DNITRIYEV, A.S.

Characteristics of the formation of conditioned response to time in pigeons. Hauch. dokl. vys. shkoly; biol. nauki no.3:91-96 '60.
(MIRA 13:8)

1. Rekomendovana kafedroy fiziologii cheloveka i shivotnykh Banhkirskogo gosudarstvennogo universiteta. (CONDITIONED RESPONSE)

DMITRIYEV, A.S.; SHIKHOVA, R.Ye.

Conditioned reflex changes in human pressure in response to temporary stimulus of muscular work. Nauch. dokl. vys. shkoly; biol. nauki no.2:93-97 '61. (MIRA 14:5)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Bashkirskogo gosudarstvennogo universiteta im. 40-letiya Oktyabrya.

(BLOOD PRESSURE) (CONDITIONED HESPONSE)

DMITRIYEV, A.S.; TUSHNOVA, T.V.; SHIKHOVA, R.Ya.

Conditioned reflexes to time in children of different school age. Nauch. dokl. vys. shkoly; biol. nauki no.4:77-84 '61.

(MIRA 14:11)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Bashkirskogo gosudarstvennogo universiteta.
(CONDITIONED RESPONSE) (TIME PERCEPTION)
(CHILD STUDY)

DMITHIYEV, A.S.

Motor method in verbal reinforcement. Vop.psikhol. 7 no.3:70-80 (MIRA 14:6) My-Je '61.

l. Bashkirskiy universitet, kafedra fiziologii cheloveca i zhivotnykh.

(Conditioned response)

DMITRIYEV, A.S., SEMENOV, V.N.

Age-related characteristics of conditioned reflexes to time. Zhur. v/s. nerv. deiat. 11 no.4:723-729 J1-Ag '61. (MIRA 15:2)

1. Chair of Human and Animal Physiology, Bashkirian University, Ufa. (CONDITIONED RESPONSE)

DMITRIYET, A.S.

Character of the interrelationship between signaling systems in stabool children. Zhur. vys. nerv. deiat. 11 no.6:969-978 N-D '61. (MIRA 15:3)

1. Chair of Human and Animal Physiology, Bashkir University, Ufa.

(CONDITIONED RESPONSE)

DMITRIYEV, A.S.; TUSHNOVA, T.V.; SHIKHOVA, R.Ya.

Conditioned relfexes to time established by the prevalent participation of the second signal system. Nauch. dokl. vys. shkoly; biol. nauki no.3:78-82 '63. (MIRA 16:9)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Bashkirskogo gosudarstvennogo universiteta im. 40-letiya Oktyabrya. (CONDITIONED REPONSE) (CHILD STUDY)

ACCESSION NR: AT4042677 S/0000/63/000/000/0169/0172

AUTHOR: Dmitriyev, A. S.; Burko, Ye. V.

TITLE: Vestibular influence on smooth musculature and vessels of the small intestine following resection of the spinal cord, vagus, cervical sympathetic and splanchnic nerves

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963. Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy* konferentsii. Moscow, 1963, 196-172

TOPIC TAGS: vestibular apparatus, intestinal function, rotation effect, acceleration, dog, vestibular effect

ABSTRACT: The investigation was designed to determine how the vestibular apparatus influences smooth muscle and vascular complexes of the small intestine in dogs subjected to rotational forces and to observe the effects of resecting the spinal cord and some vegetative nerves. The dogs were

Card 1/2

ACCESSION NR: AT4042677

anesthetized with morphine and ether and were subjected to moderate accelerations. Intestinal motor activity was registered on an oscillograph. Resection of the spinal cord and the vagus, cervical sympathetic, and splanchnic nerves changed the character of intestinal motor activity but did not eliminate the effects of acceleration. Removal of both labyrinths, however, eliminated intestinal motility during accelerations. The authors conclude that the reaction of intestinal smooth muscle to moderate acceleration has a vestibular origin and is accomplished by means of nerve mechanisms in the brain stem. The vestibular reaction is therefore a nervous and humoral mechanism.

ASSOCIATION: none

SUBMITTED: 27Sep63 ENCL: 00 SUB CODE: LS

NO REF SOV: 000 OTHER: 000

Card 2/2

DMITHIYEV, Aleksandr Semenovich; CHERKASOVA, V.I., red.

[Physiology of higher nervous activity] Fiziologiia vysshei nervnoi deiatel'nosti. Moskva, Vysshaia shkola, 1964. 465 p. (MIRA 17:9)

DMITRIYEV A.S., CZHIGOVA, A.P., TUSHNOVA, T.V.

Problem of the sifect of the school day on time perception. Zhur, vys. nerv. deist. 14 nc.3:417-426 My-Je 164.

(MTRA 17:11)

1. Chair of Human and Animal Physiology, Bashkir University, Wfa

DIGITALYEV, A.S.

• • •

Analysis of the formation of conditioned response to time. Where vys. nerv. deist. 14 nc. 48618-625 Jl-Ag 164. (MIRA 17:12)

1. Chair of Human and Animal Physiology, Bashkir University, Ufa.

ACCESSION NR: AP4035363

8/0221/64/057/002/0245/0268

AUTHOR: Dmitriyev, A. S. (Ufa)

TITLE: The physiological basis of human time perception

SOURCE: Uspekhi sovremennoy biologii, v. 57, no. 2, 1964, 245-268

TOPIC TAGS: time perception, conditioned reflex development, cortex, first signal system, second signal system, motor conditioned reflex, exteroreceptive excitation, proprioceptive excitation

ABSTRACT: The present study surveys the development of conditioned reflexes to time, representing the physiological basis of time perception. From the earliest stages of infancy, conditioned reflexes start to form as a superstructure over the basic system of innate automatic and self-regulatory cyclic processes responsible for the periodicity of vegetative functions. As a child develops, various types of motor conditioned reflexes related to work activity are added. In childhood when the second signal system has not yet developed, the conditioned reflex formation process appears comparable to that of animals. At this stage the motor conditioned reflex produced by an external stimulus represents a synthesis of exterorectord 1/3

ACCESSION NR: AP4035363

eptive cortical excitation and of proprioceptive cortical excitation, which form a "single functional combination center." Rhythmic repetition of a given stimulus produces a reaction coinciding with a certain level of excitation associated with a certain time. Eventually a conditioned stimulus produces an associated reaction, thus forming a conditioned reflex to time. With the development of a second signal system when a spoken word may act as a stimulus, a "second functional combination center" is added to the first. From the age of 12 to 13 years, conditioned reflexes to time appear to be expressed almost entirely through the second signal system which independently reproduces the rhythmic movements of the extremities, head, body, or speech apparatus (counting out loud or to one's self). Mental counting together with voluntary rhythmic movements is often used as a supplementary method in developing new conditioned reflexes. These reflexes are formed much faster with development of the second signal system as observed in older children and adults. Psychophysiological research is needed to test the general theories of time perception and to gain a better understanding of its physiological mechanism. Orig. art. has: 5 figures.

Card 2/3

ACCESSION NR: AP4035363

ASSOCIATION: None

SUBMITTED: 00

ENGL: 00 SUB CODE: LS

NR REF SOV: 052 OTHER: 063

BULYGIN, I.A., otv. red.; GOLUB, D.M., red.; DMITRIYEV, A.S., red.

[Afferent link of the interoceptive reflexes] Afferentnoe zveno interotseptivnykh refleksov. Minsk, Nauka i tekhnika, 1964. 221 p. (MIRA 18:3)

1. Akademiya navuk BSSR, Minsk. Instytut fizialogii.

AH5001440	BOOK EXPLOITATION	IR/ 17
Dmitriyev, Alek	sandr Semenovich	
Physiology of l Moscow, Izd- copies print	digher nervous activity (Fiziologiya v vo "Vysshaya shkola", 1964. 465 p. ill ed.	ysshey nervnoy deystel nosti lus., biblio., index. 6500
TOPIC TAGS: hi	man physiology, animal physiology, autotex, reflex activity, central nervous	onomic nervous system, system, neurology
and research presents in nervous act activity and book analyz	VERAGE: A textbook for students who wind in physiology of higher nervous activated detail the methods used in investigation in the major research trends are described the human higher nervous activity. Sublems during mental and physical work	on of human and animal higher logy of higher nervous ed. Five chapters of the specially the higher nervous
TABLE OF CONTE	NTS (abridged):	

L 2910-66 AM5001440 Introduction -- 5 Ch. 1. A.P. Pavlov - the founder of science on higher nervous activity - 13 Investigation methods of animal higher nervous activity - 31 Mechanism of conditional reflex formation -- 92 Ch. 3. Inhibition of reflexes in cortex of large cerebral hemispheres - 123 Ch. 4. The movement and interaction of stimulation and inhibition processes Ch. 5. in cortex of large cerebral hemispheres - 151 Characteristics of various conditional reflexes - 170 Ch. 6. Ch. 7. Analytic and synthetic function of cerebral cortex - 208 Comparative physiology of higher nervous activity - 230 Ch. 8. Ch. 9. Specific peculiarities of human higher nervous activity -- 249 Ch. 10. Investigation methods of human higher nervous activity -- 271 Ch. 11. Formation peculiarities of human conditional reflexes and development of cortical inhibitions - 311 Interaction and continuity functions of first and second signal Ch. 12. system -- 341 Higher nervous activity types - 361 Ch. 13. Higher nervous activity during the work - 381 Ch. 14. Ch. 15. Sleep and hypnosis - 402 Card 2/3'

I. 2910-66

AM5001440

Ch. 16. Changes in higher nervous activity under the influence of various factors in the organism internal and external media

Recommended bibliography — 453

Subject index — 459

SUB CODE: LS SUBMITTED: 29May64

NO REF SOV: 094

OTHER: 001

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410520001-8

A CONTRACTOR OF THE PROPERTY O SOURCE CODE: UR/0000/66/000/000/0153/0154 ACC NR. AT6036551 AUTHOR: Dmitriyev, A. S.; Burko, Ye. V. TITIE: Electrophysiological analysis of the role of the phrenic nerves in the mechanism of the vestibular reaction of the ileum [Paper presented at the Conference ORG: none on Problems of Space Medicine held in Moscow from 24 to 27 May 1966] SCURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 153-154 TOPIC TAGS: biologic acceleration effect, vestibular analyzer, coriolis acceleration, digestive system, biologic secretion, labyrinthectomy ABSTRACT: The authors earlier established that rotational stress (1.7 and 1.25 G), causes shifts in the frequency characteristics of the bioelectrical activity of the intact phrenic nerve characterized by increased impulse amplitude in dogs under morphine-chloroform-ether narcosis in an acute experiment. As a rule, intensified phrenic nerve impulses caused by rotation are concurrent with a depression in the motor activity of the ileum. In most cases (76%), this depression is almost entirely eliminated when both phrenic nerves are cut at the level of the neck. to the control of the

ACC NR: AT6036551

In animals with intact labyrinths, relatively low stress (1.07 G) caused an intensification of impulsation in the central segment of the phrenic nerve during rotational and postrotational periods but did not cause substantial shifts in the bioelectricity of its peripheral segment. At a somewhat higher value (1.25 G) these shifts were more pronounced and statistically reliable. In labyrinthectomized animals, no statistically reliable shifts were observed in the bioelectrical activity of both central and peripheral segments of the phrenic nerve.

An analysis of the data indicates the vestibular nature of rotational and postrotational shifts in phrenic bioelectricity and also implies that these nerves play a significant role in the efferent pathway complex, which is responsible for a vestibular influence on ileum motor activity at relatively low rotational stresses. At higher rotational stresses (greater than 1.3 G), extralabyrinthine systems participate in these reactions. [W.A. No. 22; AID Report 66-116]

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c = 12

ACC NR: AT6036552

SOURCE CODE: UR/0000/66/000/000/0154/0155

AUTHOR: Dmitriyev, A. S.; Pushkarchuk, A. A.

ORG: none

TITIE: The problem of the neurohumoral mechanism of vestibular effects on the motor function of the ileum [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 154-155

TOPIC TAGS: biologic acceleration effect, coriolis acceleration, digestive system, biologic secretion, vestibular analyzer, blood chemistry

ABSTRACT: The authors have established that rotation of animals with intact nervous systems causes a statistically reliable increase in blood adrenalin content, which is accompanied by a simultaneous depression of the motor activity of the ileum. At higher rotational values (from 1.16 to 1.6 G) a greater incidence of motor depression of the ileum and a more pronounced shift in adrenalin content is observed; a statistically reliable increase in blood norepinephrin is noted only at 1.6 G.

At 1.16 G, animals with intact labyrinths and several splanchnic nerves

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ACC NR. AT6036552

showed a 30% decrease in the incidence of inhibitory reactions of the ileum; at 1.6 G, there was a 6% decrease compared to animals with intact splanchnic nerves. Both rotational parameters led to a statistically reliable increase in blood norepinephrin but did not substantially affect adrenalin content.

Rotational stress (1.16 and 1.6 G) caused a noticeable increase in blood norepinephrin content in labyrinthectomized animals with intact splanchnic nerves and an unconfirmable change in adrenalin content. Here, the nature of ileum motor activity at 1.16 G was almost equivalent to control activity. At 1.6 G a normal inhibitory reaction of the ileum was noted.

Based on these data, it was concluded that humoral shifts occurring in the blood of animals and reactions of the ileum to 1.16 G are of vestibular nature. At a greater value (1.6 G), extra-labyrinthine systems play a substantial role. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: OCMay66

Card 2/2

SMIGNOV, Dwite, y Nikoluyevi, hy LMIRRITEV, Aleksey Sergeyevich; ome omnova, M.A., red.

[Satomatic dispensing of reagents in the processing of industrial wastes and in water preparation] Aviomatic checkee dozirovanie reagentov pri obrabotke stochnykh vod i vodopodgotovke. Moskva, Stroiladat, 1965. 222 r. (MIRA 1885)

DMITRIYEV, Anatoliy Vasil'yevich; FIRSTOV, A.N., kand.tekhn.nauk, retsenzent; ONISHCHENKO, N.P., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Guide for workers in foundry chipping and cleaning departments]
Pamiatka dlia rabochikh obrubnykh i ochistnykh otdelenii liteinykh
tsekhov. Moskva, Gos.nauchne-tekhn.izd-vo mashinostroit.lit-ry,
1960. 50 p.

(MIRA 14:3)
(Foundries--Safety measures)

COUNTRY : USSR M-4 CATEGORY :

ASS. JOUR. : RZBiol., No./9 1959, No. 87001

1957, No 2-3, 17-19

AUTHOR : Krutyy, R.S.; Fiven', N.I.; Dmitriyev, A.V.

INST. : L'vov Institute of Commerce Economics

TITLE : Variability of Chemical Composition of Wheat Grain Within the Same Ear.

ORIG. PUB.: Zap. nauchn. stud. o-vs L'vovsk. torgovoekonom. in-t, 1957, No 1, 48-51 ABSTRACT: A study was made of variations in weight

ABSTRACT: A study was made of variations in weight of wheat grains, and in their contents of moisture, ash, and crude protein, within the same ear. Grains in the middle part of the ear have the highest weight, those in the top part -- the lowest. Differences within the same ear were also observed in the other indices, but these differences vary in the different varieties.

CARD: # Bunik, O.D.; Stadnik, Ye.I.

DMITRIYEV, Anatoliy Vasil vevich; YEKTOV, I.M., inzhener, retsenzent;
SURGE, M.S., redaktor izdatel stva; LUKHOTA, M.A., tekhnicheskiy
redaktor

[Safety manual for founders, smelters and steel workers] Pamiatka po tekhnike bezopasnosti dlia zaval'shchikov, plavil'shchikov i stalevarov. Kiev, Gos. nauchno-tekhn. isd-vo mashinostroit. lit-ry, 1956. 63 p.

(Founding--Safety measures)

mitalyEV, A.V

AUTHORS:

Dmitriyev, A.V., Ionov, V.A.

132-58-4-8/17

TITLE:

Automated Reduction in Gamma-Ray Aerial Survey (Automatizatsiya privedeniya pri aerogrammas yemke)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 4, pp 51-36 (USSR)

ABSTRACT:

In gamma-ray aerial surveys, the intensity of the gamma radiation decreases sharply when the gamma rays pass through the atmospheric layers. Therefore, it is necessary to take into consideration the height at which the aerial survey is carried out. Up until now, the registration of the height and of the gamma radiation have been conducted separately, and only by joint laboratory processing could the reduction of the field be ascertained. The introduction of 2 devices, which can be easily installed in existing radiometers, is proposed: an automatic height corrector, by which the variation of the intensity of gamma radiation at varying heights can be calculated by the King Function, and a device for the automated reduction of the field. These devices will increase the effectiveness of aerial surveying and eliminate complicated laboratory calculations and

Card 1/2

adjustments.

Automated Reduction in Gamma-Ray Aerial Survey 132-58-4-8/17

There are 3 graphs.

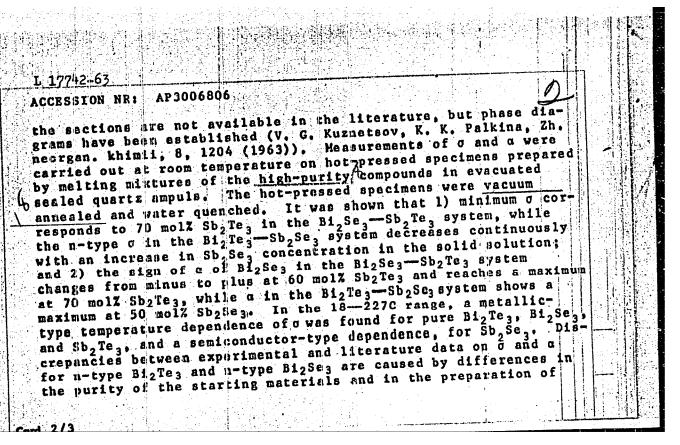
ASSOCIATION: Institut prikladnov geofiziki AN SSSR (Institute of Applied

Geophysics AS USSR)

AVAILABLE: Library of Congress

Card 2/2 1. Gamma rays-Measurement 2. Radiometers-Applications

1, 17742-63	EWP(4)/EWT(m)/BDS	AFFTC/ASD RD 8/0078/63/008/	W/JD 1009/2136/21	39/2
ACCESSION NE:	AP3006800			
AUTHOR: Kuznet	sov, V. G.; Palkina,	K. K.; Dmitri	and Contract of the Contract o	160
TITLE: Electri	cal conductivity and e-antimony selluride actuals	thermoelectricand bismuth to	c power of t elluride-ant 27	-/
2139	l neorganicheskoy khi			3. 新二烯基基酚 (1.11) (1.11) (1.11)
bismuth selenic selenide, solic power, metallic hismuth selenic antimony seleni	ntimony bismuth seleni de, antimony telluride d solution, electrical c type conductivity, de de antimony telluride ide system	l conductivity semiconductor system, bismu	type conduction telluride	lvity
ABSTRACT: Var	iations in electrical (a) with solid-solut-Sb ₂ Te ₃ and Bi ₂ Te ₃ —Senting the Sb _x Bi _{2-x} Te ₃		of the comp	081 C1 OU
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AN SSSR SUBMITT		DATE ACQ	: 30Sep63	ENCL:	00
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KUZNETSOV, V.G.; PALKINA, K.K.; DMITRIYEV, A.V.

Electric conductivity and thermoelectromotive force of solid solutions in the systems Ei2Se3 - Sb2Te3 and Bi2Te3 - Sb2Se3. Zhur.neorg.khim. 8 no.9:2136-2139 S '63. (MIRA 16:10)

1. Institute obshchey i neorganicheskoy khimii imeni N.S.Kurnakova AN SSSR.

ACCESSION NR: AT4017564

s/3074/62/000/047/0370/0387

AUTHOR: Dmitriyev, A. V. (Candidate of technical sciences, Docent)

TITLE: Theory of gas discharge in the presence of a dielectric barrier

SOURCE: Leningrad. Elektrotekhnicheskiy institut. Izv., no. 47, 1962, 370-387

TOPIC TAGS: gas discharge, discharge in cavity, resonator discharge, dielectric resonator discharge, image method, equivalent circuit method, discharge gap, slot reactor, high voltage discharge phenomena

ABSTRACT: The article deals with the processes occurring in a gasfilled cavity in which one or two walls are lined with a solid dielectric, a theory is developed for the gas discharge at commercial frequency or higher, at a cavity width from a fraction to several

Card 1/3

ACCESSION NR: AT4017564

millimeters, and at atmospheric pressure, on the basis of the cathode voltage drop of a gas discharge in a cavity surrounded by a dielectric or bounded by a dielectric and a conductor. Existing analysis methods cannot be applied to such a gap since the effective value of the current is not a specific characteristic of the discharge, and different forms of the discharge can correspond to the same value of the current. The effect of a dielectric barrier on the discharge in the cavity is analyzed theoretically by the image method and by the equivalent-circuit method. It is shown that the phenomena occurring under these conditions resemble a glow discharge. Practical applications of the theory are discussed in connection with high-voltage equipment, where a discharge is harmful, and with electrochemistry, where discharge in narrow gaps is used to produce active complexes (slot reactor). It is also shown that the most effective method to study the discharges in narrow cavities or gas inclusions of different shapes is to display cyclic plots of the charge as a function of the voltage or of the current

Card 2/3

ACCESSION NR: AT4017564

as a function of the voltage. Orig. art. has: 6 figures and 22 formulas.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut (Leningrad Electrotechnical Institute)

SUBMITTED: 00Dec61 DATE ACQ: 20Mar64 ENCL: 00

SUB CODE: PH, EE

3/3

NR REF SOV: 006

004

DMITRIYEV, A.V.

Studying a discharge in a narrow cavity bounded on one or both sides by a dielectric. Zhur. tekh. fiz. 33 no.9:1104-1115 S '63. (MIRA 16:11)

1. Leningradskiy elektrotekhnicheskiy institut imeni. V.I. Ul'yanova (Lenina).

1. :25754-65

ACCESSION NR AP5002048

5/0142/64/007/005/0640/0643

AUTHOR: Dmitriyev, A. V

TITLE: Approximating the current-voltage characteristics of turnel diodes

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 5, 1964, 640-643

TOPIC TAGS: turnel diode current voltage characteristic

ABSTRACT: A formula for the negative resistance ρ in terms of the bias voltage V, which is needed for analyzing nonlinear distortion and gain stability of tinnel-diode amplifiers, can be obtained by differentiating a relation that approximates the current-voltage characteristic I = F(V). Four published theoretical formulas that approximate the I/V characteristic were experimentally checked and found to be inadequate for the above purposes. A new, purely empirical formula (5) is suggested. For calculating the transients in tunnel-diode switching circuits. A. Ferendeci's formula (PIRE, 1962, no. 8, 1852) is recommended. Orig. art.

Card 1/2

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ASSOCIATION:	ıone				
SUBMITTED: 2	Mar64			ENCL: 00	
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ACCESSION NR: AP4042940

\$/0057/64/034/008/1494/1503

AUTHOR: Dmitriyev, A.V.

TITLE: Investigation of the discharge in a narrow gap bounded on one or both sides by a dielectric

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.8, 1964, 1494-1503

and the second s

TOPIC TAGS: electric discharge, electric breakdown, glow discharge, dielectric

ABSTRACT: This paper reports a continuation of earlier work of the author (ZhTF 33, 1104,1963) on low frequency (50 cycle/sec) discharges in the short air gap between dielectric plates backed by metal electrodes. The basic experimental technique is described in the earlier paper, and the present exposition also leans heavily on the earlier discussion for theoretical matters developed there. The electrode diameter was changed to 2 cm for the present experiments, and the dielectric was bonded to the metal and its surface polished with greater care than before in an effort to minimize the pulse type discharge observed in the earlier work. In some experiments a small high-frequency (1 to 2 kc/sec) potential was applied in addition to the low-frequency excitation in order to measure the cathods drop and the field

1/3

ACCESSION NR: AP4042940

13 strength in the outer region of the discharge. Experiments were also performed in which distilled water replaced the metallic electrode. The dielectrics investigated were polyethelene, teflon, mica and a commercial, paper dielectric intended for capacitor manufacture. The value of the cathode drop at the surface of the mica dielectric was found to be between 150 and 200 V. The electric field in the remainder of the discharge was close to the breakdown strongth of air, and the current is assumed to be carried by electrom avalanches. No cathode drop was found at the paper dielectric; the self-sustaining discharge is ascribed in this case to unknown secondary processes. Spots at which destructive action had occurred were found on the surfaces of the dielectrics. These are assumed to mark the locations of emission centers, or cathode spots. The occurrence of the pulse type discharge was associated with a nonuniform distribution of these emission centers. The pulse discharge was strongly inhibited by the use of distilled water in place of metal as the conductive portion of the electrode. This is ascribed to the very high resistance of the water. The shape of a single current pulse was found to be similar to those observed by H.W.Bandel (Phys.Rev. 95,117,1954) and H.Mielke (Zs.angew.Phys.11,409, 1959) in the transition from a self-sustaining to a spark discharge, and the author concludes that the pulse type discharge represents the first stage in the formation

2/3

ACCESSION NR: AP4042940

of spark discharge channels. "The author tenders his deep gratitude to Prof. L.A. Sena, Doctor of Physical and Mathematical Sciences, for discussing the results of this work." Orig.art.has: 6 formulas, 9 figures and 2 tables.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im.V.I.Ul'yanova (Leningrad Electrotechnical Institute)

SUBMITTED: 18May63

ENCL: 00

SUB CODE: EM

NR REF SOV: 002

OTHER: CO6

3/3

ACCESSION NR: AP4042941

\$/0057/64/034/008/1504/1510

AUTHOR: Dmitriyev, A.V.

TITLE: Contribution to the statistical theory of the breakdown of air at atmospheric pressure and with small electrode spacing

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.8, 1964, 1504-1510

TOPIC TAGS: electric discharge, glow discharge, cathode spot, electric breakdown,

ABSTRACT: Two phases are distinguished in the breakdown process of short high-pressure air gaps: the development of a self-sustaining glow discharge, and the subsequent establishment of a highly conductive channel. The latter process involves considerable power and is accordingly sensitive to external circuit conditions. The former process is discussed in the present paper. Current statistical theories of the development of a self-sustaining discharge from the Townsend discharge in a gas are criticized as providing no natural qualitative criterion for the onset of the self-sustaining regime, and as incapable of accounting for breakdown at a finite field strength. Basing his argument on his own experimental results concerning the

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1/3

ACCESSION NR: AP4042941

formation of a subnormal glow discharge in a cavity with dielectric walls (ZhTF 33, 1104,1963), the author proposes the establishment of a cathode drop as the criteris on for the initiation of the self-sustaining phase. The cathode drop results from the formation of cathode spots at locations where the probability of surface ionization is enhanced by the presence of surface defects. This mechanism is more important in short high-pressure gaps than elsewhere, because the ionic remnant of an avalanche suffers in this case less diffusion on its journey to the cathode, and, consequently, arrives in a more compact form, in which it is more capable of producing secondary effects. A simple statistical theory is developed for the formation of cathode spots in a Townsend discharge, and the inevitable exponential time dependence of the probability is derived. It is suggested that this theory might be improved with the aid of considerations similar to those brought to bear on the question of the mechanical strength of real crystals by T.A.Kontorova and Ya.I.Frenkel' (ZhTF 11,173,1941). In the author's opinion the significant inference is that under conditions in which the presence of surface defects appreciably influences the initiation of the discharge (and these conditions are met in the case of a short gap), the statistical mean value of the breakdown potential is not constant, and the concept "breakdown potential of the gas" loses its meaning. This means in practice that

2/3

ACCESSION NR: AP4042941

under otherwise similar conditions, the average breakdown potential will be different for electrodes that have different areas or the surfaces of which have been differently treated. Orig.art.has: 13 formulas.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im.V.I.Ul'yanova (Leningrad Electrotechnical Institute)

SUBMITTED: 06Jun63

ENCL: 00

SUB CODE: EM

NR REF SOV: 006

OTHER: 022

3/3

DMITRIYEV, A.V., inzh.

New automatic regulator for lever transmissions. Biul.tekh.-ekon.inform.
Nauch.-tekh.sov.Min.putei soob. no.1:40-46 '63. (MIRA 17:1)

VASILENKO, V.N.; DMITRIYEV, A.V.; IONOV, V.A.; KOGAN, R.M.; NAZAROV, I.M.; FRIDMAN, Sh.D.

Using the gamma-ray spectrum surveying method in geology.
Sov. geol. 6 no.10:47-62 0 '63. (MIRA 17:1)

1. Institut prikladnoy geofiziki AN SSSR.

PA 15/49T18

DMI TRIYEV, A. V.

USSR/Electricity Insulators, High Frequency Jul 48

"High-Voltage Insulation for High-Frequency Installations," Prof N. P. Bogoroditakiy, Dr Tech Sci and A. V. Dmitriyev, Engr, Leningrad Elec Eng Inst imeni Ul'yanov, 4 pp

"Elektrichestvo" No 7

Treats subject under: (1) discharge in air at high frequencies; (2) construction of high-voltage, high-frequency insulators; (3) utilization of industrial frequency for testing high-frequency insulators.

15/49T18

DMITRIYEV, A. V.

A. V. Dmitriyev will defend his thesis on "Electrometer of Piezo-electric Converter" for a degree of candidate of technical sciences on 20 June 1953; at the Institute of Automatics and Telemechanics, USSR Academy of Sciences.

Vechernyaya Moskva, No. 143, 20 June 1953, p. 4

SOV/112-57-9-18298

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 9, pp 21-22 (USSR)

AUTHOR: Dmitriyev, A. V.

TITLE: Device for Automatic Stopping of a Braiding Machine. A Suggestion by
L. B. Grabin and N. I. Beregovoy (Mekhanizm dlya avtomaticheskogo
ostanova opletochnogo stanka. Predlozheniye L. B. Grabina, N. I. Beregovogo)

PERIODICAL: Sb. rats. predlozh. M-vo elektrotekhn. prom-sti SSSR, 1956, Nr 2 (60), pp 12-14

ABSTRACT: A new device is described for stopping a braiding machine by inserting an electric block in the motor supply circuit. The device is mounted on the nipple plate, close to the wire being braided, and consists of a textolite piece, two roller levers, and a spring. A wire-break block is embedded in the piece. When the wire slips off the rolls, or the wire diameter changes, a movement of one of the roller levers interrupts the motor supply circuit, thereby stopping the machine. Such a device has been mounted and operated successfully at the "Ukrkabel!" plant.

A.O.M.

Card 1/1

DMITRIGEV, A.V.

SHAPOVALENKO, A.M., mladshiy nauchnyy sotrudnik; DMITRIYEV, A.V.; OZOLIN, A.K., inzh.

Diesel compressors used in diesel locomotives. Elek. i tepl. tiaga 2 no.1:16-17 Ja '58. (MIRA 11:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut Ministerstva putey soobshcheniya (for Shapovalenko). 2. Glavnyy konstruktor Pervomayskogo tormoznogo zavoda (Dmitriyev). (Diesel locomotives)

DMITRIYEV, Anatoliy Vasil'yevich; SHPARAGA, I.I., inzh., retsenzent; SERDYUK, V.K., inzh., red.

[Safety rules for operators of sand preparation machinery casting shops] Pamiatka po tekhnike bezopasnosti dlia rabochikh zemleprigotovitel'nykh mashin liteinykh tsekhov.

Kiev, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1958.

57 0. (MIRA 12:4)

(Founding--Safety measures) (Sand, Foundry)

NESTHRENKO, Semen Leont'yevich; DMITRIYEV.A.V., inshener, retsensent; RIKEERG, D.B., red.

[Guide to safety measures in laying, repairing, and lining steel-smelting furnaces] Pamiatka po tekhnike bezopasnosti dlia kamenshchikov po kladka, remontu i obmurovke staleplavilinykh pachei. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 101 p.

(MIRA 14:5)

(Smelting furnaces) (Metallurgical plants-Safety measures)

DMITRIYEV, A.V.

s/576/61/000/000/020/020 E021/E130

AUTHORS:

Kuznetsov, V.G., Yeliseyev, A.A., Shpak, Z.S., Palkina, K.K., Sokolova, M.A., and Dmitriyev, A.V.

TITLE:

Study of the phase diagram and the electrical conductivity of the phases of the Ni-S, Ni-Se and

Co-S systems

SOURCE:

Soveshchaniye po poluprovodnikovym materialam, 4th. Voprosy metallurgii i fiziki poluprovodnikov; poluprovodnikovyye soyedineniya i tverdyye splavy Trudy soveshchaniya. Moscow, Izd.-vo AN SSSR, 1961. Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova. Fiziko-tekhnicheskiy institut. 159-173.

TEXT: Information on the phase diagram and electrical conductivity of the phases of the systems Ni-S, Ni-Se and Co-S is important for the technology of extraction of nickel, cobalt, selenium and sulphur from their ores and also for the search for new semiconducting materials. The present investigation was therefore carried out. Detailed X-ray analysis, differential thermal analysis and measurements of density were carried out. Card 1/4

Study of the phase diagram and the ... S/576/61/000/000/020/020 E021/E120

Electrical conductivity in the range 20 to 440 °C was measured, and in general showed a steady fall as the temperature increased. The results showed that in solid solutions based on β-NiSe or β-CoS with a defect nickel arsenide structure and a content of selenium or sulphur greater than 51.6 atomic %, a superlattice is formed. This is explained by ordering of defects in the lattice in Ni or Co positions. The following structures were found to exist: Ni4S3±x - hexagonal with parameters at 650° of a = 5.43 ± 0.01kx, c = 12.02 ± 0.01kX and c/a 2.211; Ni9S8 - hexagonal with a = 12.10 ± 0.1kx, c = 11.28 ± 0.01kx, c/a = 0.932 in a lattice of six Ni9S8 groups; Ni6Ses - hexagonal with a = 3.77 ± 0.01kx, c = 15.86 ± 0.02kx, c/a = 4.202; Ni2ISe2O - hexagonal with a = 7.95 ± 0.01kx, c = 9.76 ± 0.01kx, c/a = 1.227; β Ni3Se2O - terragonal with parameters at 650 °C of a = 7.60 ± 0.01kx, c = 6.22 ± 0.01kx, c/a = 0.818.

It was shown that NiS2 has semiconducting properties. The phases B NiS, β NiSs and β CoS with a nickel-arsenide structure and β CoS, β NiSe with a nickel-arsenide superlattice, and also Card 2/4

5/576/61/000/000/020/020 E021/E120

Study of the phase diagram and the ... α NiS with a millerite-type structure, behave below 300 °C as a NiS with a millerite-type structure, behave below 300 °C as semi-metals, but β' CoS with 55.22 at.% S and β' NiSe with 52.3 at.% Se have a tendency to semiconducting type of conductivity. The phases a Ni3S2, a Ni3Se2, Co9S8, NiSe2 and mixtures of a Ni3S2 with Ni, a Ni3Se2 with Ni and Ni6Se5, Co9S8 with Co, have metallic conductivity. The c/a ratio is close to the ideal nickel-arsenide structure in the case of β NiS (c/a = 1.555) but the tendency to semiconducting of β NiS (c/a = 1.555) but the tendency to semiconducting properties is greater for β' CoS (c/a = 1.534) and β' NiSe (c/a = 1.463). This is a deviation from the prediction by W.B. Pearson (Ref. 20: Canadian J. of Physics, 1957, v.35, 8, 886) that phases with nickel-arsenide structure would have that phases with nickel-arsenide structure would have semiconducting type of electrical conductivity. Detailed information is given on the limits of homogeneity and phase structure of Ni-S, Ni-Se and Co-S systems and also the interatomic distances in sulphides and selenides of nickel and cobalt There are 2 figures, 2 tables and 32 references: 7 Soviet-bloc and 25 non-Soviet-bloc. card 3/4

Study of the phase diagram and the ... \$/576/61/000/000/020/020

The four most recent English language references read as follows:

Ref. 7: T. Rosenqvist, J. Iron Steel Inst., 1954, v.176, 37.

Ref. 16: M. Hansen. Constitution of Binary Alloys, 1958;

2nd publication.
Ref.20: W.B. Pearson, Canadian J. of Physics, 1957, v.35, 8, 886.
Ref.23: M.A. Peacock, Amer. Mineralog., 1947, v.32, 484.

Card 4/4

\$/089/61/010/006/007/011 B136/B201

AUTHORS:

Balyasnyy, N. D., Boltneva, L. I., Dmitriyev, A. V.,

Ionov, V. A., and Nazarov, I. M.

TITLE:

Determination of the content of radium, thorium, and

potassium in rocks from an aircraft

PERIODICAL:

Atomnaya energiya, v. 10, no. 6, 1961, 626-629

TEXT: A three-channel analyzer allowing measurements to be made in three energy ranges with automatic subtraction of the background has been used for effecting spectroscopic gamma measurements. The integral sensitivity was 350 pulses/sec per microroentgen/hour. The channels worked (1) in integral operation with a cut-off of 0.5 Mev to eliminate the effect of the soft scattered gamma radiation; (2) in the 1.6-1.9 Mev energy range; (3) in the 1.9-2.7 Mev energy range. The contents of the individual elements were determined by equations

 $n_{1}(h) = n_{11}Ra + n_{12}Th + n_{13}K$ $n_{2}(h) = n_{12}Ra + n_{22}Th$

Card 1/4

S/089/61/030/006/007/011 B136/B201

Determination of the content of ...

$$n_{3} \varphi(h) = n_{31} Ra + n_{32} Th$$

Here, Th and K denote the percentual thorium and potassium contents, Ra. the percentual radium content of equilibrated uranium, $n_{1,2,3}$ the counting rates, $\rho(h)$ the reference coefficient to the earth's surface; $n_{11} = 8 \cdot 10^5$, $n_{12} = 3 \cdot 6 \cdot 10^5$, $n_{13} = 1 \cdot 5 \cdot 10^2$, $n_{21} = 4 \cdot 8 \cdot 10^4$, $n_{22} = 2 \cdot 6 \cdot 10^4$, $n_{31} = 2 \cdot 7 \cdot 10^4$, $n_{32} = 4 \cdot 6 \cdot 10^4$. (h) is independent of the content of elements, and for altitudes of 10, 25, and 50 m equal to 1.08, 1.24, and 1.55. The coefficients n_{ij} were determined by a direct method which, however, proved not to be very accurate. Since the spectra of the standard specimens and of the semi-space differ, the standard spectra were taken without and with a 25-cm water screening. The root-mean-square error in the determination of the elements was calculated after the fourth control flight and was found to amount to 25 %. The flights covered an area of 5.5 · 10 km

Card 2/4

S/089/61/010/006/007/011 B136/B201

Determination of the content of ...

at intervals of 100 m at an altitude of 25 m. A clear relationship was found between the radium and thorium contents and the geological structure. The highest radium and thorium contents (7.10-4%, and 11.10-4%, respectively) calculated according to aerial survey results are found in such regions where effusive rocks of a medium composition appear in granite outcrops on the surface; the lowest, on the other hand (1.5.10-4% for radium and 4.0.10-4% for thorium) are found where effusive rocks of a basic composition appear. The radium content determined from the aircraft is, on the average, by 28%, and the thorium content by 21%, less than the contents determined by radiochemical analysis. The introduction of a correction factor K=1.1 in n improves results considerably. As, however, the number of analyses performed is small, their accuracy is insufficient. The conclusion is drawn that errors caused by tolerances in prematurely introduced coefficients can be eliminated by this correction. The potassium content in effusive-sedimentary rocks fluctuated between 1 and 2% and attained 2.5% in granite, which agrees with data available in the literature. V. N. Vasilenko, Z.V. Kuznetsova and I. V. Yagodovskiy

Card 3/4

S/089/61/010/006/007/011 B136/B201

Determination of the content of ...

are thanked for having supplied geological material. There are 2 figures, 1 table, and 3 Soviet-bloc references.

SUBMITTED: July 14, 1960

Card 4/4

EALYASNYY, N.D.; BOLTNEVA, L.I.; DMITRIEV, A.V.; IONOV, V.A.; NAZAROV, I.M.

[Netermining the radium, thorium and potassium content of rocks
from an airplane. Atom.energ. 10 no.6:626-629 Je *61.

(MIRA 14:6)

(Aeronautics in geology) (Radioactive substances)

FEDOROV, N.A.; DMITRIYEV, A.V.; LUK'YANOV, S.V.; KORNIYENKO, P.P.

Studying the process of the hydraulic fracturing of coal seams. Nauch. trudy WNII Podzemgaza no.6:66-78
'62. (MIRA 15:11)

l. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

(Coal gasification, Underground)
(Hydraulic mining)

BOLTNEVA, L.I.; VASILENKO, V.N.; DMITRIYEV, A.V.; IONOV, V.A.; NAZAROV, I.M.; YAGODOVSKIY, I.V.

Experimental determination of radium, thorium, and potassium in rocks from an airplane by means of a NaJ(T1) crystal pickup.

Atom. energ. 13 no.3:280-282 S 162.

(Gamma-ray spectrometry) (Radioactivation analysis)

	S/874/62/000/002/002/019 D218/D308
AUTHORS:	Balyasnyy, N.D., Emitriyev, A.V., Ionov, V.A. and Nazarov, I.M.
'TITLE :	Spectrometric studies of natural emitters using large-volume scintillators
SOURCE:	Akademiya nauk SSSR. Ural'skiy filial. Institut geo- fiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 57-62
ployed incor (FEU-24) photiameter, 40 with each other corder to improve	A determination is reported of the ratio of the horium and uranium in natural rocks. The apparatus emporated a cylindrical plastic scintillator with a \$95 - 24 tomultiplier at each end. The plastic phosphor (20 cm cm long) consisted of two equal parts in optical contact her. It was surrounded by a cotton wool reflector in rove light collection. The outputs of the two photomules added together which ensured that the pulse amplitude ent of the position of the scintillation within the phos-
Card 1/2	

Spectrometric studies	S/874/62/000/002/002/019 D218/D308
a pulse-height range nel which corresponderegions: 0.3 - 2.6, 1 of the results obtain	ses were examined with a fixed channel covering corresponding to 2 - 2.6 MeV and a further channel to one of the following four possible energy 1.0 - 1.5, 1.0 - 2.0 and 1.5 - 2.0 MeV. Analysis and with these channels showed that the error in Th/J ratio from the counting rate ratio for the
two channels is a min	nimum when channel No. 2 covers the range 2.0 -
two channels is a min	nimum when channel No. 2 covers the range 2.0 - 5 Eigures and 1 table.

EWT(1) L 1268-66 UR/0271/65/000/002/A091/A092 62-5:629.135 ACCESSION NR: AR5008450 SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel naya tekhnika. Svodnyy tom, Abs. 2A523 AUTHOR: Balyasnyy, N. D.; Dmitriyev, A. V.; Ionov, V. A. 44155 TITLE: Device for automatic subtraction of background (noise) CITED SOURCE: Sb. Geofiz, priborostr. Vyp. 18, L., Nedra, 1964, 17-25 TOPIC TAGS: background subtraction, automatic background subtraction, air TRANSLATION: In automating the processing of air-gamma-survey materials (intensity-flight-altitude calculations, channel rate-of-counting division, etc.), a special device must be used for presubtracting the background components during the flight. A device is described which automatically subtracts the background rate-of-counting in the pulse form. The advantage of this method of isolating the desirable signal lies in the fact that the background is subtracted right at the radiometer input; hence, the automatic-stabilization circuit in the air-survey

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L 1268-66 ACCESSION NR: AR5008450

system is simplified, the background compensation with sensitivity-scale switching becomes unnecessary, and the possibility of count recording in the pulse form with an accuracy of one pulse is retained. The equipment includes a twoposition subtracting unit, an electronic delay circuit, a logical unit, and a memory The subtracting-unit error is investigated for the particular case when the pulse sequence is set by a separate background frequency-stabilized generator, and the input pulses are statistically distributed according to the Poisson law. If the subtracting unit switch has more than two positions, missing of a pulse of the background generator will depend not only on the number of the arrived input pulses but also on the switch position at the start of the period; therefore, in this case, the operation would be described by a Markov-type-circuit probabilistic process. A table and a recurrent formula set up for various sequences of the input pulses are analyzed. A principal circuit realizing the simplest switch is described. Bibl. 3, figs. 3.

SUB CODE: DP, EC

ENCL: 00

BOLTNEVA, L. I.; VASILENKO, V. N.; DMITRIYEV, A. V.; IONOV, V. A.; KOGAN, R. M.; KUZNETSOVA, Z. V.; NAZAROV, I. M.; YAGODOVSKIY, I. V.

Use of the method of air-borne gamma-spectrometry in studying the radioactivity of granitoid intrusives. Izv. AN SSSR. Ser. geofiz. no.6:858-871 Je '64. (MIRA 17:7)

DMITRIYEV, A.V.; NIKIFOROV, M.V.; KOGAN, R.M., kand. tekhn. nauk; FRIDMAN, Sh.D., kand. tekhn. nauk

Determining moisture of soils by their gamma-radiation. Meteor. i gidrol. no.7:56-58 Jl 165. (MIRA 18:6)

1. Institut prikladnoy geofiziki AN SSSR.

BOLTNEVA, L.I.; BUYAPAYA, L.I.; DMITRIYEV, A.V.; IONOV, V.A.; KOGAN, R.M.;
NAZAROV, L.M.;

Radioactivity of sands in Central Asia. Dokl. AN SSSR 165 no.1:183-186 N '65. (MIRA 18:10)

1. Submitted March 16, 1965.

L 31131-66 EWT(1) IJP(c) GG
ACC NR: AP6013131 SOURCE CODE: UR/0057/66/036/004/0739/0745

AUTHOR: Dmitriyev, A. V.; Tszyan Tsze-tsyan'

3 | B

ORG: Leningrad Electrotechnical Institute im. V. I. Ul'yanov (Lenin) (Leningradskiy elektrotekhnicheskiy institut)

TITLE: Variation of dielectric surface properties under the influence of gas discharge

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 4, 1966, 739-745

TOPIC TAGS: dielectric property, dielectric surface property, gas discharge

ABSTRACT: An investigation was made of the influence of gas discharge on the surface resistance of dielectrics coated with polyethylene films 40—75 µ thick. Initially, it was established that the resistance decreased sharply under the influence of the gas discharge. This was explained by the appearance of a space charge in the boundary layer of the dielectric. The space charge consisted of electrons from the gas discharge. If the ionization processes are stopped the surface resistance rises and approaches the initial realue. After the first minute the resistance rises according to Atn, where A is a constant determined by the intensity of the gas discharge and the duration of

Card 1/2

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DMITRIYEV, A.V.; LEBEDEV, V.L.; NAZARENKO, A.A.

Testing methods of connection linking by hydraulic fracturing of the coal seam at the Kamensk "Podzemgaz" Plant, Trudy VNIIPodzemgaza no.12:46-52 '64. (MIRA 18:9)

l. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

IMITERIEV. A. .. , AMERIYANO, P.P.; BUKTYANOV, S.V.; LEBEDEV, V.J.

17.0 Card portable station for the central and regulation of lydraulic fracturing processes. Trudy VNIIPodzemgaza nc.12: 131-134 '64. (MRA 18:9)

1. Laboratoriya gasifikatsii kamernykh ugley Vsescyuznogo nauchno-issledovaheliskogo instituta podzemnoy gazifikatsii ugley.

DMITRIYEV, A. V.

Oysters from Suzak layers of the Manysh syncline, Trudy Inst. geol. AN Turk, SSR 3:5-26 '60. (MIRA 16:1)

(Ashkhabad—Oysters, Fossil)

DMITRIYEV, A. V.

Paleogene oysters in the Badkhyz region. Trudy Inst. geol. AN Turk. SSR 3:27-74 '60. (MIRA 16:1)

(Badkhyz region-Oysters, Fossil)

KALUGIN, P.I.; DMITRIYEV, A.V.

Upper Cretaceous in the Badkhyz highland. Trudy Inst. geol. AN Turk. SSR 4:362-415 '62. (MIRA 16:7) (Badkhyz region—Geology, Stratigraphic)

DMITRIYEV, A.V.; KOZHEVNIKOVA, G.Ye.

Paleogene of the central Kopetdag. Izv. AN Turk.SSR. Ser. fiz.-tekh., khim. i geol. nauk no.2:99-107 '63. (MIRA 17:8)

1. Institut geologii AN Turkmenskoy SSR.

KALUGIN, P.I., akademik; DHITRIYEV, A.V.; KOZHEVNIKOVA, G.Ye.; ALIYEV, M.M., akademik; red; MIROYEDOVA, A., red.

[Stratigraphy of Upper Cretaceous and Paleocene sediments in the Kopetdag and Badkhyz] Stratigrafiia verkhmemelovykh i paleotsenovykh otlozhenil Kopet-Daga i Badkhyza. Ashkhabad, Turkmenizdat, 1964. 342 p. (MIRA 18:3)

1. Akademiya nauk Turkmenskoy SSR (for Kalugin). 2. Akademiya nauk Azerbaydzhanskoy SSR (for Aliyev).

DMITRIYEV, A.V.; KOZHEVNIKOVA, G. Ye.

Eccene sediments in the region of the Gayaursdag anticline. Trv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.3:91-96 164 (MIRA 18:1)

1. Institut geologii Gosudarstvennogo geologicheskogo komiteta ${\tt SSSR}_{\bullet}$

DMITRIYEV, A.V.; EPECEV, V.1.

Stand teating of abrasive rock drills for hydrasic brasking if coal seams. Trud, VMMTPcdzengazo no.13001465 165. (MIRA 18:8)

1. Laboratoriya gesiskhnologiah-akaya Vesayunnaga mashno-isaledo-vataliakaga instituba jamasnoy par filabili agiby.

TOPIC TAGS: glow discharge, cathode drop, cascade discharge, Townsend discharge, self-maintaining discharge

TRANSLATION: The author investigates a self-maintaining electric discharge in a narrow gas region bounded by a diele price at a voltage of commercial or increased frequency, and at low current voltage of commercial analysis is made of the elementary prodensities. A theoretical analysis is made of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses in the region of the cathode drop and of the cascade discesses drop and drop an

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ACCESSION NR: AR5005654

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charge, and some experimental results are reported. It is shown that the subnormal glow discharge is close to the normal glow discharge on the voltage-current characteristic of the gas gap, but is realized under very special conditions, namely in a narrow gap surrounded by a dielectric, when the emission processes on the cathode are uni-

		า เกิดเกาะสมเพลา เมลิ เพลาะเกาะสามารถสลังการเลาสมเพลาะที่ พาการ และ	Paraditan, Barrarananinga ay dari dakeri, sab	n natur n na an air air an air an	B*
SUB	CODE: EM, ME	ENCL: 00			
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	DMITRIYEV, A.V.				
	Approximat.L Fzv.vys.uch	on of the voltampere oeb.zav.; radiotekh. 7	haracteristics of no.5:640-643 S.O	tunnel diodes. *64. (MIRA 18:4)	

ACCESSION NR: AR5006547

S/0274/64/000/012/A075/A075 621.372.413

SOURCE: Ref. zh. Fediotekhnika i elektrosvyaz'. Sv. t., Abs. 12A409

AUTHOR: Alekseyev, A. V.; Dmitriyev, A. Ya.

TITLE: Coupling of coaxial resonators via small holes

CITED SCURCE: Izv. elektrotekh. in-ta, vyp. 52, 1964, 57-73

TOPIC TAGS: coaxial resonator, coaxial resonator coupling, small hole coupling

TRANSLATION: An approximate solution is given of the internal electrodynamic problem for two coaxial resonators coupled via holes. Assuming that the gap width of the both coaxial resonators is small, their fields are decomposed into their natural (axial) oscillations. The coupling hole size is much smaller than the wavelength and the radius of curvature of the surface carrying the holes. The coefficients of excitation of the resonators, at near-natural frequencies, are recorded. The problem is reduced thereby to an equivalent circuit with concentrated parameters. An experimental verification, at 1250-2000 Mc, of the effect of the external resonator voltage upon the internal resonator voltage showed good agreement with calculated values. Ill. 7. Bibl. 6.

Cord 1/1

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AUTHORS: Dmitriyev, A. Ya.; Odnol'ko, V. V.

TITLE: The possibilities of reducing the volume of information associated with the transmission of motionless color images α

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 11B72

REF SOURCE: Tr. Nauchno-tekhn. konferentsii Leningrad. elektrotekhn. in-ta svyazi, vyp. 2, 1964, 17-25

TOPIC TAGS: colorimetric analysis, telecommunication, telegraphy, image contrast, image projection, information processing

ABSTRACT: The characteristics of color phototelegraphy (CFT) were investigated. It was pointed out that with CFT it is necessary to transmit color information concerning all the elements including also the fine elements (as distinct from color TV). The quantity of information I transmitted along a CFT channel is proportional to $\log_2 \sqrt[3]{0}$, where $\sqrt[3]{0}$ is the number of colors which are distinguished both by brightness and by chromaticity. For motionless colored images $\sqrt[3]{0} = m \, \mu$, where m and μ are the number of gradations of brightness and chromaticity respectively, in which $m \leq 25-30$; μ is determined by the gradations of the color current $n \geq 10$. With the reproduction of high quality images

Card 1/2

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 $n_{\Delta\lambda} = 30$. Thus, for good images the total number of gradations of chromaticity $\mu \simeq \frac{n_{\Delta\lambda}n_{\Delta\gamma}}{2} = 150$, and $J_0 = 4500$. However, for low color originals with clear gradations between colors (documents, maps), transmission of which by CFT presents the most promise, one can consider $\mu \simeq n_{\Delta\lambda}$, thus the color saturation in this case is inseparably connected with the color tone. In order to make possible the transmission also of images of good quality by CFT it is necessary to provide for a change of transmission speed. For this requirement the most satisfactory method of transmission is by signals of brightness (U_y) , of color tone (U_{λ}) , and saturation (U_p) . Single color and low color images are transmitted by signals U_p and by the sum U_p and U_p respectively. By reducing the transmission speed, 3 signals can be transmitted at once. The preparation of a model of the CFT equipment is reported, operating in the band 300-3400 hz on the principle of simultaneous transmission of the signals U_p , U_q , and U_p . 6 illustrations. Bibliography of 8 citations. A. M. \sqrt{T} Translation of abstract.

SUB CODE: 17

Card 2/2

DMITRIYEV, A. YE.

Dmitriyev, A. Ye.

"Teaching Skills and Habits through the Lesson System." Moscow State Pedagogical Inst imeni V. I. Lenin. Moscow, 1955. (Dissertation for the Degree of Candidate in Pedagogical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

Parents' role in preparing students for socially useful work.
Politekh.obuch. no.12:44-47 D '59. (MIRA 13:5)

1. Srednaya shkola No.21, Taganrog. (Home and school)

BESPALOV, Vladimir Matveyevich[deceased]; DMITRIYEV, Aleksandr Yefimovich; YERSHOVA, I., red.; IVANOV, N., tekhm. red.

[Maloyaroslavets]Maloiaroslavets. Kaluga, Kaluzhskoe knizhnoe izd-vo, 1962. 218 p. (MIRA 15:11) (Maloyaroslavets)

DELIGITEV, B.

Productive activity of the Marti state cotton farm, Khlopkovodstvo no 3, 1952.

DMITRIYEY, B.

More production with the same capacity. Grazhd.av. 18 no.4:15 '61. (MIRA 14:4)

1. Nachal'nik tsekha aviaremontnogo predpriyatiya Vostochno-Sibirskogo upravleniya Grazhdanskogo vozilushnogo flota. (Siberia, Eastern-Airplanes-Naintenance and repair)

DMITRIYEV, B. (Moskva)

Some problems in the statistical evaluation of the mental beaution of the population. Zhur. nevr. i psikh. 65 no.2:296-302 165.

(MURA 18:9)

DMITRIYEV, B. (Moskva)

International classification of mental diseases. Zhur. nevr. i psikh. 65 no.9:1404-1407 '65. (MIRA 18:9)

DMITRIYEV, B. (Moskva)

Some materials on the characteristics of the distribution of psychic diseases in the voran; a wrief social-hygienic and substituted analysis. Zhur. nevr. i psikh. 65 ro.11:1733-1741 [65. (MFA. 18:11)

KOCHETKOV, N.K.; DMITRIYEV, B.A.

Wittig reaction in the carbohydrate series. Dokl. AN SSSR 151 no.1:105-109 J1 163. (MIRA 16:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR. 2. Chlenkorrespondent AN SSSR (for Kochetkov). (Carbohydrates) (Wittig reaction)

ZOLOTAREV, Ye.Kh.; FEDDER, M.L.: KALAKUTSKAYA, T.V.; YUDIH, L.G.; DMITRIYEV,

A study of repellents. Report No.2: Acyltetrahydroquinolines as mosquito repellents. Nauch. dokl. vys. shkoly; biol. nauki no.2: 37-40 '58. (MIRA 11:10)

1. Predstavlena kafedrami entomologii i organicheskoy khimii
Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova i
TSentral'nym nauchno-issledovatel'skim dezinfektsionnym institutom
Ministerstva zdravookhraneniya SSSR.

(Quinoline) (Mosquitoes) (Insect baits and repellents)

KOCHETKOV, N.K.; DMITRIYEV, B.A.

Monosaucharides. Report No.4: Synthesis of 2,3-dehydro-2,3-dideoxyaldoheptanoic acids. Izv.AN SSSR.Otd.khim.nauk no.7:1262-1267 JL 162. (MIRA 15:7)

1. Institut khimii prirodnykh soyedineniy AN SSSR. (Monosaccharides) (Heptanoic acid)

KOCHETKOV, N.K.; DMITRIYEV, B.A.; USOV, A.I.

Chromatography of monosaccharide derivatives in a thin layer of aluminum oxide. Dokl. AN SSSR 143 no.4:863-866 Ap '62. (MIRA 15:3)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

2. Chlen-korrespondent AN SSSR (for Kochetkov).
(Monosaccharides) (Chromatographic analysis)

KOCHETKOV, N. K.; DMITRIYEV, B. A.

Monosaccharides. Report No. 7: New synthetic path to higher sugars. Inv AN SSR Ser Khim no. 4: 669-677 Ap 164. (MIRA 17:5)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

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