

Ishunin, G. I.

USSR/Geophysics - Temperature

Card 1/1 Pub. 77 - 23/23

Authors : Ishunin, G. I., Cand. Biol. Sci.

Title : The highest temperature on earth

Periodical : Nauka i Zhizn' 21/10, page 48, Oct 1954

Abstract : In answering a question from a reader it is explained that an extreme air temperature of 70°C is not found anywhere on the earth, that such a figure is obtained by placing the thermometer on an object directly heated by the sun's rays. The maximum air temperature recorded was 58° at a place in Tripoli.

Institution : ...

Submitted : ...

ISHUNIN, G. I.

Influence of the severe winter of 1953-1954 on the deers of Biryuchiy Island (Sea of Azov) [with English summary in insert].
Zool. zhur. 35 no. 9:1410-1414 S '56. (MLRA 9:12)

1. Azovo-Sivashskiy gosudarstvennyy zapovednik.
(Biryuchiy Island--Red deer)

ISHUNIN, G.I.

Danger of snake bite in the U.S.S.R. Izv. AN Turk. SSR no. 4:64-68
'59. (MIRA 13:8)

1. Azovo-Sivashskiy gosudarstvennyy zapovednik.
(Snakes) (Venom)

ISHUNIN, G.I., kand.biol. nauk

Protecting the white-clawed bear (*Ursus arctos leucenyx* Sev.)
in the mountains of Uzbekistan. Priroda 48 no.6:56 Je '59.
(MIRA 12:5)

1. Institut zoologii i parazitologii AN Uzbekskoy SSR, Tashkent.
(Uzbekistan--Bears)

ISHUNIN, G.I., kand.biolog.nauk

Free propagation of deer on the Biryuch Island (Azov Sea). Trudy
"Ask.-Nov." 8:132-154 '60. (MIRA 14:4)
(Azov sea region--Deer)

ISHUNIN, G.I.

Life of the argali *Ovis ammon severtzovi* Masonov in the
monadnocks of the central Kyzyl Kum. Zool. zhur. 39 no. 10:1581-
1583 0 '60. (MIRA 13:11)

1. Institute of Zoology and Parasitology, Academy of Sciences
of the Uzbek S.S.R.
(Ak-Tau--Argali)

ISHUNIN, G.I. (Tashkent)

Mynah in the Kyzyl-Kum. Priroda 49 no.11:109 N '60.(MIRA 13:11)
(Kyzyl-Kum--Mynahs)

ISHUNIN, G.I.; ZAKHIDOV, T.Z., akademik, red.; KANASH, O.A., red.;
GOR'KOVAYA, Z.P., tekhn. red.

[Fauna of the Uzbek S.S.R.] Fauna Uzbekskoi SSR. Tashkent, Izd-
vo Akad. nauk Uzbekskoi SSR. Vol.3. [Mammals (carnivores and
ungulates)] Mlekopitaiushchie (khishchnye i kopytnye). 1961.
229 p. (MIRA 15:3)

1. Akademiya nauk Uzbekskoy SSR (for Zakhidov).
(Uzbekistan—Carnivora) (Uzbekistan—Ungulata)

ISHUNIN, G.I.

Otter in Uzbekistan. Zool. zhur. 40 no.11:1745-1746 N '61.

(MIRA 14:11)

1. Institute of Zoology and Parasitology, Academy of Sciences
of the Uzbek S.S.R., Tashkent.

(Tupalangdar'ya Valley--Otters)

ISHUNIN, G.I.; MAKSIMOV, B.N.

Food of the carrion crow in the coastal area of the Amu Darya
Delta. Ornitologia no.5:276-280 '62. (MIRA 16:2)
(Amu Darya Delta region--Crows)
(Amu Darya Delta region--Birds--Food)

ISHUNIN, G.I.

Feeding habits of pewit in the Siwash Lake region. Ornitho-
logia no.6:471-472 '63. (MIRA 17:6)

ISHUNIN, G.I.

Feeding habits of foxes in Uzbekistan. Zool. zhur. 42 no.10:
1567-1573 '63. (MIRA 16:12)

1. Institute of Zoology and Parasitology, Academy of Sciences of
the Uzbek S.S.R., Tashkent.

ISHUNIN, G.I.

Feeding habits of little owl in the Aral-Paygambar Preserve (Uzbekistan). Ornitologia no.7:471-472 '65.

(MIRA 18:10)

ISHUNIN, G.I.

Food of foxes in northern Kyzyl Kum. Uzb. biol. zhur. 9
no. 6:50-52 '65 (MIRA 19:1)

1. Institut zoologii i parazitologii AN UzSSR. Submitted
March 26, 1964.

ISHUNIN, G.I.

Biology of the chaus of southern Uzbekistan. Zool. zhur. 44
no.4:630-632 '65. (MIRA 18:6)

1. Institut zoologii i parazitologii AN UzbSSR, Tashkent.

BORISOV, A.V., inzh.; ISHUNIN, N.N.

Operational control of the construction of an industrial
complex by the graphic work schedule. Prom. stroi. 43 no.10:
4-7 '65. (MIRA 18:11)

SAVITSKIY, A.V., otv. red.; ISHUNINA, L.S., red.; LAVRENT'YEVA, L.G.,
tekhn. red.

[Analysis of the practice of driving horizontal development
workings] Analiz opyta provedeniia gorizonta'nykh podgotovitel'-
nykh vyrabotok; sbornik statei. Moskva, 1962. 39 p.

(MIRA 16:9)

1. Tsentral'nyy institut tekhnicheskoy informatsii ugol'noy pro-
myshlennosti.

(Mining engineering)

НАУМОВ, В.К., канд.техн.наук; ИШУМИНА, Т.А., инж.

Unit for continuous testing of diaphragms at high temperatures.
[Trudy] LMZ no.6:477-479 '60. (MIRA 13:12)
(Diaphragms (Mechanical devices)--Testing)

ISHUMINA, T.A., inzh.

Automatic measurement of condensed water consumption in experimental
steam turbines. [Trudy] LNZ no.6:459-463 '60. (MIRA 13:12)
(Steam turbines) (Liquid level indicators)

ISHUNINA, T. I.

ISHUNINA, T. I. -- "Influence of Furacilin on Phagocytosis." Acad Sci Latvian SSR, Inst of Experimental Medicine, 1952 (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Izvestiya Ak. Nauk Latvyskov SSR, No. 9, Sept., 1955

ISUNINA, T. I.

Antibacterial properties of nitrofuran preparations F-26 and F-74 in vitro. S. Zajeva, L. Aleksejeva, and T. Isujina. *Latsijas PSR Zindigu Akad. Vestis* 1955, No. 4

(Whole No. 93), 115-25 (in Russian) (Latvian summary 125-6).—2-Hydroxyethylsemicarbazone of 5-nitrofurural (F-20) and isonicotinoylhydrazone of 5-nitrofurural (F-74) were bacteriostatic and bactericidal *in vitro* with respect to gram-pos. bacteria, including spores, as well as to gram-neg. microorganisms. *Shigella sonnei* was very sensitive. Activity was higher in acid media. In presence of blood, serum, and pus substances, the activity was diminished but not destroyed.

A. Dravnieks

(2)

ISHUNINA, T. I.

USSR/Microbiology - Microbes Pathogenic for Man and Animals. F
Bacteria. Mycobacteria.

Abs Jour : Ref Zhur Biol., No 22, 1958, 99510

Author : Ishunina, T.I., Vasil'yeva, V.A.

Inst : Institute of Experimental Medicine of the Academy of Sciences, LatvSSR

Title : Effect of Paraaminobenzoic Acid Upon the Immunizing Properties of the Vaccine DCG

Orig Pub : Tr. In-ta eksperim. med. AN Latv SSR, 1957, 15, 17-34

Abstract : Guinea pigs were vaccinated subcutaneously with 1 mg (10,000,000 microbial bodies)-of dry vaccine DCG. Beginning with the 1st day following the vaccination, the animals were injected intramuscularly for a period of three weeks, daily, with 1 ml of 0.1% solution of paraaminobenzoic acid (PABA) or Norsulfazol

Card 1/2

- 102 -

NIKOLAYEV, N.I., otv. red.; LENSKAYA, G.N., zam. otv. red.; PASTUKHOV,
B.N., zam. otv. red.; FENYUK, B.K., zam. otv. red.; ISHUNINA, T.I.,
red.; AKIYEV, A.K., red.; DOMARADSKIY, I.V., red.; DROZHEVKINA,
M.S., red.; ZHOVTTYI, I.F., red.; KOROBKOVA, Ye.I., red.;
KRAMINSKIY, V.A., red.; KRATINOV, A.G., red.; LEVI, M.I., red.;
LOBANOV, V.N., red.; MIRONOV, N.P., red.; PETROV, V.S., red.;
PLANKINA, Z.A., red.; PYPINA, I.M., red.; SMIRNOV, S.M., red.;
TER-VARTANOV, V.N., red.; TIFLOV, V.Ye., red.; FEDOROV, V.N.,
red.; PARNES, Ya.A., red.; PRONINA, N.D., tekhn. red.

[Especially dangerous natural focus infections] Osobo opasnye i
prirodnoochagovye infektsii; sbornik nauchnykh rabot protivov-
chumnykh uchrezhdenii. Moskva, Medgiz, 1962. 271 p.

(MIRA 16:5)

(COMMUNICABLE DISEASES)

NIKOLAYEV, N.I.(Saratov), red.; FENYUK, B.K.(Saratov), red.;
AKIYEV, A.K.(Saratov), red.; LENSKAYA, G.N., red.;
ISHUNINA, T.I., red.; PARNES, Ya.A., red.

[Epidemiology and epizootiology of especially dangerous
infections] Epidemiologiya i epizootologiya osobo opasnykh
infektsii; sbornik nauchnykh rabot protivochumnykh uch-
rezhdenii. Moskva, Meditsina, 1965. 415 p.

(MIRA 18:4)

USSR / Human and Animal Morphology, (Normal and Pathological).
Nervous System.

3

Abs Jour : Ref Zhur - Biol., No 21, 1958, No 97055

Author : Ishupina, V. S.

Inst : Turkmen Agricultural Institute

Title : Centrifugal Nerves of Coronary Vessels of the Heart.

Orig Pub : Tr. Turkmen. s.-kh. in-ta, 1957, 9, 225-233

Abstract : It was demonstrated in experiments on isolated hearts of rabbits and dogs (pups), that by stimulation of nervii vagi with faradic current, a reaction from the side of the coronary vessels (CV) is always absent; this argues that fluctuations of the frequency and power of heart contractions do not mechanically change the diameter of CV. Stimulation of the sympathetic nerve produces narrowing or widening of CV. Aside from centrifugal nerves for heart muscles, in the sympathetic nerve there are vasoconstrictors and vasodilators for CV, which is also confirmed by experiments with the introduction of adrenalin.

Card 1/1

12

Photoelectric method for determining antimony in solder
By I. Ivanchevsky and V. M. Filichev, Zhenskaya Lab. //
No. 201 (1955) -- the manipulator details of the solder

ISHUTCHENKO, Ye.I.; OGIYENKO, V.S.; SHIPUNOVA, V.G.

Potentiometric determination of hydrogen-ion concentration in
nickel electrolytes. Zav.lab. 21 no.2:164 '55. (MLRA 8:6)
(Hydrogen-ion concentration) (Electrolytes)

STAS', I.I., inzh.; ISHUTIN, A.G., inzh.

Standard pipe closer. Stroi.truboprov. 4 no.12:21 D '59.

(MIRA 13:5)

(Pipe)

STAS', I. I. ; ISHUTIN, A.G.

Dismountable spar buoy for measuring waves. Trudy MGI 20^{to}8-69 '60.
(MIRA 13:10)

(Waves)

(Buoys)

STAS', I.I.; ISHUTIN, A.G.

Abyssal, self-contained, photographic recorder of currents.

Okeanologia 2 no.5:898-901 '62.

(MIRA 15:11)

1. Morskoy gidrofizicheskiy institut AN UkrSSR.

(Ocean currents--Measurement)

(Oceanographic instruments)

ACCESSION NR: AP4018059

S/0213/64/004/001/0145/0149

AUTHORS: Stas', I. I.; Ishutin, A. G.; Bakayeva, G. A.

TITLE: On the problem of investigation of long waves

SOURCE: Okeanologiya, v. 4, no. 1, 1964, 145-149

TOPIC TAGS: storm location, ocean wave, storm forecasting, Van Dorn wavegraph, coastal weather station, hydraulic filter, Esterline Angus register, Graafen oceanograph, manometer

ABSTRACT: The authors described the physical configuration of a long-period ocean wavegraph station and discussed qualitatively the methodology of sea-storm location by long-period wave measurement. A long-period wavegraph station was built on the island Kunashir of the South Kurile group. A schematic diagram of the station is shown in Fig. 1 on the Enclosure; the system is named for Van Dorn. Hydraulic pressure differences were relayed through a submerged hose to a hydraulic filter manometric device. The pressure differences were then converted into electric signals and recorded on a time-pressure plot. The recording device used was an Esterline-Angus plotter. Calibration characteristics of the hydraulic filter were presented, along with a schematic diagram of the filter and typical

Card 1/4

ACCESSION NR: AP4018059

long-wave recordings made during trials. Results were compared with those of Yu. N. Sergeyev (1961, Opyt izucheniya voln bol'shikh periodov v more. Uch. zap. Leningr. un-ta, No. 309, Okeanologiya). The authors proposed further study of the joint use of the described stations with weather stations to improve storm prediction. Orig. art. has: 2 sketches, 1 graph, and 1 photograph.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 02

SUB CODE: ES

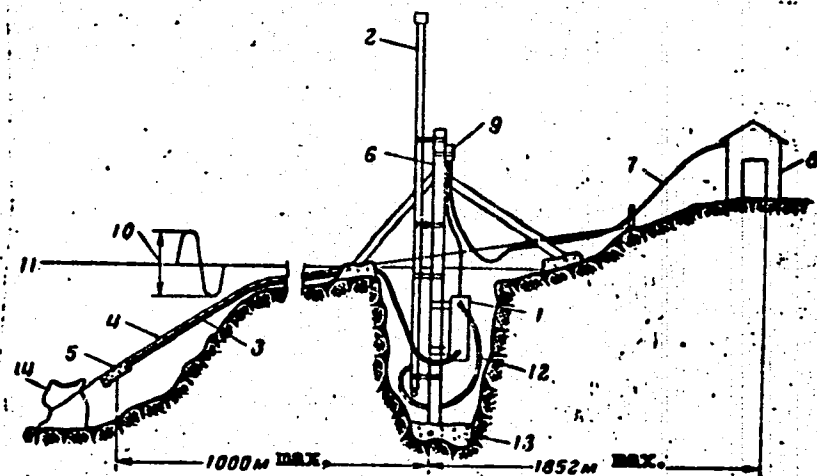
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OTHER: 000

Card 2/4

ACCESSION NR: AP4018059

ENCLOSURE: 01



General view of a long-period wavegraph station.
(to card 4/4)

Card 3/4

ACCESSION NR: AP4018059

(from card 3/4)

ENCLOSURE: 02

1- protective cover and hydraulic filter; 2- brass vertical pipe;
3- hose, suspended on a rope; 4- rope; 5- protecting screen; 6- support
pipe; 7- four-strand cable; 8- place for recording apparatus; 9- electric
cable connection; 10- tidal amplitude; 11- mean sea level; 12- hydraulic
hose; 13- concrete; 14- rock

Card 4/4

ISHUTIN, Mikhail Ivanovich, kand. ekon. nauk; KOGAN, Ye.L.,
red.; NAZAROVA, A.S., tekhn. red.

[National income of the U.S.S.R.] Natsional'nyi dokhod
SSSR. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v
zhizni, nauke, tekhnike. III Seria: Ekonomika, no.1)
(MIRA 17:2)

ISHUTKIN, S.I.; SOKOLOV, L.D.

Horizontal impact machine with rubber block accelerator.
Zav.lab. 31 no.3:379-380 '65. (MIRA 18:12)

1. Gor'kovskiy politekhnicheskii institut im. A.A.Zhdanova.

ISHUTIN, V.V.

Geology, and oil and gas potentials of the northern Ust-Urt trough.
Geol. nefiti i gaza 4 no.10:23-27 O '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh
metodov razvedki.

(Ust-Urt--Petroleum geology)

(Ust-Urt--Gas, Natural--Geology)

ISHUTIN, V.V.; KLEYMER, Yu.M.

Pontiac deposits of Ust-Urt. Dokl. AN SSSR 134 no.2:412-414
S '60. (MIRA 13:9)

1. Aerologicheskaya ekspeditsiya No. 11 Vsesoyuznogo
aerologicheskogo tresta. Predstavleno akad. N.M. Strakhovym.
(Ust-Urt--Geology, Stratigraphic)

VOL'VOVSKIY, B.S.; VOL'VOVSKIY, I.S.; ISHUTIN, V.V.

Results of the regional seismic studies in the central Kara-Kum.
Trudy VNIGNI no.35:162-166 '61. (MIRA 16:7)
(Kara Kum--Seismic prospecting)

AMURSKIY, G.I.; GABRIELYANTS, G.A.; DIKENSHTEYN, G.Kh.; ISHUTIN, V.V.;
SPIKIN, V.A.

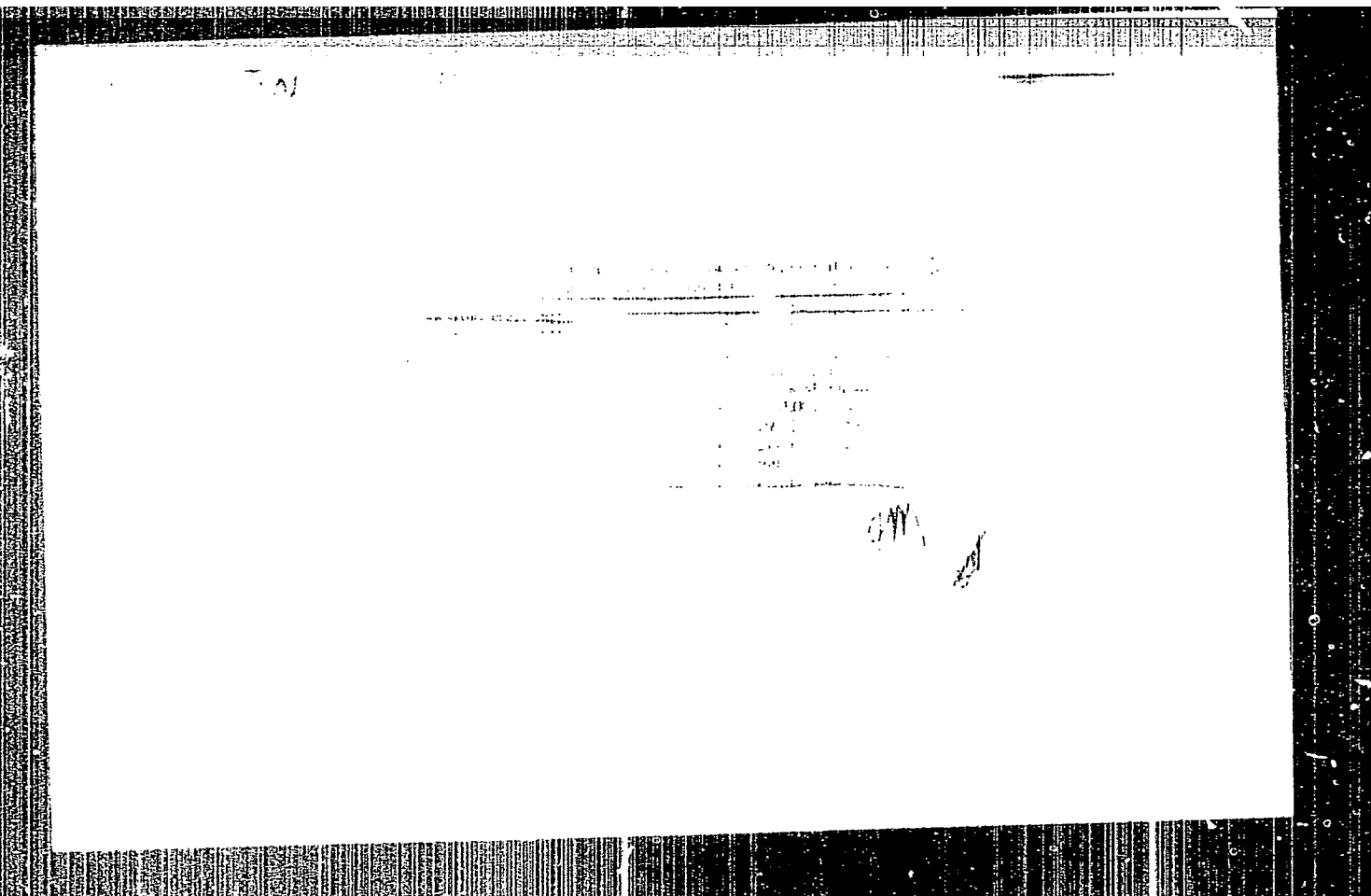
Marginal flexural-fault zone of the central Kara Kum arched
uplift. *Biul.MOIP.Otd.geol.* 37 no.5:132-134 S-O '62. (MIRA 15:12)

(Kara-Kum--Faults (Geology))

VOL'VOVSKIY, B.S.; VOL'VOVSKIY, I.S.; ISHUTIN, V.V.; SEMENOVICH, V.V.;
TAL'-VIRSKIY, ~~B.S.~~; CHAMO, S.S.

Regional geophysical studies in central Asia and their further trends.
Sov.geol. 6 no.12:112-117 D '63. (MIRA 16:12)

1. Nauchno-issledovatel'skaya sredneaziatskaya geofizicheskaya
ekspeditsiya kontory "Spetsgeofizika" i Uzbekskiy geofizicheskiy
trest.



BARABASHOV, N.P., prof., akad.; YEZERSKAYA, V.A.; YEZERSKIY, V.I.,
kand.fiz.-inst.nauk; ISHUTINA, T.I.

Photometric uniformity of the moon's surface. Izv.Kom.po fiz.
plan. no.1:67-79 '59. (MIRA 13:7)

1. AN USSR (for Barabashov).
(Moon—Surface) (Photometry, Astronomical)

ISSUTINOV, D.V., inzh.

Calculation of velocity fields in the rotor wheel of a compressor. Energomashinostroeni 10 no.5:17-19 My '64.
(MIRA 17:8)

ISHUTINOV, D.V., inzh.; REVZIN, B.S., inzh.

Axial compressor of the GT-750 gas turbine. Energomashinostroenie
10 no.7:45-47 J1 '64. (MIRA 17:9)

L 47078-66 EWT(1)/EWP(f)/T-2 WW

SOURCE CODE: UR/0413/66/000/014/0060/0060

ACC NR: AP6029044

INVENTOR: Ishutinov, D. V.; Michkovskiy, B. A.

ORG: none

TITLE: Centrifugal compressor rotor. Class 27, No. 183877 [announced by the Uralsk Turbomotor Plant (Ural'skiy turbomotorniy zavod)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 60

TOPIC TAGS: centrifugal compressor, compressor rotor, rotor blade, compressor design

ABSTRACT: The proposed centrifugal compressor rotor contains radial blades and an axial inlet guide vanes. In order to improve the aerodynamic charac-

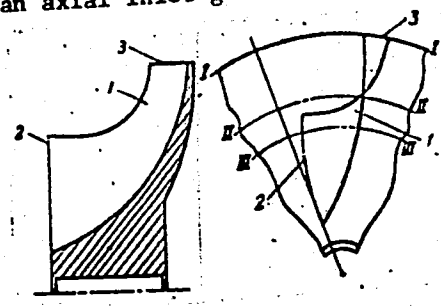


Fig. 1. Compressor rotor

1 - Blade; 2 - leading edge of the blade; 3 - trailing edge of the blade; I-I, III-III - meridional cylindric cross section of the rotor.

Card 1/2

UDC: 621.515.1-253.51

L 47078-66

ACC NR: AP6029044

teristics of the compressor, the rotor blades are made with leading and trailing edges of the blades curved to the side, in direction opposite to the rotor rotation. The profiles in meridional cylindrical cross sections are made in conformance to the arc of the circumference (see Fig. 1). Orig. art. has: 1 figure. [AV]

SUB CODE: 21/ SUBM DATE: 15May64/ ATD PRESS:

Card 2/2 mt

1 62512-03 EPA/EWT(1)/EWT(m)/EWP(w)/EWP(f)/EWG(v)/EWP(v)/T-2/EWP(k)/ETC(m)

ACCESSION NR: AP5018874

UR/0096/65/000/008/0059/0093
621.51:533.6.001.24

AUTHORS: Ishutinoy, D. V. (Engineer); Michkovskiy, B. A. (Engineer)

TITLE: Gas dynamic calculation and profiling of impellers in centrifugal compressors

SOURCE: Teploenergetika, no. 8, 1965, 59-63

TOPIC TAGS: gas dynamics, centrifugal compressor, blade profile, gas flow, flow parameter, turbine design/ TKR 14 compressor

ABSTRACT: An analytic investigation was made of the profiling details of centrifugal compressor impellers. The calculation method consists of the following steps: the shape of the mean streamline is calculated so as to divide the flow into two equal parts. Along this line are distributed all the flow parameters in such a manner that the absolute acceleration vector undergoes a minimum possible change in magnitude as well as in direction. On the basis of equations of motion the coordinates of each elementary shape is determined of a neighboring streamline which is situated at the nearest elementary distance Δn . The flow parameters are calculated along this streamline and the impeller contour is subsequently

Card 1/4

APPROVED FOR RELEASE
ACCESSION NR: AP5018674

determined. The stream-tube surface is defined geometrically in Fig. 1 on the
basis of the following assumptions for the profile calculation are obtained:

where $\beta = c/a^k$,

$$\rho \Delta F = \frac{a^*}{0.74 \rho^* q_{s1} \sin \alpha} \Delta G$$

from mass conservation, and

$$\frac{T^*}{T^*_1} = \frac{1 - ((k-1) M^2 \cos^2 \alpha)_1}{1 - (k-1) M^2 \cos^2 \alpha}$$

$$c = u/a, M = \frac{c}{a}$$

$$\frac{p^*}{p^*_1} = \left(\frac{T^*}{T^*_1} \right)^{\frac{n}{n-1}}$$

A typical compressor TKR-1h is selected, and, by using the above formulae, the flow
parameter distributions are calculated along the mean streamline. The blade
profiles are then calculated from the angle distribution

$$\Delta \beta(\pi, n) = \beta_r + \beta$$

Card 2/4

ACCESSION NR: AP5015874

where β_1 is the geometrical angle of the blade. Expressions are then derived to characterize the compressor,

$$\pi \cdot \eta \left(\frac{u_1}{a_1}; \frac{G}{G_{\max}} \right)$$

where π is the degree of rise in the total pressure and G_{\max} is the maximum possible flow rate through section 1. Orig. art. has: 20 formulas and 6 figures.

ASSOCIATION: Ural'skiy turbomotornyy zavod (Ural Turbine Factory)

SUBMITTED: 00

ENCL: 01

SUB CODE: FR, ME

CLASS: 00

OTHER: 001

Card 3/4

ACCESSION NO: A46015801

EXCISE NO: 01

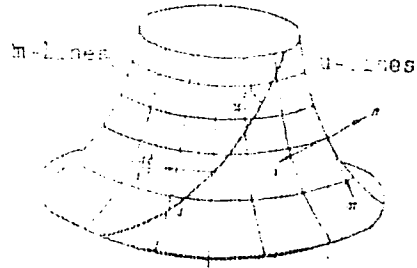


Fig. 1

Card 4/4

ISHUTINOV, D.V., inzh.; POLYAKOV, V.Ya., inzh.; KIRNOS, I.V., inzh.

Results of studying a model of the N-300-1,23 centrifugal supercharger.
Teploenergetika 12 no.5:44-48 My '65. (MIRA 18:5)

1. Ural'skiy turbomotornyy zavod.

KUCHER, G.N.; MILLER, L.Ye., red.; KOVALEV, N.P., red.;
SOVETNIKOVA, V.V., red.; ISHUTINOVA, M.D., red.;
LOGINOVA, Ye.I., tekhn. red.

[Working of nonferrous metals and alloys in capitalist countries] Obrabotka tsvetnykh metallov i splavov v kapitalisticheskikh stranakh. Moskva. Pt.1. [Technical and economic review and the technology of rolling] Tekhniko-ekonomicheskii obzor i tekhnologiya proizvodstva prokata. 1962. 349 p.
(MIRA 16:9)

1. Moscow. Tsentral'nyy institut informatsii tsvetnoy metallurgii.

(Nonferrous metal industries)
(Rolling (Metalwork))

KOROZO, V.I.; LILEYEV, O.V., red.; ISHUTINOVA, M.D., red.

[Rotary hearth furnaces, their operation and adjustment]
Vrashchaliushchiesia pechi i ikh tekhnicheskoe obsluzhi-
vanie. Moskva, 1963. 42 p. (MIRA 17:7)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut
informatsii i tekhniko-ekonomicheskikh issledovaniy tsvet-
noy metallurgii.

LOBANOV, D.P.; BARYSHNIKOV, N.N.; PETROSOV, A.A.; ISHUTINOVA, M.D.,
red.; LOGINOVA, Ye.I., tekhn. red.

[Breaking ore with slim holes] Otboika rudy shpurami malogo
diametra. Moskva, 1963. 50 p. (MIRA 16:10)

1. Moscow. Tsentral'nyy institut informatsii tsvetnoy metal-
lurgii.

(Boring) (Blasting)

GOMEL'SKIY, K.Z.; ISEUTINOVA, N.Ia.; EUGININA, V.F.

Unit for the specification of standard substances for high-temperature calorimetry. Trudy inst.Kom.stand.mer i izm.prib. no.71:101-119 '63.
(MIRA 17:9)

1. Sverdlovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta metrologii im. D.I. Mendeleeva.

GOMEL'SKIY, K.Z.; ISHUTINOVA, N.Ya.; INGININA, V.F.

Investigation of standard substances for high-temperature calorimetry.
Trudy inst.Kom.stand.mer i izm.prib.no.71:120-133 '63.

(MIRA 17:9)

1. Sverdlovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta metrologii im. D.I. Mendeleeva.

L 34856-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) JD

ACC NR: AP6010058

SOURCE CODE: UR/0032/66/032/003/0363/0364

AUTHOR: Ishutkin, S. I.; Sokolov, L. D.

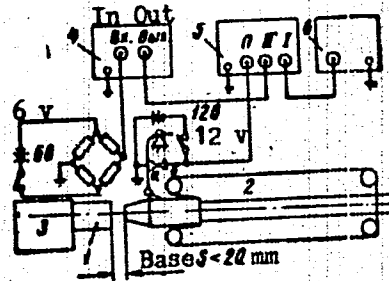
ORG: Gor'kiy Polytechnic Institute im. A. A. Zhdanov (Gor'kovskiy politekhnicheskii institut)

TITLE: Measuring the initial velocity of an impact

SOURCE: Zavodskaya laboratoriya, v. 32, no. 3, 1966, 363-364

TOPIC TAGS: material deformation, plasticity, velocity measuring instrument

ABSTRACT: The development of a new device for measuring initial velocity of a material-deforming tool is reported. The device is intended for studying time characteristics of strain resistance and plasticity of metals under dynamic conditions. The speed way measured by a dynamometric device (see figure) was used by the authors in conjunction with a horizontal impact-testing machine which had



Dynamometric block diagram:
1 - dynamometer; 2 - striking tip; 3 - anvil bed; 4 - broadband amplifier; 5 - oscilloscope; 6 - acoustic generator.

Card 1/2

UDC: 620.178.35

L 34856-66

ACC NR: AP6010058

a rubber striking-tip accelerator. The same device is applicable to any other design of the testing machine. The measuring circuit has two independent parts, one transmitting an amplified signal from the tensometric bridge to the second beam of the oscilloscope and the other turning on the sweep for 3×10^{-6} to 2×10^{-8} sec. Orig. art. has: 2 figures.

SUB CODE: 09, 11 / SUBM DATE: none / ORIG REF: 003

Card 2/2

1. ISHUTKIN, V. I.
2. USSR (600)
4. Lathes
7. Inspection of lathes in the process of operation. Stan. i instr. 24, No. 2, 1953.

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

ISHUTKIN, V.I.

Protection from metal shavings in high-speed cutting. Stan.i instr. 24 no.
7:33-34 JI '53. (MLBA 6:8)

(Metal cutting)

ISHUTKIN, V.I.

Milling with cutters with stepped cutting-teeth. Stan.1 instr. 24 no.12:
35-36 D '53. (MIRA 7:1)

(Milling machinery)

ISHUTKIN, V.I.

123-1-689

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957,
Nr 1, p.104 (USSR)

AUTHOR: Ishutkin, V.I.

TITLE: Precision and Vibrations in Boring Operations with
Single and Double-edge Tool (Tochnost' i vibratsii pri
rastachivani i dvukhlezyynymi instrumentami)

ABSTRACT: Bibliographic entry on the author's dissertation for
the degree of Candidate of Technical Sciences, presented
to the Leningrad Polytechnical Institute, (Leningr.
politekhn. in-t), Leningrad, 1956.

ASSOCIATION: Leningrad Polytechnical Institute (Leningr. politekhn.
in-t).

Card 1/1

ISHUTKIN, V.I.

122-3-17/30

AUTHOR: Ishutkin, V.I., Candidate of Technical Sciences

TITLE: The Heat Expansion of the Tool in the Cutting of Cast Iron (Temperaturnyye deformatsii instrumenta pri rezanii chuguna)

PERIODICAL: Vestnik Mashinostroyeniya, 1957, No.3, pp. 44 - 46 (USSR).

ABSTRACT: Tests carried out at the Engineering Production Laboratory of the Leningrad Institute of Technology (Leningradskiy Politekhnikheskiy Institut) on the finish-machining of cast iron with carbide-tipped tools on a lathe and a boring machine were accompanied by displacement measurements from which the expansion of the tools during cutting could be deduced. The time required for thermal equilibrium was determined experimentally. Plotting the tool expansion against the cutting speed shows a rapid rate of increase beyond a certain speed, when the blunting of the rear edge of the tool changes the process and a large expansion results without reaching an equilibrium even after about 15 min. The threshold between the two speed regions is a certain critical speed and a limiting wear of the cutting tool. With cast iron of 183 Brinell hardness, the limiting wear amounted to 0.5 - 0.6 mm and the critical speed at a depth of cut between 0.5 and 1 mm fell from

Card 1/2

ISHUTKIN, V.I.

Precision of machining on boring machines. Stan.1 instr. 28
no.9:26-37 S '57. (MIRA 10:10)
(Drilling and boring machinery)

25(7) SOV/117-59-2-21/27
AUTHOR: Ishutkin, V.I., Candidate of Technical Sciences
TITLE: The Damping of Vibrations During Operation of a Revolving Tool (Gasheniye vibratsiy pri rabote vrashchayushchimsya instrumentom)
PERIODICAL: Mashinostroitel', 1959, Nr 2, pp 37-38 (USSR)
ABSTRACT: Having stated that a lack of vibration-damping in rotating tools considerably lowers the cutting regime of the tool within the vibration-dangerous work zones, the author describes a percussion vibration-damper with adjustable play, invented by him, and made in two variants RVG-1 (4.25 kg) and RVG-2 (9.8 kg). Both vibration-dampers were tested on boring cast iron and showed better results than the vibration-damper LPI. With the use of the vibration-damper RVG-1, the open length of spindle could be increased by 50-100 mm; with the use of the vibration-damper RVG-2, by 125-175 mm. The application of percussion vibration-dampers on the radial boring

Card 1/2

SOV/117-59-2-21/27

The Damping of Vibrations During Operation of a Revolving Tool

machine "Raboma" with counterbore hard alloy plates resulted in a four-fold speed-up of machining work, better cleanness of the surface and four to five fold stability of the tool. The author recommends the percussion vibration-dampers for application in boring, counter boring, drilling and milling work processes. There are 2 graphs, 4 diagrams and 4 Soviet references.

Card 2/2

ISHUTKIN, Valeriy Ivanovich; LIOZNYANSKIY, M.I., inzh., retsenzent;
IL'NITSKIY, I.I., kand.tekhn.nauk, red.; DUGINA, N.A.,
tekhn.red.

[Adjustment of machine tools] Nastroika metalloreshmahchikh
stankov. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry,
1960. 101 p. (MIRA 14:4)
(Machine-shop practice)

ISHUTKIN, V. I., kand. tekhn. nauk

Reliable machining on boring machines without vibration.
Mashinostroenie no.5:25-27 S-O '62. (MIRA 16:1)

1. Zaporozhskiy mashinostroitel'nyy institut.

(Drilling and boring)

ISHUTKIN, V.I.

Efficient methods for the adjustment of machine tools. Mashino-
stroitel' no.1:42-43 Ja '63. Mashino-
(MIRA 16:2)
(Machine tools)

L 13122-63

EWf(k)/EMP(q)/BDS/EWT(d)/EWT(m) AFFTC Ff-4 JD
S/122/63/000/004/003/006

59

AUTHOR: Ishutkin, V. I.

TITLE: Problem of reliability of a technological system of metal cutting machines

PERIODICAL: Vestnik mashinostroyeniya, no. 4, 1963, 40-43

TEXT: The reliability of metal cutting machines can be estimated by this criterion: the reliability of a technological system which guarantees the necessary quality of the details being machined. The precision of machining is the basic characteristic of the quality of manufactured products. For given conditions of operation of a machine, the reliability of a technological system depends, in a great measure, on the method of adjustment of the machines. Existing methods in industry are characterized by large errors of adjustment, consisting of 50-100% of the tolerance for machining. This is inadequate for the reliability of a technological system. Data are compared for an existing method of adjustment and for an efficient method of adjustment where the number of adjustments (n) are made in a given time interval (Δt_i) in 10 min. increments over 0-60 min. Determination by formula of the probability $\sqrt{P(t)}$ of retention of the stability

Card 1/3

L 13122-63

S/122/63/000/004/003/006

Problem of reliability...

of adjustment for the existing and efficient methods indicate that the reliability of a technological system is higher for the efficient method, but the criterion for the probability of the retention of the stability of the adjustment does not give practical data adequate for estimation of the efficiency of a selected method of adjustment. A more descriptive characterization is given by the criterion of reliability of Tave. (the mathematical expectancy of the time of work of a machine between subadjustments) which is determined by:

$$T_{ave.} = \frac{\sum_{i=1}^m n_i \text{tave. } i}{N_0}$$

where $\text{tave. } i = \frac{t_{i-1} + t_i}{2}$

-- average time in every interval Δt_i .

Card 2/3

L 13122-63

S/122/63/000/004/003/006

Problem of reliability...

n -- number of intervals of time. The productivity of the machines for comparable methods of adjustment depends on the coefficient of use of the equipment, which is the relation of the time of work of the machine between subadjustments to the time of work of the machine between subadjustments plus the time lost for subadjustments of the machine. The accepted criteria of reliability, T_{ave} , and k_u (coefficient of use), most completely characterize the reliability of a technological system and can be used with practical calculations. In industrial conditions, the calculated systems of machining often lead to corrections because of vibrations originating in them. For practical estimation of vibro-stability of a system, criteria of vibro hazard of a system are proposed in the form of a ratio of the depth of cutting to the feed, which can adequately characterize the vibro-stability of a system. There are 6 figures, 1 table, and 7 non-English language references.

Card 3/3

ISHUTKIN, V.I., kand. tekhn. nauk

Using a cam set for multiple machining of fastenings on automatic lathes. Mashinostroenie no.5:24-26 S-0 '63. (MIRA 16:12)

1. Zaporozhskiy mashinostroitel'nyy institut.

ISHUTKIN, V.I., kand. tekhn. nauk; DUMANSKAYA, V.A., kand. tekhn. nauk

Planning efficient group adjustment of automatic machines in
large-lot production. Mashinostroenie no.6:32-33 N-D '64
(MIRA 18:2)

ISHUTKIN, V. I., kand. tekhn. nauk

Increasing the reliability of a technological system. Mashino-
stroitel' no. 11:26-27 N '64 (MIRA 18:2)

IS NOV, L. A.

ISHUV, L.A.

Lichen ruber planus. Vest. vener. No.3:37-38 May-June 50. (GLML 19:4)

1. Of "N" Hospital (Head -- Lt-Col Merkulov)

ISHYMOVA, L.M.

ADO, A.D., professor, zaviduvach; ISHYMOVA, L.M.; AKHMADULLINA, H.H.

Reflex regulation of the phagocytic activity of leucocytes. Medych.shur. 21
no.4:53-57 '51. (MLBA 6:10)

1. Kafedra patolohichnoyi fiziolohiyi Kasans'koho derzhavnogo medychnoho
instytutu. (Phagocytosis) (Leucocytes)

ISIANOV, S

RUMANIA / Farm Animals, Hogs.

U-6

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72108

Author : Isianov, S., Petrenko, A.

Title : Our experiments With Pig Feed.

Orig Pub : Rev. Ind. Aliment. Prod. Animale, 1956, No 1, 17-19

Abstract : No abstract

Card : 1/1

- 37 -

YERMOLOV, L.S.; ISICHENKO, I.A.; POLISSKIY, A.Ya.; TROFIMOV, V.I.;
LAZARENKO, A.I., red.

[Repairing parts of SMD engines] Vosstanovlenie detalei
dvigatelei SMD. [By] L.S.Ermolov i dr. Kiev, Urozhai,
1965. 377 p. (MIRA 18:8)

100 AND 4TH ORDER

111 AND 112 ORDER

PROCESSES AND PROPERTIES INDEX

11 G

Ca

STICHENKO, N. A.

The influence of the amniotic fluid in the development of transplanted tumors and the progress of cancer in tar-workers. N. A. Isichenko and E. N. Filippova. *Ann. roentgenol. radiaz.* (U. S. S. R.) 19, 337-42 (1938); *Chem. Zentr.* 1939, II, 432-3. — A preliminary communication. Subcutaneous injection of amniotic fluid (0.2 cc. per 100 g.) accelerated the growth of transplanted Jensen sarcomas in 93 rats and that of Flesner-Jobling carcinomas in 30 other rats. The same treatment (1 cc. every other day) retarded the development of tar-workers' cancer in 3 rabbits. M. G. Moore

COMMON ELEMENTS

COMMON VARIANTS INDEX

ABB. S. L. A METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

EXACT OR APPROX

100 AND 4TH ORDER

111 AND 112 ORDER

100 AND 4TH ORDER

111 AND 112 ORDER

ISLICHENKO, N. A.

PA 1/50153

USSR/Medicine - Pancreas
Cholesterolin Jul/Aug 49

"Effect of the Lipotropic Factor of the Pancreas on the Cholesterolin Content of the Liver," N. A. Isichenko, Dept of Pathophysiol, Inst of Experimental Endocrinol, Moscow, 3 1/2 pp

"Arch Patol" No 4

LFP (lipotropic factor of the pancreas), when administered in food, retards the accumulation of food cholesterol in the liver, which results from an albumin deficient lipotropic diet. LFP does not have any effect on the cholesterol already present in the liver. LFP has a greater

1/50153

USSR/Medicine - Pancreas (Contd) Jul/Aug 49

effect on the retardation of fat accumulation in the liver than on accumulation of cholesterolin. Chief, Dept of Pathophysiol; Prof S. M. Leytes. Dir, Inst of Experimental Endocrinol; Prof N. A. Eshershevskiy.

1/50153

LEYTES, S.M.; ISICHENKO, N.A.

Action of insulin and lipocaic substances in alloxan diabetes in rich in fat and cholesterol diet. Fiziol. zh. SSSR 38 no.4:500-506 July-Aug 1952. (GLML 23:2)

1. Department of Pathophysiology, All-Union Institute of Experimental Endocrinology, Moscow.

The effect of hormones on pressor and depressor reactions
is related to the state of the central nervous system. N
Ishikawa, *Excerpta Medica Tokyo* 17, No. 1, 18-19
1964. ~~Effects in dogs of intravenous adrenaline~~
The effects of subcutaneous carbacholine are in-
hibited by atropine (I) and yohimbine (II)
but not by phentolamine (III) or the pressor ef-
fects of adrenaline. Caffeine inhibits the de-
pressor effect of carbacholine caused by I or II
I. F. Smith

USSR.

✓ The iodine content of the central nervous system and thyroid gland of the hypophysectomized cats. G. V. Tutasy
1951. A. S. M. Med. Inst. Vinnitsa. *Izv. Eksp. Biol. Med.* 10: 42 (1951). After hypophysectomy the I content of the brains of the animals which were operated on was 41.7% of 100 g, while that of normal animals was 265.6. On the other hand, the I content of the thyroid gland increased as compared with that of normal animals. However, this increase is found only after a long period following the operation. The first few days it is decreased. Despite the eventual increase of the I content of the thyroid gland that of the brain remains low which emphasizes the very important role played by the hypophysis in the metabolism of I in the central nervous system. A. S. M.

Chernomirsky

ISICHEKO, N.A. (Moskva)

Effect of testosterone propionate, synestrol, and castration on conditioned reflex increase in arterial blood pressure in dogs. Probl. endokr. i gorm. 1 no.2:67-73 Mr-Apr '55.

(MLRA 8:10)

1. Iz otdela patofiziologii (sav.-prof. S.M. Leytes) Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir.-prof. Ye. A. Vasyukova)

(CASTRATION, experimental,

eff. on blood pressure in dogs, conditioned reflex mechanism)

(TESTOSTERONE, effects,

on blood pressure in dogs, conditioned reflex mechanism)

(ESTROGENS, effects,

synestrol, on blood pressure in dogs, conditioned reflex mechanism)

(BLOOD PRESSURE,)

13140460 1411
ISICHENKO, N.A.; GINCHERMAN, Ye.Z., (Moskva)

Neural factor in the pathogenesis of experimental adrenal hypertension. Probl.endokr. i gorm. 1 no.4:60-65 J1-Ag '55.
(MLRA 8:10)

1. Iz otdela patofiziologii (zav.--prof. S.M.Leytes)
Vsesoyuznogo instituta eksperimental'noy endokrinologii
(dir.--prof. Ye.A.Vasyukova)

(HYPERTENSION, experimental,
adrenal, neural factors)

(NERVOUS SYSTEM, in various diseases,
exper. adrenal hypertension)

(ADRENAL CORTEX,
exper. adrenal hypertension, neural factors)

ISICHENKO, N. A.

USSR/Human and Animal Physiology - Internal Secretion.

V-7

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8815

Author : N.A. Isichenko

Inst :

Title : The Effect of Injecting Thyroidine and Blocking Thyroid Function on Conditioned Reflex Rise in Blood Pressure

Orig Pub : Probl. endokrinol. i gormonoterapii, 1955, 1, No 4, 89-95

Abstract : A conditioned pressor reflex was induced in 5 dogs to increased pressure in the carotid artery in association with the injection of adrenalin. The injection of small doses of thyroidine (0.05 g/kg for a period of 7 days) produced in 4 out of 5 dogs an increase in the conditioned pressor reflex with subsequent hastening of its extinction. Large doses (0.5 g/kg) resulted a weakening of the conditioned pressor reflex with subsequent inhibition of its extinction. The injection of methylthiouracil (60 mg/kg for a period of 20 days) suppressed the evolution of the

Card 1/2

EXCERPTA MEDICA *ISSITCHENKO, N. A.* Sec.2 Vol.9/11 Physiology, etc. Nov56

5213. ISSITCHENKO N. A. Inst. of Exp. Endocrinol., USSR. *The influence of testosterone propionate, synoestrol and castration upon the conditioned reflex rise of arterial blood pressure in dogs (Russian text) PROBLEMS ENDOCR. HORMONOTHERAPY 1955, 2/2 (67-73) Tables 3

In male and female dogs with the carotid artery exposed in a skin-flap, a conditioned reflex was produced on the rise of arterial blood pressure induced by a hypodermic administration of adrenaline (2-3 ml. of 1:1,000 sol.). The magnitude of the conditioned pressor reflex and its extinction were investigated: (a) before

and after the administration of testosterone propionate and synoestrol; (b) before and after castration (from 6 weeks to 15 months) and (c) before and after administration of testosterone propionate and synoestrol to castrated animals. Administration of testosterone to male animals raised the magnitude of the conditioned pressor reaction and speeded up its extinction. In females the administration of synoestrol induced a lessening of the conditioned pressor reaction. In certain periods after the castration the level of the conditioned pressor reflex came down with males as well as with females; then again (5-10 months later) it was restored to the previous level. The administration of sex hormones to the castrated males and females had a normalizing influence upon the deflections observed after castration.
Tendler - Leningrad (III, 2)

Isichenko, N. A.

USSR/Human and Animal Physiology - Blood Circulation.

V-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3992

Author : N.A. Isichenko

Inst : -

Title : The Effect of the Adrenocorticotropic Hormone and of Cortisone on the Conditioned-Reflex Increase of Blood Pressure in Dogs.

Orig Pub : Probl. endocrinol. i gormonoterapii, 1956, 2, No 5, 19-24.

Abstract : The conditioned-reflex pressor reaction was studied in 10 dogs after subcutaneous administration of adrenalin and of an "indifferent" stimulator. Dogs which, during 6 - 8 days, had received cortisone or ACTH (and whose blood pressure was therefore increased) showed a markedly less pronounced of the conditioned pressor reflex and a slower return to normal.

Card 1/1

YASUKOVA, Ye. A.

"Gas Exchange in Rats of Different Ages in a State of "Stress" Produced by Overcooling, and the Effect of ACTH and Cortisone on it."

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

From the Department of Pathophysiology (Head-Professor S. M. Leytes) of the All-Union Institute of Experimental Endocrinology (Director--Professor Ye. A. Vasyukova)

ISICHENKO, N.A., starshiy nauchnyy sotrudnik (Moskva)

Effect of hormone preparations of the pituitary and cortisone on gas exchange in rats. Probl.endok.i gorm. 5 no.6:24-29 N-D '59.

(MIRA 13:5)

1. Iz otdela patofiziologii (zav. - prof. S.M. Leytes) Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova).

(RESPIRATION pharmacol.)

(PITUITARY GLAND ANTERIOR hormones)

(CORTISONE pharmacol.)

ISICHENKO, N.A.

Effect of ACTH and cortisone on gas exchange in rats of various
ages in stress caused by supercooling. Probl. endok. i gorm. 7
no.1:16-20 '61.

(STRESS (PHYSIOLOGY))

(MIRA 14:3)

(ACTH)

(CORTISONE)

(RESPIRATION)

(AGING)

ISICHENKO, N.A.; AL'KHIMENYUK, V.P. (Moskva)

Gas exchange in rats of various ages under the influence of
overchilling. Pat. fiziol. i eksp. terap. 5 no.4:47-50 JI-Ag
'61. (MIRA 14:9)

1. Iz otdela patofiziologii (zav. - prof. S.M.Leytes) Vsesoyuznogo
instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A.
Vasyukova).

(GOLD—PHYSIOLOGICAL EFFECT)

(RESPIRATION)

ISICHENKO, N.A., starshiy nauchnyy sotrudnik (Moskva)

Effect of a somatotropic hormone of the jypophysis on gas exchange in rats of different ages in the recovery period after hypothermia. Probl.endok.i gorm. no.4:29-34 '62. (MIRA 15:11)

1. Iz otdela patofiziologii (zav. - prof. S.M. Leytes) Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova).
(SOMATOTROPIN) (HYPOTHERMIA) (RESPIRATION)

ISICHENKO, N.A.; LIZUNKOVA, L.P. (Moskva)

Method of determining gas exchange in small animals. Probl.
endok. i gorm. 9 no.3:50-54 My-Je '63. (MIRA 17:1)

1. Iz otdela patofiziologii (zav. - prof. S.M. Leytes)
Vsesoyuznogo instituta eksperimental'noy endokrinologii
(dir. - prof. Ye.A. Vasyukova).

ISICHENKO, N.A.

Effect of hypophysial somatotropic hormone on gas exchange in
animals with experimental obesity. Probl. endok. i gorm. 10 no.1:
57-59 Ja-F '64. (MIRA 17:10)

1. Otdel patofiziologii (zav. - prof. L.M. Gol'ber) Vsesoyuznogo
instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A.
Vasyukova).

SINITSYNA, A.L.; KEDA, Yu.M.; ISICHENKO, N.A.; BOGACHEVA, I.D.

Effect of pepsin on the fat-mobilizing and growth activity of the bull and swine growth hormone. Probl. endok. i gorm. (MIRA 18:12)
11 no.6:56-58 N-D '65.

1. Laboratoriya biokhimii (zav. - doktor biolog. nauk Ye.A. Kollit'),
laboratoriya patofiziologii (zav. - prof. L.M. Gol'ber), labora-
toriya farmakologii (zav. - kand. biolog. nauk A.I. Briskin)
Instituta eksperimental'noy endokrinologii (ispolnyayushchiy
obyazannosti direktora - prof. L.M. Gol'ber) AMN SSSR, Moskva.

ISTICHENKO, V.M., inzh.

Reducing the degree of difficulty and the cost of drifting by
means of improved boring and blasting operations. Sbor. DonUGI
no.32:118-127 :63. (MIRA 17:10)