

RYAZANOV, M.I.

Phenomenological calculation of the effect of nonconducting media
in quantum electrodynamics. Zhur.eksp.i teor.fiz. 32 no.5:1244-1246
My '57. (MIRA 10:7)

I. Moskovskiy inzhenerno-fizicheskiy institut.
(Quantum theory) (Electrodynamic theory)

Ryazanov, M. I.

Distr: 4E4C/4E3d
580.145
503. A PHENOMENOLOGICAL CALCULATION OF THE EFFECT
OF A NON-CONDUCTING MEDIUM IN QUANTUM ELECTRO-
DYNAMICS. M. I. RYAZANOV.
Zh. eksper. teor. fiz., Vol. 42, No. 5, 1244-5 (1957). In Russian.
A covariant perturbation theory of the Feynman-Dyson type is
constructed for phenomenological quantum electrodynamics in
media. The probability of radiation by an electron is calculated in
this theory. G. E. Brown

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RVA AM V. I. I.

AUTHOR RYAZANOV, M.I., 56-5-43/55

TITLE The Phenomenological Consideration of the Influence of a Nonconducting Medium in Quantum Electrodynamics.
(Fenomenologicheskiv uchët vliyaniya neprovodyashchey sredy v kvantovoy elektrodinamike - Russian)

PERIODICAL Zhurnal Eksperim.i Teoret.Fiziki, 1957, Vol 32, Nr 5, pp 1244-1246(USSR)

ABSTRACT First of all the paper under review refers to some relevant preliminary papers; they direct attention to the structure of a covariant Feynman-Dyson's perturbation theory for the phenomenological Quantum electrodynamics in a medium. In this context, it will be of advantage to use the formulation proposed by Tamm for the phenomenological electrodynamics, in which the properties of the medium are described by the tensor $\epsilon_{\lambda\rho\sigma}$ of the dielectrical and of the magnetic permeability. This tensor connects the tensor of the fields F_{λ} with the tensor of the inductions: $H_{\nu\lambda} = \epsilon_{\lambda\rho\sigma} \cdot F_{\rho\sigma}$ is then specialized for a homogeneous isotropic medium, and an equation is derived for the potential of the electromagnetic field. It is also easily possible to derive the rules for the computation of the elements of the scattering matrix. For the Green's function of the photons, a formula is given in the impulse space. In order to obtain convergent expressions, it is necessary to limit in an invariant way the impulse domain of the side of the soft quanta. An additional term, the constant λ^2 is introduced into the denominator of the Green's function: it cuts off the infrared domain. Then the paper under review gives

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The Phenomenological Consideration of the Influence of a Nonconducting Medium in Quantum Electrodynamics. 56-5-43/55

the final expression for the Green's function. The matrix elements can be computed with the aid of the usual technique of graphs. Expressions are also given for the probability of the emission of an unpolarized proton by an unpolarized electron, and for the energy emitted per unit of time.
(No reproduction).

ASSOCIATION Moscow Engineering-Physical Institute
PRESENTED BY
SUBMITTED 13.2.1957
AVAILABLE Library of Congress.
Card 2/2

23327

S/058/61/000/005/009/063
A001/A101

24,6700(1191,1538,1559)

AUTHOR: Ryazanov, M.I.

TITLE: Change in probability of fast meson decay caused by Coulomb scattering in dense media

PERIODICAL: Referativnyy zhurnal. Fizika, no. 6, 1961, 77, abstract 6B249 ("Tr. Mezhdunar. konferentsii po kosmich. lucham, 1959, v. 2", Moscow, AN SSSR, 1960, 347 - 348)

TEXT: Decay probability of a fast μ -meson is calculated with allowance for the interaction of the μ -meson and decay electron with the summary external potential of the atoms of an amorphous medium. The expression obtained for transition probability is averaged over all possible distributions of the medium atoms and is dependent only on the nuclear charge and medium density. If the decaying particle is at rest relative to the medium, Coulomb scattering of the final particle alone takes place, and the corrections considered vanish in the averaging process. Interference of the Coulomb scattering of the fast decaying particle and

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Change in probability ...

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decay products reduces the total decay probability, i.e. increases the life time of the particle. In its properties and nature, the effect considered is an analog of the Landau-Pomeranchuk effect for brehmsstrahlung.

V. Guzhavin

[Abstracter's note: Complete translation]

Card 2/2

ARTEMOVA, N.Ye.; GUSEV, A.M.; RYAZANOV, N.I.

Some new methods for predicting a Novorossiysk bora. Izv. AN SSSR.
Ser. geofiz. no.6:811-822 Je '62. (MIRA 15:6)

1. Akademiya nauk SSSR, Institut prikladnoy geofiziki.
(Weather forecasting) (Novorossiysk--Bora)

RYAZANOV, N.I.,

B.S. SHAPIRO, Kachestvennaya Stal 1935, No. 7, 22-9.

L 11401-63

BDS

S/032/63/029/005/015/022

45

AUTHORS: Zilikova, T. K., Novosil'tseva, N. I., Palkin, B. A., Ryazanov, N. V. and Fridman, Ya. B.

TITLE: Method of testing sheet materials for biaxial extension at a different reserve of elastic energy

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 5, 1963, 600-604

TEXT: Analysis of a number of operational failures such as the explosion of the British "Comet" jet aircraft has shown that with a rise in the reserve of elastic energy in the presence of defects not only acceleration of deformation and failure occur, but also a reduction in the strength of a material can be expected. A device has been constructed to test biaxial extension of sheet material at a different reserve of elastic energy by means of pneumatic (gaseous nitrogen) or hydraulic (liquid AMG-10), arranged so that the working part of the test piece was in a zone of practically symmetrical biaxial extension. In tests of the influence of the working medium transmitting pressure to the test piece on the strength and nature of failure of the sample, test pieces were broken down into rather large pieces in the hydraulic test and into fine pieces in the pneumatic. In tests of the influence of the volume of the working medium it was found that increase in the volume of the container did not lead to substantial change in the kinetics, although the rate of deformation increased. There are 6 figures Card 1/1 ja/llh \ and 2 tables.

ZILOVA, T.K.; PALKIN, B.A.; PETRUKHINA, N.I.; RYAZANOV, N.V.; FRIDMAN, Ya.B.

U.S.S.R.

Tensile testing in connection with varying supply of elastic energy.

Zav. lab. 25 no.1:76-82 '59.

(MIRA 12:1)

(Elasticity) (Alloys--Testing) (Testing machines)

ZAKHARBEKOV, R.V., inzh.; RYAZANOV, M.K., inzh.

Determining the operational preparedness of bushed-roller
chains of bucket excavators. Stroil. i dor. mash. 9 no.11:
17-86 N 164 (MIRA 18s2)

RYZHOV, H. V.

Chair of Microbiology, Kirov Military Med. Acad., Red Army,
(-1944-).

"An improved modification of the Neill-Feliz's reaction
after I. A. Minkevich."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 1-2, 19/4.

ha

EXCERPTA MEDICA Sec 17 Vol 5/9 Public Health Sept 59

2785. DISINFECTION OF WATER CONTAMINATED WITH POLIOMYELITIS
VIRUS (Russian text) - Ryzhov N. V. and Shtannikov E. V. - GIG.
I SAN. 1959, 3 (19-23)

Chlorination for at least 30 min. with a residual chlorine content of 0.05-2.1 mg./l.
is effective. Chlorine-containing compounds such as halazone ('pantocide') in-
activate the virus after 30 min. at a residual chlorine content of 1.5-2.1 mg./l.

Horn - Halle (L, 17, 4)

RYZHOV, N.V., dots.; SHTANNIKOV, Ye.V., kand.med.nauk

Purification of water infected with poliomyelitis virus.
Gig. i san. 24 no.3:19-23 Mr '59. (MIRA 12:5)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

(POLIOMYELITIS VIRUS,

water infect., purification (Rus))

(WATER, microbiology

polio. virus, purification (Rus))

DROZDOVSKIY, B.A.; PALKIN, B.A.; RYAZANOV, N.V.

Resonance vibrator producing fractures in specimens. Zav.lab. 25 no.3:
341-343 '59. (MIRA 12:4)

(Testing machines)

25(2)

SOV/32-25-3-32/62

AUTHORS:

Drozdovskiy, B. A., Palkin, B. A., Ryazanov, N. V.

TITLE:

Resonance-vibrator for the Production of Cracks in Samples
(Rezonansnyy vibrator dlya sozdaniya treshchin v obraztsakh)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 341-343 (USSR)

ABSTRACT:

Methods of testing cracked samples have already been reported on (Ref 1). Since the methods of producing cracks in samples used so far take up too much time, a resonance-vibrator unit for producing cracks was constructed (Figs 1,2). The vibrator (according to TsAGI), which can be freely shifted along the tube, is fastened to the tube at the support. Vibration speed of the vibrator disk: 1500 rpm, length of the tube: 400 mm, weight of the vibrator with support: 1 kg, outer diameter of the tube: 45 mm, inner diameter: 35 mm. With an amplitude of 5-6 mm cracks can be produced within 3-4 minutes. Investigations of the influence of the load frequency which were carried out by periodical impact tests on cracked samples on the one hand (150 impacts/min) and on the vibrator on the other hand (frequency: 900 periods/min), showed no difference for medium-resistant steel 30KhGSA and highly-resistant steel 30KhGSNA.

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Resonance-vibrator for the Production of Cracks in Samples

Cracked samples of the same material with the dimensions 10 x 8 mm and 5 x 4 mm were tested and a comparison of the results showed that both tests give the same classification and, for the most part, give absolute values of the specific work similar to those obtained in impact bending tests. There are 2 figures and 1 Soviet reference.

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ZILOVA, T.K.; NOVOSIL'TSEVA, N.I.; PALKIN, B.A.; RYAZANOV, N.V.; FRIDMAN, Ya.B.

Methods of testing sheet materials for biaxial tension in the
presence of different reserves of elastic energy. *Zav.lab.* 29
no.5:604-604 '63. (MIRA 16:5)

(Materials--Testing)

14(11)

AUTHORS:

Zilova, T. K., Palkin, B. A.,
Petrukhina, N. I., Ryazanov, N. V.,
Fridman, Ya. B.

SOV/32-25-1-31/51

TITLE:

Extension Test at Various Elastic Energy Reserves (Ispytaniye na rastyazheniye pri razlichnykh zapasakh uprugoy energii)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 1, pp 76-82 (USSR)

ABSTRACT:

The test plant DRP-361 was designed for studying the influence exercised by the initial elastic energy reserve upon load conditions and material properties. It is provided with a dynamometric spring with variable elasticity. The maximum load and maximum reserve of elastic energy which is stored up in the spring dynamometer, depend on the properties of the chosen spring, their number and arrangement. By means of that plant, short and long-term tests of extension can be carried out according to the scheme of an isolated and unisolated system. The mechanical and hydraulic part of the plant is calculated for a maximum axial load of 15 tons, a maximum oil pressure of 100 kg/cm², and a maximum piston motion of 15 mm. The plant covers the test plant (Fig 1), a system of hydraulic supply lines (Fig 2) and a set of measuring

Card 1/2

Extension Test at Various Elastic Energy Reserves

SOV/32-25-1-31/51

instruments. The set is provided with a loop oscillograph MPO-2, the dynamometric spring represents a series of foil springs (according to GOST 3057-54), and AMG-10 was used as working liquid. The cells were calibrated (for the purpose of measuring the axial load of the specimen) by means of the IM4A test plant. The oscillograms obtained were measured by means of a BMI microscope. The sample stress was measured by means of tension indicators. The latter consist of the ICh indicator, a small elastic U beam of beryllium bronze and "resistance cells" of the DK-10 or DK-25 type. It was stated that the influence of elasticity is determined by the kinetics of the change in the load force. Some further observations were made with the D16T alloy and some 30 KhGSNA steel specimens. There are 9 figures, 3 tables, and 9 references, 6 of which are Soviet.

Card 2/2

ZILOVA, T.K.; PETRUKHINA, N.I.; PALKIN, B.A.; RYAZANOV, N.V.;
FRIDMAN, Ya.B.; prinalni uchastiye: BULANOV, Yu.A.,
KOS'KINA, V.N.

Tension and torsion testing of studs at different flexibility
of load-applying devices. Zav.lab. 27 no.7:877-883 '61.
(MIRA 14:7)

(Materials--Testing)

RYAZANOV, P.

Hundred per cent. Za rul. 17 no.1:8-9 Ja '59. (MIRA 12:3)

1. Predsedatel' gorodskogo komiteta Dobrovol'nogo obshchestva osdeyst-
viya armii, aviatsii i flotu, Mednogorsk.
(Mednogorsk--Automobile drivers)

RYAZANOV, P.G.

Method of investigating tactile and pain sensitivity of the skin.
Biul. eksp. biol. i med. 38 no.9:77-78 S '54. (MLBA 7:12)

1. Iz Pyatigorskogo klinicheskogo sanatoriya.

(SKIN, physiology,

pain & tactile sensitivity, technic of investigation)

(PAIN,

skin sensitivity, technic of investigation)

RYAZANOV, S.

GUBAREV, Ye. (gor. Kuybyshev); RYAZANOV, S. (gor. Kuybyshev).

Advance of an engineer. Grazhd. sv. 14 no. 5:17 My '57. (MLRA 10:2)
(Kurasov, Vladimir)

RYAZANOV, S.

84-8-5/36

AUTHOR: Ryazanov, S., Assistant Chief of Political Department of
the Volga Territorial Administration of GVF

TITLE: In a Fight for Higher Crops (V bor'be za vysokkiye urozhai)

PERIODICAL: Grazhdanskaya Aviatsiya, 1957, Nr 8, p. 5 (USSR)

ABSTRACT: The crews of plane commanders Klimov, Deryugin, Filichev and others, and some individuals, are commended for their work in helping Soviet agriculture to obtain better and larger crop yields, and for their readiness to use and spread advanced methods, especially as far as economy of fuel is concerned. The article praises the unit whose commander is comrad Ognev more than the others and emphasizes the assistance his unit received from comrade Ponomarev, the local (i.e. Volga territorial administration) party secretary. To achieve better co-operation Comrade Klimov and his crew informed in advance the sovkhoses about all necessary preparatory work the sovkhoses should do in order to facilitate the operations of the aviation

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In a Fight for Higher Crops (Cont.)

84-8-5/36

personnel: stock fuel bins, have loaders ready, etc. The chiefs of kolkhozes were supplied with the schedules of coming operations. The results were good. Comrade Klimov's crew sprayed fertilizers over an area of 3,540 hectares; the quota was fulfilled by 118 per cent. Comrade Deryugin's crew covered 3,124 hectares and fulfilled the plan by 110.6 per cent. Pilot Zaylyalov compiled 6 bulletins informing the participants of the operations about the progress of Socialist emulation among the crews. A photo accompanies the article showing a plane. Caption reads: the An-2 plane during air chemical operations.

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RYAZANOV, S. (Kuybyshev); GUBAREV, G. (Kuybyshev)

A man enters the Party. Grazhd.av. 18 no.7:7 J1 '61.
(MIRA 14:8)
(Communist Party of the Soviet Union--Membership)

S/117/63/000/001/001/001
A004/A101

AUTHORS: Ryazanov, S. V., Filonenko, A. A. (Deceased)

TITLE: Glue for mineral-ceramic tool bits

PERIODICAL: Mashinostroitel', no. 1, 1963, 35

TEXT: On the recommendation of the Metal Cutting Section of the Khar'kovskiy politekhnicheskiy institut im. V. I. Lenin (Khar'kov Polytechnic Institute im. V. I. Lenin) the Zaporozhskiy instrumental'nyy zavod im. Voykova (Zaporozhye Tool Plant im. Voykov) has developed a glue and a gluing method for joining mineral-ceramic tool bits by a high-strength glue on the base of the ЭД-5 (ED-5) and ЭД-6 (ED-6) epoxy resin. This glue is composed of epoxy resin, a solidifying agent, plasticizer and filler. Maleic anhydride is used as solidifying agent, while dibutylphthalate is used as plasticizer and zinc oxide as filler. A brief description is given of the glue production process. The tools with the bits glued on are heated to 180 - 220 °C for up to 2 hours, during which time the glue is fully polymerized. The prepared glue can be stored for 3 - 4 days without losing its efficiency. Tests showed that the joints glued with this glue are of high strength. ✓✓

Card 1/1

BEREZIN, S.I., inzh.; SHUBIK, A.Ye.; RIMMER, V.S., inzh., spets.red.;
GERASIMOVA, G.S., md.izd-va; RYAZANOV, P.Ye., tekhn.red.

[Production norms for the expenditure of building materials]
Proizvodstvennye normy raskhoda stroitel'nykh materialov.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.mate-
rialam, 1960. 125 p. (MIRA 13:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut ekono-
miki stroitel'stva.
(Building materials)

RYAZANOV, S.

Unity in the general, diversity in particulars. Grazhd.av.
17 no.1:6-8 Ja '60. (MIRA 13:5)

1. Zamestitel' nachal'nika politotdela Privolzhskogo upravleniya
Grazhdanskogo vozdušnogo flota.
(Aeronautics--Safety measures)

RYAZANOV, S.

In the struggle for high crop yields. Grazhd. av. 14 no.8:5 Ag '47.
(MIRA 10:9)

1. Zamestitel' nachal'nika politotdela Privolzhskogo territorial'nogo
upravleniya Grazhdanskogo vozdušnogo flota.
(Aeronautics in agriculture)

RYAZANOV, S.

84-11-9/36

AUTHOR:

Ryazanov, S., Deputy Chief of the Political Department, and Gubarev, Ye., Propagandist in the Same Department; both under Volga Territorial Administration

TITLE:

A Two-Year School of Economics (Dvukhgodichnaya shkola ekonomicheskikh znaniy)

PERIODICAL:

Grazhdanskaya aviatsiya, 1957, Nr 11, pp. 7-8 (USSR)

ABSTRACT:

The article relates the experience gained in the two-year school of economics organized in the squadron whose chief is comrade Brosalin. By "economics" the article means knowledge of oblast's resources and possibilities, as well as of capacities of aviation units and experience gained by them. During these two years a series of lectures were delivered on fuel economy, geographical data pertinent to the range of operations, etc. The courses were supervised by comrade Oparin, chief of staff of the squadron, and comrade Trofimov, deputy chief for political affairs. When the school was organized, 32 members of the

...ear School of Economics (Cont.)

84-11-9/36

squadron registered for the courses. As a result, the overall production and economy indices went up, or, in other words, the planes were used more efficiently. This was especially true of the An-2. In 1957 as compared with the first quarter of 1956, the productivity of the An-2 per 1 flight-hour increased by 17/ton kilometers, and hours flown per 1 inventory An-2 increased by 64 hours. Comrade Lis, one of the students, is mentioned by name.

AVAILABLE: Library of Congress
Card 2/2

Ryazanov, S.

84-5-14/42

AUTHORS: Gubarev, Yu., Ryazanov, S. (Kuybyshev)

TITLE: The Maturing Engineer (Rastushchiy inzhener)

PERIODICAL: Grazhdanskaya Aviatsiya, 1957, Nr 5, p. 17 (USSR)

ABSTRACT: Vladimir Kurasov graduated from the school for aircraft mechanics and was soon awarded with the "Pochetnaya Gramota" of the TsK VLKSM. He has been employed by the Kiyev Institute of the GVF as an engineer of a training unit to instruct future pilots and mechanics, supervising studies on theory and construction of engines. Among his pupils were, among others, pilots Antonov and Rakitin and mechanics Yakushev and Dimayev. Of 23 improvement suggestions made last year in Kurasov's unit, several suggestions were put into practice. Two of them were made by Kurasov himself: by proper timing of the OKPM oil dilution valve Kurasov found the most effective method of diluting oil with gasoline for the An-2 planes; and by improving the adapter sleeve between the heater and the aircraft intake tube he reduced losses and speeded the heating process.

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Card: 1/1

RYAZANOV, S., polkovnik.

Drill instructions. Voen.znan. 29 no.5:17 My '53.

(MLR 6:6)

(Drill and minor tactics)

POPOV, S.M.; RYAZANOV, S.A.

Significance of the effective radiation in the heat balance of
of the ocean. Izv. AN SSSR. Ser. geofiz. no. 2:281-293 F '61.
(MIRA 14:2)

(Ocean temperature)

RYAZANOV, S.V.; FILONENKO, A.A. [deceased]

Adhesive for ceramic bits. Mashinostroitel' no.1:35 Ja '63.
(MIRA 16:2)

(Adhesives)

RYAZANOV, V., GUARDS LT. GEN. OF AVIATION

On Concentrated attacks of combat support aviation. Aviation General

Soviet Source: N: Krasnaya Zvezda, 24 May 45, Moscow

Abstracted in USAF "Treasure Island," on file in Library of Congress, Air Information Division, Report No. 85106. Unclassified.

EVANOV, G.; RYAZANOV, V.

How we prepare a technical conference. Prof.-tekh. obr. 22 no.6:
23-24 Je '65. (MIRA 18:7)

RYAZANOV, V.

SVIRIDOV, A., inzhener; SEDOV, F., inzhener; ~~RYAZANOV~~, V., inzhener.

Stackless loading and mechanized unloading of lumber. Mor. 1
rech. flot 14 no.10:5-7 0 '54. (MIRA 7:11)
(Lumber--Transportation)

RYAZANOV, V.

↑transformers of the nature; in the kolkhoz "Pervaia Piatiletka" Chkalov Chkalovskow izd-vo,
1950. 25 p.

RYAZANOV, -V.

"How we Follow T.S.Maltsev's system in Soil Cultivation", V. RYAZANOV, Chief
Agronomist of Chkalov Province Agriculture Administration.
(Izvestiya;25/7-1200(Editorial)
SO: Current Digest Soviet Press, Vol.6, #52,9 Feb.55

RYAZANOV, V.

Agriculture

24 centers of sunflowers to the hectare, (Chkalov) Chkalovskoe izd-vo, 1950.

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified

RYAZANOV, V.

Agriculture

Those who transform nature. (V kolkhoze "Pervaia Piatiletka") (Chkalov) Chkalovskoe
izd-vo, 1950.

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified

1. RYAZANOV, V. ALIMOV, V.
2. USSR (600)
4. Stock and Stockbreeding
7. Plan and location of livestock farms. Sel' stroi. / no. 5: S-A '52

9. Monthly List of Russian Accessions, Library of Congress, Feb. 1953. Unclassified

RYAZANOV, V.A.

37530 Profil'sanitarnogo vracha, podgotovka I usovershenstvovaniye sanitarno-epidemiologicheskikh kadrov v Sb:XII vsesoyuz. s'yezd gigiyenistov, epidemiologov, mikrobiologov I infektsionistov. T.I.M.,1949, S.33-41

SO: Letopis'Zhurnal'nykh Statey, Vol. 37, 1949

RYAZANOV, V. A.

30495

Dva napravlyeniya v sovryenyennoy gigiyenichyeskoy naukye (S primyech ryed.) Sov. zdravookhranyeniye, 1949, No. 4, S. 17-23.

SO: Letopis' No. 34

RYAZANOV, V. A.

37613. SARKISYAN, M.A. materialy k izhcheniyj vozbojpitelya kishhechnogo amebiaza.
(avtoreferat kand. dissertantsii) trudy in-ta malyarii i med. para-
zitologii (m-vo zdravookhraneniya arm. ssr), vyp. 4, 1949 s. 183-87

SO: Letopis' Zhurnal' nykh Statey, Vol. 37, 1949

RYAZANOV, V. A.

USSR/Medicine - Air Impurities
Medicine - Public Health

May 49

"Basic Principles Governing the Hygienic Standardization (Norms) of Atmospheric Impurities," Prof. V. A. Ryzanov, Gen. Sec. Res. Sanitation Inst. Imeni Brismann, Min. of Pub. Health RSFSR, 6 1/2 pp.

"Gig. i San" No. 5

Discusses in general the principles for norms of impurities in the atmosphere. Supports view that this should be based on the level at which conditions do not affect health, working ability, or well-being of the worker. Considers impurity content is lower in living quarters than industrial sites. No actual figures given.

56/19749

RYAZANOV, V.

62/49T53

USSR/Medicine - Air Purification Jul 49

Medicine - Hygiene and Sanitation

"Review of M. S. Gol'dberg's "Sanitary Protection of the Air," V. Ryazanov, 1 p

"Gig i San" No 7

Book fills a gap in hygienic literature. Chapters on air purification are timely. Chapter on sources of contamination and measures against it systematizes data on industries which contaminate the air, and gives methods in controlling such contamination. There is, however, much unnecessary advice directed to the sanitation doctor. Book needs revision.

62/49T53

RYAZANOV, V.A.

Organism and environment according to the Pavlovian theory. Gig. sanit.,
Moskva No.1:3-9 Jan 52. (CIML 21:4)

RYAZANOV, V. Ya. ^A

Public Health

Communal hygiene. A. N. Marzeyev. Reviewed by V. Ya. Ryazanov. Gig. i san. No. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

HYAZANOV, V.A.

Method of development of hygiene of atmosphere in the new five-year-
plan. Gig. sanit., Moskva no.6:3-8 June 1953. (CML 25:1)

RYAZANOV, Vladimir Aleksandrovich, professor; ROZANOV, L.S., redaktor;
SENCHILO, K.K., tekhnicheskiy redaktor.

[Sanitation of the atmosphere] Sanitarnaya okhrana atmosfernogo
vozdukh. Moskva, Gos. izd-vo med. lit-ry, 1954. 236 p. (MIRA 8:2)
(Air--Pollution)

LETAVET, A.A.; RYAZANOV, V.A.; KHOTSYANOV, L.K.; MOROZOV, A.L.; MARTSINKOVSKIY, B.I.; MITEREV, G.A.; IVANOV, V.A.; IZRAEL'SON, Z.I.; ORLOV, N.I.; CHERKINSKIY, S.N.; BERYUSHOV, K.G.; KIBAL'CHICH, I.A.; TARASENKO, N.Yu.; DRAGICHINA, Ye.A.; VORONTSOVA, Ye.I.; SANINA, Yu.P.; KREMNEVA, S.N.; KULAGINA, N.K.; SHAFRANOVA, A.S.; TIKHAYA, M.G.; MOLOKANOV, K.P.; RAZUMOV, N.P.; KURLYANDSKAYA, E.B.; KHALIZOVA, O.D.

In memory of Professor N.S.Pravdin. Gig.1 san. no.4:61 Ap '54.
(MLRA 7:4)
(Pravdin, Nikolai Sergeevich,)

MITREEV, G.A.; PAVLOV, A.A.; RYAZANOV, V.A.

In memory of N.V.Geminov. Gig. 1 san. no.10:64 0 '54. (MIRA 7:11)
(GEMINOV, NIKOLAI VLADIMIROVICH, -1954)

Рязанов, Владимир М.

Ryazanov, Vladimir A. *Sanitarnaya okhrana atmosferynogo vozdukh*. [Sanitary protection of the air]. Moscow, Gos. Izdat. Meditsinskoi literatury, 1953. 235 p. 20 figs., 52 tables, bibliog. p. 221-231. Review by M. S. Gaidberg in *Gigiena i Sanitariia*, Moscow, 21(91):59-60, Sept. 1956. [See 83 Jo. March 1955, 31 (R)].

RYAZANOV, V.A., prof.

Second stage in the work of the Committee on Maximum Permissible
Concentration of Atmospheric Pollution. Pred.dop.kontsent.atmosf.
zagr. no.2:3-16 '55 (MIRA 10:11)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo sanitarnogo
instituta imeni F.F.Brismana i kafedry kommunal'noy gigiyeny
TSentral'nogo instituta usovershenstvovaniya vrachey.

(AIR--POLLUTION)

RYAZANOV, V.A., prof.

Maximum permissible concentration of sulfuric acid in the air in populated areas. Pred.dop.kontsent.atmosf.zagr. no.2:64-70 '55 (MIRA 10:11)

1. Iz Gosudarstvennogo tsentral'nogo nauchno-issledovatel'skogo sanitarnogo instituta imeni F.F.Erismana.
(AIR--POLLUTION) (SULFURIC ACID)

EXCERPTA MEDICA Sec. 17 Vol. 3/7 Public Health July 57

2130. RYAZANOV V. A. Central Inst. of Postgrad. Educ. of Phys., Min. of High of the USSR, Moscow. *The problem of hygienic standardization of sanitary control of atmospheric air.* Russian text: Tezisy dokladov XIII vsesoyuznom s'ezda gigenistov, epidemiologov, mikrobiologov i infektionistov (Moscow) 1956. Kniga 1 (24—26)

The hygienists should carefully evaluate such factors as adaptation, condition of defence mechanisms, subsensory reactions, and the properties of the air contaminant. Soviet hygienists have elaborated in recent years the admissible concentrations of some 17 air contaminants (dust, soot, manganese, lead, arsenic, phosphorus anhydride, fluorides, nitrogen oxides, carbon monoxide, mercury, sulphur dioxide, aerosol of sulphuric acid, chlorine, hydrogen sulphide, carbon disulphide, phenol and benzene). At present work is being carried out on 5 other substances (hydrogen chloride, acrolein, formaldehyde, dichlorethane, petrol). A programme of further research in this field is presented.

Vavilin — Moscow

RYAZANOV, V. A.

✓ 5892. PERMISSIBLE LIMITS FOR CONCENTRATIONS OF ATMOSPHERIC POLLUTANTS.
(PREDEL'NO DOPUSTIMYE KONTSENTRATSII ATMOSFERNYKH ZAGRYAZNENII). ISSUE 7.
Ryazanov, V.A. (Ed.) (Moscow: Nedgiz, 1957, 169pp., 4s.6d.; title in
Collet's Foreign Bk News, 1957, (10A), 10). On the basis of work done in 1954
and 1955 the following permissible limits, in mg/cu.m, are proposed. These
limits are for a single occasion; the limits for the average concentration
over 24 h are one third of them in all cases. Aerosol of sulphuric acid, 0.30
(no change); sulphur dioxide, 0.30 (previously 0.75); hydrogen sulphide, 0.03
(previously 0.05); hydrogen sulphide with petroleum gas, 0.015 (previously,
0.05); phenol, 0.30 (no change); benzene, 2.4 (no limit previously); and
fluorine compounds, 0.03 (no change). There are separate papers on pollution
by sulphuric acid, sulphur dioxide, hydrogen sulphide and benzene, on pollution
by fluorine as a cause of fluorosis in children, on the method of determining
permissible concentrations, and on new methods of research. The charter and
composition of the Commission for Working Out Permissible Concentrations of
Pollutants are given in full. (BX011/Q).

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RYAZANOV, V.A.

RYAZANOV, V.A., prof.

New experimental data on maximum permissible concentrations of atmospheric pollution. Pred.dop.kontsent.atmosf.zagr. no.3:5-22 '57. (MIRA 10:11)

1. Iz kafedry kommunal'noy gigiyeny Tsentral'nogo instituta usovershenstvovaniya vrachey.

(AIR--POLLUTION)

RYAZANOV, V.A.

RYAZANOV, V.A., prof.; BUSHTUYEVA, K.A., kand.med.nauk; NOVIKOV, Yu.V.,
kand.med.nauk

Experimental methods for determining maximum permissible concentrations of atmospheric pollution. Pred.dop.kontsent.atmosf.zagr. no.3:117-151 '57. (MIRA 10:11)

1. Iz kafedry kommunal'noy gigiyeny Tsentral'nogo instituta usovershenstvovaniya vrachey.
(AIR--POLLUTION)

RYAZANOV, V. A.

"The Problem of Hygienic Normalization in the Field of Sanitary Air Protection."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

RYAZANOV, V. A., SYSIN, A. N., ZIL'BER, L. A., SHAPAD, L. M.

"Tasks of Hygiene in the Field of Problems of Cancer."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

ALEKSEYEVA, Mariya Vasil'yevna; RYAZANOV, V.A., prof., red.; NOVIKOV, Yu.V., red.; GABERLAND, M.I., tekhn.red.

[Determination of atmospheric contaminations] Opredelenie atmosferykh zagryaznenii. Pod red. V.A.Ryazanova. Moskva, Gos.isd-vo med.lit-ry, 1959. 169 p. (MIRA 13:2)

1. Predsedatel' komissii po predel'no-dopustimym kontsentratsiyam atmosferykh zagryazneniy Glávnoy gosudarstvennoy sanitarnoy inspeksii SSSR (for Ryazanov).
(Air--Analysis)

RYAZANOV, V.A., prof.; IZMEROV, N.F., kand.med.nauk

Activity of the All-Russian Society of Hygienists and Sanitary
Specialists. Zdrav. Ros. Feder. 4 no.12:36-37 D '60. (MIRA 13:12)
(PUBLIC HEALTH SOCIETIES)

BERYUSHEV, K.G., dotsent; GALANIN, N.F., prof.; GURVICH, L.S., doktor med. nauk; NOVIKOV, Yu.V., kand. med. nauk; RYAZANOV, V.A., prof.; CHERKINSKIY, S.N., prof.; KROTKOV, F.G., prof., otv. red.; GOROMOSOV, M.S., doktor med. nauk, red.; BUSHTUYEVA, K.A., red.; ZUYEVA, N.K., tekhn. red.

[Manual on communal hygiene] Rukovodstvo po kommunal'noi gigiene. Otv.red.F.G.Krotkov. Moskva, Medgiz. Vol.1. [Communal hygiene] Kommunal'naiia gigiena. Red.V.A.Riazanov. 1961. 707 p.

(MIRA 15:1)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Galanin, Cherkinskiy). 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Krotkov).

(CLIMATOLOGY, MEDICAL) (AIR—POLLUTION)
(CITY PLANNING—HYGIENIC ASPECTS)

RYAZANOV, V.A., prof.

Results of research on maximum permissible concentrations of
atmospheric pollution during 1958-59. Pred. dop. kontsent.
atmosf. zagr. no.5:5-26 '61. (MIRA 15:3)
(AIR---POLLUTION)

RYAZANOV, V.A., prof.

Criteria for evaluating the effect of small concentrations of polluted air on the body. Gig. i san. 26 no.6:3-8 Je '61. (MIRA 15:5)

1. Iz Tsentral'nogo instituta usovershenstvovaniya vrachey.
(AIR--POLLUTION)

RYAZANOV, V.A., prof.; BUSHTUZEVA, K.A., dotsent; DVIZHKOV, P.P., prof.

Production of pulmonary cancer in rats by means of intratracheal
administration of 3,4-benzopyrene. Gig. i san. 26 no.10:3-6 0'61.
(MIRA 15:5)

1. Iz kafedry kommunal'noy gigiyeny Tsentral'nogo instituta usovershen-
stvovaniya vrachey i patologoanatomicheskoy laboratorii Instituta
gigiyeny truda i professional'nykh zabolevaniy AMN SSSR.
(BENZOPYRENE) (LUNGS--CANCER)

RYAZANOV, V.A., prof.

"Pollution of the atmospheric air by a cancerogenic substance, 3,4-benzopyrene" by L.M:Shabad, P.P.Dikun. Reviewed by V.A.Riazanov.
Gig. i san. 26 no.10:92-93 0 '61. (MIRA 15:5)
(BENZOPYRENE) (AIR-POLLUTION) (SHABAD, L.M.)
(DIKUN, P.P.)

BELYAYEV, I.I., prof.; BLOKH, S.S., kand. med. nauk; GABOVICH, R.D.,
prof.; GORBOV, V.A., dots.; ZHABOTINSKIY, V.M., prof.;
ZASLAVSKAYA, R.M., kand. med. nauk; KIBAL'CHICH, I.A., kand.
med. nauk; KROTKOV, F.G., prof.; MOGILEVSKIY, Ya.A., kand. med.
nauk[deceased]; TRAKHTMAN, N.N., dots.; CHERKINSKIY, S.N., prof.;
GOROMOSOV, M.S., doktor med. nauk, red.; RYAZANOV, V.A., prof.,
red.; BUSHUYEVA, K.A., dots., red.; SELESKIRIDI, I.G., dots.,
red.; OSTROVERKHOV, G.Ye., prof., glav. red.; PETROVA, N.K.,
tekhn. red.

[Manual on communal hygiene]Rukovodstvo po kommunal'noi gigiene.
Moskva, Medgiz. Vol.2. 1962. 763 p. (MIRA 15:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Krotkov). 2. Chlen-korrespondent Akademii meditsinskikh nauk
SSSR (for Cherkinskiy, Ryazanov).
(SOIL DISINFECTION) (WATER SUPPLY)

RYAZANOV, V.A., prof.

On N.M. Tomson's article entitled "Reply to K.G. Beriushev".
Biul. Uch.med. sov. 3 no.2:44 Mr-Apr '62. (MIRA 15:4)

1. Chlen-korrespondent AMN SSSR.
(AIR--POLLUTION)

RYAZANOV, V.A., prof.

Urban redevelopment. Zdorov'e 8 no.1:3-4 Ja '62. (MIRA 15:3)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR.
(CITY PLANNING)

RYAZANOV, V.A., prof.

Recent data on maximum permissible concentrations of atmospheric
contaminations. Pred.dop.kontsent.atmosf.zagr. no.6:3-15 '62.

(MIRA 15:9)

1. Predsedatel' Komiteta po sanitarnoy okhrane atmosfernogo
vozdukha pri Glavnoy gosudarstvennoy sanitarnoy inspeksii SSSR.
(AIR--POLLUTION)

RYAZANOV, V.A., prof.

Results of studies conducted in 1961 on the maximum allowable
concentrations of air contaminants. Pred. dop. kont. atmosf.
zagr. no.7:5-10'63. (MIRA 16:10)

(AIR — POLLUTION)

RYAZANOV, V.A., prof., red.; NOVIKOV, Yu.V., red.; BOLDINA, N.F.,
tekhn. red.

[Limit of allowable concentration of atmospheric contaminants]
Predel'no dopustimye kontsentratsii atmosferykh zagriaznenii.
Moskva, Medgiz, No.7. 1963. 124 p. (MIRA 16:6)

1. Chlen-korrespondent AMN SSSR (for Ryazanov).
(AIR--POLLUTION)

ALEKSEYEVA, Mariya Vasil'yevna; RYAZANOV, V.A., prof., red.;
GUSEV, I.S., red.; PETROVA, N.K., tekhn. red.

[Determination of atmospheric pollutions] Opređenje at-
mosfernykh zagriaznenii. Pod red. V.A. Riazanova. Izd. 2.,
perer. i dop. Moskva, Medgiz, 1963. 255 p. (MIRA 16:5)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Ryazanov).

(AIR—POLLUTION)

GOROMOSOV, M.S., red.; GROMBAKH, S.M., red.; ZHDANOV, V.M., red.;
POKROVSKIY, A.A., red.; KROTKOV, F.G., red.; LETAVET, A.A.,
red.; LITVINOV, N.N., red.; RYAZANOV, V.A., red.; URAZAYEV,
N.M., red.; CHERKINSKIY, S.N., red.; KHAMIDULLIN, R.S., red.

[Transactions of the 14th All-Union Congress of Hygienists
and Public Health Physicians] Trudy Vsesoiuznogo z"yezda
gigienistov i sanitarnykh vrachei, 14. Moskva, Medgiz,
1963. 322 p. (MIRA 18:2)

1. Vsesoyuznyy s"yezd gigiyenistov i sanitarnykh vrachey.
14th. 2. Glavnyy uchenyy sekretar' AMN SSSR (for Zhdanov).

RYAZANOV, V.A., prof., doktor med.nauk

Criteria and methods substantiating maximal permissible atmospheric pollution in the U.S.S.R. Pred.dop.kontsent.atmosf.zagr. no.8:5-21 '64. (MIRA 18:4)

1. Chlen-korrespondent AMN SSSR.

RYAZANOV, Vladimir Aleksandrovich; NIKOLAYEV, V.R., red.

[Atmosphere of our cities] Atmosfera nashikh gorodov.
Moskva, Znanie, 1965. 30 p. (Novoe v zhizni, nauke,
tekhnike. VIII Seriya: Biologiya, no.13)

(MIRA 18:7)

1. Deystvitel'nyy chlen AMN SSSR (for Ryazanov).

DELYAGIN, N.N.; RYAZANOV, V.L., inzh., nauchn. red.; SMIRNOVA,
A.P., red.

[Purification of phenolic waste waters; operational
practices] Ochistka fenol'nykh stochnykh vod; iz opyta
ekspluatatsii. Moskva, Stroiizdat, 1965. 90 p.
(MIRA 18:3)

KARLLIN, Ya.A., doktor tekhn. nauk; RYAZANOV, V.L., inzh.

Horizontal settling tank with vertical water flow. Vod. i san.
tekhn. no.12:35-36 D '63 (MIRA 18:2)

GURIYEV, A.Ye.; RYAZANOV, V.P.

Magnetite balance in lead smelteries. Izv. vys. ucheb. zav.; tsvet.
met. 3 no.4:52-57 '60. (MIRA 13:9)

1. Severokavkazskiy gornometallurgicheskiy institut. Kafedra metal-
lurgii tyazhelykh metallov. (Lead--Metallurgy) (Magnetite)

BARSHAY, Semen Yefimovich; RYAZANOV, V.P., dotsent, red.; VASIL'YEVA,
V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Adjustment of type figures in triangulation by the use of
formulas] Uravnoveshivanie tipovykh figur triangulatsii po
gotovym formulam. Moskva, Izd-vo geod.lit-ry, 1960. 150 p.
(Triangulation) (MIRA 13:7)

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S/035/60/000/006/038/038
ACC1/ACC1

3.4000

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 6,
p. 124, # 5743AUTHOR: Ryazanov, V. P.TITLE: On the Calculation of the Number of Condition Equations in
Restricted Triangulation Networks ✓

PERIODICAL: Tr. Mosk. in-ta inzh. zemleustroystva, 1959, No. 3, pp. 87-90

TEXT: The following formulas are proposed for determination of the number
of condition equations in restricted triangulation networks at all stations of
which (permanent and being determined) angular measurements have been carried
out; for the calculation of the total number S of condition equations:

$$S = N - 2k + A' + B' \quad (\text{in adjustment by angles})$$

$$S_d = D - 2k - n + A' + B' \quad (\text{in adjustment by directions});$$

for the calculation of the number of condition equations of shapes f, sides e and
horizon q

$$f = 1 - n + 1, \quad e = p - 2n + 3, \quad q = q'$$

$$S' = f + e + q = N - 2n + 4,$$

Card 1/2

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S/035/60/000/C06/038/C38
A001/A001

On the Calculation of the Number of Condition Equations in Restricted Triangulation Networks

$$S'_d = f + c = D - 3n + 4;$$

for the calculation of the condition equations of directional angles a, bases b, and coordinates 0

$$a = u - r + t + A' - 1, \quad b = u - r - t + B' - 1, \quad 0 = 2(r - 1),$$
$$S'' = a + b + 0 = 2(u - 2) + A' + B'.$$

The following designations are adopted in the formulae: n is the number of all stations, k is the number of stations being determined; N is the number of angles measured; D is the number of directions measured; A' are azimuths measured; B' are bases measured; l is the number of lines with two-side observations; P is the number of all lines; q' is the number of stations at which the angles measured close the traverse; u are permanent stations; t is the number of closed permanent transverses. A numerical example is presented. There are 5 references.

A. I. Fikhman

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

L 03004-67 EWT(1) GW/WS-2
 ACC NR: AP6033291

SOURCE CODE: UR/0141/66/009/005/1030/1032

AUTHOR: Alekseyev, V. A.; Krotikov, V. D.; Matveyev, Yu. G.; Mikhaylova, N. B.;
 Porfir'yev, V. A.; Ryazanov, V. P.; Sergeyeva, A. I.; Strezhneva, K. M.; Troitskiy,
 V. S.; Shmulevich, S. A.

ORG: Scientific Research Institute of Radiophysics, Gor'kiy University (Nauchno-
 issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete)

TITLE: Results of measurements of lunar radio emissions at wavelengths of 7.93,
 11.0, 14.2, and 20.8 cm

SOURCE: IVUZ. Radiofizika, v. 9, no. 5, 1966, 1030-1032

TOPIC TAGS: radio astronomy, parabolic antenna, ^{LUNAR}radio emission, LUNAR ENVIRONMENT

ABSTRACT: The mean effective temperature of the moon was measured in 1964-1965 at Zimenki Station on the 7.93, 11.0, 14.2, and 20.8 cm wavelengths. The basic measuring equipment included a radio telescope antenna 4 m in diameter and two receivers operating on wavelengths of 7.5-15 cm and 15-30 cm. The fluctuation sensitivity threshold of the receiving equipment was from 0.4° to 0.7° at a time constant of 16 sec. The radio emission of the moon was compared with the reference emission of a disk (diameter, 380 cm) coated with absorbing material. The disk was placed in the Fraunhofer region, 230 m from the telescope aperture. The results of measurements of the phase dependence of the moon's effective temperature are shown

Card 1/3

UDC: 523.164.34

ACC NR: AP6033291

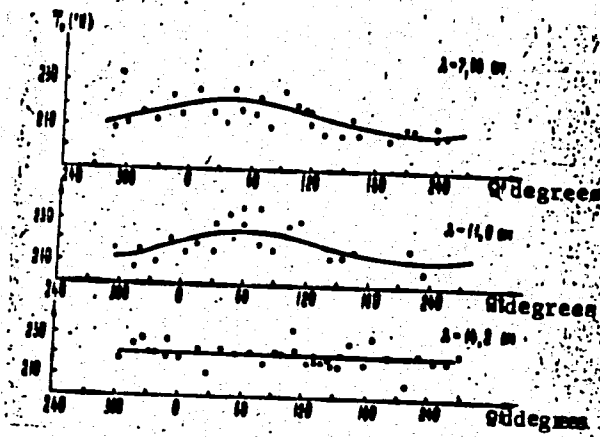


Fig. 1. Phase dependence of the mean effective temperature of the moon

in Fig. 1. A small change in the mean effective temperature as a function of the lunar phase was noted on the 7.93 cm and 11 cm wavelengths. The rms dispersion of the experimental points in regard to the approximated curves is $\pm 3^\circ$. The variable portion of lunar radio emission should theoretically be 3.5—4K for the 14.2-cm wavelength. Since the rms dispersion of experimental points approximately equals this value,

Card 2/3

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ACC NR: AP6033291

Fig. 1. shows only the value of the constant component of the mean effective temperature which was 221K. Measurements on the 20.8-cm wavelength were conducted during the partial phase cycle. The constant component of the mean effective temperature for this wavelength was 225K. Error did not exceed $\pm 0.5\%$. Orig. art. has: 1 formula, 1 table, and 1 figure.

SUB CODE: 03/ SUBM DATE: 25Feb66/ ORIG REF: 003/ ATD PRESS: 5099

AWM
Card 3/3

RYAZANOV, V.P.

Estimating the accuracy of the elements of some control triangulation systems in simplified adjustment (with separate solution of conditional equations by groups). Trudy MIIZ no.10:35-58 '60.
(MIRA 16:12)

RYAZANOV, V.P., kandidat tekhnicheskikh nauk.

Evaluating the accuracy of chains of triangulation from overlapping
central systems. Sbor.st.po geod. no.3:9-37 '53. (MLRA 9:6)
(Triangulation)

RYAZANOV, V. P.,

"Computation of the Number of Equations in Non-free Triangulation Nets."

Report presented at the Regular Scientific Conf. on Soil Sci., Geodesy and
Aerophotogeodesy, at the MIIZ (Moscow Inst. for Soil Sci. Engineering.)
23-31 Jan 1958.

RYAZANOV, V.P.

3(4)

PHASE I BOOK EXPLOITATION SOV/2842

Mikhnevich, Grigoriy Vasil'yevich, Viktor Pavlovich Ryazanov, and Aleksandra Dmitriyevna Sibiryakova

Geodeziya, ch. 2 (Geodesy, Pt. 2) Moscow, Geodezizdat, 1959. 334 p.
Errata slip inserted. 6,000 copies printed.

Ed. (Title page): A.V. Maslov, Doctor of Technical Sciences, Professor;
Ed. (Inside book): A.I. Vitman; Ed. of Publishing House: A.I. Shurygina;
Tech. Ed.: V.V. Romanova.

PURPOSE: This book is intended for geodesists, land surveyors, and agricultural engineers.

COVERAGE: This book is the second of two volumes on problems in surveying and geodesy as related to agriculture. Volume II refers to problems of basic geodetic control for topographic and land use purposes. The first part of the text covers the principles of surveying instruments, telescopes, verniers, and other fundamentals. The body of the text includes complete coverage of the fundamental principles and field procedures in establishing horizontal and vertical control

Card ~~1/9~~

SOV/137-59-1-438

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 55 (USSR)

AUTHORS: Guriyev, A. Ye., Dzliyev, I. I., Ryazanov, V. P.

TITLE: Certain Peculiarities of Moist Mixing and Pelletizing of Lead Charges
(Nekotoryye osobennosti vlazhnogo smeshvaniya i okatyvaniya
svintsovykh shikht)

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Tsvetn. metallurgiya, 1958, Nr 1,
pp 66-72

ABSTRACT: A presentation of the results of an investigation (carried out on a small scale under shop conditions at the "Elektrotsink" plant) of procedures employed in preparing a lead smelting charge for sintering and involving preliminary moist mixing and pelletizing of the charge in a bowl-shaped granulator 1 m in diameter. The investigation also dealt with the effect of the conditions of granulation of a charge on the efficiency of the sintering operation. It was found that drying of charge is not only unnecessary, but that water in a quantity $>2\%$ must be added during mixing, avoiding, however, an excessively moist charge. Best granulation results were obtained when the charge particles were -6mm in size and the bowl rotated at a speed

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SOV/137-59-1-438

Certain Peculiarities of Moist Mixing and Pelletizing of Lead Charges

of 13 rpm about an axis inclined at an angle of 45° . The strongest granules produced under these conditions ranged from +3.5 to -8 mm in size, which increased the productivity of the sintering machine by 35% and the efficiency of desulfurization in the process by 20%. An increase in the size of granules increases the productivity of the sintering process but impairs the heat-resistant properties of the granules and lowers the degree of desulfurization.

B. L.

Card 2/2

RYAZANOV, V.P ; GURIYEV, A. Ye.

Effect of the composition of lead charge mixtures on their
pelletizing. Izv. vys. ucheb. zav.; tsvet. met. 7 no. 4z
82-87 '64 (MIRA 19:1)

1. Severokavkazskiy gornometallurgicheskiy institut, kafedra
metallurgii tyazhelykh tsvetnykh metallov.

GURIYEV, A.Ye.; DZLIYEV, I.I.; RIAZANOV, V.P.

Certain peculiarities of wet mixing and pelletizing the lead charge. Izv. vys. ucheb. zav.; tsvet. met. no.1:66-72 '58.

(MIRA 11:6)

1. Severokavkazskiy gornometallurgicheskiy institut. Kafedra metallurgii tyazhelykh tsvetnykh metallov.

(Lead—Metallurgy)

MIKHNEVICH, Grigoriy Vasil'yevich, dots.; RYAZANOV, Viktor Pavlovich, dots.; SIBIRYAKOVA, Aleksandra Dmitriyevna, dots. Primali uchastiye: BATRAKOV, Yu.G., dots.; VITMAN, A.I., dots.; YUNOSHEV, L.S., aspirant; KORBOCHKIN, M.I., assistant; NEKHOROSHEV, M.Ye., retsenzent; BOGOLYUBOVA, N.S., retsenzent; NIKOLENKO, N.F., retsenzent; CHERNUKHIN, L.S., retsenzent; NESHCHADIMOV, L.S., retsenzent; LARCHENKO, Ye.G., prof., red.

[Surveying] Geodeziia. Moskva, Nedra. Pt.2., 1964. 338 p.
(MIRA 17:12)

1. Zamestitel' nachal'nika Upravleniya sel'skokhozyaystvennykh aerofotos'yemok (for Nekhoroshev). 2. Kafedra vysshey geodezii Omskogo sel'skokhozyaystvennogo instituta (for Bogolyubova, Nikolenko, Chernukhin, Neshchadimov).