from acetone and hydrogen cyanide in methanol; temperature dependence of the heterogeneous amination of chlorine rubber with aqueous ammonia; condensation of ketones with formaldehyde, of pentaerythrite with diphenic acid, and of terphenols with formaldehyde; polyester resins; epoxy resins; production of levulinic acid from wood chips; reactions of chloroprene rubber; production of 2-methyl and 2-ethyl butadiene from furfurol. It may be seen from this survey that scientific research work conducted in all fields of organic chemistry by Bulgarian scientists in recent years has been vastly expanding. The author mentions the Bulgarian researchers Professor Georgi Rankov, Professor Dimiter Simov, Doctor Lyuben Zhelyazkov, the Soviet scientist Lutsenko and the Czech scientists V. Herout, M. Horák, J. Pliva, and F. Sorm.

ASSOCIATION: Sofia University, Department of Physics and Mathematics

SUBMITTED: October 15, 1959

IVANOV, D., akad.

Symposium on the hundredth anniversary of the founding of the theory of chemical structure by A.M. Butlerov. Spisanie BAN 7 no.1/2:105-108 '62.

IVANOV, D., akademik (Bolgariya)

Polyfunctional organometallic reagents and syntheses based on them. Zhur. VKHO 7 no.4:373-384 '62. (MIRA 15:8)
(Organometallic compounds) (Chemistry, Organic--Synthesis)

IVANOFF, D. [Ivanov, D.], akad.; MARKOFF, N. [Marekov, N.]; ZIDAROFF, E. [Zidarov, E.]

Syntheses with α-magnesyl-, and α-lithium sodium phenylacetate and the esters of mono- and dicarboxylic acids. Doklady BAN 15 no.5:487-490 '62.

1. Membre du Comité de rédaction, "Doklady Bolgarskoy Akademii nauk" (for Ivanov).

IVANOFF, D. [Ivanov, D.], akad.; BLAGOEV, B.

Preparation of an organomagnesian polyfunctional reagent containing piled double bonds and carboxyl group, and applied to certain syntheses. Doklady BAN 15 no.7:751-754 '62.

1. Bulgarska Akademiia na naukite (for Ivanov).

BLAGOEV, B.; IVANOFF, D. [Ivanov, D.]

Preparation of the polyfunctional organomagnesian reagents with triple carbon-carbon bond and carboxyl group, and their use in syntheses. Doklady BAN 16 no.2:185-188 '63.

IVANOFF, D. [Ivanov, D.]; ZIDAROV, E.

Behavior of o- and p-nitrotoluene toward lithium and sodium amide in a medium of liquid ammonia. Doklady BAN 16 no.5:513-516 '63.

1. Faculté de chimie, Chaire de chimie organique.

1. IVANOV, D.

2. USSR (600)

4. Compressors

7. Electric safety device for pressure valve of a horizontal compressor.
Khol. tekh. 29. No. 3. 1952.

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

IVANOV, D.

"Pneumatic Pusher for Mine Cars", P. 29, (RATSIONALIZATSIIA, Vol. 3, No. 10/11, Oct./Nov. 1953, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

IVANOV, D., glavnyy energetik.

Control desk. Khol.tekh. 30 no.2:67-69 Ap-Je '53. (MLRA 6:7)

(Automatic control)

1. Kholodil'nik no.9.

IVANOV, D.

Let us produce our minerals with minimum operational losses. p. 49.

Vol. 10, No. 4,
July/August, 1955
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Sofiya, Bulgaria.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 1, January, 1956.

IVANOV, D.

IVANOV, D. State of coal production and its prospective development with reference to the quality index of coal. p.4.

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SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 10, Oct. 1956.

IVANOV, D.
IVANOV, V.
MARKOVSKI, KH.

Application of mixed props, metal stands and wooden taps, in the shafts of the Nadezhda and Merichleri I mines, Maritsa Basin State Mine Enterprise, During 1957. p. 3.

Sofia, Nauchnoizsledovatelski institut za kamenovuglenata promishlenost. GODNISHNIK, Sofiia, Vol. 2, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 10, Oct. 1959
Uncl.

IVANOV, D.
IVANOV, M.

Application of assembled reinforced-concrete constructions for the preparatory work in the T. Nenkov State Mine Enterprise, Dimitrovo Okoliya, and the Bistritsa, Kyustendil Okoliya, during 1957. p. 37.

Sofia, Nauchnoizsledovatelski institut za kamenovuglenata promishlenost. GODNISHNIK, Sofiia, Vol. 2, 1956.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 10, Oct. 1959
Uncl.

IVANOV, D.

Investigations of the sudden ejections of coal and gas in the pits of the Balkan Coal Mine Basin during 1957. p. 125.

Bulgaria
Sofia, Nauchnoizsledovatelski institut za kamenovuglenata promishlenost.
GODNISHNIK, Sofiia, Vol. 2, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 10, Oct. 1959
Uncl.

IVANOV, D.

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p. 105 (Minno Delo, Vol. 12, no. 4, 1957, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9, September 1958

NAYDENOV, Atanas; IVANOV, Dimitr; VUCHEV, Georgi; RUSSKIY, I.I.(Narodnaya Respublika Bolgariya)

Using reinforced concrete supports in Bulgarian People's Republic coal mines. Ugol' 33 no.8:42-46 Ag '58. (MIRA 12:1)

(Bulgaria--Mine timbering)
(Reinforced concrete construction)

IVANOV, Dimitrij [Ivanov, Dimitr] okl.mernok. (Bolgar Nepkoztarsasag); IVANOV, Mihail [Ivanov, Mikhail] okl.mernok. (Bolgar Nepkoztarsasag]; NYIKOLAJEV, Nyikolaj [Nikolaev, Nikolai] okl.mernok (Bolgar Nepkoztarsasag)

The use of steel linings manufactured in Hungary for the support of tunnels in the coal mines of the Bulgarian People's Republic. Bany lap 94 no.12:800-803 D '61.

IVANOV, D., inzh.; VUCHEV, G.

Mechanized mine supporting, and possibilities of its application in Bulgaria. Min delo 17 no.6:3-6 '62.

1. Gl. inzhener na otdel "Energetika" pri Komiteta po tekhnicheskiia progres (for Ivanov). 2. Gl. spetsialist pri otdel "Vuglushta, neft i gaz" kum Komiteta po promishlenostta (for Vuchev).

IVANOV, D.A.

Remarks on section technicians and mechanics engaged in the establishment of radio facilities. Vest.sviazi 14 no.9:31 S '54.
(MLRA 7:10)

1. Nachal'nik Leningradskoy oblastnoy direktsii radiotranslyatsionnoy seti i elektrosvyazi.
(Telecommunication--Employees)

AUTHOR: Ivanov, D.A., Chief SOV/111-58-12-15/38

TITLE: More Automation of Rural Communication Facilities Is Necessary (Shire avtomatizirovat' sredstva svyazi na sele)

PERIODICAL: Vestnik svyazi, 1958, Nr 12, pp 13-14 (USSR)

ABSTRACT: The author tells of the experience gained in the Leningrad Oblast' with the introduction of communication facilities and the improvement or modernization of existing communication lines, as well as with the expansion of the wire broadcast network in rural areas. He recommends the application of VS-3 condensing equipment which will save many tons of valuable wire otherwise required for obtaining additional telephone channels.
There are 2 photos.

ASSOCIATION: Leningradskaya oblastnaya direktsiya radiotranslyatsionnoy seti (Leningrad Oblast Hg of the Radio Relay Network)

Card 1/1

IVANOV, D.A.; GRINBERG, G.B.

Certain problems concerning the introduction of telephone to rural areas. Vest. sviazi 21 no.11:25-27 N '61. (MIRA 14:11)

1. Nachal'nik Leningradskoy oblastnoy direktsii radiotranslyatsionnykh setey (for Ivanov). 2. Glavnyy inzh. Leningradskoy oblastnoy direktsii radiotranslyatsionnykh setey (for Grinberg).
(Telephone)

IVANOV, D.A.; KUZNETSOV, O.I.; ZAKHAROV, A.N., inzh.; KLYUCHEV, V.M.; KITOV, P.V.

Replies to S.M.IAkushev's article "What we expect from industry." Vest. sviazi 22 no.10:25-26 O '62. (MIRA 15:11)

1. Nachal'nik Leningradskoy oblastnoy direktsii radiotranslyatsionnoy seti (for Ivanov). 2. Starshiy inzh. vnutrirayonnoy svyazi Tomskoy kontory svyazi (for Kuznetsov). 3. Nachal'nik laboratorii Gor'kovskoy oblastnoy direktsii radiotranslyatsionnoy seti (for Klyuchev). 4. Nachal'nik Khar'kovskoy direktsii radiotranslyatsionnoy seti (for Kitov).

(Electric equipment industry)
(Radio--Equipment and supplies)
(IAkushev, S.M.)

IVANOV, Dmitriy Afanas'yevich, kand. voyennykh nauk, dots. polkovnik; SHEMANSKIY, Petr Vasil'yevich, kand. voyennykh nauk, polkovnik; YANOV, Vladimir Georgiyevich, kand. voyennykh nauk, dots. general-mayor; SINYAYEV, A.D., red.

[Control of troops in modern combined-arms combat] Upravlenie voiskami v sovremennom obshchevoiskovom boiu. Moskva, Voenizdat, 258 p. (MIRA 17:12)

IVANOV, D. A., et al.

Agriculture

Forage crop cultivation. Moskva, Sel'khozgiz, 1951.

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

IVANOV, D. A.

Meadows and pastures (northwestern part of the nonchernozem zone. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953. 212 p. (54-42773)

SB199.I88

IVANOV, D. A.

Improving hay fields pastures of the north-western area of non-Chernozem zone. Leningrad, 1954. 34 p.

M

Country : USSR
Category: Cultivated Plants. Fodders.

Abs Jour: RZhBiol., No 11, 1958, No. 48974

Author : Ivanov, D.A.
Inst : Leningradskaya Oblast Agricultural Experimental Station.
Title : Effectiveness of Granulated Organic Superphosphate on the Grasses in Feed Crop Rotation.

Orig Pub: Sb, tr. Leningr. obl s.-kh. opytn. st., 1956, No 24, 117-123

Abstract: In 1950-1952, experiments were made to study the effect of granulated organic (I), commercial granulated (II) and powdered (III) superphosphate on the yield of perennial grasses in meadow formation and in top dressing a sown meadow. These experiments

Card : 1/6

Country : USSR
Category: Cultivated Plants. Fodders.

Abs Jour: RZhBiol., No 11, 1958, No 48974.

were conducted on the slightly cultivated podzolic soil of the experimental base "Belogorka" of the Leningradskaya Oblast experimental station. The soil contained 7.5 mg/100 g of mobile P_2O_3. In meadow formation, 30 kg/ha of N were applied in the form of NH_4NO_3, 60 kg/ha of K_2O in the form of KCl and 15-60 kg/ha of P_2O_5 in the form of I-III, 2 t/ha of slate ash were also applied. Fertilizers were applied under the cover culture (oats) in layers - in the plowed layer and in the cultivated layer. Under the action of NK, the oat yield increased by 24.2%. Supplementary application of P 15, 30 or 60 in the form of I and 60 in the form

Card : 2/6

Country : USSR
Category: Cultivated Plants. Fodders.

M

Abs Jour: RZhBiol., No 11, 1958, No 48974

of II or III secured identical additional crop increases of 5-5.[illegible]%. The average 2-year increase in the yield of the grasses comprised [illegible].9% under the action of NK, and application of P_{15} or of P_{30} in the form of I did not produce any additional increase in the yield. With the application of P_{60} in the form of I-III additional crop increase of 8-18% was obtained. The study of the effect of I and III on the hay yield of the sown meadow was conducted on medium cultivated soil with a P_2O_5 content of 7.5 mg/100 g, according to Kirsanov's method. The effect of I and III was studied on a background of top dressing with $N_{30}K_{45}$ + 1 t/ha. of slate ash. I was prepared from humus and powdered Pc (3:1).

Card : 3/6

Country : USSR
Category: Cultivated Plants. Fodders.

M

Abs Jour: RZhBiol., No 11., 1958, No 48974

The selection of granules for separate variants of the experiment was conducted by means of counting and weighing the granules in such a manner that the aggregate amount of P_2O_5 in all variants comprised 20 kg/ha. On 1 m^2 4, 16 or 64 planting holes were prepared into each of which 1 granule of I was introduced. Introduction of I and II into the holes to the depth of 15 cm was compared with application of I in the amount of 64 granules on 1 m^2 with subsequent raking and with application of III on the surface without any fixing in. Under the action of NK, the average grass yield for 2 years rose by 20%. Placement of I in the form of

Card : 4/6

Country : USSR
Category: Cultivated Plants. Fodders.

Abs Jour: RZhBiol., No 11, 1958, No 48974

large granules (4 granules on 1 m^2) into the holes produced a further crop increase of 5.7%. With the introduction of 16 granules on 1 m^2, the increase in the hay yield comprised about 9% in comparison with NK. With introduction of the same amount of II into 16 holes, an increase of about 6% was obtained, and with the application into the holes of 64 granules per 1 m^2 the increase in the yield was 11.5%. With the application of 64 granules of I on the surface, the increase in the yield comprised about 4%. The top dressing with III without fixing in, produced a decrease in the grass yield by 10% in comparison with NK. This was probably due to the partial burning of the leaves. The author be-

Card : 5/6

M

Country : USSR
Category: Cultivated Plants. Fodders.

Abs Jour: RZhBiol., No 11, 1958, No 48974

lieves that in the additional side-dressing of perennial grasses, the introduction of 64 granules of I on 1 m^2 to the depth of 15 cm is the most effective method. -- B.P. Pleshkov!

Card : 6/6

IVANOV, D

USSR/Meadow Science. L.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15435

Author : D. Ivanov
Inst :
Title : Ways of Improving the Food Base in the Kolkhozes and Sovkhozes of the North-West Zone.
(Puti uluchsheniya kormovoy bazy v kolkhozakh i sovkhozakh severo-zapadnoy zony).

Orig Pub : Molochn. i myasnoye zhivotnovodstvo, 1957, No 7, 36-41.

Abstract : The productivity of seed culture pastures is on the average 3334 food units, and the natural forest pasture only 350-400 units. Fine results were obtained by improving natural pastures, by introducing the enclosure system of cattle pasturage, the use of green and silo fodders. One recommends for the latter purpose: corn, fodder cabbage, the Jerusalem artichoke, edible roots and especially turnips.

Card 1/1

5

IVANOV, D.A.

[Perennial cultivated pastures) Dolgoletnie kul'turnye pastbishcha. Lenizdat, 1958. 110 p. (MIRA 12:1)
(Pastures and meadows) (Forage plants)

IVANOV, D.A., kand. sel'skokhoz. nauk

Fall work on cultivated perennial pastures. Zemledelie 7 no.8:69-74 Ag '59. (MIRA 12:10)

1. Severo-Zapadnyy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

(Pastures and meadows)

LEONT'YEV, Vladimir Mitrofanovich, kand.sel'skokhoz.nauk; KARNAUKHOV, Ivan Prokof'yevich, kand.sel'skokhoz.nauk; IVANOV, Dem'yan Andreyevich, kand.sel'skokhoz.nauk; IVASHKINA, L.A., red.; CHUMAYEVA, Z.V., tekhn.red.

[Field crop and meadow cultivation] Polevodstvo i lugovodstvo. Izd.3., perer. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 696 p. (MIRA 14:3)
(Field crops) (Pastures and meadows)

IVANOV, D.A.

[Cultivated pastures] Kul'turnye pastbishcha. Leningrad, Lenizdat, 1961. 127 p. (MIRA 15:4)
(Pastures and meadows) (Forage plants)

ASTAKHOV, I.I., glav. red.; ANSIN, A.N., red.; IVANOV, D.A., red.; KORNILOV, M.F., doktor sel'khoz. nauk, red.; KONYUKHOV, V.N., kand. sel'khoz. nauk, red.; MARKITANTOVA, A.V., uchenyy sekretar', red.; SAPOZHNIKOV, N.A., red.; DMITRIYEV, N.N., red.

[Science in the service of agricultural production; collection of scientific and technical information] Nauka - sel'skokhoziaistvennomu proizvodstvu; sbornik nauchno-tekhnicheskoi informatsii. Leningrad, Lenizdat, 1964. 143 p. (MIRA 17:3)

1. Leningrad. Severo-zapadnyy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

GERCHIKOV, Ye.Ya.; KVASHA, I.N.; ROYTBLAT, M.M.; IVANOVA, V.F.; BANAS, N.A.; IVANOV, D.A.

Papers presented by the participants of a conference. Vest. sviazi 24 no.6:4-10 Je '64. (MIRA 17:11)

1. Nachal'nik upravleniya elektrosvyazi i radiofikatsii Ministerstva svyazi UkrSSR (for Gerchikov). 2. Zamestitel' ministra svyazi BSSR (for Kvasha). 3. Glavnyy inzh. Stavropol'skogo krayevskog upravleniya svyazi (for Roytblat). 4. Glavnyy inzh. TSelinnogo krayevogo upravleniya svyazi (for Ivanova). 5. Glavnyy inzh. Altayskogo krayevogo upravleniya svyazi (for Banas). 6. Nachal'nik Leningradskoy oblastnoy direktsii radiotranslyatsionnoy seti (for Ivanov).

IVANOV, D.A., doktor sel'skokhozyaystvennykh nauk

Cultivated pastures. Zemledelie 27 no.9:39-43 S '65. (MIRA 18:10)

1. Severo-Zapadnyy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

IVANOV, D.D. (Moskva, Bryusovskiy per., d.2/14, kv.31)

Dissertations for the degree of candidate of medical sciences on problems in anatomy, histology and embryology, submitted in 1954.
(BIBLIOGRAPHY--ANATOMY)

IVANOV, D. D.

STAROSEL'SKAYA-NIKITINA, O.A.; KRASNOUKHOVA, O.V.; MAKAROVA, V.I.; KAMINER, L.V.; PIL'SHCHIKOVA, P.V.; GRIGOR'YAN, A.T., redaktor; IVANOV, D.D., redaktor; FIGUROVSKIY, N.A., redaktor; ANTONYUK, L.D., redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor

[History of the natural sciences; literature published in the U.S.S.R. (1948-1950)] Istoriia estestvoznaniia; literatura, opublikovannaia v SSSR (1948-1950). Otvetstvennye redaktory: A.T.Grigor'ian, D.D.Ivanov, N.A.Figurovskii. Moskva, Izd-vo Akademii nauk SSSR, 1955. 395 p. (MIRA 8:7)
(Bibliography--Science--History)

IVANOV, D.D.

Preliminary data with regard to fluorescence microscopy of neurons. Biofizika 1 no.4:391-395 '56. (MLRA 9:9)

1. Institut eksperimental'noy patologii i terapii raka AMN SSSR, Moskva.
(FLUORESCENCE MICROSCOPY) (NERVES)

IVANOV, D.D., kandidat meditsinskikh nauk

Topography of lymph nodes of the gastrointestinal ligament. Khirurgiia 32 no.12:24-25 D '56. (MLRA 10:2)

1. Iz Instituta eksperimental'noy patologii i terapii raka Akademii meditsinskikh nauk SSSR (dir. - prof. N.N.Blokhin)

(LYMPH NODES, anat. and histol.
topography of lymph nodes of gastrointestinal ligament)
(LIGAMENTS, anat. and histol.
gastrointestinal, topography of lymph nodes)

IVANOV, D.D., kand.med.nauk (Moskva)

"Anatomy of the autonomic nervous system" [in English] by G.A. Mitchell
Reviewed by D.D. Ivanov. Arkh.anat. gist. i embr. 33 no.1:100 Ja-Mr '56
(MIRA 12:1)

(NERVOUS SYSTEM, AUTONOMIC)
(MITCHELL, G.A.).

IVANOV, D.D. (Moskva, K-9, Bryusovskiy per. d.2/14, kv.31)

Dissertations on anatomy, histology, and embryology in 1955-1956.
Arkh.anat.gist. i embr. 34 no.4:118-120 Jl-Ag '57. (MIRA 10:11)
(BIBLIOGRAPHY--ANATOMY)

IVANOV, D. D., Doc Med Sci (diss) -- "The age morphology of the ovarian plexus of man (Morphological investigation)". Moscow, 1959. 12 pp (Min Health RSFSR, Kazan' Med Inst), 250 copies (KL, No 20, 1959, 115)

IVANOV, D.D. (Moskva, K-9, Bryusovskiy per., d.2/14, kv.31)

Dissertations on anatomy, histology and embryology. Arkh.anat., gist. i embr. 36 no.6:120-122 Je '59. (MIRA 12:9)
(ANATOMY,
bibliog. (Rus))
(HISTOLOGY,
same)
(EMBRYOLOGY
same)

ANDREYEV, A.L., doktor med. nauk, otv. red.; IVANOV, D.D., kand. med. nauk, zam. otv. red.;

[Chemical and morphological bases of biogenic treatment for nervous and mental diseases] Khimio-morfologicheskie osnovy biogennoi terapii nervno-psikhicheskikh zabolevanii. Moskva, Mosk. nauchn. ob-vo nevropatologov i psikhiatrov. Vol.1. 1961. 183 p. (MIRA 14:8)
(MENTAL ILLNESS)) (TISSUE EXTRACTS) (PROTEINS—THERAPEUTIC USE)

SEMIOKHINA, A.F.; IVANOV, D.D.; GOLUBITSA, A.N.

Study of the psychotropic preparation VL-2 on a model of audiogenic epilepsy. Nauch.dokl.vys.shkoly; biol.nauki no.4:71-73 '65. (MIRA 18:10)

1. Rekomendovana kafedroy fiziologii vysshey nervnoy deyatel'nosti Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

IVANOV, D. F.

"Anatomic-Optical Principle of the Development of Refraction in the Eye." Cand Med Sci, Dnepropetrovsk Medical Inst, Dnepropetrovsk, 1954. (RZhBiol, No 7, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

S/133/61/000/002/011/014
A054/A033

AUTHOR: Ivanov, D.F.

TITLE: News in Brief

PERIODICAL: Stal', 1961, No. 2, p. 173

TEXT: 1. Since it was impossible the Novosibirskiy metallurgicheskiy zavod (Novosibirsk Metallurgical Plant) to reduce the amount of graphite separating in cold-rolled structural strips made of У7А -У10А (U7A-U10A) steel, with a final thickness of 0.8-0.4, only by cutting down the period of tempering, it was recommended to use steels which tended to graphitize and which were to be used for making thin cold-rolled strips, in single coils, according to the following technology:

Successive cold rollings	I	II	III
Reduction of the strip, mm	2.1-1.8	1.8-1.1	1.1-0.55
Conditions of tempering, °C, in brackets holding time in hours:			

Card 1/3

I. temperature drop	750 (5)	750 (5)	750 (5)
II. Temperature drop	700 (6)	680 (6)	660 (5)
Cooling under switched off hood	(2)	(1)	-

The introduction of this new method greatly reduced the free carbon separation and saved 150,000 rubles a year as a result of the improvement of the strip quality. 2. Tests were carried out to determine the character of heating of the metal in cylindrical electric furnaces with fans on the stands. Moreover, the tempering conditions for various steels and the effect of operating these furnaces with technological thermocouples were investigated. It was found that the heating period and holding time during tempering varied - depending on the charge weight - from 11 to 17 hours, instead of 22-25 hours when operating without fans on the stands. The temperature drop in the new system, vertically and horizontally in the charge, decreased by about 60-40°, the cooling of the charge under muffle: from 75-95 hours to 30-48 hours, also depending on the charge weight. The average duration of the total tempering period decreased 1.5-1.8 times and the specific electric power consumption also dropped. By providing 12 furnaces with fans on the stands, about 100,000 rubles could be saved annually. 3. Industrial scale tests carried out with 550 specimens taken from 18 types of structural and alloy steels re-

vealed that at an identical cold-working degree of carbon steels the strength limit and yield point increase with the rise in carbon content of the steel in the proximity of the eutectoid content, but once they have attained this degree, these values decrease. When the carbon content was raised from 0.1-0.9%, the rate of increase of the yield limit, and particularly that of the strength limit accelerated. With a carbon-content of more than 0.8%, the decrease in the strength limit was also more rapid than that of the yield point. 4. From the investigation of 16 melts produced in electric furnaces it was found that by a single cold rolling (reduction: 43-60%) of the previously annealed hot-rolled product with a Si-content of 3.0-3.3%, sheets can be manufactured which show - after final annealing in vacuum - at 1150°C magnetic induction (according to B_{25}) of more than 17,000 gauss. Steel with a Si-content of 1.96% has an induction of 17,000 gauss only when the sheet thickness is 1.0-1.5 mm; when it is 2.0 mm, induction does not exceed 16,000-16,400 gauss.

IVANOV, D.F., kand.med.nauk

Application of V.P. Filatov's tissue therapy in Iran. Oft.zhur. 13 no.8:474-477 '58. (MIRA 12:2)
(IRAN--TISSUE EXTRACTS)

LJUSTINA-IVANCIC, Nevenka, dr.; GRGIC, Zvonimir, dr.; IVANOV, Dako, dr.

Ocular changes in hemoblastoses. Lijecn. vjesn. 85 no.8: 853-860 '63.

1. Iz Ocne i Interne klinike Medicinskog fakulteta Sveucilista u Zagrebu.

(HODGKIN'S DISEASE) (LEUKEMIA)
(LEUKEMIA, LYMPHOCYTIC)
(MULTIPLE MYELOMA)
(SARCOMA, RETICULUM CELL)
(EYE MANIFESTATIONS)

S

CEPELJA, Zvonimir, dr.; GRGIC, Zvonimir, dr.; IVANOV, Dako, dr.

Bone marrow lesions due to chloramphenicol. Lijecn. vjesn. 85 no.9:995-1000 '63

1. Iz Interne klinike Medicinskog fakulteta u Zagrebu.

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BULGARIA/Chemical Technology. Chemical Products and Their Application - Fertilizers. H-9

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15118

Author : Ivanov Diko
Inst :
Title : Selection of District and Location for Building A Second Plant of Nitrogen Fertilizers.

Orig Pub: Ikonom. mis"l, 1957, 2, No 3, 74-89.

Abstract: No abstract.

Card : 1/1

IVANOV, D.; Gochev, V.; Kostova, D.

TECHNOLOGY

Periodicals TEKHNIKA Vol. 7, no. 10, 1958

IVANOV, D. ; Gochev, V.; Kostova, D. Extracting potassium from glauconite for production of alkaline fertilizers. p. 7.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, May 1959, Unclass.

B-6

COUNTRY : Bulgaria
CATEGORY :

ABS. JOUR. : RZKhim., No. 22 1959, No. 79106

AUTHOR : Ivanov, D. G., Goshev, V. M., and Zholakova, D.S.
INST. : Not given
TITLE : The Extraction of Potassium from Alkaline Syenite from a Deposit Near Svidnya Village, Sofia Oblast by the Hydrothermal Process

ORIG. PUB. : Khimiya i Industriya (Bulgaria), 30, No 5, 139-142 (1958)

ABSTRACT : The possibility of extracting potassium from syenites with high alkalies content has been established. The syenites are mixed with CaO and water and treated for 6 hrs in an autoclave under a pressure of 20 atm. The oxides of potassium and aluminum which pass into solution during the decomposition of the syenites are separated by carbonation with the formation of $CaCO_3$ containing small amounts of Al_2O_3. The soluble carbonates of K and Na are converted to other

CARD: 1/2

COUNTRY : Bulgaria
CATEGORY :

ABS. JOUR. : RZKhim., No. 22 1959, No. 79126

AUTHOR :
[illegible] :
TITLE :

ORIG. PUB. :

ABSTRACT : compounds. The residue from the filtration of the product mass obtained in the autoclave has a composition close to that of portland cement and can be used in the manufacture of the latter. The bibliography lists 12 titles.

Ye. Stefanovskiy

CARD: 2/2

COUNTRY : Bulgaria
CATEGORY :

H-8

ABS. JOUR. : RZKhim., No. 21 1959, No. 75403

AUTHOR : Ivanov, D. G., Gochev, V. M., and Cholakova, D. S.
INST. : Not given
TITLE : The Extraction of Potassium from Alkaline Syenite from a Deposit Near Svidnya Village, Sofia Oblast, by the Hydrothermal Process

ORIG. PUB. : Khimiya i Industriya (Bulgaria), 30, No 6, 162-164 (1958)

ABSTRACT : The authors have studied the effect of the addition of $CaCl_2$ on the extraction of K. An increase in the degree of extraction of potassium is obtained when the syenite is decomposed hydrothermally with the addition of $CaCl_2$ or mixtures of $CaCl_2$ and $CaCO_3$; the K, Na, and the greater portion of the calcium go into solution in the form of the chlorides, which facilitates the subsequent processing. The maximum yield of K_2O (98.1%) is obtained at a $CaCl_2$: syenite ratio

CARD: 1/2

IVANOV, D. G.; DIMITROV, M.

Obtaining iron catalyzers for synthesis of ammonia from local raw materials; first report. Godishnik khim tekh 5 no.2:33-48 '58 (Publ. '60).

IVANOV, D. G., dr., inzh.

Chemicalization of agriculture. Khim i industriia 33 no.2:33-34 '61.

IVANOV, Diko G., prof.; BOZADZHIEV, Pesho Sl., inzh.

Present state and trends in the production of microfertilizers.
Tekhnika Bulg 11 no.5:161-165 '62.

IVANOV, D.G.; TRENDAFILOV, Tr.; KURSHEV, Iv.P.

Preparing the thermophosphates with our own raw materials. Note 2. Khim i industriia 34 no.2:49-53 '62.

IVANOV, D.G.; GOCHEV, V.M.; CHOLAKOVA, I.F.

Extraction of potassium from waste lye in the Pomoriiski Solnitsi State Mining and Salt Enterprise for the obtainment of potassium fertilizers. Khim i industriia 35 no.6:206-209 '63.

IVANOV, Diko G., prof. inzh.; KURSHEV, Ivan P., inzh.; BOZADZIEV, Pesho St., inzh.

Obtaining phosphoronitric fertilizers by deep ammonization os superphosphate. Tekhnika Bulg. 12 no.3:1-5 '63.

GOCHEV, V.M.; IVANOV, D.G.

Caking of alkali syenite with calcium and sodium carbonates.
Khim i industriia 36 no. 3:86-90 '64.

KURSHEV, Iv.; IVANOV, D.G.; ROKOV, Ch.I.; ANDONOV, G.V.

Preparing ammonium chloride by heating a mixture of hard ammonium sulfate and hard potassium chloride. Khim i industriia 36 no.7: 247-250 '64.

1. Chemical and Technological Institute, Sofia (for Kurshev and Ivanov).

IVANOV, D.G.; SHISHKOV, I.S.

Phase equilibria in the system copper-ammonium-acetate solution -- carbon monoxide at 300 kg/cm^2 pressure. Zhur. prikl. khim. 37 no.10:2187-2198 O '64.

(MIRA 17:11)

ACC NR: AF6029031 SOURCE CODE: UR/0413/66/000/014/0042/0042

INVENTORS: Klimov, V. V.; Andreyev, A. Ya.; Nakhodnova, A. P.; Kozachenko, V. N.; Akhkozov, Ye. A.; Ivanov, D. G.; Didkovskaya, O. S.; Zvonik, V. A.

ORG: none

TITLE: A method for obtaining a piezoceramic material. Class 21, No. 183812 [announced by Donets Branch of All-Union Scientific Research Institute of Chemical Reagents and of High Purity Chemicals (Donetskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 42

TOPIC TAGS: piezoelectric ceramic, barium compound, lead compound, calcium compound, titanium compound, sintered alloy

ABSTRACT: This Author Certificate presents a method for obtaining a piezoceramic material from a mixture of barium, lead, calcium, and titanium compounds by sintering this mixture. To lower the temperature of sintering this material, the above compounds are used in the form of nitric acid solutions of barium, lead, calcium, and titanium. This solution is atomized in a stream of air at the temperature of 400—500C. After this, the powder is sintered at the temperature of 800—1000C.

SUB CODE: 11/ SUBM DATE: 21May64

Card 1/1 UDC: 621.315.612:537.226.33

Kak ia poluchaiu vysokie medosbory (How I get high yields of honey). Moskva, Selkhozgiz, 1954. 32 p.

SO: Monthly List of Russian Accessions, Vol 7, No 9, Dec 1954

IVANOV, D.I.

Bracket for scaffoldings used in erecting reservoirs. Rats. i izobr. predl. v stroi. no.110:26-27 '55. (MLRA 8:10)
(Scaffolding)

IVANOV, Dmitriy Ivanovich; CHERVOVA, M.S., red.; LEVONEVSKAYA, L.G., tekhn.red.

[Color photography] TSvetnoe fotografirovanie. [Leningrad] Lenizdat, 1957. 78 p. (MIRA 11:5)
(Color photography)

IVANOV, D.I., inzh.

Investigating synchronous low-power generators used as compensators. Mekh. i elek. sots. sel'khoz. 17 no.1:32-34 '59. (MIRA 12:1)

1.Omskiy sel'skokhozyaystvennyy institut.
(Electric generators)

IVANOV, D.I.

Made by the division forces. Put' put.khoz. 8 no.2:27 '64.
(MIRA 17:3)

1. Nachal'nik Leningrad-Baltiyskoy distantsii Oktyabr'skoy dorogi.

ROTERMEL', Bruno Pavlovich; IVANOV, Dmitriy Ivanovich; MAKHROV, M.K., red.; PLAKHTIYENKO, T.I., red.; DEYEV, P.G., tekhn. red.

[Electrical equipment of tractors and combine harvesters; their installation, operation, maintenance and repair] Elektrooborudovanie traktorov i kombainov; ustroistvo, ekspluatatsiia, tekhnicheskii ukhod, neispravnosti i ikh ustranenie. Omsk, Omskoe knizhnoe izd-vo, 1962. 148 p. (MIRA 16:4)

1. Omskiy sel'skokhozyaystvennyy institut im.S.M.Kirova (for Rotermel', Ivanov).

(Harvesting machinery--Electric equipment)
(Tractors--Electric equipment)

IVANOV, Dmitriy Ivanovich; ZENCHENKO, Petr Mikhaylovich, tekhnolog; CHUPRUNOV, V.I., nauchn. red.; KAZAKOV, Yu.S., red.

[Finishing work in shipbuilding] Iz opyta sudovykh dostroechnykh rabot. Leningrad, Sudostroenie, 1964. 74 p. (MIRA 18:1)

YAKOVLEV, T.G., kand. tekhn. nauk; IVANOV, P.I.

Machine for centrifuge modeling, its parameters and characteristics. Trudy MIIT no.177:147-164 '63. (MIRA 17:10)

327. IVANOV D.I. Gastro-intentinal reflex in caisson disturbances during rapid rise to high altitudes American Review of Soviet Medicine 1947,5/1 (49-51) Graphs I

The effect of rapid change from normal to reduced barometric pressure was examined in animals. Autopsy showed partial rupture of the mucosa, and frequently a complete rupture of the stomach wall. Experiments were carried out under lowered and then under normal atmospheric pressure. The degree of rarefaction in the chamber corresponded to altitudes of 8,000 to 12,000 metres. The duration of the aerial voyages was one to two minutes. Anoxia was eliminated by introducint oxygen into the chamber. In the second series of experiments examinations were made with tying off and distending different segments of the intestine. The pressure in the intestines was 20 to 100 mm Hg. The effect of a distended intestinal loop upon respiration and on arterial and venal pressure was noted. The experiments were performed on dogs, goats and rabbits. Altitude of the take-off was 10,000 to 12,000 metres. It was found that the intestinal and gastric reflexes contribute to the development of aviator's disease under rarefied conditions. Transitory apnoea and hypotension created conditions favourable to the development of vascular air embolism during a sudden decrease of barometric pressure. A difference is thus seen in the development of caisson disease as between divers and pilots. Merényi - Budapest

SO: Physiology, Biochemistry & Pharmacology, Section II, Vol. 2, No. 1,5

BESTUGIN, A.V.; IVANOV, D.I.; MALKIN, V.B.; PRUTSKOY, A.N. (Moskva)

Piezoelectric pickup for recording ballistocardiographic changes on an electrocardiograph. Fiziol.zhur.43 no.9:906-908 S '57. (MIRA 10:11)

(BALLISTOCARDIOGRAPHY, apparatus and instruments, piezo-electric counter for registration on electrocardiograph (Rus))

IVANOV, D.I.; STURUA, G.G.

Supplying the organism with oxygen under conditions of extremely rarefied atmosphere (experiments with animals) [with summary in English]. Biofizika 4 no.2:243-249 '59. (MIRA 12:4)

1. Nauchno-issledovatel'skiy institut aviatsionnoy meditsiny, Moskva.

(ANOXIA, eff.
resp. of anesthetized animals in simulated extreme altitudes (Rus))

GURFINKEL', V.S.; IVANOV, D.I.; IVANOV, A.Yo.; MALKIN, V.B.

Use of Na^{24} in studying blood circulation during respiration under increased pressure. Biofizika 4 no. 4:498-503 '59. (MIRA 14:4)

1. Nauchno-issledovatel'skiy institut aviatsionnoy meditsiny, Moskva.
(SODIUM—ISOTOPES) (OXYGEN—PHYSIOLOGICAL EFFECT)
(BLOOD—CIRCULATION)

VLASOV, Yu.A.; GURFINKEL', V.S.; IVANOV, D.I.; MALKIN, V.B.; POPOVA, Ye.O.; SHIK, M.L.

Hemodynamic studies during the respiration of O_2 under excessive pressure. Biul. eksp. biol. i med. 51 no.4:22-27 Ap '61. (MIRA 14:8)

1. Iz Instituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye.N.Meshalkin) Sibirskogo otdeleniya AN SSSR, Novosibirsk. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(BLOOD--CIRCULATION) (RESPIRATION)
(ATMOSPHERIC PRESSURE--PHYSIOLOGICAL EFFECT)

YAKOVLEVA, T.G., kand. tekhn. nauk; IVANOV, D.I.

Centrifugal modeling at the service of railroaders. Put' i put. khoz. 9 no.10:29-30 '65. (MIRA 18:10)

1. Starshiy inzh. puteispytatel'noy laboratorii Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Ivanov).

L 14259-66 RD
ACC NR: AT6003902 SOURCE CODE: UR/2865/65/004/000/0642/0645

AUTHOR: Ivanov, D. I.; Malkin, V. B.; Popkov, V. L.; Popova, Ye. O.; Chernyakov, I. N.

ORG: none

TITLE: Automatic analysis of diurnal periodic changes in human EEG rhythms

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 642-645

TOPIC TAGS: electrophysiology, man, brain

ABSTRACT: Existing studies of circadian variations in EEG rhythms are of limited value for establishing norms against which to evaluate EEG effects of external environmental factors, since they are almost always collected from patients in pyschiatric hospitals or from healthy individuals during natural sleep. In addition, all existing studies have relied on visual analysis of EEG traces.

In the present study, the EEG's of healthy male subjects were taken 4 times daily (10 a. m., 5 p. m., 1 a. m., and 5 a. m.) for 10 to 30 days.

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Bipolar leads (frontal and occipital) were used. EKG's, pneumograms, and arterial blood pressure were simultaneously recorded.

Frequency analysis of EEG's (after band filter separation of the delta-, theta-, alpha-, and beta-rhythms) yielded data on frequency shifts in individual physiological rhythms. Total EMF (total bioelectric intensity) of the EEG's and the bioelectric intensity of individual biocurrent rhythms were obtained as ratios on an integrator.

Frequency analysis of the EEG's showed that delta- and theta-waves are always present in the waking state, a fact never ascertained by visual analysis of EEG traces owing to the masking effect of the higher frequency alpha- and beta-rhythms. These results cast doubt on the established theory that delta- and theta-waves appear in the EEG only during deep inhibition of the CNS (by drugs or sleep) or in pathological states (hypoxia, psychic disturbances, coma, etc.).

The observation of delta- and theta-waves under the latter conditions is due to increased amplitude of the slow rhythms and probably also to reduced alpha- and beta-activity in the cerebral cortex. However, delta- and theta-rhythms are always present, and can be recorded both in the waking and sleeping states.

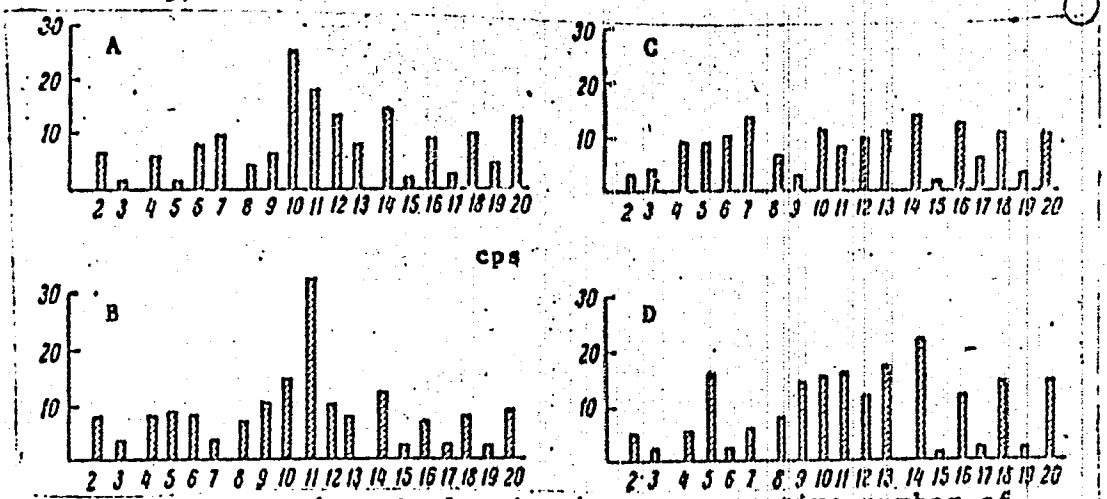
The general EEG picture over a 24-hr period is thus not determined by the alternation of rhythms. The alpha-rhythm is most nearly characteristic of the overall circadian EEG picture.

Most of the 5-p.m. EEG's show a 1 to 2 cps shift of the dominant alpha-rhythm toward higher frequencies by comparison with the morning EEG's (see figure). In the sleeping EEG spectograms, the characteristic daytime alpha-spike was absent and the number of low-frequency alpha waves was greater. Distribution of alpha-waves was comparatively even over the whole range (8 to 13 cps) of the alpha-wave pass filter. The total number of alpha-waves was less than in daytime EEG's.

Nighttime waking EEG's (5 a. m.) generally showed at alpha-rhythm picture close to that of 5-p. m. EEG's (at the end of the working day), and in some cases an alpha-rhythm distribution similar to that of sleeping EEG

L 14259-66

ACC NR: AT6003902



EEG Spectrograms (vertical axis shows comparative number of waves of each frequency)
A - 10 a.m.; B - 5 p.m.; C - 1 a.m. (sleeping); D - 5 a.m. (waking). 2-3 cps = delta-rhythm, 4-7 cps = theta-rhythm, 8-13 cps = alpha-rhythm, 14-20 cps = beta-rhythm

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As stated above, delta- and theta-waves were never absent from the EEG's. The total number of delta- and theta-waves isolated by the pass filter, always several times less than the total number of alpha- and beta-waves, varied greatly: delta-waves from 1 to 15 in 10 sec, theta-waves from 15 to 56 in 10 sec. No clearcut dependence could be established between the number of delta- and theta-waves and the time of day.

The total EMF and the EMF's of the theta-, alpha-, and beta-rhythms individually were fairly consistent for a given time of day. The lowest EMF's were noted in the morning and the highest at night during sleep. The 5-p.m. EMF was generally higher than the 10-a.m. EMF. Evenings EMF's were higher both with eyes closed and with eyes open. The eyes-closed EMF was more pronounced (143%--300% of the eyes-open EMF).

Eyes-closed theta- and beta- EMF's changed very little or not at all. It is concluded that EMF changes in waking EEG's are due primarily to alpha-EMF changes. Increased EMF during sleep results not from greater numbers of delta- and theta-waves, but from increase in their amplitude.

Orig. art. has: 1 figure. [ATD PRESS: 4091-F]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 002

IVANOV, L.T.

Development of the woodpulp and paper industry in the postwar period. Trudy LNITSBP no.15:37-43 '65.

(MIRA 18:8)

IVANOV, D.I.; MALKIN, V.B.; POPKOV, V.L.; POPOVA, Ye.O.; CHERNYAKOV, I.N.

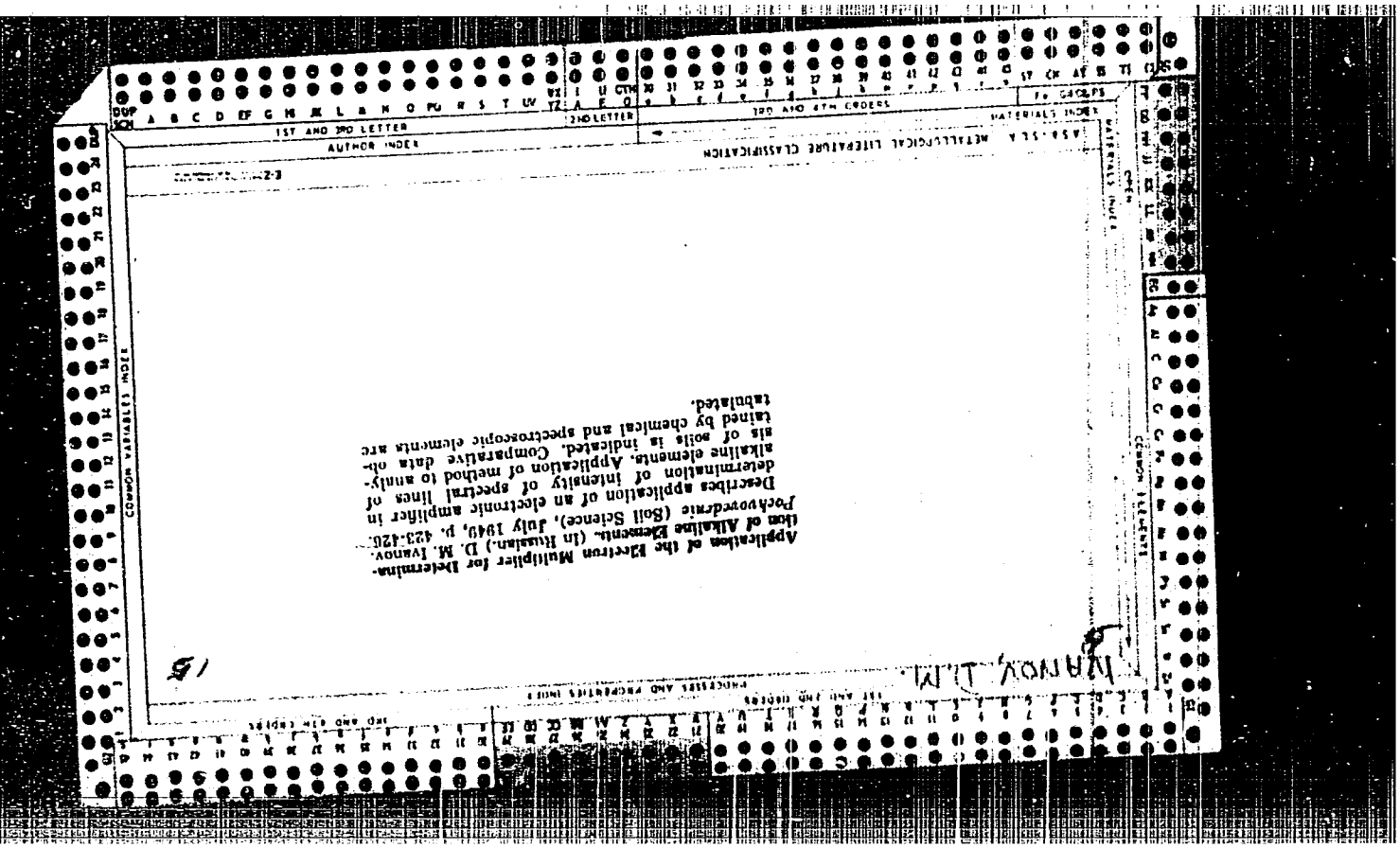
Automatic analysis of diurnal periodic changes in the human electroencephalogram. Probl. kosm. biol. 4:642-644 '65.
(MIRA 18:9)

IVANOV, D.I.

Selecting efficient methods for recording the displacements in a field of centrifugal forces. Trudy MIIT no.210: 105-117 '65. (MIRA 18:12)

IVANOV, Dmitriy Ivanovich

[It was on the Baltic; recollections of a sailor] Eto bylo na Baltike; vospominaniia matrosa. L'vov, Kamenlar, 1965. 228 p. (MIRA 19:1)



Application of the Electron Multiplier for Determination of Alkaline Elements. (In Russian.) D. M. Ivanov. Pochvovedenie (Soil Science), July 1949, p. 423-426.

Describes application of an electronic amplifier in determination of intensity of spectral lines of alkaline elements. Application of method to analysis of soils is indicated. Comparative data obtained by chemical and spectroscopic elements are tabulated.

IVANOV, D.M.

Using maps at 1:10,000 and 1:25,000 scales as bases for projecting linear structures. Geod.i kart. no.4:50-52 Ap '62. (MIRA 15:12)

(Surveying) (Building sites)

S/260/62/000/021/001/001

AUTHOR: Vasilev, Yordan L. and Ivanov, Dimitr M.

TITLE: Experience in manufacturing miniature heat-resistant resistors and thermistors

PERIODICAL: Referativnyy zhurnal, pribory tochnoy mekhaniki i ispytatel'nye ustanovki, (special) no. 21, 1962, 15, abstract 40.21.110. (Tr. N.-i in-ta okhrany truda i prof. zabolevaniy, 8, 1961, 245-248)

TEXT: The technology of manufacture and the procedure for testing thermistors with a power of 0.5-5 mw. Thermistors are to be made from NiO, Mn_2O_3, PbO, and CuO in ratios of 40, 30, 20 and 10% which will ensure a sensitivity of about 4%/1° at 20° and high stability (permitting measurements of 0.0005°). [Abstracter's note: Complete translation.]

Card 1 of 1

S/124/63/000/001/034/080
D234/D308

AUTHOR: Ivanov, Dimit"r M.

TITLE: A semi-conductor device for measuring the average velocities of air streams

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1963, 110-111, abstract 1B685 (B"lg. tyutyun, 1962, no. 2, 38-41 (Bul.))

TEXT: A short description of a laboratory thermoanemometer with a semi-conductor sensing element (thermistor) for measuring average velocities of air stream.
[Abstracter's note: Complete translation]

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