

ESKIN, I.A.

R-8

USSR/Human and Animal Physiology - Internal Secretions.

Abs Jour : Referat Zhur - Biol., No 16, 1957, 70921

Author : Eskin, I.A.

Title : Characteristics of some Biological Properties of the Adrenocorticotropic Hormone.

Orig Pub : Probl. endikrinol. i gormonoterapii, 1955, 1, No 1, 52-59

Abstract : Into immature rats' abdomen in the course of 45 days were introduced twice daily 10 units of native ACTH. After 30 days only in 3 out of 12 rats occurred oestrus (in control animals oestrus occurred in 11 out of 12 rats). The ovaries and the uterus ~~was~~ decreased (to one half). The weight of the pituitary tissues of the rats, which received ACTH, was injected into immature mice for two days; after 96 hours, when they were opened up, there was no difference in the weight of ovaries and uterus compared to the controls. The inhibition of the sexual development is not related to the reduction of pituitary gonadotropin.

Card 1/2

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USSR/Human and Animal Physiology - Internal Secretions.

R-8

Abs Jour : Referat Zhur - Biol., No 16, 1957, 70921

ACTH was introduced into immature rats simultaneously with folliculo-stimulating hormone (pregnant mare's serum) and prolactin (luteinising hormone) for 6 days. The reaction of the ovaries was much weaker than in the controls. ACTH reduces the sensitivity of the sex glands to gonadotropic hormones, which explains the slowing down of sexual maturation. In males the introduction of ACTH also produces involution in the sex zone (Loss of weight in testicles, atrophy of Leydig cells etc.,) the weight increase is slowed down considerably in presence of ACTH: in 45 days the difference in increase as compared with the controls-84%. Specific reaction to ACTH is atrophy of "vilochkovoy" gland, particularly noticeable on the 15th day.

(acc - Union Coast Exptl. Endocrinol., Moscow)

Card 2/2

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ESKIN, I.A.; KAZHDAN, V.I.; SVYATUKHINA, O.V. (Moskva)

Estradiol, estrone, and estradiol in the blood in normal women
and in breast cancer and mastopathies. Probl.endok. i gorm.
1 no.6:80-83 N-D '55. (MIRA 12:8)

1. Iz otdela eksperimental'noy biologii (zav. - prof.I.A.Eskin)
Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. -
prof.Ye.A.Vasyukova) i Gosudarstvennogo onkologicheskogo insti-
tuta imeni P.A.Gartsena (dir. - prof.A.N.Novikov).

(BREAST, neoplasms,

blood estrogens in)

(BREAST, diseases,

blood estrogens in)

(BLOOD,

estrogens, in normal cond. & in neoplastic &
benign breast dis.)

(ESTROGENS, in blood,

in blood, in breast dis., neoplastic & benign,
& in normal cond.)

BSKIN, I.A., professor

Hormones. Zdorov'ie 1 no.10:12-13 '55

(MIRA 9:5)

(HORMONES)

ESKIN, I.A., professor (Moskva); VIDAUSKAYA, G.M. (Moskva)

Effect of light on the peripheral eosinophile count and on adrenal function. Probl.endok. i gorm. 2 no.1:82-87 Ja-F '56. (MLRA 9:10)

1. Iz otdela eksperimental'noy biologii (zav. - prof. I.A.Eskin)
Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. -
prof. Ye.A.Vasyukova)

(ADRENAL CORTEX, physiology,

eff. of light in rats (Rus))

(EOSINOPHIL COUNT,

eff. of light in rats (Rus))

(LIGHT, effects,

on adrenal cortex & eosinophil count (Rus))

E S K I N, I. A.

USSR/General Problems of Pathology - Tumors.

S-4

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71468

Author : Eskin, I.A., Kazhdan, V.I., Svyatuhina, O.V.

Inst :

Title : 17- Ketosteroids and Pregnandiol in the Urine of Healthy Women, and in Breast Cancer and Mastopathy.

Orig Pub : Probl. Endikrin. i Gormonoterapii, 1956, 2, No 5, 57-60

Abstract : Determinations of pregnandiol (I) and 17-ketosteroids (II) was done on 36 healthy women, 34 with milk gland cancer (MGC), and 28 with mastopathy in the age group 20-50, on the 1-st, second, and 16-18th day after the beginning of menstruation. In healthy women on the onset of menstrual cycle I was found only in 13 (36.2%); in the middle of the cycle I was found in 80.8% and the average excretion was 4 mg. In MGC patients in the beginning of the cycle the average I found was 2.2 mg, in 45.2%; in the middle 5 mg (in 82.2%). The - - -

Card 1/2

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USSR/General Problems of Pathology - Tumors.

S-4

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71468

The excretion of II in healthy women at the start of the cycle was 8.8 mg, in the middle- 9 mg; in MGC accordingly 8 and 8.8 mg, and with mastopathy 8 and 9 mg.

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ESKIN, I.A., professor.

Growth hormones. Nauka i zhizn' 23 no.8:63 Ag '56. (MIRA 9:9)
(HORMONES)

EXCERPTA MEDICA Sec.3 Vol.12/1 Endocrinology Jan 58

ESKIN I.A.

191. ROLE OF THE NERVOUS SYSTEM IN REGULATION OF FUNCTION OF THE PITUITARY AND ADRENAL CORTEX. (Russian text). Eskin I. A., Moscow. USP. SOVR. BIOL. 1956, 42/3 (343-355) Graphs 5 Tables 1

The results of investigations carried out by the author - in collaboration with Vidavskaja - support the view that both the central and the peripheral nervous system play a fundamental role in the secretion of ACTH by the anterior lobe of the pituitary gland. The author deals exhaustively with existing literature on the subject (Russian as well as foreign) which is discussed and extensively quoted.

Boerman - Oss

ESKIN, I.A., professor

Neurohumoral regulation of the adrenocorticotrophic function of the pituitary and the adrenal cortex. Pat.fiziol. i eksp.terap. 1 no.4: 10:15 J1-Ag '57. (MIRA 10:11)

1. Iz otdela eksperimental'noy biologii (zav. - prof. I.A.Eskin)
Vsesoyuznogo instituta eksperimental'noy endokriologii (dir. -
prof. Ye.A.Vasyukova)
(ACTH, physiology,
neuro-humoral regulation (Rus))

Eskin, I.A.

LEYTES, S.M., prof.; ESKIN, I.A., prof. (Moskva)

Soviet experimental endocrinology during the past 40 years. Probl.
endok. i gorm. 3 no.5:12-26 S-O '57. (MIRA 11:1)
(ENDOCRINOLOGY,
exper., in Russia (Rus))

ESKIN, I.

In the Moscow Society of Endocrinologists. Probl. endok. i gorm.
3 no.6:119-120 N-D '57. (MIRA 11:3)
(ENDOCRINOLOGY--SOCIETIES)

ESKIN, I.A., prof.

In the Moscow Society of Endocrinologists. Probl.endok. i gorm.
4 no.4:123-125 J1-Ag '58 (MIRA 11:10)
(ENDOCRINOLOGY)

ESKIN, I.A., prof. (Moskva)

Current concepts of the adrenocorticotropic of its action. *Klin. med.* 36 no.10:33-40 0 '58 (MIRA 11:11)

1. Iz otdela eksperimental'noy biologii (zav. - prof. I.A. Eskin) Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. prof. Ye.A. Vasyukova).
(ACTH,
review (Rus))

ESKIN, I.A. (Moskva)

Hypophysis and growth. Usp.sovr.biol. 46 no.1:62-74 J1-Ag '58
(MIRA 11:9)

(SOMATOTROPIN,
review (Rus))

ESKIN, I.A., MIKHAYLOVA, N.V.

Photoperiodicity and function of the hypophysis and adrenal cortex
[with summary in English]. Biul. eksp.biol. i med. 46 no.8:100-104
Ag '58 (MIRA 11:10)

1. Iz otdela eksperimental'noy biologii (zav. - prof. I.A. Eskin)
Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof.
Ye.A. Vasyukova), Moskva. Predstavlena deystvitel'nym chlenom AMN
SSSR V.V. Parinym.

(PITUITARY GLAND, physiol.

photoperiodicity in pituitary-adrenocortical funct.

in rats (Rus))

(ADRENAL CORTEX, physiol.

photoperiodicity in adrenocortical-pituitary funct.

in rats (Rus))

(LIGHT, eff.

same (Rus))

ESKIN, I. A., MIKHAYLOVA, N. V.

"Eosinopenic Reaction ϕ in a State of "Stress" in Young and Old Rats."

Theses of the Proceedings of the Annual Scientific Sessions 23-26 March 1959
(All-Union Institute of Experimental Endocrinology)

From the Department of Experimental Biology (Head--Professor N. A. Eskin)
of the All-Union Institute of Experimental Endocrinology (Director--Professor
Ye. A. Vasyukova)

ESKIN, I.A.; MIKHAYLOVA, N.V.

Use of long-acting cortisone and ACTH for the evaluation of biological activity of somatotropin. Biul. eksp. biol. i med. 47 no.3:103-109
Mr. '59. (MIRA 12:7)

1. Iz Otdela eksperimental'noy biologii (zav. - prof. I.A. Eskin)
Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof.
Ye. A. Vasyukova). Predstavlena deystvitel'nym chlenom AMN SSSR V. N.
Chernigovskim).

(CARTILAGE, effect of drugs on,
Somatotropin, evaluation of eff. by ACTH & cortisone (Rus))
(SOMATOTROPIN, effects,
on cartilage, evaluation of eff. by ACTH & cortisone (Rus))
(ACTH, effects,
evaluation of eff. of somatotropin on cartilage (Rus))
(CORTISONE, effects,
same)

ESKIN, I.A., prof.

Growth hormone. Nauka i zhizn' 27 no.11:77-79 N '60. (MIRA 13:12)

1. Zaveduyushchiy otdelom eksperimental'noy biologii Vsesoyuznogo
instituta eksperimental'noy endokrinologii.
(GROWTH) (HORMONES)

VYGODCHIKOV, G.V., prof.; GOLOVCHINSKAYA, Ye.S., prof.; LEVCHENKO, I.A., kand. med. nauk; MIKHAYLOVA, G.S., kand. farm.nauk; ROZENTSVEYG, P.Ye., kand. farm.nauk; TOMINGAS, A.Ya., prof.; CHERNYAVSKIY, M.N., kand.filol.nauk; ESKIN, I.A., doktor biol.nauk, prof.; OBOYMAKOVA, A.N., red.; SENCHILO, K.K., tekhn. red.

[State pharmacopoeia of the Union of Soviet Socialist Republics] Gosudarstvennaia farmakopeia Soluza Sovetskikh Sotsialisticheskikh Respublik. Izd.9. Moskva, Gos.izd-vo med.lit-ry Medgiz, 1961. 910 p. (MIRA 14:6)

1. Russia(1923- U.S.S.R.)Ministerstvo zdravookhraneniya. 2. Deystvitel'nyy chlen AMN SSSR (for Vygodchikov). 3. Deystvitel'nyy chlen AN Estonskoy SSR (for Tomingas)

(Pharmacopoeias)

ESKIN, I.A.; MIHALLOVA, N.V.

Reactions of the pituitary gland and adrenal cortex in stress in aged rats and the role of the nervous system in their development. Stud. cercet. endocr. 13 no.6:729-738 '62.

(AGING) (PITUITARY GLAND) (ADRENAL CORTEX) (STRESS)
(NERVOUS SYSTEM) (CORTICOTROPIN)

ESKIN, I.A.; MIKHAYLOVA, N.V.

Age-related in the function of the hypophysis and adrenal cortex and the significance of the nervous system in their development. Probl.endok. i gorm. no.2:10-14'63. (MIRA 16:7)

1. Iz otdela esperimental'noy biologii (zav. - prof. I.A. Eskin) Vsesoyuznogo instituta eksperimental'noy endokrinologii (direktor - prof. Ye.A. Vasyukova).
(PITUITARY BODY--AGING) (ADRENAL CORTEX--AGING)
(NERVOUS SYSTEM)

ESKIN, I.A. (Moskva)

Species characteristics of the somatotropic hormone (growth hormone).
Sovr. vop. endok. no.2:115-135 '63. (MIRA 18:9)

ESKIN, I.A.; KONOPATSKAYA, V.M.; MIKHAYLOVA, N.V. (Moskva)

Determination of ACTH in human blood plasma. Probl. endok.
i gorm. 9 no.3:84-87 My-Je '63. (MIRA 17:1)

1. Iz otdela eksperimental'noy biologii (zav. - prof. I.A.
Eskin) Vsesoyuznogo instituta eksperimental'noy endokrino-
logii (dir. - prof. Ye.A. Vasyukova).

ESKIN, I.A., prof.

Review of M.S. Kakhan's book "Cortico/isceral regulation of the
thyroid gland function". Probl. endok. i gorm. 9 no.6:120-121
N-D '63. (MIRA 17:11)

ESKIN, I.A.; KONGRATSKAYA, V.M.; MIKHAYLOVA, N.V.

ACTH content in the blood of patients with Itsenko-Cushing syndrome. Probl. endok. i gorm. 10 no.4:3-5 J1-Ag '64.

(MIRA 18:6)

I. Otdel eksperimental'noy biologii (zav.- prof. I.A. Eskin)
Vasoyuznogo instituta eksperimental'noy endokrinologii (dir.-
prof. Ye.A. Vasyukova), Moskva.

L 55945-65

ACCESSION NR: AP5018505

UR/0020/64/159/003/0693/0695

AUTHOR: Eskin, I. A.; Shohedrina, R. N.

TITLE: Specific characteristics of catecholamine metabolism in the central nervous system during a state of stress

SOURCE: AN SSSR. Doklady, v. 159, no. 3, 1964, 693-695

TOPIC TAGS: experiment animal, brain, encephalology, biochemistry, endocrinology

Abstract: Young rats in the first days of life after birth, which did not yet respond to stress consisting of exposure to cold (+ 2° for an hour) or surgical trauma, showed a content of noradrenaline in the hypothalamus and reticular formation that was much lower compared with adult rats. The content of noradrenaline in these divisions of the brain increased with age, as the capacity to react to stress developed. Former work by I. A. Eskin et al showed that old rats, which exhibited a weakened reaction to stress consisting of exposure to cold or a pain irritation (as indicated by the extent of decrease in the content of ascorbic acid in the suprarenals and eosinopenia), lacked noradrenaline in the hypothalamus and had a greatly reduced content of it in the reticular formation. In experiments on adult rats subjected to surgical trauma a two-phase stress reaction was observed with respect to changes

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L 55945-65

ACCESSION NR: AP5018505

in the content of catecholamine: in the first stage, the content of noradrenaline in the hypothalamus and reticular formation showed a pronounced drop, while its content in the suprarenals remained unchanged, whereas in the second stage the content of noradrenaline in these divisions of the brain increased, while its content in the suprarenals (and also to a marked extent that of adrenaline) decreased. Orig. art. has 2 figures.

ASSOCIATION: Vsesoyuznyy institut eksperimental'noy endokrinologii Ministerstva zdravookhraneniya SSSR (All-Union Institute of Experimental Endocrinology, Ministry of Health SSSR)

SUBMITTED: 28Apr64

ENCL: 00

SUB CODE: 1S

NO REF SOV: 010

OTHER: 006

JPRS

Card 2/2

ESKIN, I. I.

Trekhkolesnoe shassi i ego raschetnye nagruzki. (Tekhnika vozdušnogo flota, 1940, no. 3, p. 37-53, illus., diagrs., tables, bibliography)

Title tr.: The tricycle landing gear and its stress analysis.

TL504.T4 1940

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

ESKIN, I. I.

Shassi s nosovym kolesom. (Tekhnika vozdušnogo flota, 1945, no. 9, p. 9-16, diags.)

Title tr.: Nosewheel landing gear.

TL504.Th 1945

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

ESKIN, I.I.; SAGALOV, L.M., red.; ZUDAKIN, I.M., tekhn.red.

[Aircraft landing gear with a nose wheel] Samoletnye shassi
s nosovym kolesom. Moskva, Oborongiz, glavnaia red.aviatsionnoi
lit-ry, 1947. 243 p. (MIRA 12:11)
(Airplanes--Landing gear)

ESKIN, I. I.

USSR/Aeronautics

Feb 1947

Tail Surfaces - Stresses
Airplanes - Tail Assemblies

"Stresses on Tail Assemblies during Violent Aerial
Maneuvers," I. I. Eskin, Candidate in Technical
Sciences, 6 pp

"Tekh Voz Flota" No 2 (227)

The author attempts to explain the particulars of
strains on the tail assembly during flight and the
effect of the parameters of the plane on the amount
of calculated strains on the tail assembly. Mathe-
matical formulas and several stress and strain dia-
grams of the tail assembly in various violent aerial
maneuvers.

2812

KHAYLO, V.S.; ESKIN, I.L.; KLEYNERNAN, Z.I.; RAZUMOVSKIY, N.H., red.

[Mechanization of intrafactory transportation] Mekhanizatsiia vnutrifabrichnogo transporta. Moskva, TSentr. tekhn. kursy povysheniia kvalifikatsii ITR i tekhn. obucheniiia rabochikh. No.2. [Overhead intrafactory conveying] Podvesnoi vnutrifabrichnyi transport; konspekt lektsii, 1963. 76 p.6 (MIRA 17:1)

SADOV, F.I., doktor tekhn. nauk, prof.; CHAPLINA, N.D.; IVLIYEV, V.G.; LUR'YE, A.L.; ABEZGUZ, A.Ya.; DYNIN, F.M.; ESKIN, I.L.; VASIL'YEV, G.V.; GAL'PERIN, M.M., retsenzent; IL'INSKIY, N.S., retsenzent; MORYGANOV, P.V., doktor tekhn. nauk, prof., retsenzent; MOSHKIN, V.I., retsenzent; RUDAKOV, D.N., retsenzent; TSVETKOV, M.N., retsenzent; DUKHOVNIY, F.N., red.

[Design and planning of finishing factories for the cotton industry] Proektirovanie otdelochnykh fabrik khlopchatobumazhnoi promyshlennosti. Moskva, Legkaia industriia, 1965. 355 p. (MIRA 18:7)

ESKIN, L. D., Cand Phys-Math Sci (diss) -- "The matrical elements of irreducible representations of a unimodular group". Kazan', 1959. 8 pp (Min Higher and Inter Spec Educ RSFSR, Kazan' Order of Labor Red Banner State U im V. I. Ul'yanov-Lenin), 150 copies (KL, No 10, 1960, 126)

69776

16.4600

S/155/59/000/02/017/036

AUTHOR: Eskin, L.D.

TITLE: On the Theory of Relativistic Spherical Harmonics¹⁰

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki,
1959, No. 2, pp. 95-97

TEXT: With the aid of a method used by I.M. Gel'fand and Z.Ya. Shapiro (Ref. 6) in the case of a three-dimensional rotation group the author obtains recurrent relations between the matrix elements of the irreducible representations of the Lorentz group. In the special case of the representations of first class ($k_0 = 0$) the matrix T_g of the representation can be determined with the aid of these relations.

The author mentions M.A. Naymark, A.Z. Dolginov, V.L. Ginzburg, I.Ye. Tamm, and V.Ya. Vilenkin.

There are 6 Soviet references.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V.I. Ul'yanova-Lenina (Kazan' State University imeni V.I. Ul'yanov-Lenin) ✓

SUBMITTED: September 15, 1958

Card 1/1

13(1)

SOV/140-59-2-28/50

AUTHOR: Eskin, L.D.

TITLE: Remarks on Laplace Operators on a Unimodular Group (Zamechaniya ob operatorakh Laplaza na unimodulyarnoy grappe)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 2, pp 259-269 (USSR)

ABSTRACT: If $g \rightarrow T_g$ is the representation of a complex unimodular group G in the space \mathcal{H} , then it holds

$$g = u\varepsilon v, \quad T_g = T_u T_\varepsilon T_v,$$

where $u, v \in U$, U - unitary subgroup of G , ε is a real diagonal matrix. In the present paper the author constructs the complete system of Laplace operators on a unimodular complex group (compare I.M.Gel'fand [Ref 1]). Then the elements of T_ε for the irreducible representations of the Lorentz group are investigated. For the single blocks of T_ε the author gives differential equations. The consideration of the irreducible

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Remarks on Laplace Operators on a Unimodular Group SOV/14/-59..2-28/30

representation permits to form simple recurrence relations between the elements of a row of the $T_{\mathfrak{g}}$. Herewith the elements of $T_{\mathfrak{g}}$ can be calculated for representations of first class.

There are 8 references, 6 of which are Soviet, and 2 American.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lerina
(Kazan' State University imeni V.I.Ulyanov-Lenin)

SUBMITTED: December 21, 1956 to the editor of "Uch. zap. KGU"
March 31, 1958 to the editor of "Izvestiya vysshikh uchebnykh zavedeniy. Matematika"

Card 2/2

243200

38528

S/051/62/012/006/011/020
E039/E420

AUTHORS: Valiyev, K.A., Eskin, L.D.

TITLE: The rotational diffusion of molecules and light scattering in liquids. I. Spherical molecules

PERIODICAL: Optika i spektroskopiya, v.12, no.6, 1962, 758-764

TEXT: The rotational diffusion of spherically symmetrical molecules is examined by means of three dimension group rotation theory, taking into account all three rotational degrees of freedom. From the Fokker-Planck equation are derived equations for bound rotational diffusion, by a generalization of the equations of rotational diffusion of linear molecules. Solutions of these equations (probability of transitions) are given in the form of generalized spherical functions and are used for examining the scattering of light in liquids. The broadening of lines by dissipative processes, such as the transition of the energy of molecular oscillation into thermal motion of molecules, is considered. It is shown that the half width of the observed lines increases with increase in the value of its coefficient of depolarization. This means that the width of the polarized lines

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The rotational diffusion ...

S/051/62/012/006/011/020
E039/E420

is determined by the dissipation of the oscillatory energy of the molecules.

SUBMITTED: May 12, 1961

f.

Card 2/2

ESKIN, L.D.

Matrix elements of irreducible representations of the Lorentz group. Izv. vys. ucheb. zav.; mat. no.6:180-184 '61. (MIRA 15:3)

1. Kazanskiy gosudarstvennyy universitet imeni Ul'yanova-Lenina.
(Matrices) (Groups, Theory of)

ESKIN, L.D.

Zeta function on a group of unitary matrices. Dokl. AN SSSR
152 no.6:1327-1328. 0 '63. (MIRA 16:11)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-
Lenina. Predstavleno akademikom I.G. Petrovskim.

ESKIN, L.D. (russian).

The heat conduction equation and Weierstrass's transformation in
certain symmetrical Riemannian spaces. Izv.vys.ucheb.zav.; mat.
no.5:151-166 '65.

(MIRA 18:10)

Eskin, M.G.

GAZYAN, G.S., kandidat tekhnicheskikh nauk; ESKIN, M.G.; KORSHUNOV, Ye.S.;
OSTROVSKIY, Yu.I.; ROMANOVA, Ye.I.

Mechanization of bit feeding. Trudy TSIMNefti no.1:3-22 '54.
(MLRA 10:9)

(Oil well drilling--Equipment and supplies)

ESKIN, M. G.

Subject : USSR/Engineering AID P - 1126
Card 1/1 Pub. 78 - 4/25
Authors : Gazyan, G. S., Korshunov, Ye. S., Ostrovskiy, Yu. I.,
Romanova, Ye. I. and Eskin, M. G.
Title : The MPD-1 drill feed mechanism
Periodical : Neft. khoz., v. 32, #11, 15-19, N 1954
Abstract : The mechanism for automatic and semi-automatic feed of
the drill is described. Drilling pressure and speed of
the turbo-drill are pneumatically controlled and elimi-
nate the physical strain on the driller and provide
stability of drilling. One diagram.
Institution : TsIMT (Central Scientific Research Institute for Mecha-
nization and Labor Organization in the Petroleum Industry)
Submitted : No date

ESKIN, M. G.

2372* (Russian) "Extremum" Controller for Turbine Drilling of Oil Drill-Holes. Extremum Regulator dlia turbinnoza burenia neflanykh skvazhin. by M. G. Eskin. Avtomatika i Telemekhanika, v. 17, no. 9, Sept. 1959, p. 775-783 + 2 plates.

Analysis of corrective circuits for automatic optical control at maximum mechanical speed.

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8(0), 11(4)

SOV/112-59-2-3264

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 149 (USSR)

AUTHOR: Ovsyannikov, B. A., Ostrovskiy, Yu. I., Peskin, G. L., and
Eskin, M. G.

TITLE: Instrument for Measuring and Recording the Rpm's of a Giproneftemash-
Make Turbodrill (Pribor dlya izmereniya i registratsii skorosti vrashcheniya
turbobura konstruksii Giproneftemasha)

PERIODICAL: Novosti nef. tekhn. Neftepromysl. delo, 1957, Nr 8, pp 3-9

ABSTRACT: A teletachometer with a wire connecting link between the primary
element and the oscillograph is described. A type DOT-3 AC tachometer
generator is installed in the turbodrill adapter. The tachometer-generator
rotor is coupled to the turbodrill shaft. The tachometer-generator frequency
is converted into DC voltage which is subsequently amplified by two amplifiers.
One amplifier feeds two series-connected oscillograph loops that record
drilling conditions and dynamic process. The second amplifier feeds an

Card 1/2

SOV/112-59-2-3264

Instrument for Measuring and Recording the Rpm's of a Giproneftemash-Make
electron potentiometer that indicates the rpm. A low-frequency generator is
used for calibrating the system.

V.N.Ch.

Card 2/2

ESKIN, M.G.; ROMANOVA, Ye.I.

Relation between the parameters of a turbodrilling operation,
based on commercial data obtained by the Tuymazy Petroleum Trust.
Neft. khoz. žb no.6:10-18 Je '58. (MIRA 11:9)
(Oil well drilling)

ESKIN, M.G. (Moskva)

Automatic control of a turbine drilling process using
self-regulating systems. Avtom.i telem. 21 no.6:
791-805 Je '60. (MIRA 13:7)
(Boring) (Automatic control)

ESKIN, M.G.

Analyzing diagrams of automatically controlled turbodrills;
comments on A.A. Minin's article published in "Nefteprom
khoziaistvo," no.10, 1959. Neft. khoz. 38 no.3:23-27 Mr '60.
(MIRA 13:7)

(Turbodrills) (Automatic control)

ESKIN, M.G., kand.tekhn.nauk; ISACHENKO, L.Ye., inzh.

AVE automatic feed control regulator for turbine and rotary
drilling. Trudy Giprcneftemasha.Nefteprom.delo no.1:21-36 '61.
(MIRA 15:8)

(Oil well drilling--Equipment and supplies)
(Automatic control)

ESKIN, M.G., kand.tekhn.nauk; OVSYANNIKOV, B.A., inzh.

Programming and carrying out of industrial testing of an
automatic drill bit feed control using drawworks band brakes.
Trudy Gipromneftemasha.Nefteprom.delo no.1:45-61 '61.

(MIRA 15:8)

(Oil well drilling--Equipment and supplies)
(Automatic control)

ESKIN, M.G., kand.tekhn.nauk; ROMANOVA, Ye.I., inzh.

Relationships among the parameters of turbodrilling. Trudy
Giproneftemasha.Nefteprom.delo no.1:83-142 Vol. (MIRA 15:8)
(Turbodrills)

ESKIN, M.G., kand.tekhn.nauk; ISACHENKO, L.Ye., inzh.

Automatic controller for feeding the bit in well drilling. Elek-
trichestvo no.11:55-59 N '61. (MIRA 14:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
neftyanogo mashinostroyeniya.
(Oil well drilling) (Automatic control)

ALEKSANDROV, A.M., inzh.; BAZHENOV, V.S., inzh.; BOBROVNIKOV, B.N., inzh.; VAGANOV, M.P., inzh.; GUREVICH, B.M., inzh.; DZHIBELLI, V.S., inzh.; DROBAKH, V.T., inzh.; ISAKOVICH, R.Ya., kand. tekhn. nauk; KAPUSTIN, A.G., inzh.; KONENKOV, K.S., inzh.; MININ, A.A., kand.tekhn.nauk; PEVZNER, V.B., inzh.; PESKIN, G.L., inzh.; PORTER, L.G., inzh.; RYADILOV, A.N., inzh.; SLUTSKIY, L.B., inzh.; FEDOSOV, I.V., inzh.; FRENKEL', B.A., inzh.; TSIMBLER, Yu.A., inzh.; SHUL'GIN, V.Kh., inzh.; ESKIN, M.G., kand. tekhn. nauk; VOROB'YEV, D.T., inzh. [deceased]; SINEL'NIKOV, A.V., kand. tekhn. nauk; SHENDLER, Yu.I., kand. tekhn. nauk, red.; NESMELOV, S.V., inzh., zam. glav. red.; NOVIKOVA, M.M., ved. red.; RASTOVA, G.V., ved. red.; SOLGANIK, G.Ya., ved. red.; VORONOVA, V.V., tekhn. red.

[Automation and apparatus for controlling and regulating production processes in the petroleum and petroleum chemical industries] Avtomatizatsiya, pribory kontrolya i regulirovaniya proizvodstvennykh protsessov v neftianoi i neftekhimicheskoi promyshlennosti. Moskva, Gostoptekhizdat. Book 3. [Control and automation of the processes of well drilling, recovery, transportation, and storage of oil and gas] Kontrol' i avtomatizatsiya protsessov bureniya skvazhin, dobychi, transporta i khraneniya nefti i gaza. 1963. 551 p. (Automation) (MIRA 16:7)

(Petroleum production--Equipment and supplies)

ESKIN, M.G.

Calculating the elements of automatic bit feed regulators. Mash.
i neft. obor. no.10:21-25 '64 (MIRA 18:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektinyy in-
stitut neftyanogo mashinostroyeniya.

ESKIN, M.G.

Maintaining drilling parameters using an automatic drill-feed
regulator. Neft. khoz. 43 no.6:12-15 Ja '65.

(MIRA 18:7)

ESKIN, M.G.; VOL'GEMUT, E.A.

Electric automatic bit feed controller with magnetic and semi-conductor boosters. Mash. i neft. obor. no.6:19-26 '65. (MIRA 18:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut neftyanogo mashinostroyeniya.

KEMEL'MAN, M.N., kand. tekhn. nauk; ESKIN, N.B., inzh.

Results of investigations of a device for enriching samples of
superheated steam. Izv. vys. ucheb. zav. energ. 3 no.2:92-98
F '60. (MIRA 13:2)

1. Moskovskoye otdeleniye Tsentral'nogo kotloturbinogo instituta im.
I.I. Polzunova. Predstavlena prezidiumom Nauchno-tekhnicheskogo soveta.
(Steam, Superheated)

KEMEL'MAN, M.N.; TARATUTA, V.A.; ESKIN, N.B.

Thermal and chemical testing of an experimental US-2.6/39 one-through
type waste-heat boiler. Prom.energ. 16 no.5:3-8 My '61.

(MIRA 14:7)

(Boilers—Testing)

KEMEL'MAN, M.N., kand.tekhn.nauk; ESKIN, N.B., inzh.

System of fractional separation with re-circulation. Energomashino-
stroenie 8 no.3:21-23 Mr '62. (MIRA 15:2)
(Boilers)

KOZLOV, Yu.V., inzh.; ESKIN, N.B., inzh.

Calculation of the critical loads of separators. Teploenergetika
11 no.2:57-61 F '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy teplotekhnicheskii
institut i Moskovskoye otdeleniye Tsentral'nogo kotloturbinnogo
instituta.

KOSHELEV, I.I., kand.tekhn.nauk; ESKIN, N.B., inzh.; TARATUTA, V.A.,
inzh.; KAPCHITS, D.A., inzh.; ABRYUTINA, N.V., inzh.; POLYAKOVA,
V.P., inzh.; LEBEDEVA, I.G., inzh.

Study of salt extraction by the flushing and separating
system of the PK-24 boiler. Elek. sta. 35 no. 4:10-15 Ap '64.
(MIRA 17:7)

ZORIN, D.I.; ESKIN, S.P.

Highly stable sonic frequency source. Nov.nauch.-issl.rab.po metr.
VNIM no.4:40-43 '64. (MIRA 18:3)

L 14025-66 EWT(1)/EED(K)-2/EWA(H)

ACC NR: AP6000029

SOURCE CODE: UR/0115/65/000/010/0008/0011

AUTHOR: Bezikovich, A. Ya.; Belyayeva, M. S.; Zorin, D. I.; Eskin, S. P.

35
B

ORG: none

TITLE: Universal high-accuracy outfit for checking ammeters, voltmeters, and wattmeters at acoustic frequencies

25

SOURCE: Izmeritel'naya tekhnika, no. 10, 1965, 8-11

TOPIC TAGS: acoustic frequency, measuring instrument

ABSTRACT: New equal-quantity comparators are described in which the a-c measurand and the corresponding d-c quantity are applied to a receiving converter (RC, see fig. below). Three block diagrams of comparators are shown: (a) for current and voltage; (b) for power with a square-law control of converters, and (c) for power with a low power factor using the method of equal temperatures. The measurand X, (or X_f , X_{fx} for power) is compared with its equivalent d-c value X_o (or X_{o1} , X_{o2}) by means of RC and SC (scale converters). Full equilibrium is attained by an auxiliary balance circuit (ABC). A d-c meter (DCM) serves to measure the d-c

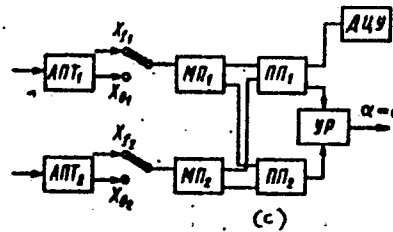
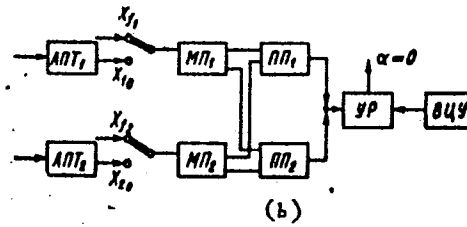
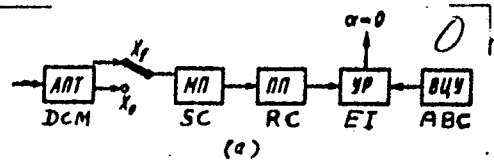
Card 1/2

UDC: 621.317.714.089.6 + 621.317.725.089.6 + 621.317.784.089.6

2

L 14025-66
ACC NR: AP6000029

equivalent. An equilibrium indicator (EI) or balance detector is represented by a microvoltmeter and an amplifier. This outfit permits checking 0.1%-error instruments at 0.05-2.5 kc, 0.2%-error instruments at 2.5-20 kc, and low-power-factor wattmeters having 1.5% error at 0.05-10 kc. Orig. art. has: 2 figures.



SUB CODE: 09 / SUBM DATE: none / ORIG REF: 007

Card 2/2 *SC*

SOV/107-52-10-28/55

AUTHOR: Eskin, V., Member of the Frunze Radio Club, Scientific Worker

TITLE: An Electrothermometer (Elektrotermometr)

PERIODICAL: Radio, 1958, Nr 10, pp 31-32 (USSR)

ABSTRACT: The author discusses the limitations of the conventional mercury thermometer as compared with an electrothermometer having semiconductor thermistors or thermocouples; he himself exhibited a "medical electrothermometer", for taking the temperature of different parts of the human skin, at the last All-Union Radio Exhibition. The operation of the electrothermometer is based on the potentiometer method, where the galvanometer is used as a zero-indicator, and the voltage created in the thermocouple is compensated by the voltage taken from the divider (illustrated in a circuit diagram). Correction for the temperature of the outside medium is accomplished by introducing an additional voltage from the temperature compensation bridge, formed by various resistances (shown in the diagram), into the galvanometer-thermocouple circuit. A detailed description of the working of this instrument is given, together with instructions for its adjustment and operation.

Card 1/2

An Electrothermometer

DOV/107-59-10-28/55

There is one illustration and one circuit diagram.

ASSOCIATION: Institut krayevoy meditsiny Akademii nauk Kirgizskoy SSR
(Institute of Regional Medicine, AS Kirghiz SSR)

Card 2/2

L 43980-66

ACC NR: AP6029046

SOURCE CODE: UR/0413/66/000/014/0062/0063

INVENTOR: Eskin, V. Ya.

ORG: none

TITLE: Device for recording light sensitivity. Class 30, No. 183885

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 62-63

TOPIC TAGS: visual analyzer, ophthalmology, light sensitivity

ABSTRACT: An Author Certificate has been issued for a device which records the sensitivity of the human eye to light. It consists of an oscilloscope, recorder, and power pack. To record the light sensitivity threshold, the device is equipped with a feedback circuit consisting of ocular electrodes, an amplifier of the retina potential, and an analyzer-regulator of the brightness of the moving image source. A variation of the above allows viewing a shifting image in one plane by

16
B

Card 1/2

UDC: 621.38:616-072.7:612.843.36-7

L 43980-66

ACC NR: AP6029046

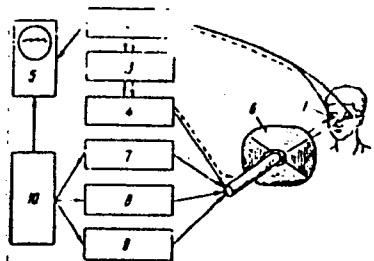


Fig. 1. Device for recording sensitivity to light.

1 - Ocular electrodes; 2 - amplifier of biopotentials; 3 - recorder; 4 - brightness control; 5 - oscilloscope; 6 - screen; 7 - horizontal line generator; 8 - vertical line generator; 9 - rectangular pulse generator; 10 - power pack.

virtue of a television tube, the image of which is formed by vertical and horizontal line generators and a rectangular pulse generator which modulates the beam (see Fig. 1).

[SC]

SUB CODE: 06/ SUBM DATE: 14Oct63/ ATD PRESS: 5071

Card 2/2

ULR

ESKIN, V. A.

Levkovich, Ye. N., Eskin, V. A., and Yegorov, V. I. "The etiological characteristics of one of the outbreaks of Japanese encephalitis in Primorskiy Kray", Voprosy med. virusologii, Issue 1, 1948, p. 327-41, - Bibliog: 24 items.

So: 6-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 10, 1949).

ESKIN, V. A. ~~ESKIN, V. A.~~ and ~~KRAMINSKAYA, N. N.~~

"Spontaneous Leptospirosis in White Mice," by N. N. Kraminskaya and V. A. Eskin, Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, Vol 27, No 9, Sep 56, pp 63-64

This article describes the investigation of Leptospira observed in the urine of white mice obtained from mouse-breeding houses for 1955 experiments on the etiology of Far Eastern leptospiroses. The presence of these pathogens was considered to be a highly significant observation in view of the fact that spontaneous leptospirosis in white mice has not heretofore been mentioned in Soviet literature and laboratory manuals.

On examination of exudate from the abdominal cavities of guinea pigs which had been experimentally infected with kidney emulsions prepared from white mice found to be carrying the disease, Leptospira were observed by direct and dark-field microscopy.

Two cultures of Leptospira isolated from the infected guinea pigs were found to be identical and grew well on a yeast medium. On the basis of the results of serological studies of these cultures, it was concluded that the strains isolated were a new serological type, which was named Leptospira muris. Further experiments are recommended to determine the epidemiological significance of this pathogen.

Sum 1258

EXCERPTA MEDICA Sec 4 Vol 12/10 Medical Microb. Oct 59

3162. EPIDEMIOLOGY AND CLINICAL PECULIARITIES OF USSURIAN LEPTOSPIROSIS (Russian text) - Eskin V. A., Kraminskaya N. N., Berkut Yu. V., Irlin Sh. P. and Izotov P. V. - ZH. MKROB. EPID. I IMMUNOBIOL. 1958, 8 (54-60) Graphs 2 Tables 3

Human infections in the region of the sea country are due to 8 types of leptospirae: L. grippotyphosa, L. montakow (L. DV-V; L. pomona), L. DV-A (L. tarasowi; L. mitis), L. canicola, L. akyami, L. saxkoebing, L. muris and L. ussuri (L. DV-P). L. ussuri was first isolated in 1952 by Kraminskaya from the blood of a patient, and subsequently in 1955-1956 in connection with mass outbreaks of leptospirosis man. In 294 of 589 suspected patients, antibodies against 7 types of leptospirae were found. Examination was carried out with 23 antigens. The predominant agent in the investigated area was L. ussuri; antibodies were detected in 70% of patients. Antibodies against L. ussuri have not been detected in sera of rodents, but are present in cattle.

Tarabčák - Košice

ESKIN, V.A., podpolkovnik meditsinskoy sluzhby; DANDUROV, Yu.V., kapitan
meditsinskoy sluzhby; KALINKOVSKIY, I.S., kapitan meditsinskoy
sluzhby

Net for insect protection. Voen.-med.zhur. no.6:89-90
Je '59. (MIRA 12:9)

(MOSQUITOES
canopy for protection (Rus))

KRAMINSKAYA, N.N. (g Ussuriysk); ESKIN, V.A. (g.Ussuriysk); ZHUK, N.F.
(g.Ussuriysk)

Etiology of periodic ophthalmia in horses. Veterinariia 36
no.12:13-17 D '59. (MIRA 13:3)
(Horses--Diseases)

KRAMINSKAYA, N.N.; ~~ESKIN, V.A.~~

Spontaneous carrying of Leptospira in white laboratory mice in the
Far East. Soob.DVFAN SSSR no.11:157-159 '59. (MIRA 13:11)

1. 73-ya virusologicheskaya laboratoriya Dal'nevostochnoy oblasti.
(Soviet Far East--Leptospira)

ESKIN, V.A.; KRAMINSKAYA, N.N.; IZOTOV, P.V.; SOLDATOV, G.M.

Leptospirosis in muskrats in the Maritime Territory. Soob.DVFAH
SSSR no.11:159-161 '59. (MIRA 13:11)

1. ~~73~~-ya virusologicheskaya laboratoriya Dal'nevostochnoy oblasti.
(Maritime Territory--Muskrats--Diseases and pests)
(Leptospira)

DANDUROV, Yu.V.; BUDRIN, B.S.; ESKIN, V.A.

Etiology of the outbreak of Japanese encephalitis in 1959 in
Khasan District. Trudy VladIFMG no.2:32-37 '62.

(MIRA 18:3)

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; SEL'YANIN, V.G.; TARTAKOVSKIY, B.N.; Prinsipali uchastiye: PCHELKIN, G.D., inzh.; ~~ESKIN, V.S.,~~ inzh.; SHARKOV, A.M., kand. tekhn. nauk; BORISYUK, R.F., inzh.; ABDUFATTAKHOV, A.A., inzh.; ANDRIYENKO, A.F., inzh.; KTITOROV, P.M., inzh.; GLUSKIN, L.I., inzh.; LEVCHENKO, N.K., inzh.; GAVRILYUK, I.I., inzh.; SHPEKTOROV, Yu.Z., inzh.; KOCHERGA, N.T., red.; GORKAVENKO, L.I., tekhn. red.

[New technical methods and equipment in open-pit mining of mineral deposits] Novaia tekhnologiya otkrytoi razrabotki mestorozhdenii poleznykh iskopaemykh. Pod obshchei red. M.G.Novozhilova. Kiev, Gos.izd-vo tekhn. lit-ry USSR, 1961. 205 p. (MIRA 15:5)

(Strip mining)

NOVOZHILOV, M.G., prof.; SEL'YANIN, V.G., kand. tekhn. nauk; ESKIN, V.S.
ESKIN, V.S., inzh.

Efficient open-pit mining systems used in "Yazovskoye" natural
sulfur deposit. Izv. vys. ucheb. zav.; gor. zhur. no.5:9-17
'61. (MIRA 16:7)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy
institut imeni Artema. Rekomendovana kafedroy razrabotki
rudnykh mestorozhdeniy i otkrytykh rabot.
(Ukraine---Sulfur mines and mining)

NOVOZHILOV, M.G., prof., doktor tekhn.nauk; TARTAKOVSKIY, B.N., kand.tekhn.
nauk; ESKIN, V.S., inzh.; KOLESNIK, A.N., inzh.

New technological layouts for using the open-pit method to
work Ukrainian manganese ore deposits. Gor. zhur. no.9:12-16
S '63. (MIRA 16:10)

1. Dnepropetrovskiy gornyy institut.

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., kand.tekhn.nauk; ESKIN, V.S.,
inzh.; SOLODOVNIK, L.M., inzh.; ROYZEN, Ya.Sh., inzh.

Substantiating the efficient limits for strip mining horizontal
deposits with the use of continuous-operation equipment. Izv.vys.
ucheb.zav.;gor.zhur. 7 no.7:3-7 '64. (MIRA 17:10)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut
imeni Artema. Rekomendovana kafedroy otkrytykh gornykh rabot.

NOVOZHILOV, Mikhail Galaktionovich, doktor tekhn. nauk;
TARTAKOVSKIY, Boris Nusimovich; ESKIN, Vladimir
Samuilovich

[Continuous techniques in open-cut mining of deposits;
theoretical bases] Potochnaia tekhnologiya otkrytoi raz-
rabotki mestorozhdenii; teoreticheskie osnovy. Kiev,
Naukova dumka, 1965. 249 p. (MIRA 18:9)

ESKIN, V.S., 1966.

Use electronic computers for the determination of parameters of a
transportation and dumping system in mining. Izv. vyz. ucheb. zap.,
gor. zhur. 8 no.2:106-109 '66. (MIRA 1615)

1. Dnepropetrovskiy ordena "rudovog" vna-rogo "nauchn" gornyy institut
imena Artema.

NOVOZHILOV, M.G., doktor tekhn. nauk; TARTAKOVSKIY, B.N., kand. tekhn.
nauk; ESKIN, V.S.; SEREDA, G.L.; ROYZEN, Ya.Sh.

Main trends in the technology of strip mining in the mines of
the Pokrovskiy Mining and Ore Dressing Combine. Met. i gornorud.
prom. no.4:60-64 J1-Ag '65. (MIRA 18:10)

NOVCHILOV, M.G., doktor tekhn. nauk; TARTAKOVSKIY, B.N., kand.
tekhn. nauk; ESKIN, V.S., kand. tekhn. nauk; KORSUNSKIY, G.Ya.,
inzh.

Parameters of an efficient flow-sheet for mining with belt
conveyor transportation. Ugol' Ukr. 10 no. 1:20-24
Ja '66. (MIRA 18:12)

1. Dnepropetrovskiy gornyy institut.

ESKIN, V. Ya.

PEN'KOV, M. A., klin. ord.; ESKIN, V. Ya., klin. ord.

Attachment for a large non-reflex ophthalmoscope for calibrometry of the retinal vessels. Vest.oft. 34 no.1:34-37 Ja-F '55 (MLRA 8:4)

1. Iz kafedry glaznykh bolezney (zv.zasl. deyatel' nauki prof. O. A. Dudinov) Kirgizskogo meditsinskogo instituta.
(OPHTHALMOSCOPY, apparatus and instruments, additional device to ophthalmoscope for retinal vessels measurement)
(RETINA, blood supply, vessel caliber measurement, additional device to ophthalmoscope)

AZHIBAYEV, K.A.; ESKIN, V.Ya.; FRENKEL', Georgiy L'vovich, red.

[Physical and physiological causes for increased electrical danger in mountainous and hot countries; with a description of the "DPA-1" defibrillator] Fizicheskie i fiziologicheskie prichiny povysheniya elektroopasnosti v gornykh i zharkikh stranakh; s prilozheniem opisanija defibriliatora "DPA-1." Frunze, Izd-vo Akad.nauk Kirgizskoi SSR, 1960. 69 p.

(MIRA 13:12)

(ELECTROPHYSIOLOGY)

(MEDICAL INSTRUMENTS AND APPARATUS)

ESKIN, V.Ya., mladshiy nauchnyy sotrudnik; KLIMOV, A.M., inzh.

"DPA-2" defibrillator; a portable defibrillator with an autonomous power supply. Vop.elektropat.i elektrotrav. l:41-49 '61.

(MIRA 15:10)

1. Iz laboratorii biofiziki (zav. - kand.med.nauk K.A.Azhibayev, nauchnyy rukovoditel' - chlen-korrespondent AN Kirgizskoy SSR prof. G.L.Frenkel') Instituta krayevoy meditsiny (direktor - kand.med. nauk M.A.^liyev) AN Kirgizskoy SSR i Frunzenskogo zavoda fizicheskikh priborov (glavnyy inzh. - Yu.K.Pogrebinskiy, direktor - M.Z.Fedorov).

(CARDIOLOGY--EQUIPMENT AND SUPPLIES)

MISHCHENKO, I.K., aspirant; ESKIN, V.Ya., mladshiy nauchnyy sotrudnik

"KS-1" cardiosynchronizer and its use in experimental electro-
pathology. Vop.elektropat.i elektrotrav. 1:51-59 '61.

(MIRA 15:10)

1. Iz laboratorii biofiziki (rukovoditel' - kand.med.nauk K.A.
Azhibayev, nauchnyy konsul'tant - chlen-korrespondent AN Kirgizskoy
SSR prof. G.L.Frenkel') Instituta krayevoy meditsiny (direktor -
kand.med.nauk M.A.Aliyev) AN Kirgizskoy SSR.

(ELECTRICITY, INJURIES FROM)
(CARDIOLOGY--EQUIPMENT AND SUPPLIES)

ESKIN, V.Ya.; KLIMOV, A.M.

The DPA-3 Defibrillizer. Vop. Elektropat., Elektrotravm. i
Elektrobezop. 3:75-85 '62. (MIRA 16:12)

1. Iz laboratorii biofiziki (rukovoditel' - kand. med. nauk
K.A. Azhibayev, nauchnyy konsul'tant - chlen-korrespondent AN
Kirgizskoy SSR prof. G.L. Frenkel') Instituta krayevoy meditsiny
(dir. - kand. med. nauk M.A. Aliyev) AN Kirgizskoy SSR i
Frunzenskogo zavoda fizicheskikh priborov (glavnyy inzhener-
Yu. K Pogrebinskiy, dir. - M.Z. Fedorov).



ESKIN, V, YE.

PA 9/49T87

USSR/Physics
Refraction, Double
Relaxation Phenomena
Jul 48

"Acoustical Double Refraction and the Relaxation
Time of Liquids," V. N. Tsvetkov, V. Ye. Eskin,
Phys Inst, Leningrad State U, 8 pp

"Zhur Ekspier i Teoret Fiz" Vol XVIII, No 7

Study of relationship of acoustic double refraction in linseed oil to intensity of ultrasound for various given frequencies; character of acoustic double refraction in a series of low molecular liquids, as well as in eight liquids in frequency interval 0.9×10^6 -- 11.1×10^6 sec⁻¹. Notes relaxation phenomena in

9/49T87

USSR/Physics (Contd) Jul 48

four of liquids. Approximate times of relaxation for molecules of castor oil and mineral vacuum oil found to be: 1.5×10^{-7} sec and 4.5×10^{-8} sec.

9/49T87

ESKIN V.YC.

RELAXATION EFFECTS IN LIQUIDS IN SUPERSONIC FIELDS. V. N. TOVSTIKOV AND V. E. ESKIN. *Doklady Akad. Nauk S.S.S.R.* 20, 1029-30 (1962). — The acoustic birefringence B , in a supersonic field of const. intensity, was detd. relative to that of linseed oil (of viscosity $\eta = 0.46$ poise) taken as a standard at all frequencies from 0.9×10^3 to 11.1×10^3 sec.⁻¹ for 7 liquids of different η : castor oil (I) ($\eta = 0.94$), ethyl acetate (II) (0.37), sunflower oil (III) (0.37), vacuum cleaner oil (IV) (2.2), motor oil (V) (0.1), polymerized sunflower oil (VI) (0.26), and a higher polymerized sunflower oil (VII) (4.7). The ratio m of the B of the liquid investigated and of linseed oil was found practically independent of the frequency ω for the low- η liquids I-III, and equal to the ratio m_0 of the low birefringence; hence, for these liquids, B is a linear function of ω . The deviation from linearity in the case of IV-VII indicates relaxation effects. The relaxation times τ , calcd. by $\tau = (1/\omega) \sqrt{(m_0/m)^2 - 1}$ vary, with ω from 6.7 to 69.8×10^{-7} sec., for V between 1.15×10^{-7} (av. 1.5×10^{-7} sec.) for IV between 2.45 and 6.85 (av. 4.5×10^{-7} sec.), for VII between 2.75 and 6.85×10^{-7} sec.; only in the latter case does one observe a systematic fall of τ with increasing ω , indicative, no doubt, of the presence of several τ , owing to polydispersity of the system. N. Three

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COMMON ELEMENTS

COMMON VARIABLE MARKS

OPEN

MATERIALS INDEX

ADD-514 METALLURGICAL LITERATURE CLASSIFICATION

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FROM SYMBOL

QUALITY

DATE

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

SKIN, V. Ye

Relaxation of the enforced anisotropy in liquids.
 V. N. Tavetkov and V. B. Bakin. *Doklady Akad. Nauk S.S.S.R.* 67, 287-9 (1949); *ibid.* C.A. 43, 3661d. — The dependence of the orientation relaxation time τ on the viscosity η was detd. by measurements of the acoustic and the flow birefringence of castor oil, pure at different temps. or dissd. with gasoline at a const. temp., relative to linear oil as standard liquid, with the aid of the formula $\tau = (1/\omega) [(m_0/m)^2(1 + \omega^2\tau_0^2) - 1]^{1/2}$, where $\omega = 2\pi\nu$ is the frequency ν , m_0 is the same ratio in flow birefringence of the standard liquid; if $\omega\tau_0 \ll 1$, the formula simplifies to $\tau = (1/\omega) [(m_0/m)^2 - 1]^{1/2}$, exptly. found to be sufficient except at $\omega = 70 \times 10^3$. On variation of η by varying the temp. of pure castor oil, the results were, at 16, 20, 25, 30, 40, 50°, $\tau = 17.10, 9.40, 6.37, 4.81, 2.41, 1.27$ poises, and $10^4 \tau$ (av.) = 23.0, 17.1, 11.7, 8.9, 4.2, 1.6 sec. At the const. temp. of 20°, with the castor oil dissolved in gasoline at the concn. of 10% (pure oil), 95.8, 83.2, 89.1, 86.1, 83.7, 80.1, 76.0%, $\eta = 9.45, 6.72, 5.43, 3.87, 2.81, 2.17, 1.69, 1.26$ poises, 10^4 (av.) = 17.0, 11.1, 7.4, 5.3, 3.8, 2.8, 2.2, 1.7 sec. At a given η , the fluctuations of τ with varying ω do not exceed the limits of exptl. error. This indicates that the orientation relaxation can be described in terms of one single τ (monodisperse system). The coeff. of rotational friction of the mol., $W = kT/\eta D$, where the rotational diffusion coeff. of the mol. $D = 1/\rho r^2$, calcd. from the data

at different temps., is fairly const., $3.2 \times 10^{-11} - 4.6 \times 10^{-11}$, without any systematic variation in terms of η or the temp. Consequently, temp. changes of the "microscopic" τ (that involved in the definition of W) coincide with those of the "macroscopic" (i.e. viscosimetric) η . This coincidence is not fulfilled in the case of variation of τ , where the fluctuations of W exceed the limits of exptl. error. At 50°, $\eta = 1.27$ poise, $\tau = 16 \times 10^{-11}$, i.e. only 4 times greater than the value detd. for CHCl_3 from Kerr-effect measurements (Hanle and Maercks, C.A. 34, 3148); for castor oil, extrapolation to $\eta \sim 0.006$ poise would give $\tau = 6 \times 10^{-11}$, i.e. $1/3$ of the value for CHCl_3 . On the other hand, for CHCl_3 from dielec. losses, $W \sim 8 \times 10^{-11}$, comparing with $W \sim 4 \times 10^{-11}$ for castor oil; the agreement is satisfactory if the elongated form and the much larger vol. of the ricinoleic acid triglyceride mol. are taken into account. Thus, the relaxation time of optical anisotropy of liquids, detd. by acoustic birefringence, is in agreement with that derived from measurements of dielec. losses, but not the value calcd. from the Kerr effect.
 N. Thou

AIN-55A METALLURGICAL LITERATURE CLASSIFICATION

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ESKIN, V. E., ALDOSHIN, V. G., KALISTOV, O. V., and TSVETKOV, V. N.

"Some problems in the lightscattering of solutions," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Polymer Research Inst.

B-3,084,395

ESKIN, V.S., inzh.; KIRILYUK, V.D., inzh.

Efficient operating layout for a continuous haulage and spoil disposal machine unit. Izv. vys. ucheb. zav.; gor. zhur. 6
no.6:35-38 '63. (MIRA 16:8)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy otkrytykh gornyykh rabot.

(Transporter bridges)

AUTHOR: Eskin, V.Ye. SOV/57-23-7-17/35

TITLE: Photoelectric Nephelometer (Fotoelektricheskiy nefelometr)

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1958, Vol. 28, Nr 7,
pp. 1459 - 1466 (USSR)

ABSTRACT: The photoelectric nephelometer is described. It is an experimental equipment destined for the investigation of the angular distribution in the light diffusion of polymer solutions. The equipment was produced at the Laboratory for Polymer Solutions at the Institute for High Molecular Compounds of the AS USSR. A general description of the device, of the photoelectric and of the optical part is given. The basic characteristics of the calibration and of the work with the plant are given. The sequence of the measurements of the angular distribution in the case of the light diffusion of the solution is shown and the determination of the absolute values of the diffusion intensities is described. The latter are determined according to the standard. A polished cylindrical block of organic glass serves as standard. The diffusion of every solution is compared to the diffusion of the standard. The cuvette

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