

VANEK, Vaclav

"Micaceous electric insulation materials" by K.A.Andrianov,  
L.A.Epstejn, [Epshteyn, L.A.]. Reviewed by Vaclav Vaneek. El  
tech obzor 53 no.10:577 0 '64.

VANEK, Vaclav

Mining of diamonds from the sea floor. Rudy 13 no.4:127  
Ap '65.

Improved equipment for loading boreholes with explosives  
based on ammonium nitrate. Ibid.:127-128

1. Rudne doly National Enterprise, Pribram.

VANEK, Vladimir, dr.; MIKODA, Vladimir, inz.; BLAZEK, Jiri, inz.

Automation of the wage calculation in transportation services.  
Doprava no.2:138-143 '63.

U 122 7-0

AUTHOR: Vanek, Vladimír

TITLE: Circuit of the EPDS for the calculation of ...

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika, ...

TEXT: The EP ... calculation ...

... of symbols of the Czech, Slovak and German alphabets and a large number  
For input 22 symbols are chosen from the ... the author gives a code ...  
The internal code of the alphabet ...

L 12227-01

3 2 1 0 9 8 7 6 5 4 3 2 1 0

Abstract of the report...

possibility of automatic correction of errors in a word exists (if there is an error in more than one section of the word).

...this column is added automatically before recording of the word in memory and is controlled at...

[Abstracter's note: Complete translation]

Card 2/2

DVORAK, Josef; VANEK, Walter

Spectrographic determination of impurities in tungstentrioxide.  
Chemia anal 7 no.1:201-210 '62.

1. Vyskumny ustav anorganicke chemie, Usti n. L.

*FAMEA.L.*

MALIK, I.; SEVCIK, V.; REHACEK, Z.; DOLEZI LOVA, L.; MUSILEK, V.; VANEK, Z.;  
HOVOTNY, L.

**CZECHOSLOVAKIA**

Experiences and methods in the search for new antibiotics, J. Hyg.  
Epidem., Praha 1 no.4:397-412 1957.

1. Institute of Biology and Institute of Chemistry, Czechoslovak  
Academy of Sciences, Prague.

(ANTIBIOTICS,

technic of search for new prep.)

VANEK, Z

**CZECHOSLOVAKIA**

"Substances stimulating the biosynthesis of chlorotetracycline in a strain of Streptomyces aureofaciens having a low production capacity." p.275.

Institute of Biology, (Czechoslovak Academy of Sciences.) Vol. 7, no. 5, 1957

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 5 May 1958



VANEK, Z

**CZECHOSLOVAKIA**

"Effect of  $\alpha$ -naphthylacetic acid on the production of chlortetracycline  
by a low-production strain of Streptomyces aureofaciens."

ČESKOSLOVENSKÁ MIKROBIOLOGIE, Praha, Czechoslovakia, Vol. 3, no. 6, 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 6, No. 6, Sept 59  
Unclas

REHACEK, Z.; DOLEZILOVA, Libuse; VANEK, Z.

Antagonistic properties and mutual relationships of some Actinomycetes.  
Folia microbiol 5 no.2:92-99 Mr '60. (EEAI 9:7)

**CZECHOSLOVAKIA**

1. Department of Microbiology, Institute of Biology, Czechoslovak  
Akademy of Sciences, Prague.  
(ACTINOMYCETES)  
(ANTIBIOTICS)

VANEK, Z.; PUZA, M.; MAJER, J.; DOLEZILOVA, Libuse

**CZECHOSLOVAKIA**

Incorporation of acetic acid into erythromycin. Folia microbiol 6  
no.6:386-391 '61.

1. Department of Microbiology, Institute of Biology, Czechoslovak  
Academy of Sciences, Prague 6.

(ERYTHROMYCIN chem) (ACETATES chem)

VAJNEK, Z.; PUZA, M.; MAJER, J.; DOLEZILOVA, Libuse

**CZECHOSLOVAKIA**

Contribution to the biosynthesis of erythromycin in the presence of propionic acid-1-<sup>14</sup>C. Folia microbiol 6 no.6:408-410 '61.

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.

(ERYTHROMYCIN metab) (PROPIONATES metab)

DOLEZHILOVA, L. [Dolezilova, L.]; MALEK, I.; VANEK, Z.

**CZECHOSLOVAKIA**

Origin of some antibiotic substances under natural conditions.  
Mikrobiologiya 30 no. 2 243-248 Mar-Apr '61. (MIRA 14:6)

1. Institut biologii Chekhoslovatskoy Akademii nauk.  
(ACTINOMYCES) (SOIL MICRO-ORGANISMS)  
(ANTIBIOTICS)

VANEK, Z.; SOUCEK, M.

**CZECHOSLOVAKIA**

Factors determining the biosynthesis of griseofulvin and similar substances. Folia microbiol. 7 no.4:262-265 '62.

1. Institute of Microbiology and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague 6.  
(GRISEOFULVIN - metabolism) (FUNGI - metabolism)

PUZA, M.; SUCHY, J.; CUDLIN, J.; VONDRACEK, M.; VANEK, Z.

Metabolites of *Streptomyces noursei*. II. Formation of amides of branched aliphatic acid in *Streptomyces noursei*. *Fol. microbiol. (Praha)* 10 no.1:60-62 Ja '65

1. Department of Biogenesis of Natural Substances, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 4 and Research Institute for Antibiotics, Roztoky near Prague.

SPIZEK, J.; MALEK, I.; DOLEZILOVA, Libuse; VONDRACEK, M.; VANEK, Z.

Metabolites of *Streptomyces noursei*. Part IV and V. Folia  
microbiol. 10 no.5:259-266 S ' 65.

1. Department of Biogenesis of Natural Products Institute of  
Microbiology, Czechoslovak Academy of Sciences, Prague 4, and  
Antibiotics Research Institute, Rostoky near Prague. Submitted  
August 3, 1964.



VANELKA, F., inzhener.

Importance of the Polish-Soviet scientific and technical conference for further development of the Polish coal mining industry. Ugel' 31 no.8:4-6 Ag '56. (MLRA 9:10)

1. Ministr ugel'ney promyshlennosti Pol'skey Narodnoy Respubliki.  
(Poland--Coal mines and mining)

*VANENKOV, M.V.*

WENKOV M. V. (Chief of Veterinary Section of the Aktyubinsk oblast  
Agricultural Administration)

"Listeriosis of sheep and effectiveness of formal precipitated  
listeriosis vaccine.

Veterinariya, Vol. 38, No. 12, December 1961, p. 26.

VANENKOV, M. V. and DESYATNIKOV, B. L.

"A letter to the Editor, concerning the published article on "Diagnosis and epizootiology of rabies" (Veterinariya no. 1, 1962)

Veterinariya, vol. 39, no. 7, July 1962 pp. 34

VANENKOV, M.V., veterinarnyy vrach

Effect of tissue preparations on the wool yields of sheep. Zhivotno-  
vodstvo 24 no.9:37-38 S '62. (MIRA 15:12)  
(Wool) (Tissue extracts)

VANENKOV, M.V.; DESYATNIKOV, B.L.

Diagnosis and epizootology of rabies. Veterinariia 39 no.1:  
23-24 Ja '66. (MIRA 15:2)

1. Natchalnik veterinarnogo otzela aktyubinskogo oblastnogo  
sel'skokhozyaystvennogo upravleniya (for Vanonkov). 2. Direktor  
oblastnoy veterinarno-bakteriologicheskoy laboratorii Aktyu-  
binskoy oblasti (for Desyatnikov).  
(Rabies)

GATAR, G.; VALENT, M. Technicka spolupraca VANEKOVA, J.

Contribution to the biology and epidemiology of *Trichomonas vaginalis*. Cesk. dermat. 40 no.2:110-114 Ap'65

1. Vyskumne laboratorium parazitologie pri Katedre vseobecnej biologie Lekarskej fakulty University Komenskeho v Bratislave (veduci: prof. dr. V. Vraansky).



are made in the usual manner with the potential assumed

$$V_{eff}(r) = V_{coul}(r) + V_0 \frac{1}{1 + e^{-\frac{r-r_0}{a}}} + W_0 e^{-\left(\frac{r-r_0}{b}\right)^2} - \chi \left(\frac{R}{r}\right)^2 \frac{1}{r} \frac{d}{dr} V_{eff}(r), \quad (8)$$

$$\Delta \chi = \chi + \frac{1}{r}$$

Table with 7 columns and 4 rows of numerical data. The text is very faint and difficult to read, but the structure appears to be a data table.

Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7
1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.6	1.6	1.6	1.6	1.6	1.6	1.6



статья

ASSOCIATION: Fiziko-tekhnicheskij institut AN USSR (Physicotechnical  
Institute of USSR)

GORSHELEVA, L.S.; VANETSIAN, G.L.

Some features of the formation of conditioned reflexes in white rats in the early postnatal stage of development as reflected in normal and functionally changed conditions of the organism. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. no.9:30-34 '61. (MIRA 15:4)  
(CONDITIONED RESPONSE) (X RAYS--PHYSIOLOGICAL EFFECT)

VANESYAN, I

Category: USSR / Farm Animal Diseases Caused by Bacteria and Fungi V-2

Abs Jour: Refer. Zhur-Biologiya, No 16, 1957, 72288

Author : Ganiev, Akhmedov, Kyamalov, Vanesyan, I  
Inst : Not given  
Title : Diplococcic Infection in Calves.

Orig Pub: Sots. S-KH. Azerbaidzhana, 1956, No 11, 34-37

Abstract: Diplococcic infection was observed on a farm, where 58.1 percent of calves were diseased, and 16.5 percent died. The calves became sick at the age of 1 day to 3 months. The course of disease was acute, subacute, and chronic in form. In the acute form the body temperature rose, there was a loss in appetite, tearing, and a depressed state. In the subacute - there was a rise in temperature, cough, diarrhea, swelling of the joints, and lameness. The duration of the disease - 10-12 days. In the chronic form a cough was noted, delayed growth and exhaustion of the animals. The disease lasted at times longer than one month. The infection occurred in utero, aerogenously, and particularly through the digestive tract. The spreading

Card : 1/2

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Category: USSR / Farm Animal Diseases Caused by Bacteria and Fungi. V-2

Abs Jour: Refer. Zhur-Biologiya, No 16, 1957, 72288

of the disease was increased by high relative humidity, increase in ammonia and carbon dioxide in the barn. From the preparations used for the treatment of calves the best results (92.8 percent of cure) gave ekmonovocillin-1, given intramuscularly in a dose of 5,000 international units per kg every 20-24 hours (cure in 3-6 injections).

Card : 2/2

-9-

AKHMEDOV, A., dotsent; KYAMALOV, I., veterinarnyy vrach; YANESYAN, I.,  
veterinarnyy fel'dsher.

Treating diplococcal diseases in calves. Veterinariia 33 no.12:  
27-28 D '56. (MLRA 9:12)

1. Azerbaydzhanskiy sel'skokhozyaystvennyy institut  
(for Akhmedov).  
(Calves--Diseases) (Diplococcus)

VANETSAN, H.G.

Sarcoma of the left ovary and its rupture five days following normal labor. Akush. i gin. 33 no.6:97 N-D '57. (MIRA 11:3)

1. Iz Stepanavanskoy rayonnoy bol'nitsy (glavnyy vrach M.V.Gambaryan), Armyanskaya SSR.  
(OVARIES--CANCER)

*VANETSIAN, R. A.*  
Category : USSR/Nuclear Physics - Nuclear Reactions

C-5

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 568

Author : Vanetsian, R A., and Fečohenko, M.D.

Title : Elastic Scattering of 18.7 Mev Protons by Ni and Cu Nuclei

Orig Pub : Zh. eksperim. i teor. fiziki, 1956, 30, No 3, 577-578

Abstract : A study was made of the dependence of the differential elastic scattering cross section of 18.7 Mev protons by Ni and Cu nuclei in a range of angles of  $20^{\circ}$  --  $170^{\circ}$ . The targets employed were foils 10 -- 15 micron thick made of the investigated elements. The proton source was a linear accelerator, producing a beam of protons with a half-width of energy distribution of approximately 400 kev. The scattered protons were detected with a counter having a CsI (Tl) crystal. The total energy resolution of the recording setup was 3%, making it possible to separate reliably elastic and inelastic scattering by Ni and Cu. The systematic errors of the measurement results did not exceed 2.5%. Comparison of the resultant dependence of the differential scattering cross sections on the angle with the theoretical values has led the authors to conclude that the best agreement between the theoretical and experimental curves occurs when the theoretical curves are calculated by using the optical model of a nucleus with diffuse boundary.

Card : 1/1

**AUTHOR:** VANETSIAN, R.A., FEDCHENKO, E.D. PA - 2255  
**TITLE:** The Investigation of the Differential Cross-Section of the Elastic Scattering of 19,4 MeV-Protons at the Nuclei of T, He<sup>3</sup>, He<sup>4</sup>, N<sup>14</sup>, and O<sup>16</sup>. (Issledovaniye differentsial'nogo secheniya uprugogo rasseyaniya protonov s energiyey 19,4 MeV na yadrakh T, He<sup>3</sup>, He<sup>4</sup>, N<sup>14</sup> i O<sup>16</sup>. Russian).

**PERIODICAL:** Atomnaya Energiya, 1957, Vol 2, Nr 2, pp 123 - 128 (U.S.S.R.)  
Received: 3 / 1957 Reviewed: 5 / 1957

**ABSTRACT:** The experimental order: A linear accelerator built by the Physical-Technical Institute of the Ukrainian Academy of Science in 1950 served as source for the 20-MeV-protons. The protons are accelerated by steady electromagnetic waves (which are excited in spatial resonators). The construction of the accelerator is shown in form of a diagram. The gas target consists of a hollow cylinder with a diameter of 130 mm and a height of 20 mm. Measurements were carried out at a gas pressure of from 520 to 620 torr. Also the recording scheme, the carrying out of measurements, and the failures of the experiment are shortly discussed.

Measuring results are shown in form of diagrams. The differential cross-section of the elastic scattering of protons on T, He<sup>3</sup>, and He<sup>4</sup> have about the same development: When the scattering angle is increased the cross-sections decrease down to a minimum of about 110° to 120°, after which they increase again. However, the details

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PA - 2255  
The Investigation of the Differential Cross-Section of the Elastic Scattering of 19,4 MeV-Protons at the Nuclei of T, He<sup>3</sup>, He<sup>4</sup>, Ne<sup>14</sup>, and O<sup>16</sup>.

of the curves of the three elements are different. Amongst others the following applies: For T and He<sup>3</sup> position and depth of the minima are practically in agreement, but in the case of small angles the amount of the cross section for T is greater than for He<sup>3</sup>. Besides the cross-section of He<sup>4</sup> with small angles is greater than the cross-section of He<sup>3</sup>. The curves of the differential cross-sections of N<sup>14</sup> and O<sup>16</sup> have the same structure but the cross-section of O<sup>16</sup> has a lower minimum and a higher maximum than the cross-section of N<sup>14</sup>. The minima of O<sup>16</sup> are shifted towards smaller angles. With all elements the minima and maxima shift towards smaller angles with growing nuclear charge number. There are, however, exceptions for light elements (e.g. T, He<sup>3</sup>, D).

The minima and maxima of the differential cross-sections of elastic scattering on N<sup>14</sup> and O<sup>16</sup> shift towards smaller angles with growing energy. The same rule applies for heavier nuclei. The difference of the energy dependence of differential cross-sections with the lighter nuclei on the one hand and other nuclei on the other indicates different character of the interaction between nucleons

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The Investigation of the Differential Cross-Section of the Elastic  
Scattering of 19,4 MeV-Protons at the nuclei of T, He<sup>3</sup>, He<sup>4</sup>, N<sup>14</sup>,  
and O<sup>16</sup>. PA - 2255

and nuclei (according to whether or not a saturation of the  
nuclear forces occurred). (5 illustrations).

ASSOCIATION: Not given.  
PRESENTED BY:  
SUBMITTED: 19.7.1956.  
AVAILABLE: Library of Congress.  
Card 3/3

FALCHENKO, S.D., KLYUCHAREV, A.P., VANETZKYAN, R.A.

"Elastic Cross Sections for 19.8 Mev Protons Scattered by  $\text{Co}^{59}$ ,  $\text{Pb}^{207}$ ,  
 $\text{Pb}^{208}$ ,  $\text{Bi}^{209}$ ,  $\text{U}^{238}$ ,"

Physical-Technical Inst, Acad. Sci. Ukr SSR

paper submitted at the A-U Conf. on Nuclear Reactions in Medium and Low  
Energy Physic, Moscow, 19-27 Nov 57.



VANETSJAN, R. A., KLYUCHAREV, A. P. and FEDCHENKO, E. D.

"L'etude des sections efficaces differentielles de diffusion elastique des protons de 19,6 MeV pour les isotopes separees."

report presented at the Intl. Congress for Nuclear Interactions (Low Energy) and Nuclear Structure (Intl. Union Pure and Applied Physics) Paris, 7-12 July 1958.

VANNINSIAN, R.A., Cand Phys-Math Sci --(disc) "Study of differential  
sections of elastic dispersion of protons with 19.5 MeV energy of  
light nuclei." Nov, 1959. 18 pp (Order of Lenin. Inst of Atomic  
Energy, Acad Sci USSR), 121 copies. Printed on ~~thin paper~~ *duplicating me.*  
*chem.* Bibliography at end of text (10 titles) (13, 89-99, 125)

21(7) SOV/89-6-6-10/27  
AUTHORS: Vanetsian, R. A., Klyucharev, A. P., Fedchenko, Ye. D.  
TITLE: Investigation of the Differential Elastic Scattering Cross Section of 19.6 Mev Protons on Some Separated Isotopes (Issledovaniye differentsial'nogo secheniya uprugogo rasseyaniya protonov s energiyey 19.6 Mev na razdelennykh izotopakh)  
PERIODICAL: Atomnaya energiya, 1959, Vol 6, Nr 6, pp 661 - 663 (USSR)  
ABSTRACT: The authors report on the measurement of the differential elastic scattering cross sections of 19.6 Mev protons at the separated isotopes  
Li<sup>6</sup>, Li<sup>7</sup>, Co<sup>59</sup>, Cu<sup>63</sup>, Cu<sup>65</sup>, Ge<sup>73</sup>, Ge<sup>74</sup>, Cd<sup>111</sup>, Cd<sup>113</sup>, Cd<sup>116</sup>, Sn<sup>116</sup>, Sn<sup>117</sup>, Sn<sup>118</sup>, Sn<sup>119</sup>, Sn<sup>120</sup>, Sn<sup>122</sup>, Sn<sup>124</sup>, Pb<sup>107</sup>, Pb<sup>108</sup>, Bi<sup>209</sup>, U<sup>238</sup>. A linear accelerator to 20 Mev served as proton source. The scattered protons were recorded by means of two photomultipliers with NaJ(Tl) crystals. The absolute values of the elastic scattering cross sections were measured within an angular range of from 20-160° with an error of +5%, in the case of relative measurements it was +3%. The absolute measurements of scattering cross sections are shown by 8 diagrams in  
Card 1/2

Investigation of the Differential Elastic Scattering Cross Section of 19.6 Mev Protons on Some Separated Isotopes SOV/89-6-6-10/27

figure 1. Figure 2 shows the ratio between the relative and the computed Rutherford scattering cross sections  $\sigma(\theta)_{\text{exp}}/\sigma(\theta)_{\text{Rutherf.}}$ . The diagrams are discussed in the following. Thus, e.g. figure 1 shows that the forward scattering cross section of both lithium isotopes is approximately equal, while the backward scattering cross sections for  $\text{Li}^7$  is considerably higher; from figure 2 it may be seen that the  $\text{Li}^6$  cross section proceeds much more smoothly than that of  $\text{Li}^7$  etc. A comparison of the relative curves for  $\text{Pb}^{207}$ ,  $\text{Pb}^{208}$ , and  $\text{Bi}^{209}$  shows that the course of the cross section curve of  $\text{Bi}^{209}$  considerably differs - especially in the range of the second maximum - from that of the lead isotopes. It may be seen from the cross section curves for cadmium and lead that the successive addition of five neutrons to the  $\text{Cd}^{111}$  nucleus does not change the elastic scattering cross section whereas the substitution of two neutrons in the  $\text{Cd}^{116}$ -nucleus by two protons influences it considerably, as may be seen from a comparison of the curves for  $\text{Sn}^{116}$  and  $\text{Cd}^{116}$ . There are 2 figures and 14 references, 1 of which is Soviet.

February 16, 1959

SUBMITTED:  
Card 2/2



VANETSIAN, R.A.; KLYUCHAREV, A.P.; TIMOSHEVSKIY, G.F.; FEDCHENKO, Ye.D.

Calculating the cross sections of elastic scattering for 5.45  
Mev. protons according to the optical nuclear model. Zhur. eksp.  
i teor. fiz. 40 no.4:1199-1202 Ap '61. (MIRA 14:7)  
(Nuclear models) (Protons--Scattering)

S/185/62/007/004/007/018  
D407/D301

AUTHORS: Vanetsian, R. A., Klyucharyev, A. P.,  
Tymoshevs'kyi, H. F., and Fedchenko, Ye. D.

TITLE: Calculating elastic scattering of protons  
with energy of 19.6 Mev according to the  
optical model

PERIODICAL: Ukrayins'kyi fizychnyy zhurnal, v. 7, no. 4,  
1962, 378-381

TEXT: The differential cross-sections of elastic scattering  
of protons (with energy of 19.6 Mev) by nuclei of the separated  
isotopes  $Co^{59}$ ,  $Cu^{65}$ ,  $Cd^{116}$ ,  $Sn^{116}$ ,  $Sn^{124}$  are calculated. The  
optical model was used, spin-orbit coupling being taken into  
account. The real part of the potential was taken in Saxon's  
form, the imaginary part--in Gaussian form. The results of the  
calculations show that for scattering angles between  $20 - 40^\circ$ ,  
no satisfactory agreement with experiment could be obtained.

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S/185/62/007/004/007/018  
D407/D301

Calculating elastic...

All attempts to improve the agreement between calculated and experimental values were in vain. Agreement was good only for  $\text{Co}^{59}$  for the entire angular interval, except at small angles.

On the other hand, for  $\text{Cu}^{65}$  considerable discrepancies occurred even at angles exceeding  $135^\circ$ . The experimental values (for all the isotopes under investigation) were much higher than the calculated ones. The shape of the angular distribution of elastically scattered protons with energy 19.6 Mev was more complex than that of protons with 5.45 and 6.8 Mev. The angular distribution curves for  $\text{Co}^{59}$  protons, calculated by means of the Gaussian form of the imaginary potential on the one hand, and by Saxon's form on the other, differed greatly for large scattering angles. The use of Saxon's form for the imaginary part of the potential does not yield good agreement with experiment for any of the nuclei under investigation. The parameters of the optical model differ greatly for heavy and light nuclei;

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Calculating elastic...

S/185/62/007/004/007/018  
D407/D301

this is particularly the case with the diffusivity parameter  $a$ , and the parameters  $b$  and  $W$ , characterizing absorption. There are 6 figures, 1 table and 5 references: 3 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: L. S. Rodberg, Nuclear Phys., 15, 72, 1960; R. Woods, D. S. Saxon, Phys. Rev., 95, 577, 1954.

ASSOCIATION: Fizyko-tekhnichnyy instytut AN URSS (Physico-technical Institute of the AS UkrRSR), Kharkiv

SUBMITTED: August 21, 1961

Card 3/3

TIMOSHEVSKIY, G.F.; VANETSIAN, R.A.; KLYUCHAREV, A.P.; FEDCHENKO, Ye.D.

Compound-elastic scattering in elastic scattering of 5.45 Mev.  
protons on nickel isotopes. Zhur. eksp. i teor. fiz. 45  
no.6:1951-1953 D '63. (MIRA 17:2)

1. Fiziko-tekhnicheskiy institut AN UkrSSR.

VANETSJAN, T. A.

"The Physicochemical Properties of Milk and Its Suitability for Cheese in the Gukasyanskiy Rayon of the Armenian SSR." Cand Agr Sci, Yerevan Zooveterinary Inst, Min of Agriculture and Procurement USSR, Yerevan, 1953. (KL, No 1, Ja 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)  
SO: Sum. No. 598, 29 Jul 55

S/852/62/000/000/017/020  
B106/B101

**AUTHORS:** Bedritskiy, N. A., Belkind, F. I., Vezhenkova, M. S.,  
Vanetsova, A. M., Gvirts, R. A., Zavelev, G. I., Skachkov,  
N. I.

**TITLE:** Use of polymer materials and nonmetallic protective coatings  
in petrochemical industry

**SOURCE:** Primneniye polimerov v antikorrozionnoy tekhnike. Ed. by  
I. Ya. Klinov. and P. G. Udyma, Moscow, Mashgiz, 1962, Vses.  
soviet nauchno-tekhn. obshchestv. 125 - 130

**TEXT:** With a view to introducing plastics as a constructional material for machines used in the petroleum industry, equipment developed by the Gipro-neftemash was examined and some mechanical plants were inspected. Polymer materials have been found suitable for units and components of petroleum installations. Plastics have been recommended for components and fittings of pumps, in accordance with plans worked out. The materials best suited are AF-4B (AG-4V) and AF-4C (AG-4S) glass-reinforced plastics. Cements based on furyl resins have been developed for reaction vessel liners in Card 1/3 ✓

Use of polymer materials ...

S/852/62/000/000/017/020  
B106/B101

petroleum industry. Varnish colors on the basis of modified furyl resins, and Bakelite varnish with fillers on a metallized base, proved suitable as anticorrosive coatings. Copolymers of polyethylene with polypropylene and fluoroplast-3 are most suitable for coatings based on powdered plastics. A coating made up of a metallized aluminum and zinc layer covered with a XB-77 (KhV-77) "perchlorvinyl" varnish has been developed to protect the springs of safety valves from corrosion, thereby lengthening the life of these springs approximately 7 times. This varnish is used also for protective coats on the inner surfaces of vessels for petroleum and petroleum products containing sulfur. As such coatings are easily destroyed by steaming, it is recommended to replace this by a mechanical wash, using an M.M-3 (MGM-3) machine. The Giproneftemash and neftekhimicheskij kombinat (Petrochemical Combine) developed a new anti-corrosion treatment for telescopic gas holders. For this purpose a liquid cement based on industrial oil 12, petroleum bitumen, or the extract obtained by aircraft oil refining have been used in combination with polyisobutylenes or synthetic rubber. Eight brands of this protective liquid have been developed, which is not injurious to health. Its application is much less expensive than that of protective coatings using "perchlorvinyl" varnishes. Finally it is recommended that

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Use of polymer materials ...

S/852/62/000/000/017/020  
B106/B101

the production of the protective liquid for telescopic gas holders in Donets Basin, along the Volga, and in Baku should be organized; also that steel tubes having their flanges protected against corrosion by  $\Phi$ -10 (F-10) furyl varnish should be produced in one of the tube-rolling mills and that their delivery to the petroleum and chemical industries should be organized. Furthermore, it is recommended that coatings combining Bakelite varnish with inert fillers on a metallized base should be used to protect parts of the equipment and apparatus in petro-chemical and petroleum processing industries. Large plants are to be equipped with installations for repairing and processing nonmetallic material. ✓

Card 3/3

BEDRITSKIY, N.; VANETSOVA, A. N.

Concerning the book by A.I. Berezhnyi, A.I. Bulatov, P.S. Kulagin  
"Plastics used in the petroleum and gas industries." Neft.  
khoz. 40 no.12:67-68 D '62. (MIRA 16:7)

(Polymers)

(Petroleum production)

CZECHOSLOVAKIA/Nuclear Physics - Installations and Instruments. C  
Methods of Measurement and Research

Abs Jour : Ref Zhur Fizika, No 12, 1959, 26796  
Author : Vaneura, Antonin  
Inst : ~~Charles University, Prague, Czechoslovakia~~  
Title : Parity Non-Conservation in the Neutrino Theory  
Orig Pub : Ceskosl. casop. fys., 1959, 9, No 2, 178-191  
  
Abstract : The survey discusses the results of the latest researches on the properties of symmetry of the Hamiltonian of weak interactions. Particular attention is paid to the Hamiltonian of  $\beta$  decay in various neutrino theories and to a comparison of the interaction between the Coulomb and lepton fields in the two-component and ordinary four-component neutrino theories. The interaction between the laws of conservation of

Card 1/2

CZECHOSLOVAKIA/Nuclear Physics - Installations and Instruments. C  
Methods of Measurement and Research

Abs Jour : Ref Zhur Fizika, No 12, 1959, 26796

parity and the number of leptons is investigated.  
In conclusion the hypothesis of the universal Fermi  
interaction is considered and its relation to the  
two-component neutrino theory.  
Bibliography, approximately 70 titles.

Card 2/2

- 15 -

KRASNOV, I.D., inzh.; VANEV, A.A.

Determining the components of flexure and torsion of the main  
vector of moments acting in the cross-section of a ship's piping.  
Sudostroenie 30 no.2s28 P '64. (MIRA 17:4)

SAVOV, G.; KIUCHUKOV, N.; VANEV, M.

On the problem of early diagnosis of tumors of the spinal  
cord. *Suvr. med.* 12 no.12:55-58 '61.

(SPINAL CORD NEOPLASMS)

VANEV, M.

On the problem of spontaneous recovery in lumbar disk displacement. Khirurgiia 16 no.1:71-75 '63.

1. Vissh voennomeditsinski institut - Sofia. Nachalnik: prof.  
G. Krustinov.

(INTERVERTEBRAL DISK DISPLACEMENT)

KIUCHUKOV, N.; VANEV, M.

Clinical aspects of heterotopic tumors of the spinal cord.  
Nevropsikh nevrokhir 3 no.2:89-93 '64.

1. Neurosurgical Department of the Higher Institute of Military  
Medicine (Head: Savov, G., [dots.]).



VANEV, S.

New studies on the biology of *Sclerotinia ricini* Godfrey,  
cause of the gray decay in castor-oil plants. Izv. inst.  
bot. BAN 10:161-175 '62.

BULGARIA

CHUKOVA-BOZHILNOVA, T, and VANEVA, D, Chair of Neurology, Higher Medical Institute (Katedra po nevrologiya, VMI), Sofia, Director (rukovoditel), Prof S. Bozhinov

"A Case of Retinal Blastoma Metastasizing the Cerebrospinal Fluid of a Three-year-old Child"

Sofia, Nevrologiya, Psikhiatriya i Nevrokhirurgiya, Vol 5, No 3, 1966, pp 182-185.

Abstract [Authors' Russian and English summaries, modified]:  
The article describes a case of retinal blastoma metastasizing through the cerebrospinal fluid in a three-year-old child, detected during its lifetime. The authors established clinically a meningeal syndrome and an inferior spastic paraparesis which developed one month after enucleation of the right eye and 2½ years after the onset of the disease. Five references, including 2 Bulgarian, 1 Russian, and 2 Western. (Manuscript received, January 1966).

1/1

VANEVSKIY, V. L.

VANEVSKIY, V.L. (Leningrad, 24, Perekupny per., d. 5, kv. 7)

First Surgical Clinic of the S.M.Kirov State Institute for Advanced Medical Study in the Russian system of advanced training for physicians. Vest.khir. 74 no.3:76-82 Ap-My '54. (MLRA 7:6)

1. Iz kafedry gosptal'noy khirurgii (zav.prof. F.G.Uglov) 1-go Leningradskogo meditsinskogo instituta im. akad. I.P.Pavlova.  
(SCHOOLS, MEDICAL,

\*1st Surg. Clin. of S.M.Kirov State Institute for Educ. of Physicians of order of Lenin)

VANEVSKIY, V.L.

Bone formation in the postoperative scar. Vest. khir. 76 no.11:  
126-129 '55 (MLRA 9:4)

1. Iz 1-y kafedry khirurgii (zav.-prof. N.N. Petrov) Gosudarstvennogo  
ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M.  
Kirova.

(CICATRIX,  
ossification of ci. after surg. wds.)

(BONE TISSUE  
form. in postop. cicatrix)

ZIL'BER, Anatoliy Petrovich; VANEVSKIY, V.L., nauchnyy red.; SHEKHTER,  
D.I., red.; POD'EL'SKAYA, K.M., tekhn. red.

[Surgical position and anesthesia; circulatory and respiratory  
reactions to posture in anesthesiology] Operatsionnoe polozenie  
i obezbolivanie; postural'nye reaktsii krovoobrashchenia i dy-  
khania v anesteziologii. Petrozavodsk, Gos. izd-vo Karel'skoi  
ASSR, 1961. 250 p. (MIRA 15:3)

(ANESTHESIOLOGY)

(SURGERY, OPERATIVE)

VANEVSKIY, V.L.; MIKHAYLOVICH, V.A.

Acetylpromazine and levopromazine used in premedication for general anesthesia. Vest.khir. no.10:135-140 '61.

(MIRA 14:10)

1. Iz kafedry torakal'noy khirurgii i anesteziologii (zav. - prof. S.A. Gadzhiyev) Leningradskogo gosudarstvennogo ordena Lenina instituta usovershenstvovaniya vrachev im. S.M. Kirova i Leningradskogo gorodskogo onkologicheskogo dispansera (gl. vrach - S.S. Yaritsyn).

(TRANQUILIZING DRUGS)

(ANESTHESIA)

VANEVSKIY, V.L. (Leningrad, Perekupnoy per., d.5, kv.7)

Anesthesia during operations on myasthenic patients. Vest.khir.  
no.6:51-57 '62. (MIRA 15:11)

1. Iz kafedry torakal'noy khirurgii i anesteziologii (zav. -  
prof. S.A. Gadzhiyev) Leningradskogo ordena Lenina instituta  
usovershenstvovaniya vrachey im. S.M. Kirova.  
(MYASTHENIA GRAVIS) (THYMUS GLAND-SURGERY) (ANESTHESIA)

VANEVSKIY, V.L.; PANASHCHENKO, A.D.; YERSHOVA, T.G.; FEL'DMAN, I.Kh.;  
KHEYFITS, G.M.

Chemical and pharmacological study of herithiamine, a new  
hypnotic preparation. *Farma. i toks.* 25 no.6:657-662 M-D '62.

(MIRA 17:8)  
1. Kafedra torakal'noy khirurgii i anesteziologii (zav. - prof.  
S.A. Gadzhiyev) Leningradskogo gosudarstvennogo ordena Lenina  
instituta usovershenstvovaniya vrachey imeni S.M. Kirova i  
kafedra khimii i tekhnologii lekarstvennykh preparatov (zav. -  
prof. I.Kh. Fel'dman) Leningradskogo khimiko-farmatsevticheskogo  
instituta.



GADZHIYEV, S.A.; VANEVSKIY, V.L.; MUKHAYLOVICH, V.A.

Anesthesiological problems in surgery on the open heart. Grud.  
khir. 5 no.1:122-128 Ja-F'63. (MIRA 16:7)

1. Iz kafedry torakal'noy khirurgii i anesteziologii (zav.-prof.  
S.A.Gadzhiyev) Leningradskogo ordena Lenina instituta usovershen-  
stvovaniya vrachey imeni S.M.Kirova)  
(HEART—SURGERY) (ANESTHESIA)

VANEVSKIY, V.L.

Some problems of local anesthesia, based on materials of the  
International Anesthesiological Symposium, Budapest, 1963.  
Vest. khir. 92 no.6:129-134 Je '64. (MIRA 18:5)

1. Iz kafedry torakal'noy khirurgii i anesteziologii (zav. - prof.  
S.A. Gadzhiyev) Leningradskogo ordena Lenina usovershenstvovaniya  
vrachey imeni Kirova.

GADZHIYEV, S.A., prof. (Leningrad, M-70, ul. Frunze, d.L., kv.5);  
VANEVSKIY, V.L.; DOGEL', L.V.; TOLSTOV, G.V.

Immediate and late results of surgical treatment of myasthenia.  
Grud. khir. 6 no.6:80-86 N-D '64.

(MIRA 18:7)

1. Kafedra grudnoy khirurgii i anesteziologii (zav. - prof.  
S.A. Gadzhiyev) i kafedra nervnykh bolezney (zav. - prof. V.V.  
Semenova-Tyan'shanskaya) Leningradskogo instituta usovershenst-  
vovaniya vrachey imeni S.M. Kirova.

*Vaneyan, S.S.*

AUTHOR: Vaneyan, S.S., Engineer

99-5-6/11

TITLE: Application of Triangular Flooded Overflows  
(Primeneniye treugol'nykh zatoplennykh vodoslivov)

PERIODICAL: Gidrotekhnika i Melioratsiya, 1957, # 5, p 39-42 (USSR)

ABSTRACT: Triangular-shaped overflows have been used successfully to measure small discharges of water. L.A. Valentini proposed (1951) to use trapezoidal overflows with flooded baffle plates (dams) when measuring low discharges of water with little difference between the upper and lower head. Respective laboratory experiments were conducted by the All-Union Scientific Research Institute for Hydraulic Engineering and Melioration. The amount of water discharge was established for a certain overflow to be tested, whereby the water level of the lower head was changed with the aid of dam beams. Series of triangular spillways were used when low flows of water with considerable widths had to be measured. The data established in the course of these experiments can be used only under conditions similar to those existing at the experiments. At water discharges in excess of 5 liters/sec and baffle plates higher than 8 cm, other rules may apply.

Card 1/2

This article contains 2 figures, 3 diagrams and 4 references,

Application of Triangular Flooded Overflows

99-5-6/11

all Slavic.

ASSOCIATION: VNIIGiM - All-Union Scientific Research Institute for Hydraulic Engineering and Melioration (Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii - VNIIGiM)

AVAILABLE: Library of Congress

Card 2/2

VANEYAN, S.S., insh.

Some problems in the theory of gravity flow and mechanized  
surface irrigation. Trudy VNIIOIM 35, 157-171 '60. (MIRA 14:9)  
(Irrigation)

PETROV, Ye.G., kand.sel'skokhoz.nauk; KHARITONOV, B.D., inzh.; VANEYAN,  
S.S., inzh.

The SPM-200 automotive irrigating machine. Cidr. i mel. 13  
no.2:13-24 F '61. (MIRA 14:9)  
(Irrigation)

VANEYAN, S.S., inzh.

Watering using the DDA-100 sprinklers without removal of water.  
Gidr. i mel. 14 no.8:14-20 Ag '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki  
i melioratsii.

(Sprinkler irrigation)



VANDIYAN, S.S.

"Questions of the Technology of Surface Mechanized Irrigation  
Along Furrows and Projections";

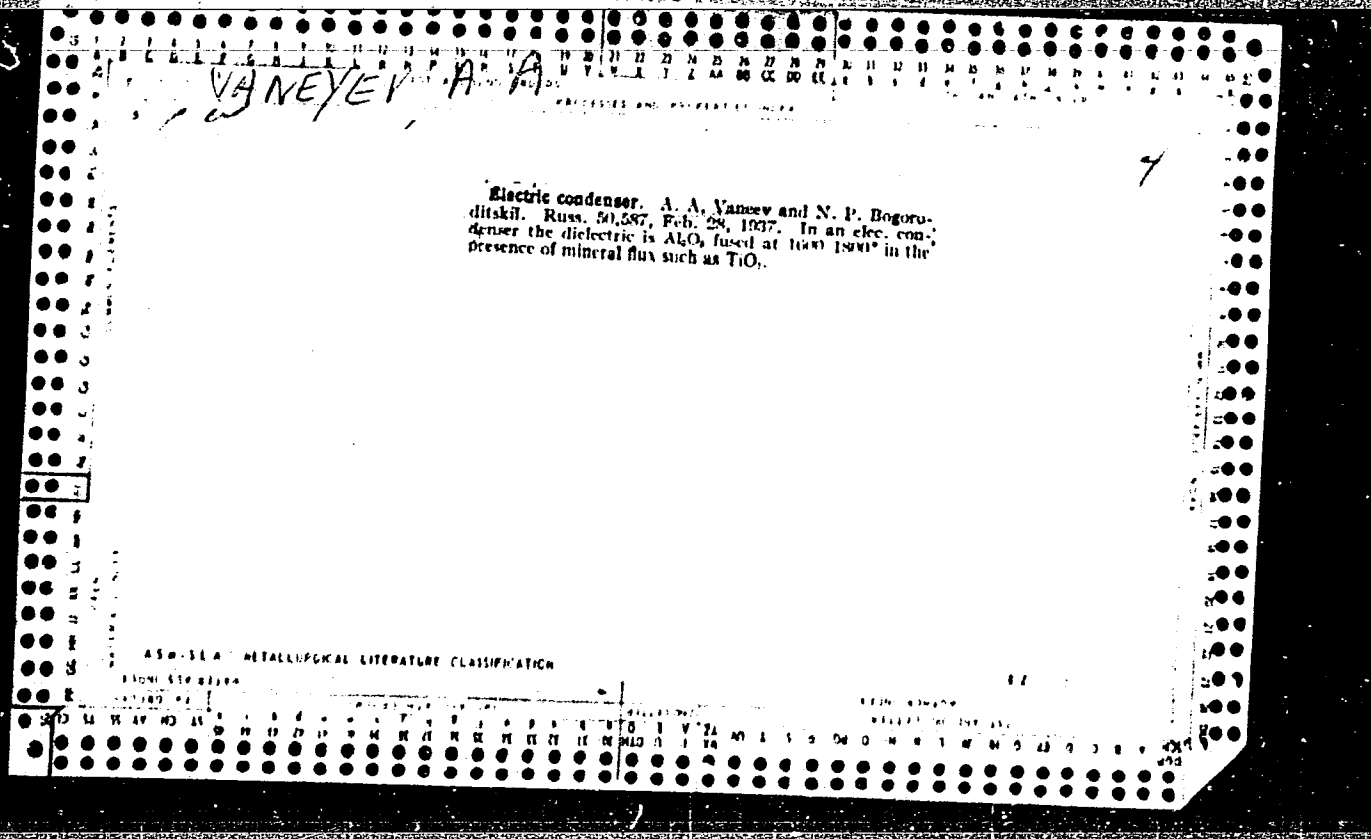
dissertation for the degree of Candidate of Technical Sciences  
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,  
1963, pp 232-236)

VANEYAN, S.S., kand. tekhn. nauk

Scheme for the operation of sprinklers with minimum losses of  
water through seepage. Gidr. 1 mel. 16 no.7:31-34 J1 '64.

(MIRA 17:11)



12T12

VANEYEV, A.

USSR/Electric Systems  
Automobiles

Feb 1947

"Six- and Twelve-volt Systems in Automobiles,"  
A. Vaneyev, 3 pp

"Avtomobil'" Vol XXV, No 2

Detailed technical description of voltage systems  
in GAZ and ZIS engines.

12T12

VANEYEV, A., kand.tekhn.nauk

Scientific Research Institute of Motor Vehicle Electric Equipment.  
Avt.transp. 37 no.1:57 Ja '59. (MIRA 12:2)

1. Zamestitel' direktora Nauchno-issledovatel'skogo instituta avto-  
priborov po nauchnoy chasti.  
(Motor vehicles--Electric equipment--Research)

VANEYEV, A.I.

Automobiles - Electric Equipment

Increasing the length of service of electrical equipment of an automobile (Continued).  
Avt. trakt. prom., no. 6, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, OCTOBER 1952. UNCLASSIFIED.

VANEYEV, A. I.

USSR/vehicle electrical equipment

Card 1/1 : Pub. 12 - 2/14

Authors : Vaneyev, A. I., Cand. of Techn. Sc.

Title : Requirements for the electrical equipment of automobiles and the selection of voltage and current systems.

Periodical : Avt. trakt. prom. 4, 3-7, Apr 1954

Abstract : General requirements for the electrical equipment of automobiles and tractors and the proper selection of voltage and current systems, suitable for the 1950s, are presented. The requirements were formulated by the Scientific Research Institute of Auto Instrumentation and are applicable to the electrical equipment of the newest types of automobiles and tractors. (Title in Russian.)

Institution : Scientific Research Institute of Auto Instrumentation (NII Avtopriborov)

Submitted : .....

VANEYEV, A. I.

USSR/Engineering - Ignition system

Card 1/1 : Pub. 12 - 2/14

Authors : Vaneev, A. I.

Title : Ways of improving automobile ignition systems

Periodical : Avt. trakt. prom. 5, 2-9, May 1954

Abstract : Various components of the automobile ignition system were investigated, by the Scientific Investigational Institute for Automobile Instruments, in order to determine their shortcomings in operation under winter conditions. The tests were conducted on spark plugs, ignition harnesses, condensers, ignition coils, etc. Illustration; tables; diagrams; drawings.

Institution : .....

Submitted : .....



VANEYEV, A. I.

USSR/Engineering - systems

Card 1/1 : Pub. 12 - 2/16

Authors : Vanev, A. I.

Title : Ways of improving the electrical starting system of automobiles

Periodical : Avt. trakt. prom. 6, 3-8, June 1954

Abstract : Methods for improving starting of automobiles under winter conditions are discussed. Tests were conducted on electric starters, batteries, and voltage regulators used in GAS-51 and ZIS-150 automobiles. Tables giving technical data on performance and characteristics of the above mentioned equipment, are presented. Graphs; drawings.

Institution : .....

Submitted : .....

VANEYEV, A. I.

USSR/ Engineering - Generators

Card 1/1 : Pub. 12 - 2/16

Authors : Vaneev, A. I.

Title : Ways of improving generators and automobile lighting systems

Periodical : Avt. trakt. prom. 7, 3-9, July 1954

Abstract : The improvement of automobile generators, relay and lighting systems is emphasized. A general description of tests, conducted on the above mentioned equipment, is given, together with technical data and specifications. Tables; graphs; drawing; illustrations.

Institution : .....

Submitted : .....

VANEYEV, A.I., kandidat tekhnicheskikh nauk; KURILO, A.I.

Improvements in tractor electric equipment. Avt. trakt. prom.  
no.7:6-12 J1 '55. (MLRA 8:9)

1. Nauchno-issledovatel'skiy institut avtopriborov  
(Tractors--Electric equipment)

VHNEYEV, H.I.

LARIONOV, A.H.; BABIKOV, M.A.; VANEYEV, A.I.; ZHITKOV, A.A.; KOPYLOV, V.P.;  
TRIF'YAKOV, M.F.; GAIFFEYEV, F.F.

V.N. Akimov, Elektrichestvo no.10:86 0'55. (MLBA 8:12)  
(Akimov, Valentin Nikolaevich, 1903-1955)

VANEYEV, A., kandidat tekhnicheskikh nauk.

Prospective development in automotive electric equipment design.  
(MIRA 8:3)

Avt. transp. 33 no. 1:28-32 Ja'55.  
(Automobiles--Electric equipment)

VANEYEV, A.I., Kandidat tekhnicheskikh nauk; SKOBLIKOV, A.S.

Increasing the spark gap of spark plugs and the requirements for  
automobile ignition systems. Avt. i trakt. prom no. 8:26-28 Ag '56.  
(MLRA 9:10)

1. Nauchno-issledovatel'skiy institut Avtopriborov.  
(Spark plugs)

**AUTHOR:** VANEYEV, A.I., cand. tech. sc. (Moscow) PA - 3099  
**TITLE:** ~~New Requirements for Automotiv and Tractor Electrical Equipment.~~  
(Novyye trebovaniya k avtotraktornomu elektrooborudovaniyu, Russian)  
**PERIODICAL:** Elektrichestvo, 1957, Nr 5, pp 20-25 (U.S.S.R.)  
Received: 6 / 1957 Reviewed: 7 / 1957

**ABSTRACT:** The new automobile- and tractor models have an electrical equipment with a voltage of 12 V. Automobiles with Diesel motors have 12 / 24 V with a battery switchover during starting from parallel- to series connection. At present a voltage of 24 V without battery switchover is being adopted. The most recent endeavors in regard to generators and governors are concerned with reducing weight and size. The speed of the car at which the generator shows its full output amounts to 21 - 27 km/hour in the new Soviet models, and to 50 km/hour in the U.S.A. Hitherto, the output, the transmission ratio, etc. of the generator were selected. Now, however, a new method for determining of those parameters has been worked out by the NII for auto equipment. Recently one has begun to use alternating current synchronous generators with electromagnetic excitation in autobuses. The maintenance of the consuming device and the charging of the battery takes place by means of a selenium rectifier. For tractors it is obligatory instead of 60 W generators, to use generators with 120, 180 and 240 W according to the number of the trailers. A new tractor

Card 1/2

PA - 3099  
New Requirements for Automotiv and Tractor Electrical Equipment.

head light with little dazzling effect and uniform illumination of a 7 x 18 m surface has been worked out. The new constructions of automatic starters have thrust worm drive and freewheel roller clutch. Basic batteries are very promising. The experiments in the NII for auto equipment showed that with a very strongly ionized medium, as is the case in ignition coils, the best material for insulation is oil.

Great attention was devoted to radio reception disturbances caused by electrical equipment and above all by ignition.

**ASSOCIATION:** Not given  
**PRESENTED BY:**  
**SUBMITTED:** 7.8.1956  
**AVAILABLE:** Library of Congress

Card 2/2

SOV/113-58-4-14/21

AUTHOR: Vaneyev, A.I., Candidate of Technical Sciences

TITLE: The Production of Electrical Automobile Equipment in England  
(Proizvodstvo avtomobil'nogo elektrooborudovaniya v Anglii)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 4, pp 38-41 (USSR)

ABSTRACT: The author surveys the production of electrical automobile equipment in England. In one instance he mentions that in the collectors of generators and starters asbestos paper impregnated with melamine-formaldehyde resin of Nr 2 type material, developed by NIIAvtopribory, serves as interlammellar insulation. There are 6 photos and 3 diagrams.

1. Automobile industry--England    2. Electrical equipment  
--Production

Card 1/1



AUTHOR: Vaneyev, A.I., Candidate of Technical Sciences 113-58-6-16/16

TITLE: A New Basic Standard for Electrical Equipment of Automobiles and Tractors (Novyy osnovnoy standart na avtotraktornoye elektrooborudovaniye)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 6, pp 43-45 (USSR)

ABSTRACT: A new GOST has been put into effect, the GOST 3940-57 - Electrical Equipment for Automobiles and Tractors. This GOST comprises all basic electric machines and apparatuses for automobiles, tractors, agricultural machines, motorcycles and stationary internal combustion engines. The author gives a detailed description of the changes made in the new GOST in comparison with the old one. There is 1 graph and 2 tables.

ASSOCIATION: NIIAvtopriborov

Card 1/1 1. Automobile industry--USSR 2. Electrical equipment--Standards

USCOMM-DC-55315

SOV/105-58-7-17/32

AUTHOR: Vaneyev, A. I., Candidate of Technical Sciences

TITLE: New Standards for the Electric Equipment of Automobiles and Tractors (Novyy standart na avtotraktornoye elektrooborudovaniye)

PERIODICAL: Elektrichestvo, 1958, Nr 7, pp. 68 - 71 (USSR)

ABSTRACT: Last year the new Soviet Standard "Electric Equipment for Automobiles and Tractors, General Technical Requirements", (GOST 3940-57) was confirmed and entered into force. The innovations introduced as against the old standard GOST 3940-47 are described. The polarity of the connection of storage-batteries and other aggregates to the casing of the machine was changed over from the positive to the negative pole. New types of products - protected against dust and jets of water - are described in paragraph 5. Products warranting a minimum noise level during radio reception and the demands to be made on the noise level produced by the operating electric equipment are mentioned in paragraph 6. Besides good working order during vibrations, the new

Card 1/3

New Standards for the Electric Equipment of Automobiles and Tractors SOV/105-58-7-17/32

standard requires the same also during shaking. The electric equipment must be examined: In the case of vibrations with a frequency of 2500 periods per minute and an amplitude of  $\pm 0,5$  mm, as well as in the case of shaking at 900 periods per minute and  $\pm 3,5$  mm. The testing conditions for the electric strength of the insulation of the electric equipment were considerably changed. The chapter on maximum admissible temperatures in different parts of the equipment was augmented to a considerable extent. - The new standard requires data on the technical conditions for the individual methods of production and their life in operation. A series of new test-methods was worked out and the following among them were included among the standards: 1) Method for testing of resistance to frost and methods of judging the operational capacity of the products after their examination. 2) Method of testing the heat resistance and the methods of evaluating the working order of the products after being tested. 3) Method of judging the working order of the products after having been tested with respect to their resistance to moisture. 4) A method of testing resistivity to vibration and shaking. 5) Method of testing the impermeability to

Card 2/3

New Standards for the Electric Equipment of Automobiles and Tractors SOV/105-58-7-17/52

dust. 6) Method of testing resistivity to spraying jets.  
7) Method of testing the adhesion of coats of varnish to  
the coated surface. There are 2 figures and 3 tables.

ASSOCIATION: NII avtopriborov

SUBMITTED: January 23, 1958

1. Electrical equipment--Standards      2. Motor vehicles--Electrical  
equipment

Card 3/3

12(2)

SOV/113-59-5-5/21

AUTHORS: Vaneyev, A.I., Candidate of Technical Sciences,  
Deceased; SKoblikov, A.S.

TITLE: Vacuum Devices for Automatic Ignition Advance Under  
All Operating Conditions

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 5,  
pp 15 - 17 (USSR)

ABSTRACT: The designing of automatic devices providing the  
most suitable angle of ignition advance during all  
engine load conditions presents certain difficulties.  
With Soviet automobiles, the ignition advance is  
controlled by a centrifugal device concerning speed  
and by a vacuum device concerning load. The ZIL-  
15CV with distributor R-21A is an example in this  
respect. Distributors produced by automotive elec-  
trical equipment plants do not always correspond to  
the technical specifications. At NII Avtopriborov,  
37 new series distributors of type R-20 and R-21  
were investigated. Six distributors exceeded the

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SOV/113-59-5-5/21

Vacuum Devices for Automatic Ignition Advance Under All Operating Conditions

tolerance by  $1^{\circ}$  on the distributor shaft, while five vacuum spark control devices showed an excess of  $1.5^{\circ}$ . After a run of 25,000-60,000 km the function of the automatic devices deteriorated, 17 centrifugal spark advancers showed an error of  $4^{\circ}$ , while 14 vacuum devices exceeded the tolerance by  $2^{\circ}$ . Tests conducted by NII Avtopriborov showed that for traffic conditions in the USSR ignition control according to load is necessary and that the application of the centrifugal spark advance alone will lead to an excessive fuel consumption. The work for selecting the characteristic of an automatic vacuum ignition governor was conducted by NII Avtopriborov in cooperation with the Gor'kiy and Moscow automobile plants and the Moskovskiy zavod malolitrazhnykh avtomobiley (Moscow Plant of Low Engine Displacement Automobiles). For this purpose, the vacuum condi-

Card 2/4

SOV/113-59-5-5-/21

Vacuum Devices for Automatic Ignition Advance Under All Operating Conditions

tions in the carburetor intake were studied. Figure 3 shows graphs of the vacuum in a K-22G carburetor. It was established that the combination of the vacuum taken from the diffuser  $h_d$  and the intake collector  $h_k$ , as shown in Figure 4, may be used for controlling the vacuum governor. Presently, the characteristics of automatic vacuum ignition governors were established for engines GAZ-51, GAZ-51F, ZIL-120 and ZIL-150V. Figure 5 shows the characteristic of the automatic vacuum governor for the ZIL-150V. Figure 6 shows 2 distributors equipped with vacuum ignition advance control under all load conditions. For comparison, a mass-produced distributor is shown in Figure 7. The authors mentioned

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SOV/113-59-5-5/21

Vacuum Devices for Automatic Ignition Advance Under All Operating Conditions

operational tests of the aforementioned vacuum governors on "Pobeda" and ZIM sedans, GAZ-51, ZIL-150 and on buses ZIL-155 which showed satisfactory results. After the test vehicles had covered distances of 100,000 km, the spark advance still worked satisfactorily. There are 3 diagrams and 3 graphs.

ASSOCIATION: Avtopriborov

Card 4/4



AUTHOR: Vaneyev, I.I. Engineer

136-11-14/17

TITLE: Use of Carboxymethyl-cellulose for the Flotation of Sulphide nickel-copper Ores (Primeneniye karboksimet-iltseilyulozy pri flotatsii sul'fidnykh nikelevo-mednykh rud)

PERIODICAL: Tsvetnyye Metally, 1957, No.11, pp. 79 - 81 (USSR)

ABSTRACT: At present, waterglass is used for suppressing flotationally active silicates in treating crude concentrates of sulphide nickel-copper ores. But the author points out that this becomes less effective when the active-silicate content rises to 60-80%, which prevents efficient nickel recovery. Based on successful laboratory work by the Mekhanobr Institute on Kaula ores, the Institute, in March, 1957, carried out semi-full scale experiments together with works personnel of the experimental plant at the Pechenganikel' Works on the use of carboxymethylcellulose instead of waterglass for Zhdanov ores. The flow sheet for the process developed is given and results of comparative tests on the thickenability of concentrates obtained with the new and old reagents are presented (Fig.2). It was found that with carboxymethyl-cellulose concentrates with higher nickel and copper and lower magnesia contents and with better thickenability can be produced than with waterglass. There are 2 figures, 1 table and 2 Russian references.

Card 1/2

136-11-14/17  
Use of Carboxymethyl-cellulose for the Flotation of Sulphide Nickel-copper ores

ASSOCIATION: Mekhanobr Institute (Institut Mekhanobr)

AVAILABLE: Library of Congress

Card 2/2

1. Sulfide nickel copper ores-Flotation
2. Carboxymethyl cellulose-Applications

VANEYEV, I.I., inzh., referent

Reducing the magnesia content of concentrates at the Flin-Flon  
Copper-Nickel Plant (from "Canadian Mining and Metallurgical  
Bulletin" no. 536, 1956). Obog. rud 3 no.2:57-59 '58.  
(MIRA 11:11)

(Canada--Nonferrous metals--Metallurgy)

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Concentration tables with concrete decks. Obog. rud 4 no.6:  
54 '59. (MIRA 14:8)  
(Germany, East--Ore dressing--Equipment and  
supplies)