICS, effects,
antigen prod. for complement fixation in dourine (Bul))
(ANTIGENS,
dourine antigen prod. for complement fixation by ultrasonics
(Bul))
(COMPLEMENT,
same))

ANGELOV, S., Akad.; GIGOV, A.; NIKOLOV, P.; AMIDZHIN, S.

Toxoplasmosis and its studies in Bulgaria. *Sovrem. med.*,
Sofia 7 no.11:79-83 1956.

(TOXOPLASMOZIS, epidemiology,
in Bulgaria (Bul))

11/10/41, 2

Action of some chemical substances on vaccinia virus and on the virus of sheep pox. *Ann. N.Y. Acad. Sci.* 1941, 42, 1-10.

A certain strain of sheep pox virus was killed within 10 min. by 2% HCl, 2% H₂SO₄, 2% PbO₂, and 2% Mercuric iodine.

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COUNTRY : BULGARIA
 CATEGORY : E
 ABS. JOUR. : RZHBiol., No. 1959, No. 9920
 AUTHOR : Angelov, St., Panayotov, P., Manolova, N., *
 INST. : Bulgarian Academy of Sciences
 TITLE : The Effect of Certain Chemical Agents on the Coxsackie
 Virus
 ORIG. PUB. : Izv. Otd. biol. i med. n. Bulg. AN Ser. eksperim.
 biol. i med., 1957, No 2, 125-129
 ABSTRACT : * Nikolov, P.
 No abstract.

Card: 1/1

BULGARIA / Virology. Human and Animal Viruses. Influenza Virus. E

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5341.

Author : Angelov, S.; Panayotov, P.; Manolova, N.;
 Nikolov, P.

Inst : ~~NOT GIVEN~~

Title : Effects of Some Disinfecting Agents on Influenza Virus.

Orig Pub: Izv. Otd. biol. i med. n. Bulg. AN. Ser. eksperim. biol. i med., 1957, No 3, 107-112.

Abstract: No abstract.

Card 1/1

ANGELOV, St., Akats.; KJUMDZHIJEV, Il., Dr.; GOLUBOV, S., D-r.; NIKOLOV, P., D-r.

Territorial spread of Q-fever in animals and men in Bulgaria. Izv. Mikrob.
inst., Sofia no.8:13-28 1957.

(Q FEVER, epidemiol.
in Bulgaria)

ANGELOV, St., Akad.; KUFUMDZHIEV, Il., D-r.; GUMBOV, S., D-r.; NIKOLOV, P., D-r.;
BAKCHEVANOV, Avg., D-r.

Spread of Q-fever among slaughter-house workers in Bulgaria. Izv. Mikrob.
inst., Sofia no.8:29-34 1957.

(Q FEVER, epidemiol.

in slaughter-house workers in Bulgaria)

(SLAUGHTERING AND SLAUGHTERHOUSES

Q-fever in slaughterhouse workers in Bulgaria (Bul))

BULGARIA/Zooparasitology - Parasitic Protozoa. Flagellates.

G.

Abs Jour : Ref Zhur - Biol., No 21, 1956, 95256

Author : Angelov, St.; Golobov, S.; Gigen, A.; Nikolov, T.

Inst : -

Title : On the Problem of Toxoplasmosis in Animals in Bulgaria.

Orig Pub : Izv. Mikrobiol. in-t, Bulg. AN, 1957, 8, 35-40

Abstract : No abstract.

Card 1/1

- 2 -

EXCERPTA MEDICA Sec 3 Vol. 12/8 Endocrinology Aug 58

1583. THE INFLUENCE OF HISTAMINE ON CERTAIN ENDOCRINE ORGANS
(ADRENAL CORTEX AND THYMUS) (Bulgarian text) - Nikolov P. and
Jelyashov D. Dept. of Pharmacol., Superior Med. Inst., Sofia - SAVR.
MED. 1957, 8/7 (3-8) Tables 2 illus. 1

Injection of 0.10 mg. of a 1% solution of histamine HCl twice daily for 5-6 days
gave rise to hypertrophy of the adrenals and decrease of the volume of the thymus
in young rats. Moreover, the animals failed to gain weight at the same rate as the
controls. Boerman - Oes

EXCERPTA MEDICA Sec 16 Vol 7/1 Cancer Jan 59

152. *The carcinolytic effect of some plants and chemical substances as determined on Sarcina lutea (preliminary report) (Bulgarian text) NIKOLOV P. and BOJADJIEV T. Dept. of Pharmacol., Super. Med. Inst., Sofia. Ser. Med. 1958, 9: 1 (3 9 illus. 10*

A number of plants and chemical substances were studied as to their carcinolytic effect. It was found that the pathogenic microorganism *Sarcina lutea* is a good test object, carcinolytic substances inhibiting its growth and arresting the development of new colonies. Of the plants the following had an antitumorous action: *Helleborus odorus*, *Alkana tinctoria* Tausch, *Calendula officinalis* and *Onopordon aranthum*, all extracted with 40% alcohol.

ANGELOV, S.; KULUMDZHIEV, I.; GULIMOV, S.; NIKOLOV, P.

Investigations on morphology, biology and immunobiology of Mycobacterium tuberculosis curis and Graub's Mycobacterium tuberculosis bovis. Izv. Mikrob. inst., Sofia no.9:9-21 1958.

(MYCOBACTERIUM TUBERCULOSIS BOVIS,
morphol., biol. & immunol. (Bul))

(MYCOBACTERIUM TUBERCULOSIS,
curis, Graub's strain (Bul))

ANKHLOV, S.; PANAIOTOV, P.; MANOLOVA, N.; NIKOLOV, P.

Considerations on the etiology of hemorrhagic fever in Bulgaria. Izv.
Mikrob. Inst., Sofia no.9:23-33 1958.

(EPIDEMIC HEMORRHAGIC FEVER, epidemiology,
in Bulgaria, etiol. aspects (Bul))

ANGELOV, S.; GULOROV, S.; GIGOV, A.; NIKOLOV, P.

Considerations on human and animal toxoplasmosis in Bulgaria. Izv.
Mikrob. inst., Sofia no.9:35-41 1958.

(TOXOPLASMOSE, epidemiology,
in Bulgaria (Bul))

ANFILOV, S.; GULUBOV, S.; NIKOLOV, P.

Electrophoretic considerations on the infectious process in rabbits in experimental trypanosomiasis. Izv. Mikrob. inst., Sofia no.9:43-48 1958.

(TRYPANOSOMIASIS, blood in,
proteins, electrophoresis in rabbits (Bul))
(BLOOD PROTEINS, in var. dds.
exper. trypanosomiasis (Bul))

ANGHELOV, S.; GULOBOV, S.; NIKOLOV, V

Serological and allergic investigations on ascitis carcinomatosa.
Izv. Mikrob. inst., Sofia no.9:49-54 1958.

(NEOPLASMS, experimental,

Ehrlich ascites tumor, serol. & allergic aspects (Bul))

NIKOLOV P.

COUNTRY : BULGARIA 6
 CATEGORY : Zooparasitology. Parasitic Protozoa. Flagellata
 RES. JOUR. : RZhBiol., No. 2 1959, No. 5692
 AUTHOR : Angelov, S.; G"l"bov, S.; G"gov, A.; Nikolov,*
 INST. : Microbiological Institute, Bulgarian AS
 TITLE : Investigation of Patients with Oligophrenia for
 Toxoplasmosis
 ORIG. PUBL. : Izv. Mikrobiol. in-t. B"lg. AN, 1958, kn. 9,
 55-59
 ABSTRACT : In two homes for oligophrenic patients, an in-
 vestigation of 106 patients was carried out by
 means of allergic and serological reactions.
 30 of them showed positive results in investiga-
 tion for toxoplasmosis by means of a cutaneous
 reaction, and 14 by a complement-fixation test.
 *P.; Atanasov, A.
 CARD: 1/2

NIKOLOV, P., Prof.

Recent progress in antibiotic therapy; a review. *Khirurgia, Sofia*
11 no.5-6:404-411 1958.

1. Chlen-korespondent na RAN.
(ANTIBIOTICS, thsr. use,
progr. (Bal))

NIKOLOV, P.; BOIADZHIEV, TS.; UZUNOV, P.

Experimental studies on medicinal plants Calendula, Alkana, Helleborus and Onopordon and of a synthetic preparation vitestrol and on their tumor-lytic properties. *Suvrem med.*, Sofia no.4:26-35 '60.

1. Iz Katedrata po farmakologija pri VMI, Sofia (Rukov. na katedrata: prof. P.Nikolov) i Katedrata po patologichna anatomija pri VMI, Sofia (Rukov. na katedrata: prof. B.Kurdzhiev)

(PLANTS MEDICINAL)

(ANTINEOPLASTIC AGENTS)

ANGELOV, St., akad.; GULUBOV, S., d-r; NIKOLOV, P., d-r

Animals as a source of human toxoplasmosis. Izv. mikrob. inst.,
Sofia no. 11:23-29 '60.
(TOXOPLASMOSIS trans.)

GULUBOV, S.; NIKOLOV, P....

Comparative studies on humoral immunity in certain mammals and birds.
Izv. mikrob. inst., Sofia no. 1185-94 '60.
(BRUCELLOSIS immunol.)

NIKOLOV, P.; POPKHRISTOV, P.; BOJADZHEV, Ts.; DOBREV, D.

Clinical studies on anti-inflammatory and anti-allergic properties of *Digitalis lanata* in certain skin diseases. *Suvrem. med., Sofia* 11 no.2-3:78-80 '60.

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(SKIN dis.)
(DIGITALIS ther.)

NIKOLOV, P., prof.

Some problems of old age and longevity. Priroda Bulg 10
no.5:35-39 S-0 '61.

1. Chl.-kor. na Bulgarskata akademija na naukite (fer NIKOLEV).
2. VMI (fer Boiczhiev).

GULUBOV, S.; NIKOLOV, P.; MINCHEV, Iv.

Quantitative changes in leukocytes of sheep immunized with a Brucella vaccine. *Izv. mikrobiol. inst. (Sofia)* 13:45-51 '61.

(LEUKOCYTE COUNT) (VACCINATION blood)
(BRUCELLOSIS ~~immunol~~)

GULUBOV, S., NIKOLOV, P.

Seasonal oscillation of antibodies in sheep immunized with a Brucella vaccine. Izv. mikrobiol. inst. (Sofia) 13:53-63 '61.

(BRUCELLOSIS immunol) (VACCINATION exper)

NIKOLOV, P.

Studies on Q fever in domestic animals in Bulgaria. Izv. mikrobiol.
inst. (Sofia) 13:89-94 '61.

(Q FEVER veterinary)

GALABOV, S. [Gulubov, S.]; NIKOLOV, P.; MINCEV, I. [Minchev, I.]

Relation between antibodies and leucocyte in hens immune with brucellosis antigens. Doklady BAN 14 no.7:735-738 '61.

1. Vorgelegt von Akademienmitglied S. Angeloff [Angelov].

(Antigens and antibodies) (Undulant fever)
(Poultry)

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Index, Soviet Biological Abstracts, Vol. 10, No. 7, 1964
(Continued)

- 29. "Comparative Studies on the Effects of Various Factors on the Growth of *Escherichia coli*" (English article) pp 67-70.
- 30. "The Effect of Copper Ions on the Growth of *Escherichia coli*" (English article) pp 70-71.
- 31. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 71-72.
- 32. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 72-73.
- 33. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 73-74.
- 34. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 74-75.
- 35. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 75-76.
- 36. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 76-77.
- 37. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 77-78.
- 38. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 78-79.
- 39. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 79-80.
- 40. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 80-81.
- 41. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 81-82.
- 42. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 82-83.
- 43. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 83-84.
- 44. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 84-85.
- 45. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 85-86.
- 46. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 86-87.
- 47. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 87-88.
- 48. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 88-89.
- 49. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 89-90.
- 50. "The Effect of Various Factors on the Growth of *Escherichia coli*" (English article) pp 90-91.

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Nikolov, P.

(70)

14. The 1954-55 season... (continued)
15. M. K. ... (The ...)
16. ... (continued)
17. ... (continued)
18. ... (continued)
19. ... (continued)
20. ... (continued)
21. ... (continued)
22. ... (continued)
23. ... (continued)
24. ... (continued)
25. ... (continued)
26. ... (continued)

12/KALC/T

NIKOLOV, P.; BOIADZHIEV, T.; KOLEV, S.

Our experience with the treatment of senility with the method of the Academician Farhon. Nauch. tr. vissh. med. inst. Sofia 40 no.1:49-57 '61.

1. Predstavena ot prof. P. Nikolov, rukovod. na Katedrata po farmakologiya.

(GERIATRICS) (PROCAINE ther)

NIKOLOV, P.; RUSINOV, K.; ATANASOVA-SHOPOVA, S.

Pharmacological studies on drugs used in therapy of hyperkinesia of the extrapyramidal origin. I. Studies on a preparation made of Belladonna root and Hyoscyamus leaves. Izv. inst. fiziol. 5:251-269 '62.

(EXTRAPYRAMIDAL TRACTS dis)
(MOVEMENT DISORDERS ther)
(BELLADONNA ther)
(PLANTS MEDICINAL ther)

NIKOLOV, P.; BOJADZIEV, Cv.; MANOLOV, P.

Experimental studies on pharmacological effects of a drug from
Supervivum tecteron. Dokl. Bolg. akad. nauk 15 no.1:101-103
'62.

(PLANTS MEDICINAL pharmacol)

NIKOLOV, P.; DIMITROV, L.; CHOBANOVA, D.

The effect of atarax on the assimilation of radiothiamine. Dokl. bolg. akad. nauk 15 no.4:455-457 '62.

(THIAMINE)

(HYDROXYZINE)

AVRAMOV, N.; TODOROV, N.; NIKOLOV, P.

Aerosol therapy with tetracycline. Dokl. bolg. akad. nauk 15 no.6:
659-660 '62.

(TETRACYCLINE) (AEROSOLS)

NIKOLOV, F.

Studies on the antigen structure of *Erysipelothrix rhusiopathiae*.
Dokl. bulg. akad. nauk. 15 no.7:767-769 '62.

1. Vorgelegt von Akademietglied S. Angeloff.
(ERYSIPELOTHRIX) (ANTIGENS)

NIKOLOV, P.; ABRAMOV, N.; BOYADZHIYEV, TSv.; KIPROV, D.

Some experimental data on the antiinflammatory action of
Digitalis lanata. *Much. tr. vissh. med. inst. Sofia* 41 no.1:
1-16 '62.

1. Predstavena ot prof. P. Nikolov i prof. St. Pisarev.
(DIGITALIS) (INFLAMMATION) (HYDROCORTISONE)

BULGARIA

Iv. USHEV, P. NIKOLOV and B. BURLIEV, Department of Rentgenology and Radiology of Medical College (Katedra po rentgenologiya i radiologiya pri VMI) Head (rukovoditel) Prof A. NIKOLAEV, Sofia.

"Liver Scintigraphy."

Sofia, Rentgenologiya i Radiologiya, Vol 2, No 2, Apr-Jun 63; pp 14-20.

Abstract [English summary modified]: Hepatoscintigraphy in 6 patients with colloidal Au¹⁹⁸ or bengal red - I¹³¹. Method can give good diagnostic data, but can be harmful and mislead if done improperly; should therefore be done by specialists only. Six scintigrams, 6 case reports; 4 Western and 8 Soviet references.

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