

SIMONYAN, A.T.; BUNATYAN, V.P.; NANAGYULYAN, O.A.

Clinical manifestations of lambligenic hepatocholecystitis according to materials from the Hospital Therapeutic Clinic for 1954-1959. Trudy Erev.med.inst. no.11:261-265 '60.

(MIRA 15:11)

1. Iz gosptal'noy terapevticheskoy kliniki Yerevana (zav. klinikoy-prof. A.T.Simonyan) Yerevanskogo meditsinskogo instituta.  
(GIARDIASIS) (LIVER—DISEASES) (GALL BLADDER—DISEASES)

SIMONYAN, A.T., prof.; AYVAZYAN, A.A., kand.med.nauk

Laennec's cirrhosis of the liver. Trudy Erev.med.inst. no.11:267-  
272 '60. (MIRA 15:11)

1. Iz kafedry gospital'noy terapii (zav. - prof. A.T.Simonya)  
Yerevanskogo meditsinskogo instituta.  
(LIVER--CIRRHOSIS)

SIMONYAN, A.T., prof.; AYVAZYAN, A.A., kand.med.nauk; GYULIKEKHVYAN, N.G.;  
TOPCHYAN, A.A.

Data on the etiology, pathogenesis, and treatment of nephrosis.  
Sov.med. 25 no.2:24-36 F '61. (MIRA 14:3)

1. Iz kafedry gospital'noy terapii (zav. - prof. A.T. Simonyan)  
Yerevanskogo meditsinskogo instituta (direktor - dotsent S.N.  
Galstyan).

(KIDNEYS—DISEASES)

SIMONYAN, A. A., zasluzhennyy deyatel' nauki, prof.; HANAGYULYAN,  
O. A., kand. med. nauk; GYULIKEKHVYAN, N. G.; SINANYAN, R. T.;  
GRIGORYAN, Ye. A.

Therapeutic effectiveness of a preparation of vanilon. Vrach.  
delo no. 7044-46 J1 '62. (MIRA 15:7)

1. Klinika gospi-tal'noy terapii (zav. - zasluzhennyy deyatel'  
nauki, prof. A. T. Simonyan) Yerevanskogo meditsinskogo insti-  
tuta.

(CYCLOHEXANONE)

MNATSAKANOV, T.S., zasl. deyatel' nauki, prof., red.; SIMONYAN, A.T.,  
zasl. deyatel' nauki, prof., red.; KATANYAN, A.A., prof.,  
red.; DZHANZHUTOVA, R.S., doktor med. nauk, red.; SAAKYAN, A.,  
tekhn. red.

[Transactions of the 12th All-Union Conference of Theraputists:  
I. Pathology of the kidneys. II. Correlation between polyclinics  
and hospitals]Trudy dvenadtsatoy vsesoyuznoy konferentsii tera-  
pevtov: I. Patologiya pochek. II. Sviaz' poliklinik so statsiona-  
rami; stenograficheskiy otchet. Erevan, Aipetrat, 1962. 194 p.  
(MIRA 16:1)

1. Vsesoyuznaya konferentsiya terapevtov. 12th, Erivan, 1960.  
(KIDNEYS—DISEASES) (HOSPITALS)

SIMONYAN, A.T.; MELIK-ADAMYAN, A.A.

Pulmonary heart disease; diagnosis and treatment. Zhur. eksp.  
i klin. med. 2 no.6:45-55 '62. (MIRA 18:10)

1. Kafedra gospital'noy terapii Yerevanskogo meditsinskogo  
instituta.

JIMONIAN, I., AYVAZYAN, A.A.; PASHINYAN, S.A.

Hematological changes in periodic disease. Zhur. eksp. i klin.  
med. 5 no.1:12-18 '65. (MIRA 18:10)

SIMONYAN, E. G.

USSR/Cultivated Plants - Technical. Oleaginous. Sugar-Bearing. L-5

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69305

Author : Simonyan, E.G.

Inst :  
Title : A Comparative Study of Sunflower Fruition Using Morning  
and Evening Pollination.

Orig Pub : Izv. ZN ArmSSR, biol. i s.-kh. n., 1956, 9, No 10, 35-42

Abst : The Bulgaria variety was pollinated by the pollen of  
Fursinka 62 variety, which previously had its own pollen  
removed. The pollination was conducted at 9 a.m. and 9  
p.m. It was established that in day pollination all  
stages of fruition occur faster than in night pollina-  
tion. Thus, outpouring of contents of pollen tube into  
the green-sac occurred in 50 minutes after pollination,  
the penetration of the sperm into the cytoplasm of the  
ovocell in 1 hour, its implantation into the nucleus and  
appearance of additional small nuclei in the nucleus of

Card 1/2



SEYMEN GA

36497. AVAKOV, A. A. i SEYMEN GA. Opyt Ispolneniya Skerostnykh Metod.Ov Resaniya Na PRC. In Stalina. Sbornik Trudov Tallis. In-Ta Inzhenerov Zh - D. Transporta In Ienina, VII - XVII, 1948 s 647-54

SO: Letopis' Zhurnal'nykh Statoy Vol. 50, Moskva, 1949

5(4) SOV/119-59-10-15/19  
AUTHORS: Rubinshteyn, I. M., Engineer, Simonyan, G. A., Engineer  
TITLE: New Instruments for Determining the Composition of a Substance  
PERIODICAL: Priborostroyeniye, 1959, Nr 10, pp 26 - 30 (USSR)  
ABSTRACT: A number of new instruments were developed at the Samostoyatel'-noye konstruktorskoye byuro priborov i sredstv avtomatizatsii (SKBPSA) (Independent Design-office for Instruments and Automation Devices). A portable rod pH-meter of the type PShP-58, which is suitable for the control of the hydrogen-ion concentration in aqueous solutions under industrial conditions, is first described in the paper under review. A similar instrument of the type PPP-58 is suitable for the determination of the hydrogen-ion concentration in salt extracts from the soil. A number of measurements can be carried out simultaneously with the pH-meter of the type PLP-58. The instrument consists of a multi-electrode block and of a measuring instrument of the type PPP-58. The automatic electronic pH-meter of the type AEP-58 is used for measuring, recording and controlling the technological solutions in the textile industry. The installation consists of a pick-up for the pH value, a unit-type pH-meter of the type PVU (deve-

Card 1/2

New Instr. for Determining the Composition of a  
Substance

SOV/119-59-10-15/19

veloped at the TsLA) (Central Laboratory for Automation), and an automatic electronic potentiometer of the type EPP-09. The automatic photocolormeter of the type AFK-57 is discussed as a further instrument. In this instrument, the light absorption is compared photocolormetrically between the solution to be measured and a standard. The instrument is used for boiling processes of sulfite-cellulose. The automatic flue-gas controller of the type ARDM-58 measures, records and controls the flue-gas density, and is used in the fish- and meat-industry. The automatic fume-detector of the type ASZ-58 is used in the production of sulfite cellulose for indicating the appearance of undesirable  $SO_3$  within the sulfur gas. The detector operates photoelectrically and is of high sensibility. Finally, the automatic smoke-detector of the type AKSD-57 for ships is discussed. The instrument belongs to the group of photoelectric detectors, for which the air is ducted by ventilators from the rooms to be controlled thru the pick-up and thru a viewing chamber. There are 8 figures.

Card 2/2

SIMONYAN, G.A.

Hydraulic calculation of side spillways. Izv. AN Arm. SSR. Ser.  
tekhn. nauk 14 no. 1: 17-26 '61. (MIRA 14:3)

1. Moskovskiy institut inzhenerov vodnogo khozyaystva im. V.R.  
Vil'yamsa.

(Spillways)

SIMONYAN, G.A.

Determining the discharge capacity of a side spillway. Izv.  
AN Arm. SSR. Ser. tekhn. nauk 16 no.6:35-39 '63. (MIRA 17:1)

1. Institut vodnykh problem AN Armyanskoy SSR.

USSR / Cultivated Plants. Medicinal. Essential Oil- M-7  
Bearing. Toxins.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6488

Author : Tavberidze, I. A.; Simonyan, G. A.  
Inst : Sukhumi Zonal Experimental Station  
Title : Contribution to the Problem of Cultivation  
of Pink Geranium in the Ararat Valley

Orig Pub : Tr. Sukhumsk. zonal'n. opytn. st. efiro-  
maslichn. kul'tur, 1957, vyp 2, 145-149

Abstract : The results of experiments on the cultivation  
of pink geranium (Pelargonium roseum Willd.)  
in Armenia at the Oktemberyanskiy base of  
ZOS are given in this paper. The effect of  
the period and number of cuttings (mowings)  
on the yield of geranium was studied. The  
effect of the period of fall cuttings on

Card 1/2

164

USSR / Cultivated Plants. Medicinal. Essential Oil- M-7  
Bearing. Toxins.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6488

hibernation, the development of the maximum sowing density, the effect of mineral fertilizers and the influence of preceding crops were also studied. It was established that by utilizing necessary cultivation practices, it is possible to obtain 25 - 30 tons of green mass and 26 - 32 kg of essential oil per ha. Growing of geranium styles by sowing plants in areas of 90 x 90 cm guarantees a yield of standard scions of up to 150 thousand per ha. This data as well as the data on geranium yields from model plots in some kolkhozes permits one to conclude that the cultivation and production of high yields of geranium is quite possible in the Ararat Valley. -- A. G. Vyatkina

Card 2/2

SERGEYEVA, T.Ya.; POPOV, V.I.; SIMONYAN, G.A., vet. vrach.

Specific prophylaxis of swine plague. Veterinariia 35 no.10:38-43  
O '58. (MIRA 11:10)

1.Nauchno-proisvodstvennaya laboratoriya Ministerstva sel'skogo  
khozyaystva RSFSR (for Sergeyeva, Popov). 2.Sovkhoz "Ramenskoye." (for  
Simonyan).

(Swine plague)



SIMONYAN, G.A., aspirant

Morphological changes in the blood and punctate of the marrow  
of cows suffering from leukemia. Veterinariia 40 no.6:33-38  
Je '63. (MIRA 17:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

SIMONYAN, G.A., aspirant

Diagnosis of leukemia in cattle. Veterinariia 40 no.10:  
65-67 0'63. (MIRA 17:5)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

SIMONYAN, G.S.

Novocaine therapy of nocturnal enuresis. Sov. med. 23 no.3:95-98 M  
'59. (MIRA 12:4)

1. Iz Vyazemskoy gorodskoy bol'nitsy (glavnyy vrach N.S. Futornyy).  
(URINATION DISORDERS, ther.  
nocturnal incontinence, procaine nerve block (Rus))  
(PROCAINE, ther. use,  
nocturnal urinary incontinence, nerve block (Rus))  
(ANESTHESIA, REGIONAL, in var. dis.  
procaine block in nocturnal urinary incontinence (Rus))

SIMONYAN, G.A.

Possible forms of the free surface of a flow in prismatic channels in the lateral spillway area. Izv.AN Arm.SSR.  
Ser.tekh.nauk 15 no.2:33-39 '62. (MIRA 15:6)

1. Institut vodnykh problem AN Armyanskoy SSR.  
(Hydrodynamics)

ARZUMANYAN, S.K.; SIMONYAN, G.P.

Recent tectonics of the Araks salt-bearing basin. Dokl. AN Arm.  
SSR 39 no.1:45-48 '64. (MIRA 17:8)

1. Upravleniye geologii i okhrany nedr pri Sovete Ministrov ArmSSR  
i Yerevanskiy gosudarstvennyy universitet. Predstavleno chlenom-  
korrespondentom AN ArmSSR A.A.Gabriyelyanom.

SIMONYAN, K.

Prospects for the development of the construction industry and  
the building materials industry in the Armenian S.S.R. 1961.  
Arm. 4 no.10:10-13 0 1961. (MIRA 14:11)  
(Armenia - Building materials, Industry)  
(Armenia - Construction industry)

21986

S/022/61/014/002/004/008  
B112/B203

21.2000

AUTHOR: Simonyan, Kh. A.

TITLE: Passage through the square resonance in a synchrotron with stable focusing

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR. Seriya fiziko-matematicheskikh nauk, v. 14, no. 2, 1961, 71-78

TEXT: In a synchrotron with fixed focusing, a study has been made of the joint buildup effect of the fluctuation of square nonlinearity on the one hand, and the asymmetry of the field with respect to the orbital plane ( $z = 0$ ) on the other.

$\delta \left( \frac{1}{2} \frac{\partial^2 H}{\partial r^2} \right)$  characterizes the fluctuation of square nonlinearity, and  $\partial^2 H / \partial r \partial z$  the asymmetry of the field with respect to the orbital plane. The solutions of the equations of motion have the form:  $x_k(\psi) = a_k \psi_k + a_k^* \psi_k^*$ , where  $\psi_k$  and  $\psi_k^*$  are two linearly independent solutions of the equations of motion

Card 1/3

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Passage through ...

without perturbation term, and the coefficients  $a_k$  and  $a_k^*$  are determined by the method of "variation of constants". The functions  $\psi_k$  have the following structure:

$$\psi_k(\vartheta) = f_k(\vartheta) e^{i \int f_k d\vartheta}, \quad f_k(\vartheta + 2\pi) = f_k(\vartheta).$$

True resonance occurs in the cases:  $3\nu_{r,z} = k/M$  and  $2\nu_{r,z} + \nu_{z,r} = k/M$  ( $M = \text{number of periodic sectors}$ ).

The author gives estimates on the increase in amplitude, particularly for radial oscillations in a single passage through the region of square resonance. In this region, expansion in the following series is possible:

$$v(\vartheta) = v_{res} + \left(\frac{dv}{d\vartheta}\right)_{res} (\vartheta - \vartheta_{res}) + \frac{1}{2} \left(\frac{d^2v}{d\vartheta^2}\right)_{res} (\vartheta - \vartheta_{res})^2 + \dots$$

In the case  $v'_{res} \neq 0$ , a rough estimate on the mean value of the increase in the amplitude factor gives:

Card 2/3



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Passage through ...

$$\overline{\Delta A^2} = 0.5 \cdot 10^{-3} \left(\frac{11M}{\rho}\right)^2 \frac{w_0 |\varphi|_{\max}^4}{\Omega w^2 (\Delta v)_{\max}} A^4 \left(\frac{H_2}{H}\right)^2 ; \text{ in the case } v'_{\text{res}} = 0:$$

$$\overline{\Delta A^2} = 0.72 \cdot 10^{-3} \left(\frac{11M}{\rho}\right)^2 \frac{|\varphi|_{\max}^4}{w^2} \frac{M^{1/3}}{(\Delta v)_{\max}^{2/3}} \left(\frac{w_0}{\Omega}\right)^{4/3} A^4 \left(\frac{H_2}{H}\right)^2 \text{ with}$$

$H_2/H = \frac{1}{2} \frac{\partial^2 H / \partial r^2}{H}$ . The author thanks Yu. F. Orlov for proposing and reviewing the present study. There are 4 references: 2 Soviet-bloc.

ASSOCIATION: Fizicheskiy institut AN Armyanskoy SSR (Institute of Physics of the AS Armyanskaya SSR)

SUBMITTED: May 26, 1960

Card 3/3

X

S/120/62/000/003/003/048  
E052/E114

9,4/30

AUTHOR: Simonyan, Kh.A.

TITLE: Focusing properties of a spiral magnetic quadrupole lens

PERIODICAL: Priroda i tekhnika eksperimenta, no.3, 1962, 27-29

TEXT: An analysis is given of the motion of a charged particle in a magnetic field with a gradient whose hodograph takes the form of a spiral. The general equations for the transverse motion are derived and solved on the linear approximation. On this approximation the field is identical with the field of a quadrupole lens with hyperbolic poles in each  $z = \text{const}$  section. The field can therefore be produced by a spiral quadrupole lens whose characteristic property is the absence of instability bands in the region of stable motion. A study of the stable-motion trajectories has shown that this type of lens has double focusing properties but possesses considerable astigmatism.

ASSOCIATION: Fizicheskii institut AN ArmSSR (Physics Institute, Academy of Sciences Armenian SSR)

SUBMITTED: September 25, 1961  
Card 1/1

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EWT(1)/EWT(m)/BDS AFFTC/ASD 00

ACCESSION NR: AP3005263

S/0056/63/045/002/0173/0176

56

AUTHORS: Simonyan, Kh. A.; Orlov, Yu. F.

TITLE: Anomalous resonance spin flip of a particle in a magnetic field

SOURCE: Zhur. eksper. i teoret. fiz., v. 45, no. 2, 1963, 173-176

TOPIC TAGS: spin flip, anomalous precession frequency, magnetic moment, electron, muon

ABSTRACT: It is shown that resonance spin flip can be induced in a particle rotating in a constant magnetic field by a weak high-frequency radial or azimuthal magnetic field of frequency equal to the anomalous part of the spin-precession frequency. Resonance slip flip is of interest because it can increase by some 700 times the accuracy with which the magnetic moments of electrons and muons can be measured by the high-frequency method, and the author shows that the perturbation frequency need not be equal to the entire precession frequency, but only to its anomalous part. Orig. art. has: 14 formulas.

ASSOCIATION: Fizicheskij institut GKAE, Yerevan (Physics Inst. State Atomic Energy Comm.)

SUBMITTED: 13Dec62

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: PH

NO REF SOV: 002

OTHER: 002

Card 1/1

L 2156-66

ACCESSION NR: AT5007963

UR/0000/64/000/000/0915/0918

15  
13  
Btl

AUTHOR: Simonyan, Kh. A.

TITLE: Acceleration of polarized particles in cyclic accelerators 17

SOURCE: International Conference on High Energy Accelerators. Dubna, 1963.  
Trudy. Moscow, Atomizdat, 1964, 915-918

TOPIC TAGS: high energy accelerator, electron polarization, electron accelerator

ABSTRACT: The possibility of the acceleration of polarized particles has been discussed in the West (Froissart, Stora, R. Nucl. Instrum. & Methods (1960); Lobkowitz, Thorndike, Rev. Sci. Instrum. (1962); Cohen, ibid. (1960)). It was shown that the injected beam with initial orientation of spin along the magnetic field  $H_0$  in the process of acceleration passes through depolarizing resonances for energies  $E$  determined by the equation

$$G \frac{E}{mc^2} = N_1 + N_2 \mu_z + N_3 \mu_r + N_4 \mu_\phi$$

where  $\mu_{r,z}$  is the number of free oscillations each revolution;  $G = (g-2)/2$ ;  $g$  is the gyromagnetic ratio; and  $N_i$  are integral numbers. In the present work the author

Card 1/3

L 2156-66

ACCESSION NR: AT5007963

discusses the depolarizing effects in electron accelerators with soft and rigid focusing, in synchrotron-accumulators, and also in proton nonlinear-focusing phase-trons. Investigating the classical relativistic equation for the 4-component spin vector (Bargman, et al., *Phys. Rev. Let.*, 2, 435, (1959)), the author found that the main resonances in the machines arise because of the radial component of the magnetic field:

$$H_r = H_0 \left( h(x) - \frac{n}{Q} z \right),$$

where

$$h(x) = \frac{\Delta H_r}{H_0}; \quad Q = \frac{cH_0}{pmc^2};$$

Here  $\Delta H_r$  are the characteristic perturbations of the magnetic field;  $P$  is particle momentum in units of  $mc$ ;  $h$  is the magnetic field drop index;  $x$  is the coordinate along the motion;  $z$  is the deviation from the orbit plane. For particle beams these resonances can be resolved in two types: a) noncoherent resonances arising because of free  $x$ -oscillations, and b) coherent resonances arising because of characteristic perturbations of the magnetic field and the forced  $x$ -oscillations connected with them. During passage through these resonances the following occur: in the first case depolarization, and in the second case change of direction of particle polarization, which the author calls respectively effects of noncoherent

Card 2/3

L 2156-66  
ACCESSION NR: AT5007963

and coherent depolarization. The calculations are conducted for a single particle, after which the results are generalized to the case of a beam. In conclusion it is noted that complete beam depolarization occurs in the synchrotron-accumulators and the nonlinear-focusing phasotron, and that it is possible to accelerate polarized particles in the electron accelerator with rigid focusing. It is impossible to avoid here uncontrollable coherent variation of beam polarization, which can, however, repeat from cycle to cycle. Coherent variation in the polarization can be corrected if the perturbation repeats from cycle to cycle with a certain indicated accuracy. "The author thanks Yu. F. Orlov for his valuable comments." Orig. art. has: 13 formulas. 2

ASSOCIATION: Fizicheskiy institut GKAE SSSR (Physics Institute, GKAE SSSR)

SUBMITTED: 26May64

ENCL: 00

SUB CODE: NP. 55

NO REF SOV: 003

OTHER: 004

Card 3/3 *dy*

SIMONYAN, Kh. M.

SIMONYAN, Kh. M.: "Increasing the productivity, and brief characteristics of 'loriy' animals by mixing in Swiss animals under conditions of the Marutin breeding farm in the Armenian SSR." Min Higher Education USSR. Yerevan Zooveterinary Inst. Yerevan, 1956. (Dissertation for the Degree of Candidate in Agricultural Science.)

Knizhnaya Letopis'  
No 32, 1956. Moscow.

USSR / Farm Animals. Cattle.

Q-2

Abstr Jour: Ref Zhur-Bioli, No 12, 1958, 54743.

Author : Simonyan, Kh. M.

Inst : NOT given.

Title : The Effect of Different Types of Feeding upon the Growth and Development of Calves.

Orig Pub: Tr. arm. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, 2, 1932.

Abstract: The calves of the experimental group composed of hybrids and of purebred Schwyzes were fed during the first six months 20.8% less whole milk and 24.9% less skimmilk than those in the control group; instead, they were receiving 29 kg. of silage and 365 kg. of grass. During a period from 6 to 12 months, they received 50% (121 kg.) less of concentrates, 23.8% (187 kg.) more of hay, and 24.7% (190 kg.) more of silage

Card 1/2

pondering weight increase was 733 g. and 740 g.; from 6 to 12 months, the weight gain was 563 g. and 543 g., 553 g. and 553 g., respectively.

Card 2/2





SHANNAN, T. C.

"Effect of Non-specific Serum on the Basic Physiological Processes of the Organism in Man and Animals." Thesis for degree of Cand. Biological Sci. Sub 15 Jan 60, Moscow Chemico-technological Inst of Food Industry

Summary 71, 1, Sep 62, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1962. From Vechernyaya Moskva, Jan-Dec 1966.

SIMONYAN, E. S.

176T84

USSR/Medicine - Serum

Apr 50

"Reactions to Injection of Species Nonspecific Serum," K. S. Simonyan, Inst imeni Sklifosovskiy

"Sov Med" No 4, pp 26, 27

Conducts series of 1,000 injections of Belen'kiy's species nonspecific serum, made from blood of cattle, into man to test its initial toxic and anaphylactic properties. Reactions observed in 98 of the injections. Size of dose of serum did not affect character or magnitude of reaction. Serum can be used for transfusion in multiple stages with any time interval. Dir, Inst imeni Sklifosovskiy, B. V. Nifontov; Head, 3d Surg Clinic, D. A. Arapov; Chief Surg, B. A. Petrov.

176T84

SIMONYAN, K. S.

PA 171T70

USSR/Medicine - Blood, Serum  
Anaphylaxis and Allergy

Jul 50

"Utilization of the Blood of Agricultural Animals:  
Report 10, Data on the Control of the Anaphylactogenic  
Properties of Species Nonspecific Serum," K. S.  
Simonyan, Third Surg Clinic, Inst imeni Sklifosovskiy.

"Dok v-s Ak Selkhoz Nauk" No 7, pp 43-47

Data on various single and multiple injections of  
large and small doses of subject serum demonstrates  
serum does not cause anaphylactic shock. Noted no  
reaction in 3,000 injections. Five tables. Sub-  
mitted 23 May 50 by Acad N. G. Belen'skiy.

171T70

CA

The utilization of the blood of farm animals. K. S. Simonyan. *Doklady Vsesoyuz. Ordona Lenina Akad. Nauk SSSR*. V. 1, Lenina 15, No. 3, 45-9 (1950).—Clinical cases are cited showing that nonspecific types of blood serum of farm animals contain a protein that is easily taken up by the human organism. Intravenous introduction of this protein does not increase the liberation of protein in the juices of the stomach. This serum is considered of great importance in combating hypoproteinemia. It proved useful in surgery and should also be useful in medicine in general. J. S. Joffe

*Simonyan, K.S.*

SIMONYAN, K.S.; SIROTKINA, K.I.

Liver function in thyrotoxicosis. Klin.med., Moskva 18 no.10:88  
Oct 50. (CLML 20:4)

1. Of the Third Surgical Clinic (Director--Prof.D.A.Arapov), Mos-  
cow Municipal Scientific-Research Institute of First Aid imeni  
Sklifosovskiy (Director of Institute--B.V.Nifontov).







VYGODCHIKOV, G.V.; SOKOLOV, S.K.; KOLESNIKOVA, M.Kh.; TSURINOVA, Ye.G.;  
SIMONYAN, K.S.; KASHINTSEVA, N.S.; GIL'GUT, Ye.A.

Comparative studies on various methods for preventing tetanus in nonvaccinated subjects; passive and active methods of prophylaxis. Zhur.mikrobiol. epid. i immun. 27 no.12:77-83 D '56. (MLRA 10:1)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.F.Garalei AMN SSSR.

(TETANUS, prevention and control,  
active & passive methods (Rus))

SIMONYAN, K.S., kandidat meditsinskikh nauk

Acute intestinal obstruction caused by an intestinal anastomosis  
stump. Khirurgia 32 no.6:67 Je '56. (MLRA 9:10)

1. Iz khirurgicheskogo otdeleniya (zav. K.S.Simonyan) Moskovskoy  
bol'nitsy skoroy pomoshchi No.27 (glavnyy vrach N.G.Doyev)  
(INTESTINALS—OBSTRUCTION)

АРАПОВ, Д.А.; СИМОНЯН, К.С.

[N.G.Belen'kii's serum in clinical practice] Lechebnaia syvorotka  
N.G.Belen'kogo v klinicheskoi praktike. Moskva, Medgiz, 1957.  
137 p. (MLBA 10:7)  
(SERUM THERAPY)

ZALKIND, Semen Yakovlevich, prof., SIMONYAN, K.S., red.; GOL'TSMAN, O.G.,  
red.izdatel'stva; GAMZAYEVA, M.S., tekhn.red.

[Il'ia Il'ich Mechnikov; his life and work] Il'ia Il'ich Mechnikov;  
zhizn' i tvorcheskii put'. Moskva, Gos.izd-vo "Sovetskaiia nauka,"  
1957. 156 p. (MIRA 10:12)

(Mechnikov, Il'ia Il'ich, 1845-1916)

SIMONYAN, K.S. (Moskva, K-4, ul. Alekseya Tolstoga, d.No.9, kv.12)

Pathogenesis of acute intestinal obstruction. Nov.khir.arkh. no.5:  
111-113 S-0 '59. (MIRA 13:3)

1. Khirurgicheskoye otdeleniye Moskovskoy gorodskoy bol'nitsy skoroy  
pomoshchi No.27.  
(INTESTINES--OBSTRUCTIONS) (PROTEIN METABOLISM)

KHRISTICH (LESSIK), Agaf'ya Dmitriyevna; SIMONYAN, K.S., red.; ELISEYEVA,  
A.V., red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Innervation and blood supply of transplanted vessels and  
extremities] Innervatsiia i krovosnabzhenie peresazhennykh  
sosudov i konechnostei. Moskva, Gos.izd-vo med.lit-ry, Medgiz,  
1960. 144 p. (MIRA 14:1)

(BLOOD VESSELS--TRANSPLANTATION)  
(EXTREMITIES (ANATOMY)--TRANSPLANTATION)

KHURAMOVICH, Nadir Ismaylovich; SIMONYAN, K.S., red.; LYUDKOVSKAYA, N.I.,  
tekhn.red.

[Reinfusion of blood in surgery] Reinfuziia krovi v khirurgii.  
Moskva, Gos.izd-vo med.lit-ry Medgiz, 1961. 96 p.

(MIRA 14:6)

(BLOOD—TRANSFUSION)

SIMONYAN, Kirill Semenovich; BLISEYEVA, A.V., red.; SENCHILO, K.K.,  
tekhn. red.

[Protein disorders in the pathogenesis of acute intestinal  
obstruction] Belkovye narusheniia v patogeneze ostroi kischechnoi  
neprokhodimosti. Moskva, Medgiz, 1961. 125 p. (MIRA 14:11)  
(INTESTINES--OBSTRUCTIONS) (PROTEIN METABOLISM)



VINGRADOV, Vladimir Vladimirovich; SIMONYAN, K.S., red.; BALDINA,  
N.F., tekhn. red.

[Diseases of Vater's papilla] Zabolevaniia faterova soska.  
Moskva, Medgiz, 1962. 123 p. (MIRA 15:8)  
(DUODENUM--DISEASES)

GROZDOV, Dmitriy Mitrofanovich; PATSIORA, Mariya Dem'yanovna;  
SIMONYAN, K.S., red.; BALDINA, N.F., tekhn. red.

[Surgery in diseases of the blood system]Khirurgiiia zabo-  
levanii sistemy krovi. Moskva, Medgiz, 1962. 274 p.  
(MIRA 15:10)

(SPLEEN--SURGERY) (BLOOD--DISEASES)

SIMONYAN, K.S.

Horizontal intestinal plication in adhesive disease. Vest.khir.  
no.1:68-72 '62. (MIRA 15:1)

1. Iz Moskovskoy gorodskoy klinicheskoy bol'nitsy No.67 (gl.  
vrach - L.V. Petropol'skaya).  
(ADHESIONS (ANATOMY)) (SURGERY)

SHIMANKO, I.I.; SIMONYAN, K.S., red.; KOKIN, N.M., tekhn. red.

[Physical therapy of surgical diseases and of the sequelae  
of injuries] Fizioterapiia khirurgicheskikh zabolevanii i po-  
sledstviu travmy. Moskva, Medgiz, 1962. 263 p.

(MIRA 16:1)

(PHYSICAL THERAPY) (TRAUMATISM) (SURGERY)

SHNEYE, A.Ya.; CHAKHUNASHVILI, O.S.; SIMONYAN, K.S., red.; KOKIN,  
N.M., tekhn. red.; BASHMAKOV, G.M., tekhn. red.

[Prolonged local anesthesia as a therapeutic method]  
Dlitel'noe mestnoe obezbolivanie kak lechebnyi metod.  
Moskva, Medgiz, 1963. 85 p. (MIRA 17:1)



PSHENICHNIKOV, Vladimir Il'ich; BRUSENTSOVA, Valentina Aleksandrovna;  
SIMONYAN, K.S., red.; BASHMAKOV, G.M., tekhn. red.

[Pathogenetic treatment of obliterating diseases of the  
extremital arteries] Patogeneticheskaja terapiia obliteriru-  
iushchikh zabolevanii arterii konechnostei. Moskva, Medgiz,  
1963. 175 p. (MIRA 16:6)

(EXTREMITIES (ANATOMY))--BLOOD SUPPLY)  
(ARTERIES--DISEASES)

BABICHEV, Stepan Ivanovich; SIMONYAN, K.S., red.; LYUDKOVSKAYA, N.I.,  
tekhn. red.

[Total gastrectomy]Total'naiia gastrektomiia. Moskva, Medgiz,  
1963. 194 p. (MIRA 16:3)  
(STOMACH--SURGERY)

SHAWA, Kirill Leonovitch

[Paths of a career; paper book for the use of the  
S.S. Udin] Put' knizhnykh i zhurnalnykh izdaniy  
S.S. Udine. Moskva, 1971. 23 p. (100-110)



ELINOVA, Nina Yaronlavna; SH ONYAN, K.S., red.

[Work experience of the Gorkiy Province Blood Service]  
Opyt raboty Gor'kovskoi oblastnoi sluzhby krovi. Mo-  
skva, Meditsina, 1964. 73 p. (MIRA 17:12)

1. Direktor Gor'kovskoy oblastnoy stantsii perelivaniya  
krovi (for Klizova).

SILONYAN, Kirill Semenovich, kand. biol. nauk; LAGUTINA, Ye.V.,  
red.

[Prior to the arrival of the doctor] Do prikhoda vracha.  
Moskva, Izd-vo "Znanie," 1964. 52 p. (Narodnyi universi-  
tet kul'tury: fakul'tet zdorov'ia, no.19)

(MIRA 17:11)

RAIKAN, M. (1961) [Title in Cyrillic].

(Conservative treatment of anal fissures under out-patient polyclinic conditions) Konservativnoe lechenie anal'nykh trещerin v ambulatorno-poliklinicheskikh usloviyakh. Moskva, Meditsina, 1961. 10 p.

(NKA 100)

SIMONYAN, L.A.

Some radicals of Lie algebras. Sib. mat. zhur. 6 no.5:1101-1107  
S-0 '65. (MIRA 18:10)

GAMBARYAN, N.P.; SIMONYAN, L.A.

*p,p*.Bis(trifluoromethyl)glycidol ester. Izv. AN SSSR. Ser.  
anim. no.8:1529-1530 Ag '64. (MIRA 17:9)

I. Institut elementoorganicheskikh soedineniy AN SSSR.

GAMBARYAN, N.P.; SIMONYAN, L.A.; KNUNYANTS, I.L., akademik

Case of unusual addition of diazoacetic ester to ketones. Dokl.  
AN SSSR 155 no. 4:833-835 Ap '64. (MIRA 17:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

SERONYAN, L.A.

Two radicals of Lie algebras. Dokl. AN SSSR 157 no. 2:  
231-233 J1 '64. (MIRA 17:7)

1. Predstavleno akademikom A.I. Mal'nevym.

L 20635-66 EWP(j)/EWT(m) RM/WW

ACC NR: AP6011196

SOURCE CODE: UR/0413/66/000/006/0027/0027

INVENTOR: Knunyants, I. L.; Gambaryan, N. P.; Livshits, B. R.; Simonyan, L. A.

ORG: none

TITLE: Preparative method for diphenylbis(trifluoromethyl)methane-4,4'-dicarboxylic acid, Class 12, No. 179764

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 27

TOPIC TAGS: fluorinated organic compound, carboxylic acid

ABSTRACT: An Author Certificate has been issued for a preparative method for diphenylbis(trifluoromethyl)methane-4,4'-dicarboxylic acid. The method involves the reaction of hexafluoroacetone with toluene in the presence of anhydrous hydrogen fluoride, and subsequent oxidation of the reaction product with dilute nitric acid.

[SM]

SUB CODE: 07/ SUBM DATE: 04Nov63/ ATD PRESS: 4225

Card 1/1

UDC: 547.539.16'584.05



L 21002-65 EWP(k)/EWT(d)/EWT(m)/EWP(h)/EWP(b)/T/EWA(d)/EWP(l)/EWP(w)/EWP(v)/EWP(t)/  
PX-4/ AEDC(\*) JD

ACCESSION NR: AR5000728

S/0277/64/000/009/0002/0002

SOURCE: Ref. zh. Mashinostroitel'nyye materialy\*, konstruksii i  
raschet detaley mashin. Gidroprivod. Otd. vy\*p., Abs. 9.48.14

AUTHOR: Zodelava, G. L.; Simonyan, L. G.

TITLE: The problem of fatigue of machine parts at high temperatures

CITED SOURCE: Tr. In-ta mashinoved. AN GruzSSR, v. 1, 1963, 49-55

TOPIC TAGS: metal fatigue strength, machine part, high temperature  
effect

TRANSLATION: Review article. Covers the effect of frequency and  
test temperature on fatigue strength, as well as the effect of  
structure, corrosion, and concentration of stresses on fatigue  
strength at high temperatures. 5 literature titles.

SUB CODE: MM

ENCL: 00

Card 1/1

ABSTRACT: ...

Study of the electro-optical properties of bentonite. 1zv.

In Arm. Sov. Ser. fiz.-mat. nauk 18 no. 119-139 '65.

(PIFA 18:6)

L. Terzianskiy, Odesskiy universitet.

SIMONYAN, M.

Lenin readings. Nauka i zhizn' 27 no. 4:34 Ap '60. (MIRA 14:5)

1. Referent Pravleniya Vsesoyuznogo obshchestva po rasprostraneniyu  
politicheskikh i nauchnykh znaniy.  
(Lenin, Vladimir Il'ich, 1870-1924)

SIMONYAN, H.M., kand. sel'skokhoz. nauk

Winter wheat in Armenia. Zemledelie 26 no.8:64-65 Ag '64.  
(MIRA 17:11)

1. Arnyanskiy nauchno-issledovatel'skiy institut zemledeliya.

SIMONYAN, M. M.

"Investigation Of Some Methods for Increasing the Spring Wheat Yield Under the Conditions which Exist in the Akhtinsk Region of the Armenian SSR." Cand Agr Sci, Armenian Agricultural Inst, Yerevan, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

MATSKEVICH, Vladimir Vladimirovich; SIMONYAN, M.N., otv. za vypusk;  
BALAYEV, A.A., red.; KOGAN, Ye.L., red.; SAVCHENKO, Ye.V.,  
tekhn.red.

[Lenin's "cooperative plan" and the struggle of the Communist Party for the rapid development of agriculture] Leninskii kooperativnyi plan i bor'ba kommunisticheskoi partii za krutoi pod'em sel'skogo khoziaistva; lektsiia iz tsikla "Leninskikh chtenii," pročitannaia v Kremlevskom teatre g. Moskvy. Moskva, Izd-vo "Znanie," 1960. 32 p. (Vsesoiuznoe obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh znaniu, Ser.12, Bibliotekhka sel'skogo lektora, no.11). (MIRA 13:8)

1. Ministr sel'skogo khozyaystva SSSR (for Matskevich).
2. Referent Pravleniya Vsesoyuznogo obshchestva po rasprostraneniuiu politicheskikh i nauchnykh znaniu (for Simonyan).  
(Cooperation) (Agriculture)

SECRET

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2. This information is being furnished to you for your information only. It is not to be disseminated outside your agency without the express approval of the originator. (S) (U) (C) (R) (S) (U) (C) (R)

MEERSON, F.Z.; PARIN, V.V.; GIBB, N.A.; SEBASTIAN, N.T.; ROMANOVA, I.A.

Effect of actinomycin D on the development of the compensatory hyperfunction of the myocardium, kidney and liver. Acta biol. acad. sci. Hung. 15 no.4:375-382 1965.

1. Laboratory of Physiology and Pathology of the Myocardium (Head: F.Z. Meerson) and Institute of Normal and Pathological Physiology of the Academy of Medical Sciences (Head: V.V. Parin).



J. M. NEAL, ...

Materials on the mycoflora of Mavri District of the Armenian S.S.R.  
Izv. AN Arm. SSR. Biol. nauki 18 no.1:15-27 Ja '65.

(MIRA 18:5)

1. Botaniccheskiy Institut AN Armyanskoy SSR.

KASARYAN, A. A. (NY), R.N.

In: Science modulator of monoamine oxidase. Dokl. Ak. Arm.  
Sci. Ser. Biol. 201, 1975. (MIA 17:9)

L. Yerevanskiy gosudarstvennyy universitet. Predstavleno  
chlenom-korrespondentom Ak. armyanskoyskoy nauki Ter-Mikayelyanom.

TETREVNKOVA-BABAYAN, D.N.; SIMONYAN, S.A.

Diseases of subtropical crops in the Armenian S.S.R. *Izv. AN Arm. SSR. Biol. i sel'khoz. nauki.* 5 no.1:65-78 '52. (MLRA 9:8)

1. Kafedra morfologii i sistematiki rasteniy Yerevanskogo gosudarstvennogo universiteta.  
(Armenia--Fruit--Diseases and pest)

SIMONYAN, S.A.

Study of the powdery mildew parasites in the Armenian S.S.R. Izv.  
AN Arm.SSR.Biol.i sel'khoz.nauki. 6 no.7:89-92 '53. (MLBA 9:8)

1. Sektor zashchity rasteniy Akademii nauk Armyanskoy SSR.  
(Armenia--Mildew)

SIMONYAN, S.A.

New and rare forms of powdery mildew. *Biul.Bot.Sada [Eriv.]*  
no.13:97-104 '53. (MLBA 9:8)

1. Sektor zashchity rasteniy AN Arm. SSR.  
(Armenia--Mildew)

S. D. AM, S. A.

"Parasitic Fungi in the Armenian SSR." Cand Biol Sci, Department of  
Biological Sciences, Acad Sci Armenian SSR, Yerevan, 1954. (IL, No 12, Mar 55)

So: Sum. No. 670, 29 Sep 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (15)

TETREVNKOVA-BABYAN, D.N.; OGANYAN, E.A.; SIMONYAN, S.A.

Some diseases of fruit trees in the Armenian S.S.R. Izv.AN Arm.  
SSR.Biol.i sel'khoz.nauki 7 no.11:29-35 N '54 (MLRA 9:8)

1. Kafedra morfologii i sistematiki rasteniy Yerevanskogo gosudar-  
stvennogo universiteta imeni V.M. Molotova.  
(Armenia--Fruit--Diseases and pests)

TETEREVNIKOVA-BABAYAN, D.N.; SIMONYAN, S.A.

Powdery mildew of vine crops. Nauch. trudy Brev. un. 54 pt.1:  
53-78 '56. (MLRA 10:4)  
(Armenia--Mildew) (Vine crops--Diseases and pests)



SIMONYAN, S.A.

New forms of mildew fungi. Izv. AN Arm. SSR Biol. i sel'khoz.  
banki 11 no. 6:87-91 Ja '58. (MIRA 11:7)

1. Botanicheskiy institut AN ArmSSR.  
(Armenia--Mildew)

KRIMLYAN, A.I.; SIMONYAN, S.A.

Controlling mealy bugs in the greenhouse. Izv. AN Arm. SSR. Biol.  
i sel'khoz. nauki 11 no.7:117-118 J1 '58. (MIRA 11:9)

1. Botanicheskiy institut AN Arm. SSR.  
(Mealy bugs) (Parathion) (Greenhouse plants--Diseases and pests)

SIMONYAN, S.A.

Mildew fungi (Erysiphaceae) of the Armenian S.S.R. Trudy Bot.  
inst.AN Arm.SSR 12:93-198 '59. (MIRA 13:8)  
(Armenia—Mildew)

SIMONYAN, S.A.

~~A new species of powdery mildew fungus of the genus Uncinula.~~  
Izv. AN Arm. SSR. Biol. nauki 12 no.2:87-88 7 '59. (MIRA 12:9)

1. Botanicheskiy institut Akademii nauk ArmSSR.  
(ARMENIA--MILDEW)

SIMONYAN, S.A.

Recent materials on the fungal flora of Armenia. Izv. AN Arm. SSR.  
Biol.nauki 12 no.10:23-31 0 '59. (MIRA 13:3)

1. Botanicheskiy institut Akademii nauk ArmSSR,  
(ARMENIA--FUNGI, PHYTOPATHOGENIC)

SIMONYAN, S.A.

Recent materials on the fungi of Armenia. Izv. AN Arm. SSR.  
Biol. nauki 13 no. 7:85-91 J1 '60. (MIRA 13:10)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR.  
(ARMENIA—FUNGI, PHYTOPATHOGENIC)

SIMONYAN, S.A.

Mildew of roses and its control. Izv. AN Arm. SSR. Biol. nauki 14  
no.8:61-69 Ag '61. (MIRA 14:9)

1. Botanicheskiy institut AN Armyanskoy SSSR.  
(ARMENIA--MILDEW) (ROSES--DISEASES AND PESTS)

SEMONYAN, S.A.

Rust of snapdragon. *Biul. Glav. bot. sada no.40:100-102 '61.*  
(MIRA 14:10)

1. Botanicheskiy sad AN Armyanskoy SSR.  
(Snapdragons--Diseases and pests)



SIMONYAN, S.A.

Powdery mildews (family Erysiphaceae) in the Armenian S.S.R.  
Pt.2. Trudy Bot. inst. AN Arm. SSR 13:113-169 '62. (MIRA 16:7)

(Armenia--Mildew)

SIMONYAN, S.A.

New materials on the microflora in Armenia. Report No.3. Izv. Arm.  
SSR. Biol. nauki 15 no.3:73-80 '62. (MIRA 15:4)

1. Botanicheskiy institut AN Armyanskoy SSR.  
(ARMENIA--FUNGI)

PETEREV, IRUVA-BADAYAN, D.N.; SIMONYAN, S.A.

Significance of microscopic fungi in the composition of phyto-  
cenosis. Izv. AN Arm. SSR. Biol. nauki 17 no.8:23-32 Ag '64.  
(MIRA 17:10)

1. Kafedra botaniki Yerevanskogo gosudarstvennogo universiteta.

SHAKHA, V. V.

Jan 49

USSR/Petroleum Industry  
Drills, Oil Well

"The Drilling Assemble With a Built-In Heating Unit, BTU-300," Ts. A. Bakhsniyan,  
S. G. Simonyan, Giprofteemashvostok, 7 pp

"Energet Byil" No 1

Designed and manufactured by Giprofteemashvostok. Test model was installed at Yelshansk petroleum enterprise, and was to have been tested during winter of 1948 - 1949. Gives basic Characteristics of equipment. Tabulates results of factory tests on the drill. Several cutaway sketches show heating plant of equipment

PA 33/49 195

SIMONYAN, S.G.; DOLGOPOLOV, N.N.

Automatic weighing of test pieces during drying. Zav. lab. 31 no.2:  
252 '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov.

DOLGOPOLOV, N.N.; SIMONYAN, S.G.

Measuring the surface temperature of materials in high-frequency  
and acoustical drying. Zav. lab. 31 no.9:1114-1115 '65.

(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh  
materialov.

BRONZAI, S.G.

Automatic temperature recording in high-frequency drying of  
materials. *Mag. Lab.* 31 no.10:1213 '69.

(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh  
sinteticheskikh materialov.

L 15965-66 EWT(1)/EWP(e)/EWT(m)/EPP(n)-2/EWP(j)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/ETC(m)-6  
ACC NR: AP6001998 IJP(c) SOURCE CODE: UR/0170/65/009/006/0741/0743

AUTHOR: Dolgoplov, N. N.; Simonyan, S. G.; Borisov, Yu. Ya.

ORG: Institute of New Structural Materials, Moscow (Institut novykh stroitel'nykh materialov)

TITLE: Kinetics of acoustic drying of capillary porous materials

SOURCE: Inzhenerno-fizicheskii zhurnal, v. 9, no. 6, 1965, 741-743

TOPIC TAGS: quartz, acoustic effect, polyurethane, drying

ABSTRACT: The kinetics of <sup>21.44.5</sup>acoustic drying were studied on quartz sand the bulk of which (88.3%) consisted of particles 0.355 - 1 mm in size, and contained moisture in the proportion of 0.164 kg/kg. The samples were subjected to various levels of sound pressure (158, 163, and 167 db) at 7 - 15 kc, then analyzed for their moisture content. At the same time, the temperature distribution over the samples was measured with thermocouples. The drying curve was found to consist of three portions: (1) a period of increasing drying rate, (2) constant rate, (3) decreasing rate. Another material studied was polyurethane foam, a material of high moisture absorption coefficient (up to 800%). It was dried at

UDC: 66.047.59

Card 1/2



L 15965-66

ACC NR: AP6001998

sound pressure levels of 155, 165, 167, and 169 db. The drying rate was found to be greatly accelerated by the increasing sound rate. The moisture is eliminated not only by evaporation, but also by mechanical expulsion: dripping was observed at 169 db. The experiments show that in comparison with other methods, the acoustic method permits a several-fold acceleration of the drying process and a simultaneous lowering of the temperature of the material. Orig. art. has: 3 figures.

SUB CODE: 07, // / SUBM DATE: 29Mar65 / ORIG REF: 002 / OTH REF: 003

bvk

Card 2/2

L 29851-66 EWP(e)/EWT(m)/ENP(t)/ENP(k)/ETI IJP(c) JD/WH

ACC NR: AP6012685 (A) SOURCE CODE: UR/0170/66/010/004/0542/0544

57  
B

AUTHOR: Simonyan, S. G.; Dolgoplov, N. N.

ORG: All-Union Institute for New Construction Materials, Moscow  
(Vsesoyuznyy institut novykh stroitel'nykh materialov)

TITLE: Combined acoustical and high frequency drying of capillary-porous materials

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 4, 1966, 542-544

TOPIC TAGS: drying, high frequency, acoustic effect, thermocouple,  
HF vibration

ABSTRACT: The experimental apparatus (diagram shown) consists basically of a gas jet heater, a chamber, and a modernized high frequency generator. The capillary-porous material investigated was a cylindrical plastic plate with a diameter of 110 mm and a thickness of 24 mm, and a moisture content of 0.28 kg/kg. Thermocouples were inserted into the sample to a depth of 40 mm. Measurements were made of the weight loss and the temperature in three layers of the sample. The parameters of the acoustical field were a sound pressure of 168 decibels and a frequency of 7 kilocycles. The high frequency generator had a voltage on the electrodes of 0.6 kilovolts at a frequency of

Card 1/2

UDC: 66.047

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ACC NR: AP6012685

40.68 megacycles. Combined drying was carried out under exactly the same conditions. Experiments carried out under different drying methods show that the combined method makes it possible to increase the drying rate by 30-90% compared with the acoustical method and by 60-30% compared with the high frequency method. Orig. art. has: 2 figures and 1 table.

SUB CODE: 11,20/ SUBM DATE: 19May65/ ORIG REF: 004/ OTH REF: 001

Card 2/2 *W*

AVAKYAN, V.M.; SIMONYAN, S.M.

Experience in detecting and treating hypertension in a city district.  
Dokl. AN Arm. SSR 19 no.4:123-128 '54. (MIRA 8:7)

1. Prodstavleno L.A. Oganesyanom. (Hypertension)