

IVANOV, K.

Hydrofacieses of the water of the rivers in Bulgaria. Trud Inst
khidro meteor no.12:143-167 '62.

IVANOV, Kalcho, inzh.

Hydrochemical characteristics of the rivers in small-catchment areas,
and their suitability to irrigation. Khidrotekh i melior 7 no.8:235-
237 '62.

IVANOV, K., inzh.

Hydromechanical characteristics of the lakes of Rila in summer.
Priroda Bulg 12 no.2:44-48 Mr-Ap '63.

IVANOV, K.

Hydrochemical characteristics of the rivers from the small catchment areas. Trudy Inst khidro meteor 14:163-182 '63.

GIMEL'FARB, N.; IVANOV, K.

Mechanization of the conveying and drying of waterfowl feathers.
Mias ind SSSR 34 no. 6:36-37 '63. (MIRA 17:5)

1. Mogilevskiy myasokombinat.

IVANOV, Kalcho, inzh.

Temperature conditions of the lakes of Rila Mountains in summer.
Priroda Bulg 13 no.4:74-77 J1-Ag '64.

IVANOV, K.

Tested by practice. Stroitel. izdel. i konstr. 2 no.5:23-25 My '56.

(MIRA 9:8)

(Belgorod--Asbestos cement)

IVANOV, K., inzh. po tekhnike bezopasnosti

By common effort. Okhr.truda i sots.strakh. 6 no.2:26-27 F '63.
(MIRA 16:2)

1. Kishinevskiy zavod zhelezobetonnykh izdeliy.
(Kishenev--Concrete plants--Safety measures)

Ivanov, K.
AUTHOR: Ivanov, K.

84-12-42/49

TITLE: A New Czechoslovak Special-Purpose Aircraft (Novyy chekhoslovatskiy samolet spetsial'nogo primeniya)

PERIODICAL: Grazhdanskaya avlatsiya, 1957, Nr 12, p 35 (USSR)

ABSTRACT: The short note reports the main data on a new 3-seat plane, built by The Avia Works, with a 200-HP air-cooled Praha-Doris engine, designed for agricultural work, aerial photography, medical assignments, and towing of gliders. A diagram and a photograph accompany the text.

AVAILABLE: Library of Congress

Card 1/1

IVANOV, A., kand. arkhitektury

Nature and substance of design. Tekh. est. no.3:21-25 Mr '65.
(MIRA 18:6)

GOLOSOV, V., nauchnyy sotrudnik; RAD'KO, M.; IVANOV, K.

Assembly-line method in rural construction. Sel'. stroi. 15
no. 2:5-7 F '61. (MIRA 14:5)

1. Akademiya stroitel'stva i arkhitektury USSR (for Golosov).
2. Glavnyy inzh.Upravleniya po stroitel'stvu v kolkhozakh Ministerstva sel'skogo khozyaystva USSR (for Rad'ko).
3. Nachal'nik Simferepol'skoy mezhkolkhoznoy stroitel'noy organizatsii (for Ivanov).

(Collective farms--Interfarm cooperation)
(Construction industry)

IVANOV, Kh.

"Using compressed air as a power in the building industry!"

STROITELSTVO: Vol. 6, No. 2, 1959; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EPAI), Library of Congress,
Vol. 8, No. 8, August, 1959

Unclassified

IVANOV, KH.

TECHNOLOGY

Periodicals: STROITELSTVO. Vol. 5, No. 10, 1958.

IVANOV, KH. Utilizing dredging machinery for preparing the roadbed for the railroad tracks between Resen and Samovodeni.p. 11.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

FILIPOV, R., inzh.; IVANOV, Khr.

Public inspection of machines and equipment in the enterprises of chemical industries at Ruse. Khim i industriia 35 no.4: 150-151 '63.

1. Zavod P. Varaminchev, Ruse (for Filipov).
2. Predsedatel na profdruzhestvo na tezhka promishlenost i elektrifikatsiia, Ruse (for Ivanov).

IVANOV, Kr.; VLADOV, N.

Total colectomy in megadolichocolon and partial resection of the left intestine in volvulus of the sigmoid. Khirurgia, Sofia 8 no.8:750-753 1955.

(ABNORMALITIES,
megadolichocolon, with volvulus of sigmoid, surg.)
(COLON, abnormalities,
megadolichocolon with volvulus of sigmoid, surg.)
(INTESTINAL OBSTRUCTION, complication,
megadolichocolon in volvulus of sigmoid, surg.)

ATANASOV, A.A.; IVANOV, K.

Application of the Feynman operator method in the theory of the slow neutron scattering through a crystal plate. Trud Pedag inst Plovdiv 1 no.1:57-63 '63.

1. Chair of General Physics, Higher Pedagogic Institute, Plovdiv. Head:Assistant Professor T.Vasilev.

IVANOV, K., kand. arkhitektury

Nature and substance of design. Tekh.est. no. 5112-15 My '65.

(MIRA 18:6)

IVANOV, Koicho, st. n. sutrudnik

From the wild hen to the poultry factory. Priroda Bulg 13
no.6:105-107 N-D '64.

L 2809-66 EWT(1)/FCC GW

ACCESSION NR: AP5021004

UR/0203/65/005/004/0751/0754
537.591

64
55
23

AUTHOR: Ivanov, K. G. 14, 65

TITLE: Lunar or terrestrial magnetic traces observed by IMP-1?

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 4, 1965, 751-754

TOPIC TAGS: magnetosphere, space magnetic field, plasma, artificial satellite/
IMP 1 satellite 12, 44, 65

ABSTRACT: It is assumed that during some periods in outer space, pre-Alfvén currents of solar wind exist and that disturbances giving rise to effective viscosity at the boundary of the magnetosphere form magnetohydrodynamic traces of the earth, moving upward along the course of the solar wind. Such traces might have formed during the period of IMP-1 observation. Direct testing is impossible because data on the plasma are not yet published, but supporting evidence may be adduced. The magnetic field was somewhat above average at the time of these observations. Other factors suggesting pre-Alfvén currents were the absence of a fast shock wave and the development of sudden tangential rupture. A comparison of magnetic records from IMP-1 and from high-latitude terrestrial observatories shows that disturbances in outer space corresponded to disturbances on the earth. Strongest

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L 2809-66

ACCESSION NR: AP5021004

disturbances on the earth matched strongest disturbances in outer space. To test the validity of the view concerning pre-Alfvén currents of solar wind during the period of comparison, the author measured the beginning of the disturbing pulse on the earth and in outer space. If the pulse was the initial pulse of the earth trace, directed upward along the current, i.e., if the pulse arose at the boundary of the magnetosphere, it should have been observed 2-3 minutes earlier on the earth than in outer space at 30 earth radii. But if the pulse came to the earth from outer space (30 R), then it should have been observed in outer space 3-4 minutes before it was detected on earth. Observation indicates that the pulse was observed on earth before it was in outer space. "In conclusion, the author thanks Yu. D. Kalinin for suggesting the problem and for discussing the work and B. I. Nagilavsky for useful remarks." Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln, SO AN SSSR (Institute of Terrestrial Magnetism, the Ionosphere, and Propagation of Radio Waves, SO AN SSSR)

SUBMITTED: 29Oct64

ENCL: 00

SUB CODE: AA, ES

NO REF SOV: 002

OTHER: 011

Card 2/2

IVANOV, K.G.; MIKERINA, N.V.

Characteristic of the appearance of an initial negative pulse
in SSC*. Geomag. i aer. 3 no.2:375-377 Mr-Ap '63.

(MIRA 17:2)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya
radiovoln AN SSSR.

L 02964-67 EWT(1)/FCC GW
ACC NR: AP6032700

SOURCE CODE: UR/0203/66/006/005/0945/0946

AUTHOR: Ivanov, K. G.

43
B

ORG: Institute of Terrestrial Magnetism, Ionosphere, and Propagation of Radio Waves, (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR)
AN SSSR

TITLE: Distribution of the field disturbance in the subsequent phase of the geomagnetic effect of the high-altitude explosion on 9 July 1962 12

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 5, 1966, 945-946

TOPIC TAGS: geomagnetic field, geomagnetic declination, geomagnetic perturbation, ionosphere, nuclear explosion, *GEOMAGNETIC DISTURBANCE*

ABSTRACT: The geomagnetic effect of the high-altitude nuclear explosion Starfish on 9 July 1962 above Johnston Island has been investigated using data from 72 geomagnetic stations. The distribution of the horizontal vectors of the geomagnetic changes along the earth's surface during the main phase was computed, and the results are plotted on a map. It was established that geomagnetic changes can be represented by four current loops in the ionosphere situated symmetrically to the equator and the meridian and passing through the epicenter of the explosion. The author believes that his distribution pattern is more precise than that of Japanese scientists. Orig. art. has: 1 figure and 1 formula.

SUB CODE: 04/ SUBM DATE: 10Dec65/ ORIG REF: 001/ OTH REF: 004/ ATD PRESS: 5099
Card 1/1 LC UDC: 550.385

IVANOV, KH.

"Mechanization of Coal Mines and Problems Connected With It", P. 17,
(MINIO DELO, Vol. 9, No. 4, April 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EFAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

IVANOV, Kh.

Mechanical loading of coal and rocks in the preparatory and cleaning work of underground mines. p. 6.

MINNO DELO, Sofiya, Vol. 9, no. 11, Nov. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

IVANOV, KH.

IVANOV, KH. Selection and use of pneumatic hammer drills. p. 46.

Vol. 11, No. 2, Mar./Apr. 1956

MINNO DELO

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

IVANOV, KH.

"Reducing the number of models and improving the construction of mining."

p.32 (Ratsionalizatsiia, Vol. 7, no. 2, Feb. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions, (EEAI) LC, Vol. 7, No. 8, August 1958

IVANOV, KH.

"Need of standardizing the tails of drills and the turning bushing of the piercing hammers used in Bulgarian mines."

p.41 (Ratsionalizatsiia, Vol. 7, no. 3, Mar. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

MINCHEV, D., kand.tekhn.nauk; IVANOV, Khr., dotsent.

From the history of the mechanization of underground transportation in Bulgarian coal mines. Ugol' 35 no.2:50-51
F '60. (MIRA 13:5)

1. Gornogeologicheskiy institut, Sofiya.
(Bulgaria--Mine haulage--Equipment and supplies)

KANETI Ia.; IVANOV, Khr.

Radiiodine therapy of thyrotoxicosis. Suvr. med. (Sofia) 16
no.9:525-530 '65.

1. Katedra po rentgenologia i radiologii (rukovoditel -
prof. F. Khadzhidekov), Institut z spetsializatsiia i usuvur-
shenstvuvane na lekarite, Sofia.

IVANOV, Kh.; IVANOV, D.

"Analysis of the Essence of Turpentine from Pinus Negra, Wood Turpentine, and Colophony of Bulgarian Origin." p. 17. "Speed of Crystallization of Supersaturated Solutions of Calcium Sulfate and Strontium Sulfate." p. 21. (DOKLADY, Vol. 3, no. 1, Jan./Mar. 1950 /Published 19517. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

IVANOV, Rhr.

Apparatus for titrating small quantities of essential oils in plant material and specially in rose flowers. D. Ivanov, Rhr. Ivanov, and H. Oguzakov. *Compt. rend. acad. int. sci. Paris* 2(1963) (in French). - A new app. is described in detail which permits operating on a smaller sample than used with the traditional app. For an analysis, 250 g. of rose petals and 750 ml. H₂O were used and the results agreed within 0.001 ml. of rose oil. Tables and a drawing accompany the report. A. Halasz

CH

2
1967

CH
Title for determining the end point of distillation in the
production of rose oil. D. Ivanov, Khr. Ivanov, and H.
Ormanov. *Chem. rev. Acad. Bulg. Sci.* 13: 10 (1968)
(in French).—The end of distn. in the production of rose oil
can be fixed by utilizing the measure of surface tension of
the distg. waters according to V. I. Verenzoff or utilizing
the end of pos. color reaction for alcs. according to Rosen-
thal (C.A. 6, 3251). Graphs and tables are given.
A. Holanz

2
7/57

Chem ✓ *Exp*
Distribution of alcohols and of steroptene from oil of roses during the hydrodistillation of rose flowers. D. Ivanov, Kh. Ivanov, N. Markov, and H. Ognjanov. *Chem. Abstr.* 1955, 50, 12564 (1955) (Pub. 1955) in *Chem. Abstr.* 1955, 50, 12564. The data of the composition of the hydrodistillate is affected by several factors, such as the amount of water, the pressure in water bath, the amount of the various fractions obtained in the distillate. Most of the oil is obtained during the first 10 min. Differences in the recovery of various components of the oil depend on whether the roses are harvested in the day or night prior to distillation.
John H. Wood

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619030010-1

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IVANOV, Khr.

BULGARIA/Organic Chemistry. Synthetic Organic Chemistry. G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64428.

Author : Ivanov Khr.

Inst :

Title : Synthesis of alpha-phenyl-beta, beta-diaryl-beta-(N-benzoyl)-aminopropionic acid by Means of the Sodium salt of alpha-chloromagniphenyl acetic acid and n-banzoylbenzhydryl

Orig Pub: Izv. Khim. in-t. Bulg. AN, 1957, 5, 93-102.

Abstract: The interaction of C_6H_5MgBr (I) with $(C_6H_5)_2NCOC_6H_5$ (II) or $C_6H_5CH(MgCl)COONa$ (III) with (II) and with $(4-CH_3OC_6H_4)(C_6H_5)C=NCOC_6H_5$ (IV) produces the corresponding $(C_6H_5)_2CNCOC_6H_5$ (V), $(C_6H_5)_2(C_6H_5)CONHOCCH(C_6H_5)COOH$ (VI) and $(4-CH_3OC_6H_4)(C_6H_5)CONH(C_6H_5)CCH(C_6H_5)COOH$ (VII). Heating (V) with $(CH_3CO)_2O$ leads,

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BULGARIA/Organic Chemistry. Synthetic Organic Chemistry.

G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64428.

instead of 2,4,5,6-tetraphenyl-1,6,-dihydro-6-oxo-1,3-oxazine, to products of dehydration of (V) which are given the structure 3-benzoyl-2,3-diphenyl-hydrindone (VIII). Under the action of conc. H_2SO_4 , and depending on the length of the reaction, (V) is turned into (VIII), or 2-(sulfophenyl)-3-phenylindone (IX). A mixture of 0.12 g-atom Mg, 0.12 moles of C_6H_5Br and 0.075 moles of C_6H_5CN heated in ether for three hours, the sediment of which is suspended in 35-40 ml. of ether, to which is added 0.13 moles of C_6H_5COCl in ether, heated for 3 hours, separated from its sediment which is washed in ether (20-25 ml. x 2), heated with 50 ml. absolute alcohol, filtered and left for \sim 12 hours, will yield (II), to the extent of 70.4%, m.p. 116-118 $^{\circ}$. (in ethyl acetate). Analogously, (IV) can be produced, yielding 48.2%, m.p. 106-108 $^{\circ}$ (in

Card : 2/5

17

BULGARIA/Organic Chemistry. Synthetic Organic Chemistry.

G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64428.

(in ethyl acetate). To a solution of (I), derived from 0.015 g.-atom of Mg and 0.015 moles of C_6H_5Br with ether, the addition of 0.015 moles of (II) in 30-35 ml. of ether. and heating for an hour and treating the mixture with ice and HCl, yields (V), m.p. 164-165°. To a suspension of (III) (from 0.01 g.-atom Mg., 0.0125 moles iso- C_4H_7Cl and 0.01 moles $C_2H_5CH_2COONa$) in 45 ml of ether, the addition of a 0.0075 mole solution of (II) in C_6H_6 , heated for 6 hours in a water bath, treated with ice and HCl and filtered, and the filtrate extracted in a 5% solution of NaOH, the remainder combined with the filtrate, heating to the solubility point, filtered, the filtrate treated with a solution of HCl (1:1), and the sediment boiled 10 minutes with 5-6 ml alcohol, yields (VI). to the amount of 49%, m.p. 238-239° (in

Card : 3/5

BULGARIA/Organic Chemistry. Synthetic Organic Chemistry

G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64428.

ethyl acetate). Analogously, (VII) can be derived, yield 53%, m.p. 214-215° (in alcohol or ethyl-acetate). The mixture of 1 g. (VI) and 6 ml (CH₃CO)₂O, heated for 5 hours and poured into 20 ml of water, produced (VIII), yield, 0.9 g/m.p. 204-205° (in ethylacetate). A solution of 0.5 g (VI) in 5 ml. conc. H₂SO₄, left at a temperature of ~ 20° for 5 hours, and poured into 20 ml. of water, recovered in ether, and the extract passed through water (25 ml x 4) and 2% NaOH (25 ml x 3). When the aqueous-acid solution was treated with a saturated solution of NaCl, IX was obtained, yield 39.6% m.p. 278-280° (from absolute alcohol). From alkaline extract there can be derived a mixture of (VI) and C₆H₅COOH. From the ether solution, there can be recovered 0.5 g (VIII). By mixing

Card : 4/5

13

1
 Synthesis of phenylalanine-3-C¹⁴. Khr. Ivanov. *Compt. rend. acad. bulgare sci.* 11, No. 3, 213-1955 (in Russian).
 —5-Benzylhydantoin-4-C¹⁴ (I) (1.48 g.) treated with a hot soln. of 5 g. Ba(OH)₂·8H₂O in 40 ml. H₂O; the mixt. boiled 10 hrs. on a glycerol bath, 1.5 g. (NH₄)₂CO₃ in 30 ml. H₂O added, the mixt. stirred and allowed to stand, the soln. decanted through a filter, the residue washed (3 × 30 ml. H₂O), the BaCO₃ ppt. filtered off and washed with hot H₂O, the filtrate and washings boiled 1 hr. to decomp. excess (NH₄)₂CO₃, the soln. cooled, filtered (if turbid) and evapd. almost to dryness, the cryst. residue dissolved in 60% EtOH, kept overnight, the crystals which sepd. washed (EtOH) and dried gave 0.783 g. product, m. 271-3°. I was prepd. from a bisulfite compd. of phenylacetaldehyde. The prepn. of both these compds. is given. John H. Fishwick

2
 403d
 402c (j)
 299 (11/17)

IVANOV, Khr.; VASILEV, G.

A new method for the preparation of 1,3-diaryl propanols-(2).
Godishnik Khim 54 no.3:39-45 1959/60 (pub. '61.) (EEAI 10:9)

(Aryl groups) (Propyl alcohol)

WANDY, No.

Brit. Polity Polity Academy Abstracts, vol 15, no 1, 1952 (cont)

2/3

- 11. "The Influence of Aluminum Salts on the Formation of Gout Calcium and its Effect on the Solubility of Ferric Iron in the Reduction of Ferric Iron by the Salts of Calcium and Magnesium." Journal of the American Chemical Society, 74, 1952, pp 53-54.
- 12. "The Reduction of Organic Compounds with a Solution of Zinc in Liquid Ammonia." Journal of the American Chemical Society, 74, 1952, pp 55-56.
- 13. "Concerning the Extraction of Metals from Uranium." Journal of the American Chemical Society, 74, 1952, pp 57-58.
- 14. "On the Adsorption of Calcium Ions on Silver." Journal of the American Chemical Society, 74, 1952, pp 59-60.
- 15. "The Solubility Properties of Certain Complexes." Journal of the American Chemical Society, 74, 1952, pp 61-62.
- 16. "Integrated Indicators of Pressure and Natural Water Supply in Various Areas of the USSR." Journal of the American Chemical Society, 74, 1952, pp 63-64.
- 17. "Dissociation of Calcium Acetate." Journal of the American Chemical Society, 74, 1952, pp 65-66.
- 18. "Certain Peculiarities of the Equilibrium System in the System of the Addition of Polymeric Salts in the System with Calcium Salts." Journal of the American Chemical Society, 74, 1952, pp 67-68.
- 19. "The Influence of Temperature Changes and the Activity of the Solution on the Equilibrium of Calcium." Journal of the American Chemical Society, 74, 1952, pp 69-70.
- 20. "On the Role of the Ligand in the Formation of the Complex of Calcium with the Ligand." Journal of the American Chemical Society, 74, 1952, pp 71-72.

IVANOV, Khr., dots. inzh.; KOZAROV, As., dots. inzh. [deceased]; SHEIRETOV,
K., k.t.n. inzh.; TSVETKOV, Khr. inzh.; MATEEV, M., inzh.

Theory of the work of rotary boring machines. Godishnik Min geol
inst 8:195-208 '61-'62 [publ.'63]

IVANOV, Khr.

How the State Industrial Enterprise "Lakprom" of Sofia is trying hard to win the title "Enterprise of the Communist labor." Khim i industriia 34 no.3:117-119 '62.

IVANOV, Khr. inzh.

Mechanization of coal mining in Bulgaria. Tekhnika Bulg 2
no.12:14-18 D '53.

RUSANOV, Rozin Tod., inzh.; PETROV, Iordan, tekhn.; IVANOV, Khristo

Staining of bright veneers by pulverization (grease gun) at the
State Industrial Enterprise "Pobeda" of Turnovo. Duvomebel prom
5 no.1:14-19 Ja-F '62.

KALICHKOV, Mikhail; IVANOV, Khristo, mash. tekhn.

Keeping promises in honor of the 8th Congress of the Bulgarian Communist Party. Following the trade unions in the "Vitamina" and "Verila" enterprises, the unions in the enterprises "D.Bla-goev" at Kazanluk, "Pobeda" at Turnovo, and "Vagrianka" and "Energosnabdiavane" at Pavlikeni took over the functions of the technical councils of the enterprises. Tekh delo 13 no.428:1 26 My '62.

MITROV, G.; IVANOV, Khr.; UZUNOV, Iv.

Our experience with scintigraphy in some diseases of the
thyroid gland. Suvr. med. 13 no.7:25-31 '62.

(RADIOMETRY) (THYROID FUNCTION TESTS)
(IODINE ISOTOPES DIAGNOSTIC)

IVANOV, Khr.

Two cases of myocardial infarct with unusual course. *Suvrem. med.*, Sofia
8 no.12:117-118 1957.

1. Iz Instituta za burza meditsinska pomosch "I. Pirogov" --- (Gl. lekar:
d-r B. Devetakov).
(MYOCARDIAL INFARCT, case reports
(Bul))

IVANOV, Khr., inzh.

For precise and well-defined terms in founding. Mashinostroene 13
no.11:39-42 N '64.

1. Machinery and Electrotechnical Institute, Varna.

IVANOV, Ks.
BULGARIA/Diseases of Farm Animals - Diseases Caused by Viruses and Rickettsiae. R-3

Abs Jour : Ref Zhur - Biol., No 14, 1958, 64655

Author : Ivanov, Ks., Zhelev, Vl., Trifonov, St.

Inst : Institute of Experimental Veterinary Medicine of the Bulgarian Academy of Sciences, Igarian Sciences.

Title : The Study of the Morphological Changes in Swine Plague in Relation to the Diagnostic Criteria of this Disease. 7. Changes in the Genito-Urinary Organs.

Orig Pub : Izv. Iⁿ-ta eksperim. vet. med. B'lgar. AN, 1956, 4, 197-212.

Abstract : The investigation of the genitourinary organs of a considerable number of pigs sacrificed on the 4th-6th day following experimental infection with plague disclosed the presence of microscopic hemorrhages in the uterus and

Card 1/2

BULGARIA/Diseases of Farm Animals - Diseases Caused by Viruses
and Rickettsiae.

R-3

Abs Jour : Ref Zhur - Biol., No 14, 1958, 64656

Author : Ivanov, Ks., Zhelev, Vl., Yanchev, St.

Inst : Institute of Experimental Veterinary Medicine of the Bulga-
rian Academy of Sciences.

Title : The Study of the Morphological Changes in Swine Plague in
Relation to the Diagnostic Criteria of this Disease.
8. Changes in the Stomach and Intestines.

Orig Pub : Izv. In-ta eksperim. vet. med. B"lgar. AN, 1956, 4, 213-
231.

Abstract : The authors analyze the results of the investigation of the
gastrointestinal tract in 196 pigs sacrificed on the 4th-
6th day following experimental infection with plague, and
in 19 swine which perished from spontaneous acute plague.

Card 1/2

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BULGARIA/Diseases of Farm Animals - Diseases Caused by Viruses
and Rickettsiae.

R-3

Abs Jour : Ref Zhur - Biol., No 14, 1958, 64656

They observe that in acute plague hyperemia, hemorrhages and lymphocytic infiltrates are encountered in the mucosa more often than it is usually accepted. Besides hemorrhagic diathesis, the plague virus of swine also causes the necrotic processes, especially in the glandular part of the stomach and in the ileum, leading to the formation of the impregnated with fibrin, circumscribed, button-like, false membranes or sores. The authors do not consider as characteristic of the swine plague such changes in the large intestine as the inflammation of the terminal part of it, and the eosinophilia in its submucosa.

Card 2/2

IVANOV, K. A.

MATVEYEVA, N. H. Arkh. i IVANOV, K. A., Kand. Arkh., SPOCHINSKAYA, A. I. Kano. Arkh.

Nauchno-issled-ovatel'skiy institut arkhitektury i promyshlennykh sooruzheniy
akademii arkhitektury SSSR

Arkhitektura Vysotnykh obshchestvennykh zdaniy moskvy

Page 7h

SO: Collections of Annotations of Scientific Research Work on Construction, completed
in 1950.
Moscow, 1951

IVANOV, K.A., kandidat arkhitektury

The socialist architectural style.
'59.
(Architecture)

Izv.ASIA no.3:121-143
(MIRA 13:6)

IVANOV, K.A., kand. arkhitektury; VOLODIN, P.A., kand. arkhitektury;
PEKAREVA, N.A., kand. arkhitektury

Architecture is in the process of reorganizing. Izv. ASIA no.2:
25-33 '61. (MIRA 15:1)

(Architecture)

COUNTRY : USSR.
 CATEGORY : Zoological Parasitology. Acarids and Insects
 or Disease Vectors. Insects.
 ABS. JOUR. : RZhBiol., No. 14, 1958, No. 62686.
 AUTHORS : Ivanov, K. A.; Derkach, A. P.
 INST. : Astrakhan Anti-Plague Station.
 TITLE : Distribution and Dynamics of the Numbers of
 Rodents' Fleas in One of the Localities of the
 Silt Subzone in the Northwestern Region of*
 ORIG. PUB. : Sb. tr. Astrakhan. protivochumn. st., 1955,
 vyp. 1, 289-301.
 ABSTRACT : In a typical section for the silt subzone in
 the northwestern region of the Caspian Sea
 dwell rodents of 13 species; the most numerous
 are the "emuranchik," crested and midday gar-
 bills and the domestic mouse. 3234 fleas were
 collected. 11 flea species were noted on the
 little beasts, 6 in the burrows' entrances and
 4 in the nests of the "emuranchik." On the
 average for 3 years (1951-1953), the highest
 abundance indices of the fleas (I) were ob-
 served in March-April; the lowest (0.3),

CARD: 1/3

COUNTRY :
 CATEGORY :
 ABS. JOUR. : RZhBiol., No. 14, 1958, No. 62686. G
 AUTHOR :
 INST. :
 TITLE :
 ORIG. PUB. :
 ABSTRACT : In July. On the midday gerbits, I kept at a
 low level (0.14-0.4). On the "emuranchika," I
 were the highest (3.5) in the period of mass
 awakening (March) and gradually diminished
 until the state of hibernation (0.3 in October-
 November). In the burrows' entrances, I were
 highest in March (3.0), then diminished towards
 summer and again increased towards autumn. It
 was noted that the fleas' exchange proceeds

CARD: 2/3

Ivanov, K.A.

USSR/Zooparasitology - Acarina and Insect-Vectors of Disease Pathogens.

G-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10098

Author : Nel'zina, E.N., Slinko, L.I., Kadatskaya, K.P., Ivanov, K.A., Yamshchikova, Kh.G., Poltavtsev, N.N., Skirda, G.I.

Inst :
Title : Ixodic Ticks (Parasitiformes, family Ixodidae) of Rodents in Northwestern Caspian Coast.

Orig Pub : Sb. tr. Astrakhansk. protivochumn. st., 1955, No 1, 416-433

Abstract : The fauna of ixodic ticks in the district studied is comparatively sparse (5 species, more or less, are numerous); individual specimens may be regarded as of Kirgiz and European-Siberian origin. Closest biocenotic ties with rodents are found in Ixodes laguri laguri and Thipicephalus schulzei. The first of these (steppe species) is connected with rodents who build deep, comparatively

Card 1/2

IVANOV, K.A.

Population dynamics of fleas parasitic on the suslik *Citellus pygmaeus* Pall. in different years and its relation with meteorological conditions. Zool. zhur. 40 no. 1:31-35 Ja '61.
(MIRA 14:?)

1. Pryvolzhisk Department of Astrakan Anti-Plague Station.
(Pridorozhnoye Region—Fleas)
(Parasites—Susliks)

AGNAYEV, Khadzhimet Il'yasovich; IVANOV, Konstantin Andreyevich,
agronom ekonomist; BEREZIN, I.A., red.; YELAGIN, A.S.,
tekhn. red.

[Business accounting on the collective farm] Khoziaistvennyi
raschet v kolkhoze. Moskva, Izd-vo "Sovetskaya Rossiya,"
1962. 77 p. (MIRA 16:3)

1. Predsedatel' kolkhoza imeni V.I.Lenina Stavropol'skogo kraya
(for Agnayev).

(Collective farms—Finance)

IVANOV, Konstantin Andreyevich, kapitan dal'nego plavaniia;
MESHKOV, O.I., red.

[Manual for the reading of English nautical charts] Po-
sobie dlia chteniia angliiskikh morskikh kart. Moskva,
Transport, 1965. 67 p. (MIRA 18:12)

1. IVANOV, R. ^[A] DEMENT'YEV, S.

2. USSR (600)

4. Paint Mixing

7. Emulsion thinner for oil paints. Sel'. stroi. 8, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

IVANOV, K.A.; DEMENT'EV, S.T.

Oil paint emulsion thinner. Gor.khoz. Mosk. 27 no.6:34-35 Ja '53. '
(MLRA 6:6)

(Thinner (Paint mixing))

IVANOV, K.A., instruktor malyarnykh robot.

Emulsion diluent. Nauka i zhizn' 22 no.10:51 0 '55. (MLRA 9:1)
(Painting, Industrial) (Emulsions)

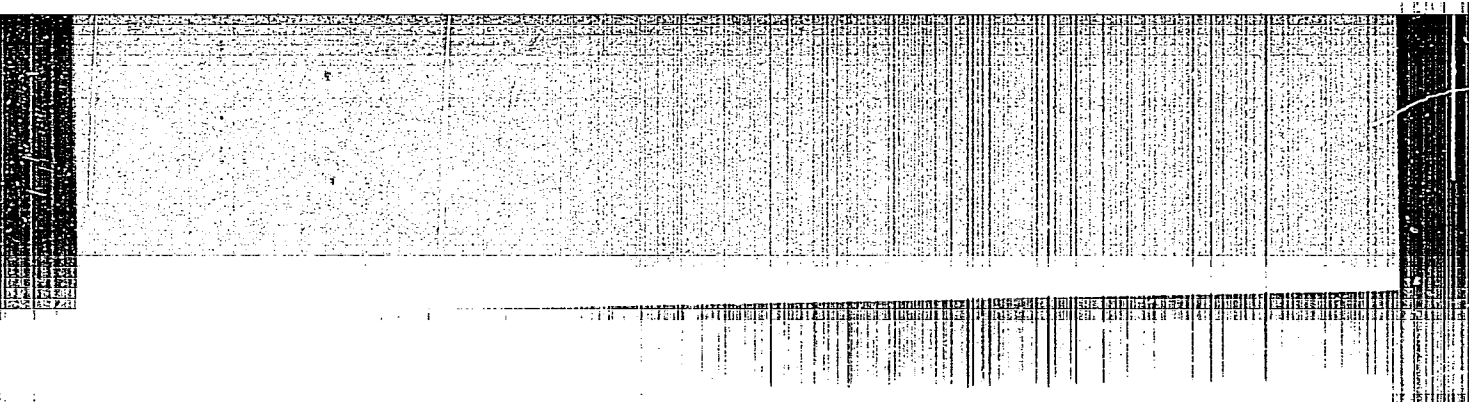
IVANDV, K., instruktor malyarnykh rabot.

Emulsion solvent for oil paints. Stroitel' no.12:9 D '56.
(MLRA 10:2)

(Paint) (Solvents)

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IVANOV, K., instruktor malyarnykh robot.

Oil paint emulsion thinner. Nauka i zhizn' 23 no.2:62 F '56.
(MLRA 9:5)

(Thinner (Paint mixing))

Use of emulsion diluent for oil paints. E. A. Janson.
Stroitel. Prom. 34, No. 4, 27-8(1953).—One part of chalk is
slaked with 10 parts of water contg. 0.01 part of NaCl,
allowed to settle, and the supernatant liquor mixed with
50 g./l. of chalk. This mixt. is stirred into boiled linseed
oil for 3-5 min. until the substance carries 20-5% linseed
oil which is then used as a diluent. J. D. Gat.

Handwritten notes and markings including a vertical line, a horizontal line, and the initials "J.E." and "J.D. Gat.".

IVANOV, K. A.

IVANOV, K., ⁴instruktor malyarnykh rabot

Using emulsion thinner in oil paints. Gor.i sel.stroi.
no.8/9:30-31 Ag-S '57. (MIRA 10:12)

(Paint)

IVANOV, K.A.

Emulsion diluent for oil paints. Izobr.v SSSR 3 no.1:11-12
Ja '58. (MIRA 11:1)

(Paint mixing)

IVANOV, K., instruktor peredovykh metodov truda.

Using emulsifying diluents in finishing moist plaster. Stroitel'
no.5:11 My '58. (MIRA 11:6)
(Plastering) (Emulsions)

IVANOV, K.
CA

Processes and Properties Index

The effect of pressure on the linear velocity of the transformation of white tin into gray tin. A. Komai and K. Ivanov. *J. Exptl. Theoret. Phys.* (U. S. S. R.) 6, 280-281 (1952); cf. *C. A.* 29, 6183. The linear velocity is decreased with increasing pressure up to 100 atm. The temp. of max. rate of transformation is shifted to slightly lower temp. (-33 at 1 atm. to -39 at 10 atm.).
P. H. Rachmann

ASIA-SEA METALLURGICAL LITERATURE CLASSIFICATION

IVANOV, K. A.

M

11

Microradiography of Metals and Alloys. K. A. Ivanov (*Zhur. Tekhn. Fiziki*, 1949, 19, 1217-1230; *Physics Abs.*, 1950, 53, 444). [In Russian]. The technique of transmission microradiography is described in detail. Fine-grain plates are used, and all magnification (usually 50-2000x) is made optically. Choice of radiation permits the identification of phases and the achievement of high contrast. The surfaces of the specimens (sheets of 0.1 mm. thickness; need not be polished, as the whole vol. is examined. Flaws are easily seen. Alternatively, X-rays may fall almost tangentially on to a thick specimen, giving rise to diffracted beams which can be recorded on a plate close to the surface and shielded from the direct beam. Grain-size and deformation may be estimated from the size and sharpness of the images. 17 references.

Nov. 1950

IVANOV, K.A., inzhener

Necessity of a uniform method of X-ray control of welded seams.
Standartizatsia no.2:57-60 Mr-Ap '55. (MIRA 8:6)
(X-rays --Industrial applications) (Welding--Standards)

IVANOV, K.A., inzhener; TOCHENOV, A.A., inzhener; KUZNETSOV, P.P., master.

Balancing the rotor of a steam turbine. Energetik 4 no.7:17 J1 '56.
(Steam turbines) (MLRA 9:9)

KOLESNIK, Nikolay Vasil'yevich; IVANOV, K.A., inzh., retsenvent;
DOKUCHAYEV, A.N., dotsent, kand.tekhn.nauk, red.; DUDUSOVA,
G.A., red.izd-va; SHCHETININA, L.V., tekhn.red.; FRUMKIN, P.S.,
tekhn.red.

[Eliminating vibrations of machinery] Ustranenie vibratsii
mashin. Izd.2, dop. i perer. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1960. 198 p. (MIRA 13:3)
(Machinery--Vibration) (Damping (Mechanics))

IVANOV, K.A., inzh.; KUZNETSOV, P.P., inzh.

Study and elimination of increased vibration in the
Ungatrem turbogenerator. Energetik 8 no.7:16-18
Jl '60. (MIRA 13:8)
(Turbogenerators—Vibration)

S/032/60/026/04/40/046
B010/B006

AUTHORS: 1) Iyanov, K.A., 2) Konstantinov, V.A., 3) Ostapchenko, Ye.P.,
Meshechnikov, A.M., 4) Avayev, V.V., 5) Mokhov, L.A., Dzedzichuk, V.P.,
6) Lutugina, N.V.

TITLE: News in Brief

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 4, pp. 504-506

TEXT: 1) The author reports on the development of X-ray apparatus for measuring stresses of first order in welded designs. The apparatus (Fig., photograph) comprises a switchboard, high voltage transformer, X-ray tube (in a casing), a stand for the latter, a chamber, and mechanisms for vibrating and rotating the specimen. P.M. Lebedev and P.V. Shepelev collaborated in designing the chamber and the stand. A brief description of the apparatus is given. 2) The author recommends the use of an attachment (Fig.) for taking photographs of coarse-crystalline specimens by the 1-KROS camera. The specimen which is fixed by a holder, is shifted by means of a cam which has the shape of opposite Archimedean spirals. Cam rotation shifts the specimen by $\sin^2\alpha$, where α " angle

Card 1/2

News in Brief

S/032/60/026/04/40/046
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of specimen displacement vertical to the incident X-ray. 3) The authors describe a dismountable vacuum tube (Fig.) for X-ray structural analysis. The tube casing has three openings for the X-rays and one for evacuation. The copper anode has a titanium mirror, the construction of which is described. 4) The author briefly describes a simple device (Fig., photograph) for lowering the chamber of the ISP-22 quartz spectrograph. 5) The authors describe a simple apparatus for sampling gas under reduced pressure. The apparatus (Fig., diagram) consists of two absorbers, a rheometer, and a vacuum pump. A short explanation of the diagram is given. 6) The author discusses the application of somewhat modified Taylor condensers for investigating rectification processes of ternary systems in the distillates of which demixing occurs. The mode of operation of the condensers is described by means of a diagram (Fig.). There are 6 figures and 1 reference.

ASSOCIATION: 6) Leningradskiy gosudarstvennyy universitet (Leningrad State University)

Card 2/2

IVANOV, K. A., Dr. Tech. Sci. (diss) "Complex Utilization of Acidic Petroleum Asphalts," Tbilisi, 1961, 28 pp (Georg. Polytech. Instit.) 250 copies KL Supp 12-61, 260).

IVANOV, K.A.; KODANASHVILI, V.A.; BALANCHIVADZE, G.I.; ANANIASHVILI,
S.D.; TOTIASHVILI, N.G.

Production of ammonium sulfate from acid asphalts. Trudy GPI
[Gruz.] no.5:101-106 '62. (MIRA 17:10)

IVANOV, A. A.

Dissertation: "Experimental Basis of Maximum Permissible Saturated Concentration of Hexachlorane in the Water of Reservoirs." Cand Med Sci, First Moscow Order of Lenin Medical Inst, 24 May 54. Vechernyaya Moskva, Moscow, 14 May 54.

SO: SUM 284, 26 Nov 1954

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Ivanov, A. A.

IVANOV, K.A., kandidat meditsinskikh nauk

Errors in the evaluation of hygienic standards for the sanitary protection of natural waters. Gip. i san., 22 no. 8:61-64 Ag '57.
(WATER POLLUTION (NIRA 10:9)
hygienic standardization of water reservoirs,
errors in evaluation)

SMITH, R. A., and SMITH, F. T., Atlanta, G. A.

"Hygienic problems of rural water supply."

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

IVANOV, K.A.: kand.med.nauk

Purification of water for drinking. Zdorov'ie 6 no.7:31 Je '60.
(MIRA 13:7)

(WATER--PURIFICATION)

IVANOV, K.A., dotsent

Sanitary protection of the upper Volga. Trudy KGMI no.10:5-7 '63.
(MIRA 18:1)

1. Iz kafedry obshchey gigiyeny, (zav. kafedroy - dotsent K.A. Ivanov) Kalininskogo gosudarstvennogo meditsinskogo instituta.

SHIRANOVICH, P.I (Rostov-na-Donu); IVANOV, K.A. (Rostov-na-Donu); POLKOVOVA,
Ye.N. (Rostov-na-Donu); CHIVELOV, V.I. (Rostov-na-Donu)

Fleas in human dwellings in Caspian Lowlands. Med.paraz.i paraz.bol.
33 no.4:494-495 J1-Ag '64. (MIRA 18:3)

ALEKSEYEV, Vladimir Ivanovich; ZHETSKIY, . . .; TYUKOVIN, I.N.;
BUCATOV I.P., reitsent; BELOV, M.I., reitsent;
IVANOV, K.A., reitsent; MEYEROVICH, M.G., reitsent;
ORFANOV, I.K., reitsent; PITOV, S.M., reitsent;
TONYAYEV, V.I., reitsent

[Moscow-Gorkiy-Moscow; guidebook on the Moscow Canal,
and the Volga, Oka, and Moscow Rivers] Moskva - Gor'kii -
Moskva; putevoditel' po kanalu imeni Moskvyy, Volge, Oke i
Moskve-reke. Moskva, izd-vo "Transport," 1964. 101 p.
(MIRA 17:6)

IVANOV, K.B.

Investigating the effect of dry friction on motions in servo-systems.
Trudy LPI no. 194:88-104 '58. (MIRA 11:11)
(Servomechanisms)

S/124/63/000/003/020/065
D254/D308

AUTHOR: Ivanov, K. F.

TITLE: Approximate analytical calculation of paths of solid particles in curvilinear channels

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1963, 111, abstract 3B689 (Nauchn. zap. Odessk. politekhn. in-t, 1962, v. 41, 60-64)

TEXT: The author proposes an approximate method of calculating the path of a particle in a stream moving in a curved channel. It is assumed that the motion of the particles is independent, and that they do not affect the regularities of the motion of the gas stream. The particles are assumed to be spherical. The path is divided into small sections. The equation of motion of a particle, in which only the aerodynamic force is taken into account, is solved assuming the stream velocity in the given section to be constant and equal to its velocity at the beginning of the section. The expressions for the projections of the aerodynamic force are expanded

Card 1/2

Approximate analytical ...

S/124/63/000/003/020/065
D234/D508

into a series in powers of corresponding projections of particle velocity, and terms of a degree higher than first are neglected. The equation is then easily integrated. The author proposes the formulas obtained for constructing the trajectory of a particle, passing from one section to another. The method proposed is compared with methods of those authors who take the centrifugal force into account. It is stated that this approach is correct only if the particle moves along a wall, i.e. if there are constraints. 10 references. [Abstracter's note: Complete translation.]

Card 2/2

BELYAKOV, V.D., kand.med.nauk, polkovnik meditsinskoy sluzhby; IVANOV, K.G.,
kand.med.nauk, mayor meditsinskoy sluzhby; IL'CHENKO, A.A., mayor
meditsinskoy sluzhby

Effectiveness of hygienic washing as a method for skin disin-
fection. Voen.med.zhur. no.5:73-75 My'59. (MIRA 12:8)
(HYGIENE,
washing as effective disinfection method
(Rus))

IVANOV, Khariton Gavrilovich; SHTEYNGEL', A.S., red.; NASIROV, N.,
tekhn. red.

[Living springs of creative initiative] B'iut rodniki tvorche-
skoi initsiativy; opyt raboty Soveta VOIR ordena Leninazavoda
im. leit. Shmidta. Baku, Azerneshr, 1961. 31 p.

(MIRA 15:12)

(Azerbaijan--Machinery industry--Technological innovations)

SHURA-BURA, B.L.; IVANOV, K.G.

Disinfection of apparatus for intestinal lavage, Vop. kir., fizioter.
i lech. fiz. kul't. 29 no.4:357-361. J1-Ag '64. (MIRA 18:9)

1. Kafedra obshchey i voysennoy epidemiologii Voenno-meditsinskoy
ordena Lenina akademii imeni Eirova, Leningrad.

I 05095-67 FWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AP6013301

SOURCE CODE: UR/0413/66/000/008/0097/0097

AUTHORS: Bobrov, I. I.; Ivanov, K. G.; Il'in, V. A.

54
B

ORG: none

TITLE: A method of depositing a printed winding on ferrite wafers of a memory cube.
Class 42, No. 180852

16C

SOURCE: Izobreteniya, promyshlennyye obratzys, tovarnyye znaki, no. 8, 1966, 97

TOPIC TAGS: storage device, printed circuit, computer memory, ferrite core memory

ABSTRACT: This Author Certificate presents a method for depositing a printed winding on ferrite wafers of a storage cube. The method increases the productivity of labor and simplifies the technological process. A negative picture of the winding is applied to the copper-coated ferrite wafer by printing with a polygraphic pigment and a deep steel stamped form. A galvanic silver plating of the printed winding is produced in an acid electrolyte. The pigment is removed, and the copper is etched away from the blank sections by an etching agent. The silver film of the winding is not destroyed.

SUB CODE: 09/ SUBM DATE: 19Nov64

Card 1/1 20

UDC: 681.14

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3211/0001/003/005
S/534/61/000
D055/D114

3,5920

AUTHOR: Ivanov, K.G.

TITLE: The energy of the explosion of the Tunguska meteorite

SOURCE: Akademiya nauk SSSR. Komitet po meteoritam. Meteoritika, no. 21, 1961, 44-45

TEXT: For calculating the energy of the explosion of the Tunguska meteorite, the author utilizes data arrived at by A.S. Kompaneyets (Ref.1: *Tekhnicheskyy voprosnik v neednorednoy atmosfere* [A spot explosion in a non-uniform atmosphere] DAN SSSR, 130, 1960, 1001.) and on the time delay in the beginning of variations in the Earth's magnetic field in relation to the moment of the Tunguska meteorite's explosion, as computed by I.S. Astapovich (Ref.2: *Bol'shey Tungusskiy meteorit.II. Rezul'taty issledovaniy* [The big Tunguska meteorite. II. The results of the investigations]. Priroda, Nr. 3, 1951). The time of arrival of the upper edge of the shock-wave caused by an explosion in a non-uniform atmosphere, where the gas density is distributed according to the barometric formula, at height z depends on the constant x, which may be calculated according to the formula:

$$x = 1 - e^{-\frac{z}{z_0}} \quad (1)$$

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D055/D114

The energy of the ...

taken by the shock-wave to pass from the point of explosion to the lower boundary of the ionosphere. This period was determined from a magnetogram as $1.4 \cdot 10^2$ sec. If the lower boundary of the ionosphere was 80 km high, according to formula (1), x equals ~ 1 , and the time taken by the shock-wave to pass from the explosion point to this height equals τ , determined from formula (2). Substituting E for τ in formula 2 we have:

$$E = \frac{8\pi z_0^3 \rho_0}{\lambda(r^2 - 1) \tau^2} \left\{ \int_0^1 \Omega(x) dx \right\}^2 \quad (3)$$

Taking $z_0 \sim 8 \cdot 10^5$ cm, $\rho_0 \sim 1.29 \cdot 10^{-3}$ g/cm³, $\lambda = 2-3$, $r = 1.4$ and

$\int_0^1 \Omega(x) dx \sim 1.28$ and substituting these values in (3) we have $(3-5) \cdot 10^{23}$

erg as the energy in the explosion of the Tunguska meteorite. This corresponds to the figure given in ref. 2, which is $\sim 10^{23}$ erg. There are 2 Soviet references. [Abstracter's note: Essentially verbatim translation].

Card 3/3

3,5920

32140

S/534/61/000/021/004/005
DO5/D114

AUTHOR: Ivanov, K.G.

TITLE: Geomagnetic phenomena observed at the Irkutsk Magnetic Observatory after the explosion of the Tunguska meteorite

SOURCE: Akademiya nauk SSSR. Komitet po meteoritam. Meteoritika, no. 21, 1961, 46-48

TEXT: The author has studied magnetograms of the H, Z and D field components obtained at the Irkutskaya magnitnaya observatoriya (Irkutsk Magnetic Observatory) on June 30, 1908. Notable changes in the H and Z components occurred. The explosion of the meteorite took place at 0 hrs 17.2 mins GMT, and changes in the field began at 0 hrs 19.5 mins. The greatest changes occurred in the H component (fig. 1). Within 20 minutes the field increased by 20 gamma, then remained constant within 1 gamma for 12 minutes and finally diminished by 67 gamma from the highest level over 54 minutes. The K index remained at 5 between 0 and 3 hours GMT. Fig.2 shows changes in the Z component on a scale of 28 gamma. There were no perceptible changes in the D component. In the case of H and Z components, the phenomena lasted about 1 1/2

X

Card 1/5