

The Semi-Annual and Semi-Monthly Terms of Nutation      SOV/33-36-1-22/31  
in the Variations of Poltava Latitude

The author mentions a paper of A.Ye.Fedorov and compares the results with data of A.Ya.Orlov and Ye.P.Fedorov. There are 2 tables, 1 figure, and 15 references, 12 of which are Soviet, 1 American, 1 Japanese, and 1 German.

ASSOCIATION: Poltavskaya gravimetricheskaya observatoriya Akademii nauk USSR  
(Poltava Gravimetical Observatory AS Ukr.SSR)

SUBMITTED: November 29, 1957

Card 2/2

Popov, N. A.

FIELD I BOOK EXPLOITATION

EG7/5742

Akademiya nauk SSSR. Mezhdunarodnyy komitet po provedeniyu Mezhdunarodnogo geofizicheskogo goda. VIII randal programy IIG: Shiroty i dolgoty.

Predvaritel'nyye rezul'taty issledovaniy kolebaniy shirot i dvizheniya polusov zemli; sbornik statey (Preliminary Data of Latitude Variations and Migrations of the Earth's Poles; Collected Articles. No. 1) Moscow, Izd-vo AN SSSR, 1960. 97 p. Errata slip inserted. 1,000 copies printed.

PURPOSE: This collection of articles is intended for astronomers, geophysicists, and other scientists concerned with the problem of latitude variations and the migration of the Earth's poles.

COVERAGE: Part I of the collection contains preliminary results of latitude observations from 1957.5 through 1959.0 made at IGY stations in the USSR network, including new stations in Siberia. Part II consists of articles describing new instruments, observational programs and methods, and procedures of processing the latitude observational data. With the larger number of stations and the use of new instruments it is anticipated that the final results will provide a more comprehensive study of anomalies and instrumental

Card-45

Preliminary Data of Latitude Variations (Cont.)

SC/5742

errors in latitude observations than has been possible previously. No par-  
conditions are mentioned. English abstracts and references follow each article.

TABLE OF CONTENTS:

Preface

5

INDEX

Bravinskaya, S. V., I. D. Kostina, and N. N. Andreyenko. Latitude  
Observations at the Main Astronomical Observatory of the Academy  
of Sciences USSR (Fraunberg-Kondrat'yev Zenith-Telescope)

7

Kovalevskaya, Ye. I., I. P. Cherednik, and O. V. Chuprunova.  
Observations of Talcott Pairs at the Poltava Gravimetric  
Observatory of the Ukrainian Academy of Sciences (Zeiss  
Zenith-Telescope)

9

Bohry, H. A. Observations of Bright Zenith Stars at the Poltava  
Gravimetric Observatory of the Ukrainian Academy of Sciences  
(Zeiss Zenith-Telescope)

13

Card 2/5

Preliminary Data of Latitude Variations (Cont.)

377/5742

Zakharov, P. M. On the Question of Selecting the Most Expedient  
Method of Determining the Value of a Screw Turn on an Ocular Micrometer 82

Podol, N. A. Changes in the Position of the Horizontal Axis of a Transit  
Instrument with the Position Depending on the Direction of Turning the  
Table 89

Shuplova, I. I. Determination of the Value of a Screw Turn on an  
Ocular Micrometer According to Observations of Transits of Zenith Stars 92

AVAILABLE: Library of Congress

Card 5/5

JA/Est/mas  
11-7-61

23926  
S/035/61/000/006/006/044  
A001/A101

3.1220

AUTHOR: Popov, N.A.

TITLE: On organization of azimuthal observations at Poltava

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 6, 1961, 12-13, abstract 6A114 (Tr. 14-y Astrometr. konferentsii SSSR, 1958", Moscow-Leningrad, AN SSSR, 1960, 301-312, Discus. 312, Engl. summary)

TEXT: It is possible, in principle, to detect changes in direction of a meridian by means of regular azimuthal astronomical observations; consequently, it is possible to obtain data for studying the motion of the Earth's pole, all the more that the zimuth fluctuation amplitude exceeds the amplitude of latitude fluctuations by a factor of  $\sec \varphi$ . These observations are usually strongly affected by insufficient stability of mires, side refraction, etc. It is supposed to use an АПМ-10 (АФМ-10) transit instrument (D=100 mm, F=1,000 mm) for azimuthal observations at the Poltava Observatory. The method of observing circumpolar stars at instants of elongations was employed. In this method, in distinction from meridian observations, the knowledge of exact time is not needed, but the site latitude should be known sufficiently well, instead. The observational program includes

Card 1/3

23926

S/035/61/000/006/006/044

AG01/A101

On organization of azimuthal observations at Poltava

6 circumpolar stars ( $\delta$  within the limits  $86^{\circ}28'$  -  $86^{\circ}43'$ ) which can be observed by the chain method in order to exclude systematic declination errors. If the transit instrument is mounted in azimuth  $5^{\circ}15'$ , all program stars pass, at the eastern elongation instant, in the sight field of the tube near the vertical of the mires, which permits the measurement of the angle between the star and the mire by means of an ocular micrometer. A self-levelling suspended mire was installed, in addition to the mire of the conventional type, at a distance of 384.3 m north of the instrument. It is assumed that the main reason for horizontal displacements of the mires is variability of the slope of their foundations; a suspended mire, however, preserves in this case its vertical position. It is constructed as follows. In the center of the foundation-pillar there is a round well above which a steel frame is mounted and firmly fastened to the pillar. The mire, which represents a peculiar pendulum, consists of a 146-kg block suspended within the well, a 50-kg coupling box connected with the block, and a 4-kg tubular rod protruding upward and carrying a luminous point at its top. Steel knives are rotation axis of the mire; its oscillations can take place in the plane perpendicular to the sighting line. Horizontal displacement  $\Delta x$  of a conventional mire is equal to  $(h/a)\Delta y$ , and that of a self-levelling one to  $[(h - h(m))/a]\Delta y$ , where  $h$  is height of the mire over the foundation base,  $h_m$  is height of the mire suspended part from the

Card 2/3

23926

S/O35/61/000/006/006/044  
A001/A101

On organization of azimuthal observations at Poltava

point of support to the luminous point (4.6 m),  $a$  is foundation width, and  $\Delta y$  is difference of displacements of the ground at width  $a$ . Thus  $\Delta x$  of the self-levelling mire is less by a factor of  $h/h-h(m)$  (three times for Poltava) than that of the conventional one. The distance to the southern mire (conventional) from the instrument is 72.3 m. The author presents the results of investigating the ocular micrometer, suspended level, as well as the results of experimental observations of azimuths of two northern mires from observations of  $\delta U Min$  at the instant of its eastern elongation. The root-mean-square of one azimuth determination amounts to  $\pm 0''80$ ; it is expected to reduce it at least by half. There are 18 references.

A. Chelombit'ko

[Abstracter's note: Complete translation]

Card 3/3

ORLOV, Aleksandr Yakovlevich, zasl. deyatel' nauki USSR [1880-1954]; AK-  
SENT'YEVA, Z.N., otv. red.; LAVRENT'YEVA, Ye.V., starshiy nauchnyy  
sotr., red.; POPOV, N.A., starshiy nauchnyy sotr., red.; FEDOROV,  
Ye.P., starshiy nauchnyy sotr., red.; ORLOV, B.A., starshiy nauchnyy  
sotr., red.; LABINOVA, N.M., red. izd-va; RAKHLINA, N.P., tekhn. red.

[Selected works in three volumes] Izbrannye trudy v trekh tomakh.  
Kiev, Izd-vo Akad. nauk USSR. Vol.1. 1961. 353 p. (MIRA 14:10)

1. Deystvitel'snyy chlen AN USSR i chlen-korrespondent AN SSSR  
(for Orlov).
2. Chlen-korrespondent AN USSR (for Aksent'yeva).
3. Poltavskaya gravimetricheskaya observatoriya (for Lavrent'yeva,  
Popov, Fedorov).
4. Glavnaya astronomicheskaya observatoriya v Pul-  
kove (for Orlov, B.A.).  
(Astronomy) (Earth) (Latitude)  
(Orlov, Aleksandr Iakovlevich, 1880-1954)



ORLOV, Aleksandr Yakovlevich (1880-1954); AKSENT'YEVA, Z.N., otv. red.; LAVRENT'YEVA, Ye.V., starshiy nauchnyy sotr., red.; POPOV, N.A., starshiy nauchnyy sotr. red.; FEDOROV, Ye.P., starshiy nauchnyy sotr., red.; ORLOV, B.A., starshiy nauchnyy sotr., red.; LEPKIY, S.D., red. izd-va; RAKHLINA, N.P., tekhn. red.

[Selected works in three volumes] Izbrannye trudy v trekh tomakh. Kiev, Izd-vo Akad.nauk USSR. Vol.2. 1961. 317 p. (MIRA 14:12)

1. Chlen-korrespondent AN USSR (for Aksept'yeva). 2. Poltavskaya gravimetricheskaya observatoriya (for Lavrent'yeva, Popov, Fedorov).
3. Glavnaya astronomicheskaya observatoriya v Pulkove (for Orlov). (Astronomy) (Geophysics) (Orlov, Aleksandr Iakovlevich, 1880-1954)

POPOV, N.A.; SHUSTOROVICH, Ye. M.

Electronic structure and properties of cumulated systems.  
Part 7: Self-consistent circuit of  $\Pi$ -MO according to ople's  
method. Zhur. strukt. khim. 6 no. 4:596-599 J1-Ag '65  
(MIRA 19:1)

1. Institut obshchey i neorganicheskoy khimii AN SSSR imeni  
N.S. Kurnakova. Submitted April 4, 1965.

POPOV, N.A.

Control of household pests in passenger cars of a long  
distance train. Med. paraz. i paraz. bol. 34 no. 5:616  
S-O '65 (MIRA 19:1)

1. Volgogradskaya sanitarno-epidemiologicheskaya stantsiya  
Privolzhskoy zheleznoy dorogi. Submitted November 13, 1963.

POPOV, N.A.

*Quercus crispula* Blume on the southern Kurile Islands.  
Bot.zhur. 50 no.11:1629-1632 N '65.

(MIRA 19:1)

1. Biologo-pochvennyy institut Dal'nevostochnogo filiala  
Sibirskogo otdeleniya AN SSSR, Vladivostok. Submitted  
February 14, 1962.

L 13639-66 EPA/EWT(1)/EWP(m)/EWT(m)/EPF(n)-2/EWA(d)/T/EWA(h)/EWA(c)/ETC(m)  
ACC NR: AP6004426 ~~WH/JW/WE~~ SOURCE CODE: UR/0414/65/000/003/0020/0026

AUTHOR: Il'kayeva, L. A. (Moscow); Popov, N. A. (Moscow) 68  
B

ORG: none

TITLE: The hydrodynamic solution for one-dimensional perturbation  
of a nonsteady-state detonation wave 21,44,55  
11,55

SOURCE: Fizika goreniya i vzryva, no. 3, 1965, 20-26

TOPIC TAGS: detonation, combustion, detonation wave, detonation  
stability

ABSTRACT: The stability of detonation waves with respect to one-  
dimensional perturbations was analyzed in the x-t plane. Possible  
hydrodynamic solutions are considered for perturbations caused by  
rarefaction as well as pressure waves. Some conclusions are drawn  
concerning the decay or amplification of detonation waves due to  
rarefaction or pressure perturbations. Density profiles in the  
chemical reaction zone were plotted. Orig. art. has: 1 formula and  
8 figures. [PV]

SUB CODE: 19 SUBM DATE: 20Mar65/ ORIG REF: 002/ ATD PRESS: 4186

Card 1/1 HW UDC: 532.593

POPOV, N.A.; SHUSTOROVICH, Ye.M.

Electronic structure and properties of cumulated systems. Part 6: Effect of an interelectronic interaction on the energy gap in the  $\pi$ -electronic spectrum of long polyacetylenes and polyenes. Zhur. strukt. khim. 6 no.2:286-290 Mr-Apr '65. (MIRA 18:7)

1. Institut obshchey i neorganicheskoy khimii AN SSSR imeni Kurnakova.

POPOV, N.A. [continued]

Amoy subtropics. Okhr. prir. na Dal'. Vost. no. 1:51-56 163.  
(MIRA 18:7)

1. Biologo-pochvennyy institut Dal'nevostochnogo filiala  
Sibirskogo otdeleniya AN SSSR.

FOPOV, N.A., vrach

Moist disinfestation of passenger cars with chlorophos. Socr.  
nauch. rab. Sar. gos. med. Inst. 44:376-378 '64.

(MIPA 18:7)

1. Volgogradskaya sanitarno-epidemiologicheskaya stantsiya  
Privolzhskoy zheleznoy dorogi.



1951-1952  
1. The following information was obtained from the records of the Central Intelligence Agency, dated 11/24/51, in connection with the activities of the Communist Party, U.S.A., in the District of Columbia.

2. The following information was obtained from the records of the Central Intelligence Agency, dated 11/24/51, in connection with the activities of the Communist Party, U.S.A., in the District of Columbia.

(MEMO 16:8)

AKHMETOV, K.T.; KORNEYEV, V.F.; POPOV, N.A.; YUMAKAYEV, Sh.I.

Accelerating processes of leaching zinc calcines and an increase in  
labor productivity. Trudy Alt. GMI AN Kazakh. SSR 14:178-190 '63.  
(MIRA 16:9)

(Zinc—Heat treatment) (Leaching)

POPOV, N.A., doktor tekhn. nauk; SAFONOV, A.M., inzh.

Operational properties of new roofing materials. Stroi. mat. 9  
no.5:25-27 My '63. (MIRA 16:7)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury  
SSSR (for Popov).  
(Roofing--Testing)

POPOV, N.A.; LOSHAK, M.Z.

Pneumatic clamping devices. Mashinostroitel' no.5:33 My '63.  
(MIRA 16:7)

(Lathes--Attachments)

POPOV, N.A.; RAKHOVSKIY, V.I.

Possibility of using ceramic metal contacts in vacuum switches.  
Porosh. met. no.4:103-106 J1-Ag '61. (MIRA 16:5)

1. Vsesoyuznyy ordena Lenina elektrotekhnicheskiy institut imeni  
V.I.Lenina.

(Ceramic metals) (Electric contactors)

STRUTINSKIY, V.M.; LYASHCHENKO, N.Ya.; POPOV, N.A.

Symmetrical equilibrium shapes in a nuclear model with a sharply deformed surface (liquid drop model). Zhur. eksp. i teor. fiz. 43 no.2:584-594 Ag '62. (MIRA 16:6)

(Nuclear models)

POPOV, N.A.

Effect of ground fires on the reproduction of Mongolian oak.  
Soob. DVFAN SSSR no. 15:65-69 '62. (MIRA 17:9)

1. Dal'nevostochnyy filial imeni Komarova Sibirskogo otdeleniya  
AN SSSR.

POPOV, N.A.

Some floristic finds on the southern Kurile Islands. Scob. DVFAN  
SSSR no.17:59-61 '63. (MIRA 17:9)

1. Dal'nevostochnyy filial im. V.I. Komarova Sibirskogo otdeleniya  
AN SSSR.



LEVCHENKO, G.V., inzh.; Y. V. N.A., kand. fiziko-matem. nauk; PAKHOMSKY,  
V.I., kand. tekhn. nauk; LEONAROVICH, inzh., kand. tekhn. nauk

Choice of metaloceramic material for contactors operating in a  
vacuum. Elektrotehnika 35 no.5:52-53 My'62 (MIRA 17:8)

POPOV, N.D.

Machine for barrel hooping. Kons.i ov.prom. 17 no.7:28 J1 '62.  
(MIRA 15:6)

1. Novozybkovskiy konservnyy zavod.  
(Coopers and cooperage—Equipment and supplies)

POPOV, N.D.

Mechanization of the production of wooden boxes. Kons. 1 sv.  
prom. 17 no.8:43 Ag '62. (MIRA 17:1)

1. Glavnyy inzhener Novozybkovskogo konservnogo zavoda.

POPOV, N.D.

Mechanization of canned food transportation. Kons. i sv. Prom.  
16 no.9:27 S '61. (MIRA 14:8)

1. Novozybkovskiy konservnyy zavod.  
(Novozybkov--Canning industry--Equipment and supplies)

POPOV, N.D.

Our obligations. Kons. i ov. prom. 16 no.7:10 ~~31~~ 61. (MIRA 14:8)

1. Novozybkovskiy konservnyy zavod.  
(Novozybkov—Canning industry)

POPOV, N.D.

Mechanized filling of appetizer jars. Kons. i ov. prom.  
16 no. 11:10-11 N '61. (MIRA 14:11)

1. Novozybkovskiy konservnyy zavod.  
(Canning and preserving--Equipment and supplies)

SAMSONOVA, A.H.; POPOV, N.D.; VAYLOVA, N.G.

Production of juice containing plum pulp at the Novozybkov  
cannery. Kons.i ov.prom. 15 no.1:13-14 Ja '60.

(MIRA 13:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy  
i ovoshchesushil'noy promyshlennosti (for Samsonova).
2. Novozybkovskiy konservnyy zavod (for Popov, Vaylova).  
(Plums)

RIESSNER, Danko, Dr.; POPOV, Nedeljko, Dr.; STANCIC-ROKOTOV, Fedor, Dr.

Current views on the treatment of puerperal thrombosis. Lijec vjes  
82 no.7/8:555-559 '60.

1. Iz Kirurškog odjela Opće bolnice "Dra M.Stojanovica" u Zagrebu  
(THROMBOSIS ther)  
(PUERPERIUM compl)



KONSTANTINOV, M.S.; PISAREV, A.M.; POPOV, N.B.

Vibration in the Mercedes-Benz truck with the Blumhart trailer.  
Godishnik mash elekt 7 no.1:161-177 '60. (publ. '61)

POPOV, N.D.

Treatment and prevention of certain fungus and purulent diseases  
of the skin by the method of oxidation. Vest.derm. i ven. 32  
no.4:74-76 J1-Ag '58 (MIRA 11:10)

(RINGWORM,  
foot & hand, prev. & ther. (Rus))

(FOOT, dis.  
ringworm, prev. & ther. (Rus))

(HAND, dis.  
same (Rus))

(PYODERMA,  
prev. & ther. (Rus))

POPOV, H.D.

Treating acute poisoning and burns caused by potassium permanganate.  
Klin.med. 37 no.8:97-102 Ag '59. (MIRA 12:11)  
(ANTISEPTICS, toxicology)  
(BURNS, etiology)

PROCESSING AND PROPERTIES INDEX

BC

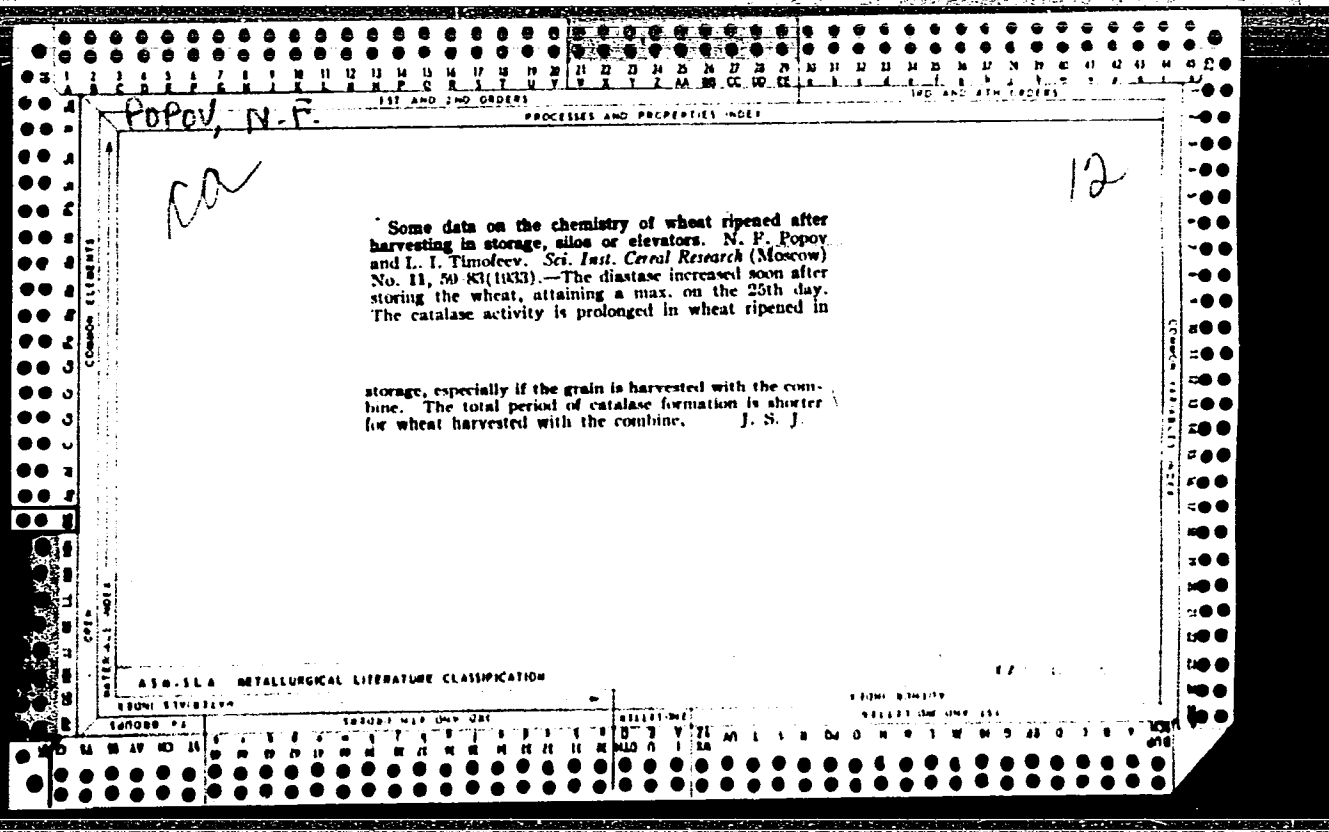
POPOV, N.F.

H-3

Determination of nitrogen in organic substances. N. Popov (Khim. Farm. Prom., 1933, 218-220).—Anderson and Jensen's method (A., 1931, 634) is slightly modified. (N. Ann.

ASG-514 DETALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION	SECTION	DATE	CLASSIFICATION	FROM SOURCE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100				



POPOV, N. F.

"Le systeme nerveux vegetative et les processus tissulaires"

XV International Physiological Congress, Summaries of communication, 323, M., 1935;

Sbornik dokladov VI Vsesoyuznogo s'yezda fiziologov, biokhimikov i farmakologov, 133-137, Tbilisi, 1937 <sup>m</sup>

POPOV, N. F.; Krotkova, A. P.

"Secretory function of gastric glands of horse in feeding of animals."

SOURCE: Veterinariya 25, No 10, 1948, p. 32

FCFCV, N. . .

"Physiological principle of nutrition of horses."

So: Konevodstvo, No. 1, 1949, pp 22-25

In 1949 Letopis' Zhurnal'skikh Otdelov, No. 8, Ser. VIII-6, 1949, 2150 str. 2151



POPOV, N. F.

4719. AETIMOV, G. I., KRINTSIN, D. YA. : POPOV, N. F. Fiz'io omiya sel'skokhozyaystvennykh zhyvotnykh (Vchebnik dlya vet i zootekhn. Vuzov i fak) M., "Sov. Nauka", 1954.554 s.s. Ill. 27 sm. 15,000 ekz. 16r. 55k. v per. - bibliogr: v kontse glav. - (54-58001) P. 619:612 / (016.3)

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

POPCV, I. F., Prof.

Moscow Veterinary Academy.

"Physiological basis of diatetic feeding of horses and other animals."

SO: HYGIENE OF AGRICULTURAL ANIMALS, Proceedings of the XXIX Plenum of the Veterinary Section of the Academy, p. 38, Moscow, 1950, trans. 191, by L. Lulich.

uncl

POPOV, N.F.

Nerve centers and their role in regulation of tissular processes  
in the organism Izv.Akad.nauk SSSR Ser.biol., Moskva No.6:124-  
136 Nov-Dec 50. (CLML 20:4)

1. Moscow Veterinary Academy.

POPOV, N.F.

GTRSP L Vol. 5 No. 1 Jan. 1952

Popov, N.F. (Moscow Academy of Veterinary Science). Nerve centers and their role in the regulation of tissue processes of living organisms. 124-36

Izvestiya Akademii Nauk, S.S.S.R., Seriya Biologicheskaya No. 6, 1951

PEPOV, N. F.

"N. G. Eelenky. Serum Made Free of Specific Characters." (p. 70) by Popov, N. F.

SO: Journal of General Biology XII (Zhurnal Obshchei Biologii) Vol. 12, No.1, 1951.

POPOV, N.F., Prof.  
Moscow Vet. Acad.

"Insulated stomach in horse."  
SO: Veterinariia 28(3), 1951, p. 38

POPOV, N. F.

Agriculture

(I. P. Pavlov's teachings and physiology of digestion and feeding of agricultural <sup>[the]</sup>cattle). Moskva (Znanie) 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED

Variant translation: "I. P. Pavlov's Teaching and the Physiology of Digestion and feeding of Farm Animals," Moscow 1951-1952

-1828-52, 28 Aug 1952

POPOV, N. F., Prof; Krotkova, A. P., Prof

Moscow Veterinary Academy

"Secretion of stomach glands of horse to basic foods"

SOURCE: Veterinariya 29, No 6, 1952, p. 51

Variant translation: "Gastric secretion in horses as caused by basic feeds."  
ibid., p 51

Variant translation: "Secretional response of the gastric glands in horses to principal forage substances."

ibid.,



POPOV, N.F., professor, zasluzhennyi deyatel' nauki; MERING, T.A., redaktor.

[Research on the physiology of animal brain cortex] Issledovaniia po fiziologii kory golovnogo mozga zivotnykh. Moskva, Sovetskaiia nauka, 1953. 99 p.  
(MIRA 7:3)

(Cerebral cortex)

Same public. recommended for Stalin Prize 1952-53 as "Investigations of the Cerebral Cortex of Animals", by (Moscow Vet. Acad., Min. Agric. USSR). Sovetskaya Kultura, Moscow, no. 22-40, 20 Feb-3 Apr 1954.

W-30604, 7 Jul 1954

~~POPOV, N.F.~~

Peculiarities of the higher nervous function in horses [with English summary in insert]. Zhur. vys. nerv. deiat. 6 no.5:718-725 S-0 '56. (MIRA 10:2)

1. Moskovskaya veterinarnaya akademiya.  
(CENTRAL NERVOUS SYSTEM, physiol.  
higher nerv. funct. in horses, exam. of analytic & synthetic activity by conditioned reflexes).

USSR/Farm Animals. Rabbits. e-3

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101228

Author : Popov, N.E., Kurilov, M.V., Novikov, V.K.,  
Zusman, N.S.

Inst : -

Title : Effects of Hormones Upon the Productivity of Rabbits.

Orig Pub: Vestn. s.-kh. nauki, 1957, No. 2, 115-117

Abstract: Experiments were carried out on 4 groups of rabbits consisting of 8 male and 7 female rabbits in each group. The first group was the control group. The second group received pregnene with their food, the third group were given pregnene with their food and were subcutaneously injected with progesterone, and the

Card 1/2

63

USSR / RUMEN AND ANIMAL PHYSIOLOGY (NORMAL AND PATHOLOGICAL).  
Digestion.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60424

Author : Popov, N. F.

Inst : Not given

Title : Digestive and Metabolic Characteristics in Ruminants  
in Alimentary Disturbances

Orig Pub : Vostn. s.-kh. nauki, 1957, No 6, 56-63

Abstract : In cows and calves receiving a large quantity of concentrates and silage (or both), there was a gradual development of acidosis. The acidity of the rumen content increased, and the number of infusoria and their activity was reduced. Toxic products of protein breakdown appeared in the blood, butyric acid and keto-bodies were accumulated, sugar content and reserve alkalinity was lowered, and pH of the urine dropped. The salivary

Card 1/2

USSR / Human and Animal Physiology (Normal and Pathological).  
Digestion.

T

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60424

secretion, the reactivity of the rumen receptors and the motility of the rumen were reduced. The introduction of root-vegetables, and particularly of sugar beet into the ration, brought about the restitution of acid-alkali equilibrium. In the evaluation of rations for farm animals, it is necessary to establish a biological control by checking the reserve alkalinity and sugar in the blood and the pH of urine. -- V. A. Shaternikov

Card 2/2

POPOV, N.F.; PETUKHOVSKIY, A.A., professor.

Zoohygienic requirements for livestock buildings. Veterinariia 34 no.4:  
75-77 Ap '57. (MLRA 10:4)

1. Chlen-korrespondent Vsesoyuznoy Akademii sel'skokhozyaystvennykh nauk im. Lenina.  
(Veterinary hygiene) (Farm buildings)

MATSKEVICH, V.V., LOBANOV, P.P., CHEKMENEV, Ye.M., SKRYABIN, K.I., LOZA, G.M.,  
POPOV, I.S., PEROV, S.S., SINYAGIN, I.I., YAKUSHKIN, I.V.,  
NIKOLAYEV, A.I., ROSTOVTSEV, H.F., YUDIN, V.M., POPOV, H.F.,  
RED'KIN, A.P., SMETNEV, S.I.

E.F.Liskun. Dokl. Akad. sel'khoz. 23 no. 5:48 '58. (MIRA 11:8)  
(Liskun, Efim Fedotovich, 1873-1958)

POPOV, N.P., akademik.

Defective feeding accounts for noncontagious cow diseases. Dokl.  
Akad. sel'khoz. 23 no.8:11-14 '58. (MIRA 11:8)  
(Cows--Diseases) (Sugar--Physiological effect)

10007, N.W., 100000

Correct proportion of water in the ration is a guarantee of the health of animals. Veterinariia 36 no. 7: 72-73 in '50.

(MIRA 20:11)

7. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk in. Lening. (Dairy cattle--Practices and feeding stuffs)



POPOV, N.F.; SOKOL'SKAYA, N.P.

Secretory function of the gastric glands free of the effect of the  
nerve centers. *Fiziol.zhur.* 45 no.3:326-329 '59. (MIRA 12:11)

1. From the Department of Animal Physiology, Academy of Veterinary  
Medicine, Moscow.

(GASTRIC JUICE,  
secretion, eff. of denervation (Rus))

POPO, N.F.; ISAGULOV, P.I.

Using metal supports in post growth. March. study KNIUI no.14:158-  
162 '64. (MIRA 18:4)

SLIN'KO, I. S., POPOV, N. F.

Improved method of roof control in the "Vyshesrednii," "Sloisty"  
and "Shestifutovyi" seams. Nauch. trudy **KNIUI** no.2:28-55 '58.  
(MIRA 13:8)

(Karaganda Basin--Coal mines and mining)  
(Mine timbering)

TRUBNIKOV, N.V., kandidat tekhnicheskikh nauk, dotsent; POPOV, N.F.,  
kandidat tekhnicheskikh nauk, dotsent.

Number systems and methods of number conversion used in programming  
mathematical machines. Trudy MVTU no.55:7-25 '55. (MLRA 9:8)  
(Mathematical Instruments) (Numeration)

VOSTOKOV, A.I.; DERZHINSKIY, F.A.; YEPISHIN, A.S.; KATS, V.M.;  
KLEYMAN, B.M.; LEPESHKIN, I.P.; LIBKIND, L.I.[deceased];  
MEL'NIK, M.K.; POPOV, N.G.; STUDENETSKIY, V.A.;  
FRIDMAN, S.Ye.; SHAPIRO, A.I.; SILIN, P.M., prof.,  
retsenzent; VINOGRADOV, N.V., prof., retsenzent;  
FRITYKINA, L.A., red.

[Manual for a sugar worker] Spravochnik sakharnika. Mo-  
skva, Pishchepromizdat. Pt.1. 1963. 699 p.  
(MIRA 17:5)

KRESTOV, R.M.; DROBOT, V.M.; PAKHMANOV, D.M.; POPOV, N.G.

Concerning P.I.Sokolov's article "Reserve feed pumps with steam  
drives for boiler systems." Prom.energ. 19 no.7:27-29 J1 '64.  
(MIRA 18:1)

L 29699-66

ACC NR: AP6020849

SOURCE CODE: BU/0016/65/000/008/0471/0476

AUTHOR: Pukhlov, A.; Popov, N. G.; Astrug, A.; Dochev, D. 26  
B

ORG: Department of Hospital Therapeutics /headed by Professor A. Pukhlov/. VMI,  
Sofia (Katodra po bolnicina terapiya, VMI)

TITLE: Treatment of chronic renal insufficiency <sup>22</sup> with Lospedoza capitata extract  
(preparation Lespenophryl)

SOURCE: Suvremenna meditsina, no. 8, 1965, 471-476

TOPIC TAGS: drug treatment, urology, genitourinary system disease, genitourinary  
drug

ABSTRACT: Study of this French preparation in 69 patients with azatemia: treatment  
for 8 to 61 (average 23.1) days with average dose 195.3 "drops" daily; laboratory and  
clinical data indicate good results in 8, fair in 25, nil in 21, worse in 15. Possi-  
bly relatively poor results as compared to published data are due to chronicity; other  
authors treated mostly acute cases. Orig. art. has: 1 table. [Based on author's  
Eng. abst.] [JPRS]

SUB CODE: 06 / SUEM DATE: 00Mar65 / OTH REF: 008

Card 1/1 CC

POPOV, N.G.; TIKHOLOV, K.; DOCHEV, D.

Our experience with gastric acidity determination with the use  
of diagnex blue. Suvr. med. (Sofia) 15 no.12:27-32 '64



POPOV, N. G.

A case of echinococcosis of the kidney. Suvrem med., Sofia no.7:  
87-89 '61.

1. Katedra po bolnichna terapiia pri Visshia meditsinski institut,  
Sofia. Rukov. na katedrata prof. Al. Pukhlev.

(KIDNEY DISEASES case reports)  
(ECHINOCOCCOSIS case reports)

LEBEDEV, M.P., gornyy inzh.; VALUKHIN, Yu.K., gornyy inzh.;  
POPOV, N.G., gornyy inzh.

Using diamond drill holes for breaking ore. Gor. zhur. no.6:57-41  
Je '61. (MIRA 14:6)

1. TSentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy  
institut, Moskva.  
(Boring) (Blasting)

YEROFEYEV, N.S.; LODZHEVSKIY, I.G.; KUZ'MINA, O.A.; POPOV, N.G.

Basic results of geological prospecting operations conducted by the  
Union Geological Prospecting Bureau of the Main Administration of  
Urban Gas Supply of the U.S.S.R. in the western part of Central  
Asia. Trudy SGPK no.2:3-11 '61. (MIRA 14:11)  
(Soviet Central Asia--Petroleum geology)  
(Soviet Central Asia--Gas, Natural--Geology)

CHEREDNIK, V.A.; POPOV, N.G.

Accelerate the rate of mechanization in sugar refineries. Sakh.  
prom. 37 no.11:10-12 N '63. (MIRA 16:11)

1. Sovet narodnogo khozyaystva RSFSR.

POPOV, N. G.

Clinical observations on therapeutic properties of *Senecio nemorensis*  
(var. *bulgaricus*). *Suvr. med.* 12 no.8:69-80 '61.

1. Iz Katedrata po vutreshni bolesti i terapiia pri vissh meditsinski  
institut, Sofia (Rukov. na katedrata prof. Al. Pukhlev)

(SENECIO ther)

POPOV, N.G., inzh.

Rinsing of steam superheaters with saturated steam. Prom. energ.  
18 no.11:37 N '63. (MIRA 16:12)

PANTELEYEV, G.F.; POPOV, N.G.

Tectonics of the southern Aral Sea region. Trudy SGPK no.2:12-34  
'61. (MIRA 14:11)

(Aral Sea region--Geology, Structural)

POPOV, N.G.

Jurassic of the southern Aral Sea region. Trudy SGPK no.2:49-59  
'61. (MIRA 14:11)  
(Aral Sea region--Geology, Stratigraphic)



POPOV, N.G.; PANTELEYEV, G.F.

Kuma horizon of the southern Aral Sea region. Trudy SGPK no.2:  
73-82 '61. (MIRA 14:11)  
(Aral Sea region--Geology, Stratigraphic)

IVANOVA, V.A.; POPOV, N.G.; PANTELEYEV, G.F.

Recent data on the Paleogene stratigraphy of the southern Aral Sea region. Trudy SGPK no.2:99-158 '61. (MIRA 14:11)  
(Aral Sea region--Geology, Stratigraphic)

POPOV, N.G.

Valuation of capital assets and new amortization norms. Sakh.prom.  
37 no.2:42(122)-47(127) F '63. (MIRA 16:5)

1. Gosplan RSFSR.  
(Sugar industry--Valuation) (Amortization)

POPOV, N.G.; DOCHEV, D.

Treatment of hypertension with 2 new preparations. *Sovr. med.* 13  
no.10:3-8 '62.

(RESERFINE) (HYDRALAZINE) (HYDROCHLOROTHIAZIDE)  
(HYPERTENSION)

POPOV, P.K.; POPOV, N.G.; REZNIKOV, Z.O.; BOROVICH, I.L.; MOREYNIS, Ya.I.;  
RESH, G.S., red.; SOKOLOVA, I.A., tekhn. red.

[Technical, industrial, and financial plan for sugar plants;  
principles and methods of drawing them up] Tekhpromfinplan sakharnykh  
zavodov; printsipy i metodika sostavleniia. Moskva, Pishchepromizdat,  
1958. 147 p. (MIRA 11:12)

(Sugar industry)

POPOV, N.G.

Brief news: Coordination of the scientific activity of botanical institutions in the republic. Izv. Otd. est. nauk AN Tadjh.SSR no. 17:141-142 '56. (MIRA 11:8)

1. Uchenyy sekretar' Botanicheskogo instituta AN Tadjhikskoy SSR. (Tajikistan--Botany--Congresses)

POPOV, N.G., dotsent

Odontogenic mediastinitis. Stomatologiya 42 no.3:54-58 Vy-Je'63  
(MIRA 17:1)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - dotsent  
N.G. Popov) Voronezhskogo meditsinskogo instituta.

POPOV, N.G.

Insufficient utilization of the sources for the increase of sugar  
supplies. Sakh.prom. 34 no.6:4-6 Je '60. (MIRA 13:7)  
(Sugar industry)



POPOV, N.G.; ASTRUG, A.Kh.; MALAMOV, E.T.

Effect of natural factors on blood pressure and pulse in normal subjects. Suvrem. med., Sofia 6 no.3:21-34 1955.

1. Iz Katedrata po bolnichna terapiia pri Visshia meditsinski institut V.Chervenskov - Sofia (sav.katedrata: prof. Al.Pukhlev)

(BLOOD PRESSURE, physiology,

eff. of various normal funct. & physiol. states in normal subjects)

(PULSE,

eff. of various normal funct. & physiol. states in normal subjects)

POPOV, N.G., kand.med.nauk

Congenital marble disease and its manifestation in the maxillofacial region. Stomatologiya 38 no.6:57-58 N-D '59. (MIRA 13:4)

1. Iz kliniki gosspital'noy khirurgii (zaveduyushchiy - prof. V.P. Radushkevich) Voronezhskogo meditsinskogo instituta (direktor - prof. N.I. Odnorolov).

(JAWS--DISEASES)

POPOV, N.G.

More attention should be given to the work of separation plants. Sakh.prom. 34 no.2:6-8 F '60. (MIRA 13:5)

1. Gosplan RSFSR.  
(Sugar manufacture)

POPOV, N.G.

Toward the 21st Congress of the CPSU. Sakh. prom. 32 no.12:5-6  
D '58. (MIRA 11:12)  
(Sugar industry)

POPOV, N.G.

Sugar factories of the R.S.F.S.R. operating under the new conditions.  
Sakh. prom. 33 no.1:3-5 Ja '59. (MIRA 12:1)

1. Gosplan RSFSR.  
(Sugar industry)

POPOV, N.G.

Distribution and some phytocenological characteristics of the pistachio in Tajikistan. Izv. Otd. est. nauk AN Tadzh.SSR no. 18:67-79 '57. (MIRA 11:8)

1. Institut botaniki AN Tadzhikskoy SSR.  
(Tajikistan--Pistachio)

POPOV, N.G.

Classifying the pistachio stands of southwestern Tajikistan. Izv.  
Otd. est. nauk AN Tadzh. SSR no. 24:87-109 '57. (MIRA 11:10)

1. Institut botaniki AN Tadzhikskoy SSR.  
(Tajikistan--Pistachio)

POPOV, N. G. Cand Med Sci -- (diss) "Bioplastic treatment of postoperative  
bone cavities in cases of chronic osteomyelitis and cysts of the jaw."  
Voronezh, 1956. 16 pp 20 cm. (Voronezh State Med Inst. Chair of Hospital Surgery),  
100 copies  
(KL, 7-57, 109)

74



POPOV, N.G.; ASTRUG, A.Kh.; KOLEV, N.D.

Renal blood flow in hypertension. Suvrem. med., Sofia 8 no.12:26-32  
1957.

1. Iz Katedrata po bolnichna terapiia pri VMI--Sofia (Zav. katedrata:  
prof. Al. Pukhlev)

(HYPERTENSION, blood in  
renal blood flow in (Bul))

(KIDNEYS, blood supply  
blood flow in hypertension (Bul))

POPOV, N.G.

Results of socialist competition in November and December 1958.  
Sakh. prom. 33 no.2:5 F '59. (MIRA 12:3)  
(Sugar industry)

POPOV, N.G.; ASTRUG, A.Kh.; KGLEV, N.D.

Comparative studies on renal circulation in hypertension treated with various drugs. Suvrem. med., Sofia 9 no.2:3-18 Feb 58.

1. Iz Katedrata po bolnichna terapiia pri VMI; Sofia. (Zav. katedrata: prof. Al. Pukhlev).

(HYPERTENSION, physiol.

kidney circ., eff. of various drugs (Bul))

(KIDNEYS, blood supply

circ. in hypertension, eff. of various drugs (Bul))

*Popov, N. G.*

USSR/General Division. Scientific Institutions.

A-3

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 4665

Author : N. G. Popov

Inst :

Title : On the Coordination of the Scientific Activity  
of the Botanical Establishments of the Republic

Orig Pub : Izv. odt, yesteststv. nauk, AN Tadzh SSR, 1956,  
No 17, 141-142

Abstract : The conference was held in Stalinabad on 10-11  
May 1956. The program included the exchange of  
mutual information on the botanical establish-  
ments and of scientific research conducted in  
1956; a discussion of a plan for 1956-1960,  
and of work done in 1955; a discussion of appa-  
rent parallelisms and shortcomings in the work.

Card 1/1

POPOV, N.G.

Some wild species of alfalfa in Tajikistan. *Izv.Otd.est.nauk*  
AN Tadzh.SSR no.14:179-182 '56. (MLRA 9:10)

1. Institut botaniki AN Tadshikskoy SSR.  
(Tajikistan--Alfalfa)

POPOV, N. G.

IKONNIKOV, S.S.; ISMAILOV, M.; KNORRING, I.G.; KOROLEVA, A.S.; KUDRYASHEV, S.H.; MALEYEV, V.P.; MASLENNIKOVA, T.I.; NEVSKIY, S.A.; NIKITIN, V.A.; OVCHINNIKOV, P.N.; PLESHKO, S.I.; POPOV, N.G.; SIDORENKO, G.T.; CHUKAVINA, A.P.; SHIBKOVA, I.F.; BORISOVA, A.G., redaktor; VASIL'CHENKO, I.T., redaktor; NEUSTRUYEVA, O.E., redaktor; ZENDEL', R.Ye., tekhnicheskij redaktor

[Flora of the Tajik S.S.R.] Flora Tadzhikskoi SSR. Moskva, Izd-vo Akad.nauk SSSR. Vol.1. [Pteridophyta - Gramineae] Paprotnikoobraznye slaki. Glav.red. P.N.Ovchinnikov. 1957. 547 p. (MIRA 10:9)  
(Tajikistan--Botany)

POPOV, N.G.

Bioplastic surgery of bone cavities in chronic osteomyelitis and  
cysts of the jaws. Stomatologiya 35 no.6:41-44 N-D '56  
(MLRA 10:4)

1. Iz stomatologicheskogo otdeleniya gosital'noy khirurgicheskoy  
kliniki Voronezhskogo meditsinskogo instituta (dir. instituta i zav.  
kafedroy-doktor meditsinskikh nauk prof. V.P. Radushkevich) i  
Voronezhskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach-  
zasluzhennyy vrach RSFSR dotsent M.K. Komissarov)  
(OSTEOMYELITIS) (JAWS--TUMORS) (BONES--SURGERY)

YUSKOV, M.I.; POPOV, N.G.

Continuous-action drum cleaner. Lit.proizv.no.1:7 Ja '57.  
(MLRA 10:3)  
(Foundry machinery and supplies)



POPOV, N.G.

January results of the competition of sugar factories of the  
U.S.F.S.R. Sakh. prom. 33 no.4:3 Ap '59. (MIRA 12:6)  
(Sugar industry)

POPOV, N. G., Cand Biol Sci -- (diss) "Pistachio trees of southwestern Tadjhikistan." Stalinabad, 1958. 14 pp; 1 sheet of tables (Acad Sci Tadjhik SSR, Botanical Inst), 100 copies (KL, 16-58, 118)

- 41 -

L 14250-66 FSS-2/EWT(1)/FS(v)-3/T SCTB DD/RD

ACC NR: AT6003852

SOURCE CODE: UR/2865/65/004/000/0180/0187

AUTHOR: Popov, N. G.; Krichagin, V. I.; Borshchenko, V. V.; Savinich F. K.

ORG: none

56  
50

TITLE: Hygienic investigation of cosmonaut clothing designed for wear in a small space cabin under shirtsleeve microclimate conditions

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 180-187

TOPIC TAGS: cosmonaut hygiene, space suit, spacecraft capsule environment, space physiology, skin physiology, hygiene

ABSTRACT: Contemporary <sup>2, 44</sup>spacesuits worn continuously inflict considerable discomfort and inconvenience on the wearer. This has been one of the factors prompting development of shirtsleeve cabin atmospheres permitting the wearing of light, porous clothing.

The most important hygienic function of clothing is keeping the skin free of dirt. In space, where the various kinds of dust ordinarily present in the environment are absent, the main contaminants of skin and clothing are the products of human vital activity (skin gland secretions, sloughed epidermis, falling hair, and particles of urine and feces).

Card 1/3

L 14250-66

ACC NR: AT6003852

Weight penalties make the carrying of changes of underwear or the cleaning of underwear in flight impracticable. Therefore, ways must be found to enhance the skin cleaning capability of underwear.

Knitted fabric has a number of advantages: 1) better fit, 2) economy of space in packing, 3) convenience in placing physiological sensors. For shirtsleeve cabins, knitted sportswear was found best. Chamois slippers were worn as footgear.

Samples of the clothing were worn in thermo-chamber, cabin-mockup, and Vostok flight tests. In order to evaluate the skin-cleaning capability of the clothing, methods were devised to measure the degree of soiling by analyzing bath and wash water.

The clothing was worn in 30-day tests without washing, and the condition of the skin under the clothing was determined by clinical and laboratory methods. Skin condition is stated to have remained wholly satisfactory. Hyperkeratosis, scaling, some folliculitis simplex, isolated boils, dermatitis, and acne vulgaris were observed, but none of these conditions interfered with the work capacity of the subjects or prevented completion of the experimental program.

Card 2/3