SOV/51-5-3-5/21

AUTHORS: Babushkin, A.A., Gribov, L.A., Guseva, N.G. and Yemel'yanova, V.M.

TITLE: Investigation of the Vibrational Spectra of the Molecular Compounds of Boron Trifluoride with Nitrogen and Oxygen-Containing Substances. (Issledovaniye kolebatel'nykh spektrov molekulyarnykh soyedineniy trekhftoristogo bora s azot- i kislorodsoderzhashchimi veshchestvami). II. On the Structure of the Molecular Compounds of Boron Trifluoride with Methanol, Ethanol and Water (II. O stroyenii molekulyarnykh soyedineniy trekhftoristogo bora s metanolom, etanolom i vodoy).

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 3, pp 256-263 (USSR)

ABSTRACT: Part I is given in Ref 1. Boron trifluoride forms two types of molecular compounds with water and the two alcohols. In one type there is one molecule of water or alcohol for each molecule of BF_3 (1:1) while in the other type there are two molecules of water or alcohol for each BF_3 molecule (1:2). The authors obtained the infrared absorption spectra of molecular compounds of both types: $BF_3.H_2O$, $BF_3.2H_2O$, $BF_3.CH_3OH$, $BF_3.2CH_3OH$, $BF_3.C_2H_5OH$, $BF_3.2C_2H_5OH$. The measurements were made in two spectral regions: the region of fundamental valence vibrations of OH and CH (2000-3800 cm^{-1}) and the

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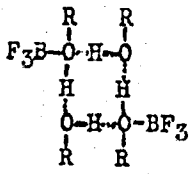
Investigation of the Vibrational Spectra of the Molecular Compounds of Boron Trifluoride with Nitrogen and Oxygen-Containing Substances. II. On the Structure of the Molecular Compounds of Boron Trifluoride with Methanol, Ethanol and Water.

region of absorption of their first harmonics (5000-7300 cm^{-1}). The measurements in the harmonic region were necessary in order to avoid confusion due to possible decomposition of certain (1:1) molecular compounds. The measurements were made using an IKS-11 spectrometer. In the region 3500-3800 cm^{-1} a two-beam IKS-2 spectrometer was also used. For measurements on corrosive liquids a special cell was made of teflon (Fig 1). This was used to measure the absorption in the fundamental frequency region. In measurements of absorption in the harmonic region a glass cell was used. BF_3 was obtained by the method described in Ref 1. Synthesis of molecular compounds was carried out in vacuum. A known amount of the additive was placed into the reaction vessel and frozen. The vessel was pumped out and then filled with an appropriate amount of BF_3. Fig 2 shows the absorption spectra of the molecular compounds $BF_3.2CH_3OH$, $BF_3.2C_2H_5OH$, $BF_3.2H_2O$ (curves 1, 2 and 3 respectively) in the region 2400-3800 cm^{-1}. Fig 3 shows the absorption spectra of all the six molecular compounds studied, in the region 5700-7500 cm^{-1}. No absorption bands were found which could be

Investigation of the Vibrational Spectra of the Molecular Compounds of Boron Trifluoride with Nitrogen and Oxygen-Containing Substances. II. On the Structure of the Molecular Compounds of Boron, Trifluoride with Methanol, Ethanol and Water.

ascribed to valence vibrations of OH of the oxonium ion. The experimental results lead to the conclusion that the (1:1) molecular compounds are polymerically associated by means of the hydrogen bond, and the (1:2) complexes are dimers with the following structure



There are 3 figures and 12 references, 3 of which are Soviet.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR; Moskovskiy gosudarstvennyy universitet, fizicheskiy fakul'tet, kafedra optiki (Institute of Physical Chemistry, Academy of Sciences of the U.S.S.R.; Moscow State University, Department of Physics, Chair of Optics)

SUBMITTED: October 28, 1957

Card 3/3

1. Boron fluoride compounds--Spectra 2. Infrared spectroscopy--Applications

SOV/48-22-9-33/40

AUTHORS: Babushkin, A. A., Kovalev, I. F., Yemel'yanova, V. M.

TITLE: Spectroscopic Investigations of the Structure of Some Complex Compounds (Spektroskopicheskiye issledovaniya stroyeniya nekotorykh kompleksnykh soyedineniy)1.Molecular Compounds $F_3B.NH_3$ and $F_3B.ND_3$(1.Molekulyarnyye soyedineniya $F_3B.NH_3$ i $F_3B.ND_3$)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958, Vol 22, Nr 9, pp 1131 - 1131 (USSR)

ABSTRACT: This is a condensation of the paper which was published under the above subtitle Nr 1 in the "Izvestiya Akademii nauk SSSR" by A.A.Babushkin. The spectra of infrared absorption and of combination dispersion of the compounds in question were recorded in the laboratory of the Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry AS USSR). The field of force and the vibration spectra were computed by I.F.Kovalev. The computations were based upon the model C_{3v} for $F_3B.NH_3$ and upon the model C_s for $F_3B.NH_2D$ and $F_3B.NHD_2$. The spectrum

Card 1/2

Spectroscopic Investigations of the Structure of Some Complex Compounds. 1. Molecular Compounds $F_3B.NH_3$ and $F_3B.ND_3$ SOV/48-22-9-33/40

of the two last mentioned substances served as control. The results of the computation of the vibration spectra of $F_3B.NH_3$ and of its deutero derivatives, their interpretation and that of the computation of the potential function were considered to be satisfactory. The value of the force constant of the bond B-N, which equals $4,4.10^5$ dyn cm^{-1} indicates a sufficient strength. The activity in the spectrum of combination dispersion corresponding to the vibrations of the B-N bond indicates a covalent nature of this bond.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry, AS USSR)

Card 2/2

BORESKOV, G.K.; DZIS'KO, V.A.; YEMEL'YANOVA, V.M.; PECHERSKAYA, Yu.I.; KAZANSKIY, V.B.

Catalytic activity and electron paramagnetic spectra of molybdenum oxide catalysts for the polymerization of ethylene. Dokl. AN SSSR 150 no.4:829-832 Je '63. (MIRA 16:6)

1. Institut kataliza Sibirskogo otdeleniya AN SSSR i Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Boreskov).
(Molybdenum catalysts—Spectra)
(Polymerization)

YEMEL'YANOVA, V. P.

"Complex Use of Crude Anthracene." Min Culture USSR, Ural'sk Polytechnic Inst imeni S. M. Kirov, Chemicotechnological Faculty, Chair of the Chemistry and Technology of Fuel, Sverdlovsk, 1953
(Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

YEMEL'YANOVA, V.P.

GOTTMAN, M.V.; YEMEL'YANOVA, V.P.

Complete refining of crude anthracene. Trudy Ural. politekh. inst. no.59:47-67 '57. (MIRA 11:4)

(Anthracene)

YEMEL'YANOVA, V.V.

Studying the growth and development of hard wheat specimens of different geographical origin under conditions prevailing in Apsheron. Trudy Inst. gen. i sel. AN Azerb. SSR 1:119-137 '59.
(MIRA 13:3)

(Apsheron Peninsula--Wheat)

YEMEL'YANOVA, V. V., Cand Biol Sci -- "Biological and economic peculiarities of specimens of wheat of various geographic origin under conditions of Apsheron." Baku, 1960 (Committee of Higher and Secondary Specialized Education AzSSR. Azerbaydzhan State Univ im S. M. Kirov. Acad Sci AzSSR. Inst of Genetics and Selection). (KL, 1-61, 187)

YEMEL'YANOVA, V.V.

Biological and economic characteristics of soft wheat specimens of different geographical origin raised in Apsheron. Trudy Inst.gen.i sel.AN Azerb.SSR 2:5-16 '62. (MIRA 16:2)
(Apsheron Peninsula--Wheat)

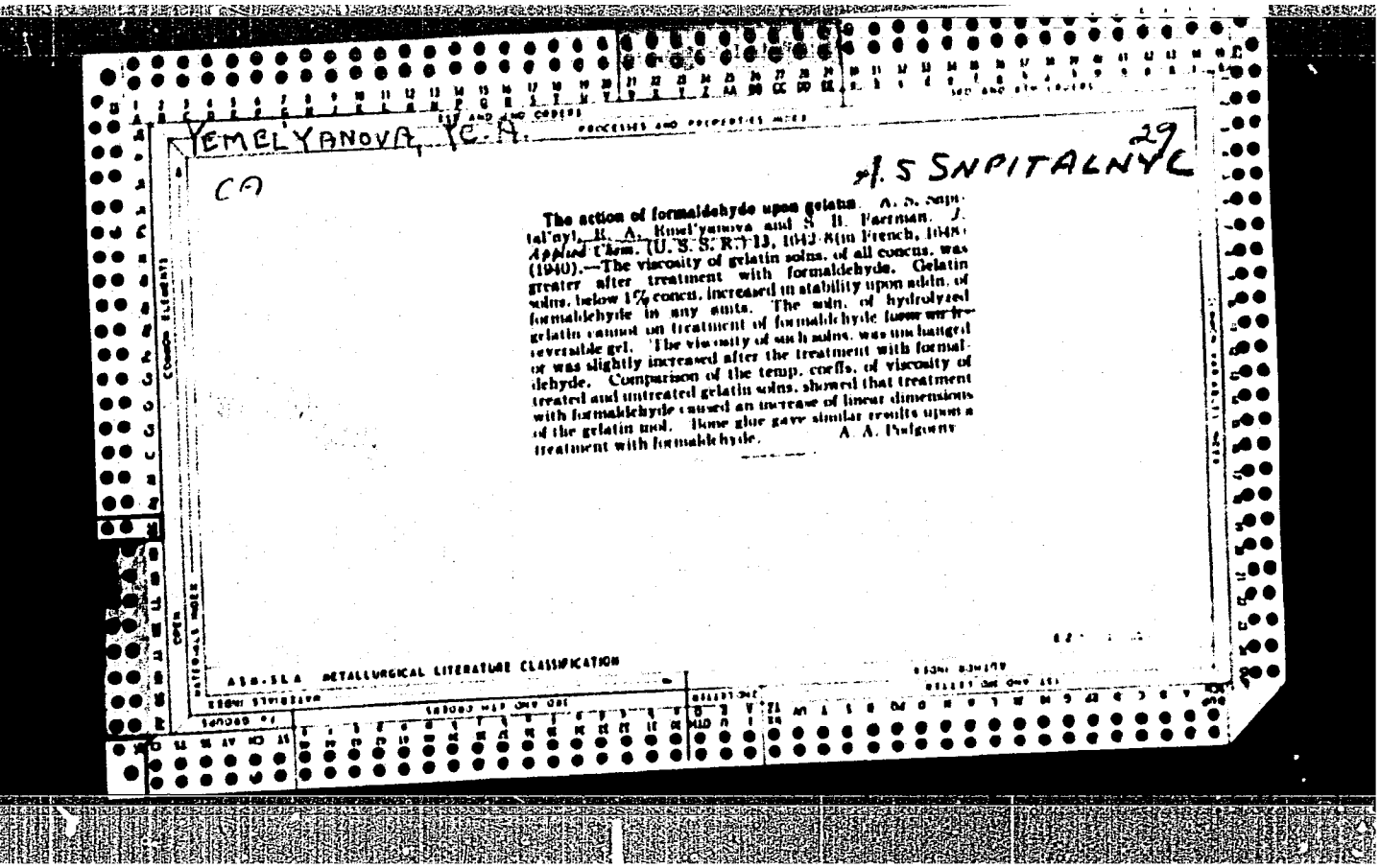
YEMEL'YANOV, V.P.

Changes in the design of flying shears. Metallurg 9 no.4:40 Ap '64. (MIRA 17:9)

1. Magnitogorskiy metallurgicheskiy kombinat.

YEMEL'YANOV, Vasiliy Semenovich; YEVSTYUKHIN, Aleksandr Ivanovich; ALYAB'YEV, A.F., red.; PCHELINTSEVA, G.M., red.

[Metallurgy of nuclear fuel; properties and principles of the technology of uranium, thorium, and plutonium] Metallurgiia iadernogo goriuchego; svoistva i osnovy tekhnologii urana, toriia i plutoniia. Moskva, Atomizdat, 1964. 450 p. (MIRA 18:1)



YEMEL'YANOVA, Ye. A.

CA

#1 S SNPITALNYC

29

The action of formaldehyde upon gelatin. A. S. Sapital'nyĭ, E. A. Emel'yanova and S. B. Ferman. *J. Applied Chem.* (U.S.S.R.) 13, 1043-8 (in French, 1048) (1940).—The viscosity of gelatin solns. of all concns. was greater after treatment with formaldehyde. Gelatin solns. below 1% concn. increased in stability upon addn. of formaldehyde in any amts. The addn. of hydrolyzed gelatin caused on treatment of formaldehyde [illegible] reversible gel. The viscosity of such solns. was unchanged or was slightly increased after the treatment with formaldehyde. Comparison of the temp. coeffs. of viscosity of treated and untreated gelatin solns. showed that treatment with formaldehyde caused an increase of linear dimensions of the gelatin mol. Ikone glue gave similar results upon a treatment with formaldehyde. A. A. Dulgova

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

YEMEL'YANOVA, Ye. A.

Yemel'yanova, Ye. A. "Cardiac cancer and materials on a new mediastinal esophagus", Sbornik trudov, posvyashch. prof. Savinykh, Tomsk, 1948, p. 12-30.

So: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Stately, No. 12, 1949).

YEMEL'YANOVA, Ye. A.

Yemel'yanova, Ye. A. "Spinal sovkain anesthesia in the chest section", Sbornik trudov, posvyashch. prof. Savinykh, Tomsk, 1948, p. 116-23.

So: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

YEMEL'YANOVA, Ye.A., kandidat meditsinskikh nauk.

Late results of surgical treatment of cardial cancer. Khirurgiia no.10: 22-27 O '55. (MIRA 9:2)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.-deystvitel'nyy chelen AMN SSSR prof. A.G. Savinykh) Tomskogo meditsinskogo instituta imeni V.M. Molotova.
(STOMACH, neoplasms)
cardial, surg., remote results)

Yemel'yanova, Ye.A.

YEMEL'YANOVA, Ye.A., kandidat meditsinskikh nauk

Cancer of the cardia in a resected stomach. Vest.khir. 76 no.7: 105-108 Ag '55. (MLRA 8:10)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.-prof. A.G. Savinykh) Tomskogo meditsinskogo instituta im. V.M.Molotova.
(STOMACH, neoplasms
of cardia in resected stomach, prev. & surg.)

YEMEL'YANOVA, Ye.A., kandidat meditsinskikh nauk

Spinal anesthesia. Khirurgiia 32 no.3:26-28 Mr '56. (MLRA 9:7)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. deystvitel'nyy chlen AMN SSSR prof. A.G.Savinykh) Tomskogo meditsinskogo instituta imeni V.M.Molotova.
(SPINAL ANESTHESIA)

3880. YEMELYANOVA E. A. *Carcinoma of the cardia; results of treatment (Russian text)* Vop. Onkol. 1957, 3/1 (9–14) Tables 1 Illus. 2

The following data are from the surgical clinic of the Tomsk Medical Institute and were obtained up to August 1st, 1956. Out of 290 patients whose stomach and lower oesophagus could be resected successfully, 226 could be followed up. There were 5 patients with a more than 10-year cure, 22 lived for more than 5 yr. and 55 for over 3 yr. In a group of 67 cases who died from cancer, 16 had recurrences and 51 metastases. The liver was the main site of metastases (35%).

YEMEL'YANOVA, Ye.A., dots.

Complications following gastric surgery. Khirurgiia 35 no.3:38-44 Mr '59. (MIRA 12:8)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. A.G.Savinykh) Tomskogo meditsinskogo instituta.

(GASTRECTOMY, compl.
postop. compl. (Rus))

ZIVERT, K.N., prof. med. nauk.; SEMENBRYAKOVA, A.G., dots., doktor. med. nauk.; YEMEL'YANOVA, Ye. A., dots.; MASYUKOVA, Ye. M., kand. med. nauk.; ROGACHEVA, V.S.

Andrei Grigor'evich Savinykh; on his 70th anniversary of his birthday. Vop. onk. 5 no.1:127-128 '59. (MIRA 12:3)
(SAVINYKH, ANDREI GRIGOR'EVICH, 1888-)

YEMEL'YANOVA, Ye.A.

Late outcomes of the surgical treatment of cancer of the cardial portion of the stomach. Vop.onk. 8 no.6:11-15 '62.
(MIRA 15:11)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - deystv. chlen AMN SSSR, prof. A.G. Savinykh) Tomskogo meditsinskogo instituta.
(STOMACH--CANCER) (STOMACH--SURGERY)

YEMEL'YANOVA, Ye.A.

Effect of higher nervous activity on the phagocytic reaction of leucocytes of the blood. Uch. zap. Stavr. gos. med. inst. 12:56-57 '63. (MIRA 17:9)

1. Kafedra normal'noy fiziologii (nauchnyy rukovoditel' prof. V.G. Budylin) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

YEMEL'YANOVA, Ye. M.

Yemel'Yanova, Ye. M. "The use of gramicidin and penicillin in inflammatory processes of the maxillae," Trudy Kazansk. gos. stomatol. in-ta, Issue 2, 1949, p. 167-174, - Bibliog: 14 items

SO: U-5240, 17 Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

YEMEL'YANOVA, Ye. M.

Yemel'Yanova, Ye. M. "A case of actinomycosis of the maxilla r-facial area cured by penicillin," Trudy Kazansk. gos. Stomatol. in-ta, Issue 2, 1949, p. 307-309

SO: U-5240, 17 Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

YEMEL'YANOVA, Ye.N.; ZIGAREVA, T.A.

Growth of tourmaline under hydrothermal conditions.
Kristallografiia 5 no.6:955-957 N-D '60. (MIRA 13:12)

1. Institut kristallografii AN SSSR.
(Tourmaline)

AZIZBEKOV, Sh.A.; YEMEL'YANOVA, Ye.N.

Indications of hybridism in the adamellite intrusive of the Megri-Ordubad batholith. Izv.AN Azerb.SSR. Ser.geol.-geog.nauk i nefti no.3:15-24 '61. (MIRA 15:1)

(Azerbaijan--Adamellite)

S/020/62/144/005/008/017
B106/B138

AUTHORS: Kolobikhin, V. A., Tyuryayev, I. Ya., Sobolev, V. M., and Yemel'yanova, Ye. N.

TITLE: Preparation of butadiene by oxidative dehydrogenation of n-butylenes

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 144, no. 5, 1962, 1053-1055

TEXT: The authors studied the oxidation of an industrial butylene fraction (composition in % by volume: C_3H_6: 0.3; C_4H_{10}: 3.0; 1-C_4H_8: 22.1; 2-C_4H_8: 71.6; C_4H_6: 2.4; C_5 and higher: 0.4) with air or oxygen on mixed catalysts consisting of metal oxides of groups V and VI of the periodic system on various carriers. The oxidation was conducted in a continuous flow system under atmospheric pressure. The molar ratio air: C_4H_8 was 2.06-2.42. Butadiene is the main oxidation product forming 38-45 mole% between 460 and 550°C, with initial butylene (31-45.5%), carbon dioxide (9.2-14.5%), and small amounts of low hydrocarbons (2.4-7.8%) as well.

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S/020/62/144/005/008/017
B106/B138

Preparation of butadiene by ...

Practically no hydrogen and only very small amounts of carbonyl compounds form. 97-99% oxygen is used in the oxidation. The best conditions for oxidative dehydrogenation of n-butylenes into butadiene are: temperature: 530°C, volume velocity of butylene: 600 hrs^{-1}; molar ratio: $C_4H_8 : O_2 = 2 : 1$; dilution of butylene with water vapor: $C_4H_8 : H_2O = 1 : 3 - 1 : 4$ (molar ratio) (Fig. 1). At 530°C, an increase in volume velocity from 600 to 860 hrs^{-1} reduces the butadiene yield from 50 to 45% and increases the reaction selectivity from 85 to 93%. Higher oxygen concentration will raise the degree of butylene conversion, and hence the yield of deep oxidation products (CO, CO_2), and reducing selectivity. A change of from 1 : 4 to 1 : 12 in the molar dilution ratio butylenes:water vapor has practically no effect on the conversion or selectivity. Increasing the ratio $C_4H_8 : H_2O$ to 1 : 1 accelerates formation of the product of deep oxidation, and reduces the butadiene yield. In contrast to the dehydrogenation of $C_4H_8 \longrightarrow C_4H_6 + H_2$, the main reaction $C_4H_8 + 1/2\ O_2 \longrightarrow C_4H_6 + H_2O$ is exothermic. Owing to the hydrogen bond, the butadiene yield is not limited by the reaction equilibrium. This opens up new possibilities for producing butadiene and isoprene. There

Card 2/3

Preparation of butadiene by ...

are 3 figures and 1 table. The English-language reference is: R. U. Brettow, Shen-Wu Wan, B. F. Dodge, Ind. and Eng. Chem., 44, 594 (1952).

ASSOCIATION: Nauchno-issledovatel'skiy institut monomerov dlya sinteticheskogo kauchuka (Scientific Research Institute of Monomers for Synthetic Rubber)

PRESENTED: March 13, 1962, by B. A. Kazanskiy, Academician

SUBMITTED: March 13, 1962

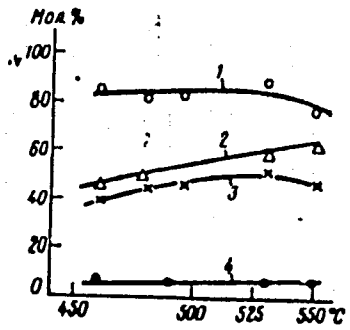


Fig. 1: Temperature dependence of the yields of reaction products.
Legend: (1) selectivity; (2) C_4H_8 conversion; (3) yield of C_4H_6 per passage; (4) CO_2 yield.

Card 3/3

Yemel'yanova, Ye. N.
AID Nr. 984-6 / 6 June

EPR SPECTRUM AND SPIN-LATTICE RELAXATION OF Cr^{3+} AND Fe^{3+} IONS IN $ZnWO_4$ SINGLE CRYSTALS (USSR)

Yemel'yanova, Ye. N., N. V. Karlov, A. A. Manenkov, V. A. Milyayev, A. M. Prokhorov, S. P. Smirnov, and A. V. Shirokov. Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 3, Mar 1963, 868-869.
S/056/63/044/003/016/053

The EPR of Cr^{3+} and Fe^{3+} ions in $ZnWO_4$ single crystals in equal concentrations of ~ 0.1% has been studied in the 1.6 to 300°K range at frequencies from 9.4 to 15 Gc. Constants of the spin Hamiltonian describing the Cr^{3+}

Card 1/2

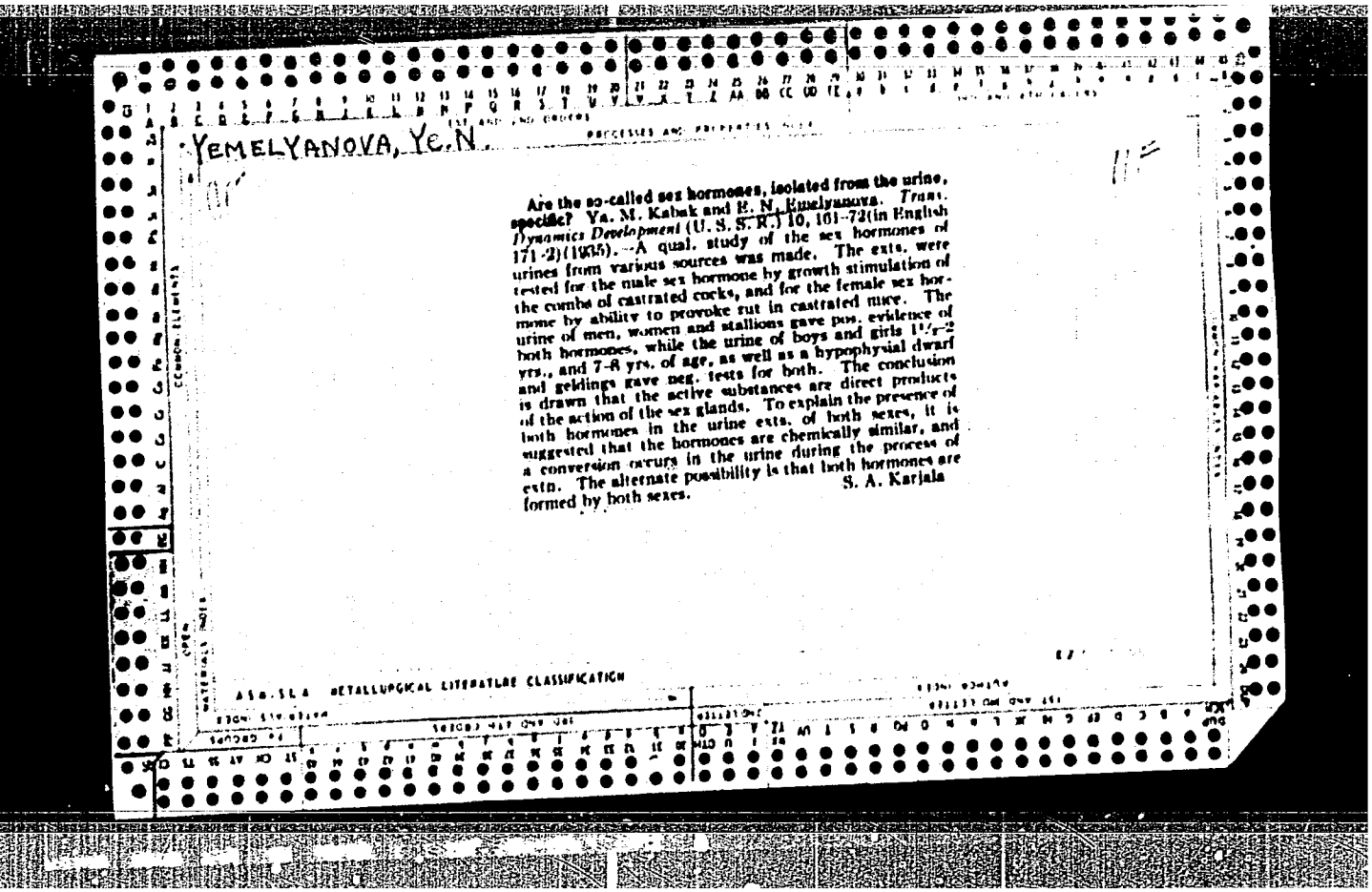
AID Nr. 984-6 6 June

EPR SPECTRUM AND SPIN-LATTICE (Cont.) S/056/63/044/003/016/053

spectrum were obtained, and the spin-lattice relaxation time (T_1) of the Cr^{3+} ion was determined by the pulse saturation method at a frequency of 9.4 Gc for the transition $M = +1/2 \leftrightarrow -1/2$. The relaxation time of the Cr^{3+} ion was 1.1 msec at 4.2°K and 5.3 msec at 1.6°K, satisfying the relationship $T_1 = 1.15(\exp(\delta/kT)-1)\cdot 10^{-3}$ sec, with the parameter δ/k equalling 2.8°K. This relationship is explained as due to direct resonance processes under the assumptions that transition between lower levels $M = \pm 1/2$ is forbidden and that the relaxation is accomplished through the upper level $M = 3/2$ located at a distance δ from $M = 1/2$. The spin-lattice relaxation time of the Fe^{3+} ions obtained by the same method was 75 μsec at 4.2°K and 180 μsec at 1.6°K, satisfying the relationship $T_1 \sim 1/T$ within this temperature range. Crystals containing only Fe^{3+} ions (in a concentration of ~ 0.3%) had a relaxation time of 85 ± 5 μsec at 1.6°K and were shown to contain two nonequivalent groups of ions. Crystals containing both Fe^{3+} and Cr^{3+} ions did not show the presence of two Fe^{3+} ion systems.

[BB]

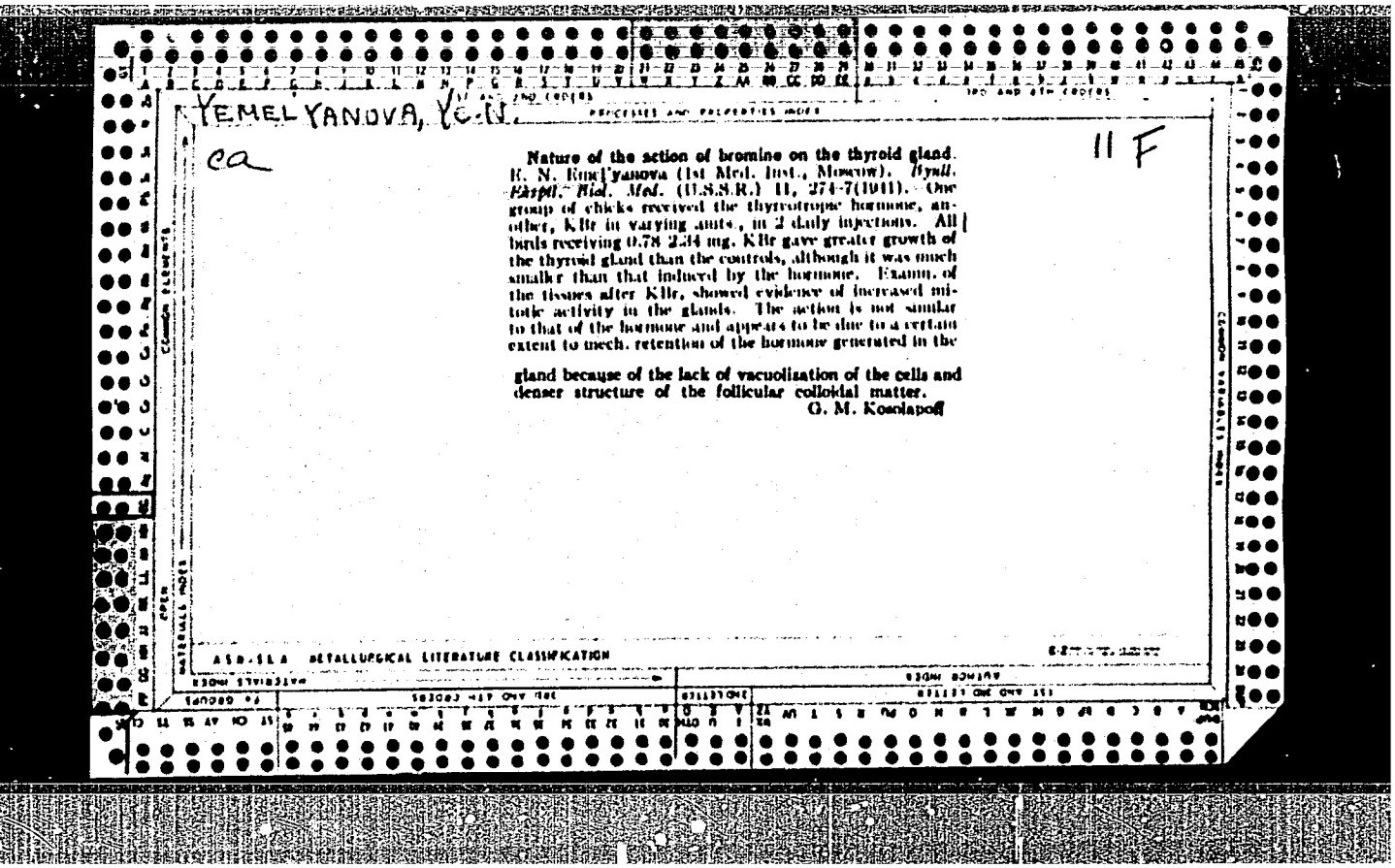
Card 2/2



YEMELYANOVA, Ye.N.

Are the so-called sex hormones, isolated from the urine, specific? Ya. M. Kabak and E. N. Emelyanova. *Trans. Dynamics Development* (U. S. S. R.) 10, 161–72(in English 171–2)(1955).—A qual. study of the sex hormones of urines from various sources was made. The exts. were tested for the male sex hormone by growth stimulation of the combs of castrated cocks, and for the female sex hormone by ability to provoke rut in castrated mice. The urine of men, women and stallions gave pos. evidence of both hormones, while the urine of boys and girls 11½–2 yrs., and 7–8 yrs. of age, as well as a hypophysial dwarf and geldings gave neg. tests for both. The conclusion is drawn that the active substances are direct products of the action of the sex glands. To explain the presence of both hormones in the urine exts. of both sexes, it is suggested that the hormones are chemically similar, and a conversion occurs in the urine during the process of extn. The alternate possibility is that both hormones are formed by both sexes.

S. A. Karjala



YEMELYANOVA, Ye.N.

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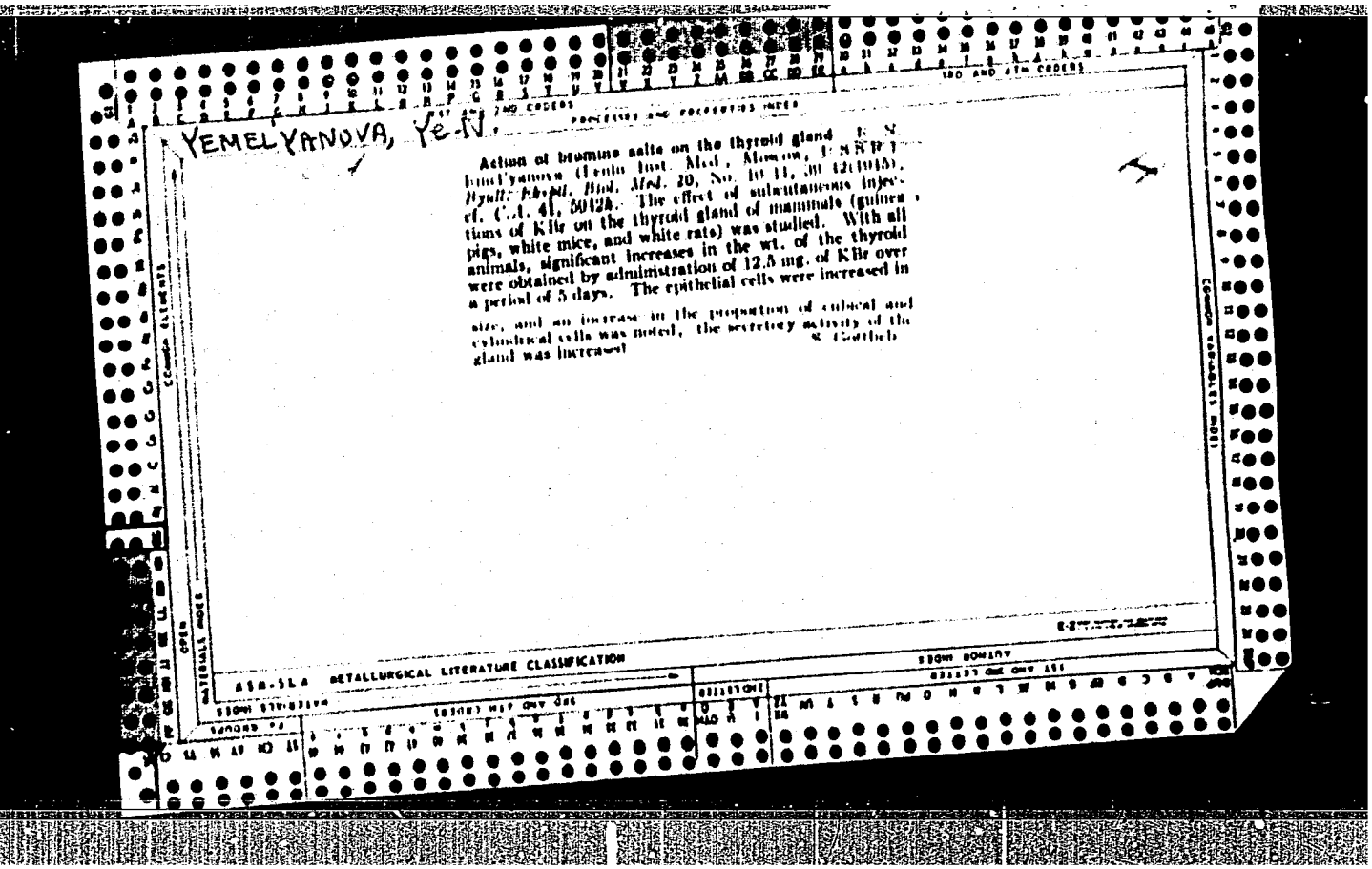
11 F

Nature of the action of bromine on the thyroid gland. E. N. Emel'yanova (1st Med. Inst., Moscow). *Byull. Eksptl. Biol. Med.* (U.S.S.R.) 11, 274-7(1941). One group of chicks received the thyrotropic hormone, another, KBr in varying amts., in 2 daily injections. All birds receiving 0.78-2.34 mg. KBr gave greater growth of the thyroid gland than the controls, although it was much smaller than that induced by the hormone. Examn. of the tissues after KBr showed evidence of increased mitotic activity in the glands. The action is not similar to that of the hormone and appears to be due to a certain extent to mech. retention of the hormone generated in the gland because of the lack of vacuolization of the cells and denser structure of the follicular colloidal matter.

G. M. Kosolapoff

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION



YEMEL'YANOVA, YE. N.

42665. YEMEL'YANOVA, YE. N. K Voprosu o Putyakh Deystviya Broma na Shchitovidnuyu Zhelezu. Byulleten Eksperim. Biologii i Meditsiny. 1948, No 12, s. 455-59

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

// YEMEL'YANOVA, Ye.N.

Action of bromine on the thyroid under conditions of lowered thyrotropic function of hypophysis. E. N. Emel'yanova (1st Moscow Med. Inst.). *Doklady Akad. Nauk S.S.S.R.* 75, 469–72(1950).—Mice whose hypophysis function was reduced by administration of 100 mg. thyroktine (over 10 days) were injected subcutaneously with NaBr (3 mg. daily for 5 days). A rapid return of the thyroid gland to essentially normal wt. and histological structure occurred under the influence of NaBr. If NaBr is administered during the thyroktine administration the gland size remains subnormal and epithelial height is also low. Thus, hypophysis appears to control the realization of the action of bromides on the thyroid gland. Generally, bromides enhance the activity of the thyroid. G. M. Kosolapoff

AZIZBEKOV, Sh.A.; GADZHIYEV, T.G.; YEMEL'YANOVA, Ye.N.; RUSTAMOV, M.I.; ABDULLAYEV, R.N., red.

[Petrology of the intrusives of the Araks tectonic zone in the Lesser Caucasus] Petrologiia intruzivov Araksinskoi tektonicheskoi zony Malogo Kavkaza. Baku, Izd-vo AN Azerb.SSR, 1964. 251 p. (MIRA 17:4)

YEMEL'YANOVA, Ye.P.

Morphologic classification of landslide phenomena for purposes of mapping from the viewpoint of engineering geology. Trudy VSEGINGEO no. 1:82-100 '63. (MIRA 17:5)

YEMEL'YANOVA, Ye.N.; GRUM-GRZHIMAYLO, S.V.; BOKSHA, O.N.; VARINA, T.M.

Synthetic beryls containing V, Mn, Co, and Ni. Kristallografiia 10 no.1:59-62 Ja-F '65. (MIRA 18:3)

1. Institut kristallografii AN SSSR i Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

30835. YEMEL'YANOVA, Ye. P.

Deformatsii gornykh porod v zone polzemnykh byrabotok (Po nablyodeniyam pri stroitel'stve tonneley). Voprosy tidrogeologii i inzh. geologii, sb. 12, 1949, s. 46-59. -- Bibliogr: 6 nazv.

YEMEL'YANOVA, Ye.P.

Survey of the present-day technology of engineering geological research abroad. Razved.i okh.nedr 21 no.5:54-62 S-O '55.
(MLRA 9:12)

(Engineering geology)

YEMEL'YANOVA, Yevgeniya Petrovna; POPOV, I.V., redaktor; NEMANOVA, G.F., redaktor izdatel'stva; KRYUCHKINA, K.V., tekhnicheskiy redaktor

[Practical manual for the stationary study of landslides] Metodicheskoe rukovodstvo po statsionarnomu izucheniiu opolznei. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1956. 245 p. (Landslides) (MLRA 9:12)

YEMEL'YANOVA, Ye.P.

Role of climatic factors in landslide phenomena [with summary in English]. Sov.geol. 1 no.9:107-127 S '58. (MIRA 12:2)

1. Vsesoyuznyy gosudarstvennyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.
(Landslides)

YEMEL'YANOVA, Ye.P.

Petrographic composition of rocks in connection with landslide processes and the classification of landslide types. Iz.vys.ucheb.zav.; geol.i razv. 2 no.10:78-85 O '59. (MIRA 13:6)

1. Vsesoyuznyy institut gidrogeologii i inzhenernoy geologii.
(Landslides)

3(SOV/132-59-6-7/16

AUTHOR: Yemel'yanova, Ye.P.

TITLE: On the Periodicity of Landsliding Processes

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 6, pp 41 - 46 (USSR)

ABSTRACT: The author says that a certain regularity of recurrence of landsliding processes can be established when they repeatedly occur at the same place. She proposes the following mathematical method of calculation of the duration of a landsliding cycle. A volume W of rocks is brought down during a complete landsliding cycle. Given a constant height H of the plateau, a horizontal occurrence of beds, and the same average inclination of the slope,

W = aH cu m (for 1 linear m of the slope)

where a is an average width of the newly-formed landsliding belt. If, as a result of erosion or landsliding, Q cu m of soil are lost yearly, then an average length of a landsliding cycle T can be ex-

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On the Periodicity of Landsliding Processes

pressed as

$$T = \frac{W}{Q} = \frac{aH}{Q} .$$

If the average speed of retreat of the ridge of the slope is V m a year, then

$$Q = HV \text{ and, consequently, } T = \frac{a}{V} .$$

Applying these formulas to the periodical landslides observed for many years on the Black Sea coast near Odessa, the author found that the average duration of a landsliding cycle (T) is 40 years. The observations of G.N. Aksent'yev and the considerations of I.D. Androsov are quoted in this connection. The periodicity of landsliding processes when they occur in many places of a large region can be established only as a result of a statistical compilation of

numerous data of occurrence of such processes. Their periodicity is connected in time with reversible oscillations of the stability factor of slopes. The periods of possibility of landsliding dislocations can be of various duration. An annual periodicity depends on the average annual temperature and on the amount of rainfall, or on the degree of humidity. A monthly and daily periodicity (as yet almost unknown) depends on the combined action of solar and lunar force of attraction and of terrestrial gravity, and on tidal activity. This combined force creates the oscillation of the gravity magnitude which acts on rocks forming the slopes. The amplitude of gravity oscillation is about 0.12%. It reaches its maximum at midnight, and its minimum - at midday, thus creating a corresponding oscillation of the stability factor of the slopes. The tidal action also adds more shearing stress of compression and extension. The observations of landslides gathered during many

 years by the 6 controlling stations of the Ministerst-

On the Periodicity of Landsliding Processes

vo geologii i okhrany nedr SSSR (the Ministry of the Geology and Conservation of Mineral Resources of the USSR) showed an 11-year periodicity of occurrence of landsliding processes, which coincides with a similar periodicity of appearance of an increased number of sunspots (Figure 2). There are 2 diagrams and 12 references, 10 of which are Soviet, 1 German and 1 American.

ASSOCIATION: VSEGINGEO

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YEMEL'YANOVA, Ye. P.

Methods of landslide prediction. Vop. gidrogeol. i inzh. geol. no. 16: 61-79 '59. (MIRA 12:11)

(Landslides)

YEMEL'YANOVA, Ye.P.

Effect of the strength of rocks and its changes on slides. Vop. gidrogeol. i inzh. geol. no.17:92-107 '59. (MIRA 14:1)
(Rocks) (Landslides)

YEMEL'YANOVA, Ye.P.

Effect of subterranean waters and erosion or abrasion on landslides occurring on natural slopes. Vop. gidrogeol. i inzh. geol. no. 18:66-82 '59. (MIRA 14:5)

(Landslides) (Water, Underground)
(Erosion)

MAKKAVEYEV, A.A., doktor geol.-mineral. nauk ; LANGE, O.K., prof., doktor geol.-mineral. nauk, red.; MARINOV, N.A., doktor geol.-mineral.nauk, red.; OVCHINNIKOV, A.M., red.; SOKOLOV, D.S., red.; TOLSTIKHIN, N.I., BINDEMAN, N.N., kand.geol.-mineral.nauk, red.; BRODSKIY, A.A., kand. geol.-mineral.nauk, red.; YEMEL'YANOVA, Ye.P., red.; CHAPOVSKIY, Ye.G., dots., red.; BEKMAN, Yu.K., vedushchiy red.; MUKHINA, E.A., tekhn. red.

[Dictionary of hydrogeology and engineering geology] Slovar' po gidrogeologii i inzhenernoi geologii. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 186 p. (MIRA 14:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.
(Engineering geology--Dictionaries)

RYABCHENKOV, A.S.; ANTONENKO, K.I.; TITOV, N.A.; CHAPOVSKIY, Ye.G.; CHURINOV, M.V.; KONOPLYANTSEV, A.Z.; VIKTOROV, S.V.; VOSTOKOVAYA, Ye.A.; SADOVSKIY, N.D.; KUDELIN, B.I.; OGIL'VI, N.A.; LUNGERSGAUZEN, G.F.; BRODSKIY, A.A.; SHCHERBAKOV, A.V.; POPOV, V.N.; YEMEL'YANOVA, Z.P.; SOKOLOV, S.S.; BERSENEV, I.I.; GROSHIN, S.I.; MAKKAVEYEV, A.A.; MARINOV, N.A.; YEFIMOV, A.I.; ASSOVSKIY, G.N.; VLADIMIROV, A.G.[deceased]; PROKHOROV, S.P.; FILIPPOVA, B.S., red. izd-va; BYKOVA, V.V., tekhn. red.

[Methodological manual on hydrogeological surveying at the scales of 1:1,000,000 - 1:500,000 and 1:200,000 - 1:100,000]Metodicheskoe rukovodstvo po gidrogeologicheskoi s"emke masshtabov 1:1000 000 - 1:5000 000 i 1:200 000 - 1:100000. Pod obshchei red. A.A.Makkaveeva i A.S.Riabchenkova. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1961. 318 p. (MIRA 15:3)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. (Water, Underground) (Geological surveys)

YEMEL'YANOVA, Ye.P.

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(Landslides)

YEMEL'YANOVA, Ye.P.; ZHARKOVA, A.P., tekhn. red.

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KOTLOV, F.V., kand. geol.-min. nauk, otv. red.; BEZRUK, V.M., doktor geol.-miner. nauk, red.; BELYY, L.D., doktor geol.-miner. nauk, red.; BYKOVA, V.S., kand. geol.-miner. nauk, red.; GOR'KOVA, I.M., doktor geol.-miner. nauk, red.; GUREYEV, A.M., red.; YEMEL'YANOVA, Ye.P., kand. geol.-miner. nauk, red.; KOLOMENSKIY, N.V., doktor geol.-miner. nauk, prof., red.; MAKEYEV, Z.A., doktor geol.-miner. nauk, red.; POL'SHIN, D.Ye., kand. tekhn. nauk, red.; POPOV, I.V., doktor geol.-miner.-nauk, prof., red.; PRIKLONSKIY, V.A., prof., red. [deceased]; RUBINSHTEYN, A.L., doktor geol.-miner. nauk, prof., red.; SERGEYEV, Ye.M., doktor geol.-miner. nauk, prof., red.; FADEYEV, P.I., kand. geol.-miner. nauk, red.; ZOLOTOV, P.F., red. izd-va; ASTAF'YEVA, G.A., tekhn. red.

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1. Soveshchaniye po inzhenerno-geologicheskim svoistvam gornykh porod i metodam ikh izucheniya, Moscow, 1957. 2. Chlen-korrespondent Akademii nauk SSSR (for Priklonskiy). 3. Moskovskiy gosudarstvennyy universitet (for Sergeyev). 4. Laboratoriya gidrogeologicheskikh problem Akademii nauk SSSR (for Kotlov). 5. Kafedra "Osnovaniya i fundamenty" Moskovskogo instituta inzhenerov vodnogo khozyaystva (Rubinshteyn).

(Rocks) (Engineering geology)

YEMEL'YANOVA, Ye.P.

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(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.

YEMEL YANOVA, YE.R.

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Materialy po Inzhenernoy Geologii, Metallurgizdat, No. 3, 1953, pp 69-95

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An Experiment in the Application of the Methods of Mathematical Statistics to the Study of Porosity of Silt

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[New developments in the work of spinners of Leningrad] Novoe v trude priadil'shchits Leningrada. Leningrad, Lenizdat, 1950. 96 p. (MIRA 13:2)

(Leningrad--Spinning)

TROYNIN, Mitrofan Fedorovich; USHAKOV, Nikolay Stepanovich; FILIPPOV, N.M., inzh., retsenzent; ROZENGAUZ, B.M., inzh., retsenzent; VEREVKIN, N.S., kand. tekhn. nauk, red.; YEMEL'YANOVA, Ye.V., red.; SHERMUSHENKO, T.A., tekhn. red.

[Manual for electricians]Spravochnaia kniga elektromontera. Pod red. N.S.Verevkina. Leningrad, Lenizdat, 1962. 263 p. (MIRA 16:2)

(Electric power distribution--Handbooks, manuals, etc.)
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BARSUKOV, M.F.; YEMEL'YANOVA, Ye.V., redaktor; LEVONEVSKAYA, L.G., tekhnicheskiy redaktor

[K.F.Kriuchek's instruments, devices and methods of marking]
Instrumenty, prisposobleniia i metody razmetki novatora K.F.Kriucheka.
[Leningrad] Leningradskoe gazetno-zhurnal'noe i kn-vo, 1952. 37 p.
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ЗЕМЛЯНОВА, Ев. В.

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(Metals--Finishing)

ANIKIN, K.N., slesar' lekal'shchik; YEHGL'YANOVA, Ye.V., red.; RODCHENKO, N.I., tekhn. red.

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(Radio--History)

YEMEL'YANOVA, Ye.V.

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(Leningrad--Forging)

OGL'DENBERG, Leonid Davydovich; YEMEL'YANOVA, Ye.V., red.; SKVIRSKAYA, R.I., tekhn. red.

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(Machinery--Construction)

SOKOLOV, Aleksey Nikolayevich; YEMEL'YANOVA, Ye.V., red.; TIKHONOVA, I.M., tekhn.red.

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(Founding)

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(MIRA 12:12)

1. Nachal'nik tekhnicheskogo upravleniya Leningradskogo sovnarkhoza (for Khizhnyak).
(Automation) (Technological innovations)

KAMNEV, P.V., kand.tekhn.nauk, dotsent, red.; YEMEL'YANOVA, Ye.V., red.; TIKHONOVA, I.M., tekhn.red.

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(Forging)

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[Technology of applying oxide and phosphate coatings on metals] Tekhnologiia oksidirovaniia i fosfatirovaniia metallov. Leningrad, Lenizdat, 1960. 106 p. (MIRA 14:1)
(Metallic films) (Phosphate coatings)

LIPNITSKIY, Abram Markovich; YEMEL'YANOVA, Ye.V., red.; ONOSHKO, N.G., tekhn. red.

[Coremaking in foundry practice] Izgotovlenie sterzhnei v liteinom proizvodstve. Leningrad, Lenizdat, 1961. 170 p. (MIRA 15:2)

(Coremaking)

TKACHENKO, Yevgeniy Alekseyevich; YEMEL'YANOVA, Ye.V., red.; ONOSHKO, N.G., tekhn. red.

[Contribution of the machine builders of Leningrad to agriculture]Mashinostroitelei Leningrada - sel'skomu khoziaistvu. Leningrad, Lenizdat, 1962. 41 p. (MIRA 16:2)

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(Leningrad--Agricultural machinery industry)

TRUTNEV, V.N., tokar'; YEMEL'YANOVA, Ye.V., red.; TIKHONOVA, I.M., tekhn. red.

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(Metal cutting)

KOSMACHEV, Ivan Georgiyevich; YEMEL'YANOVA, Ye.V., red.; FRUMKIN, P.S., tekhn. red.

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[Waterproof concrete] Vodonepronitsaemyi beton. Leningrad, Lenizdat, 1965. 97 p. (MIRA 18:7)

SEREBRENITSKIY, Pavel Pavlovich; KOSMACHEV, I.G., retsenzent; SHNYRIKOV, L.Z., retsenzent; YEMEL'YANOVA, Ye.V., red.

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RYABINOK, Aleksey Gerasimovich; YEMEL'YANOVA, Yo.V., red.

[Electrochemical dimensional machining of metals and alloys] Elektrokhimicheskaia razmernaia obrabotka metallov i splavov Leningrad, Lenizdat, 1965. 156 p. (MIRA 18:9)

ACCESSION NR: AR4018342 S/0137/64/000/001/I101/I101

SOURCE: RZh. Metallurgiya, Abs. 1I662

AUTHOR: Shpichinetskiy, Ye. S.; Yemel'yanova, Yu. A.

TITLE: Processing indium and indium-tin alloys and their connection properties

CITED SOURCE: Tr. Gos. n.-i. proyekt. in-ta splavov i obrabotki tsvetn. met., vy*p. 21, 1963, 91-97

TOPIC TAGS: nonmetallic radio component , nonmetallic component joining, quartz monocrystal, indium, tin, eutectic alloy, radio acoustics, salt monocrystal

TRANSLATION: Research was conducted on the possibility of having a stable connection of nonmetallic elements of special radio devices produced of quartz and salt monocrystals, with the use of Al, Pb, Sn, Cd, and In and their alloys. Only eutectic alloys of In with Cd, and especially with Sn provide sufficiently stable connection and possess fully satisfactory acoustic qualities. An advantage of the In-Sn alloys also is their low temperature of eutectics (117°) and their adaptability to vacuum-solid soldering to glass. The possibility was demonstrated of obtaining high-quality foil up to 2-3 microns in thickness out of In and its alloys with

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ACCESSION NR: AR4018342

Sn, without intermediate annealing at low speeds of rolling (1.2-2 meters/min). To provide a strong good connection between nonmetallic elements of an instrument and to provide the needed acoustical characteristics, an eutetic alloy of In with 48 plus-or-minus 2% Sn is recommended. A strong connection is achieved under condition of heating the joined elements at a pressure of 20-25 kg/cm^2 at a temperature of 112 plus-or-minus 2° for 3-5 hours.

SUB CODE: MM, EC ENCL: 00

Card 2/2

YEMEL'YANOV, Yu.D.

Caliper for measuring the diameter of deep wells. Mash. i neft. obor. no.6:3-6 '63. (MIRA 17:8)

1. Volgo-Ural'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta geofizicheskikh metodov razvedki, g. Oktyabr'skiy.

YEMEL'YANOVA, Vera Pavlovna; SVET, Ye.B., red.

[National cause; based on materials of the December 1963 Plenum of the Central Committee of the CPSU] Vsenarodnoe delo; po materialam dekabr'skogo Plenuma TsK KPSS 1963 g. Cheliabinsk, IUzhno-Ural'skoe knizhnoe izd-vo, 1964. 43 p. (MIRA 17:12)

BOROVSKIY, Boris Yevstaf'yevich; POPOV, Mikhail Dmitriyevich; PRONSHTEYN, Mark Yakovlevich; YEMEL'YANOVA, Ye.V., red.; CHERVOVA, M.S., red.

[Handbook for the motor-vehicle driver] Spravochnaia kniga avtomobilista. Izd.2., perer. i dop. Leningrad, Lenizdat, 1964. 639 p. (MIRA 17:12)

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YEMEL'YANOVA, Yu. M. (Leningrad)

Effect of sodium amytal on gastric secretion before and after surgery. Eksp. khir. 3 no.6:48-49 N-D '58. (MIRA 12:1)
(AMOBARBITAL) (OPERATIONS, SURGICAL)
(STOMACH--SECRETIONS)

YEMEL'YANOVA, Yu.M.

Effect of amytal sodium on gastric secretion in preoperative and postoperative periods; experimental data on clinical sleep therapy. Trudy LSGMI 39:28-39 '58. (MIRA 12:8)

1. Kafedra gospital'noy khirurgii (zav.kafedroy - z.d.n., prof. A.V.Smirnov) i Kafedra patologicheskoy fiziologii (zav.kafedroy - prof.L.R.Perel'man) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(GASTRIC JUICE,
secretion, eff. of sleep ther. before & after excis. of ileocecal angle, kidneys & gallbladder in animals (Rus))
(SLEEP THERAPY,
preop. & postop. in excis. of ileocecal angle, angle, kidneys, & gallbladder in animals, eff. on gastric secretion (Rus))
(ILEUM, surgery,
exper.excis. of ilececal angle, eff. of preop. & postop. sleep ther. on gastric secretion (Rus))
(GALLBLADDER, surgery,
exper., preop. & postop. sleep ther., eff. on gastric secretion (Rus))
(KIDNEYS, surgery,
same)

YEMEL'YANOVA, Yu.M., assistent (Leningrad, ul. Ryleyeva, d.10, kv. 36);
MARTYNCHEV, A.N., kand.med.nauk

Dynamics of venous pressure in portocaval anastomosis [with summary in English]. Vest. khir. 80 no.2:49-52 F '58. (MIRA 11:3)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.-prof. A.V.Smirnov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta i gospital'noy khirurgicheskoy kliniki (zav.-prof. F.G.Uglov) 1-go Leningradskogo meditsinskogo instituta im. I.P.Pavlova.

(VEINS, PORTAL SYSTEM, surg.
portacaval anastomosis, venous pressure determ. in dogs & human subjects (Rus)
(BLOOD PRESSURE
venous, eff. of portacaval anastomosis in dogs & human subjects (Rus)

YEMEL'YANOVA, Yu.M.

Cholebronchial fistula in echinococcosis of the liver. Khirurgiia 35 no.8:112 Ag '59. (MIRA 13:12)

(LIVER--HYDATIDS)

VLASOV, N.N., kand.med.nauk; YEMEL'YANOVA, Yu.M., kand.med.nauk

Changes in the pancreas following total gastrectomy. Trudy LSGMI 59:185-189 '60. (MIRA 14:9)

1. Gospital'naya khirurgicheskaya klinika Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. klinikoy - prof. A.V.Smirnov) i Kafedra patologicheskoy anatomii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - chlen-korrespondent AMN SSSR prof. V.D.TSinzerling [deceased]).
(PANCREAS) (STOMACH--SURGERY)

YEMEL'YANOVA, Yu. M., kand. med. nauk (Leningrad, ul. Ryleyeva, d. 10, kv. 36)

Treatment of liver cirrhosis by ligation of the branches of the celiac artery. Vest. khir. no.2:57-62 '62. (MIRA 15:2)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. A. V. Smirnov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(LIVER--CIRRHOSIS) (CELIAC ARTERY--SURGERY)

NESHCHADIM, A.G., inzh.; Prinimali uchastiye: FADEYEVA, K.M., inzh.; YEDEMSKIY, P.M., inzh.; MIKHAYLOVICH, A.N., inzh.; YEMEL'YANOVA, Z.I., inzh.

Nonisothermal step extraction with the yield of high concentration micelles. Masl.-zhir.prom. 28 no.12:9-13 D '62. (MIRA 16:1)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti (for Neshchadim). 2. Leningradskiy maslozhirovoy kombinat (for Fadeyeva, Yedemskiy, Mikhaylovich). 3. Leningradskoye otdeleniye Voronezhskogo tekhnologicheskogo instituta (for Yemel'yanova).

(Oils and fats) (Extraction (Chemistry))

KURKIN, L., shlifoval'shchik, deputat Verkhovnogo Soveta SSST; YEMEL'YANOVA-SHCHUKINA, K., Geroy Sotsialisticheskogo Truda; POPKOV, A.; BITKOV, V.

An honorary title must be earned. Sov.profsoiuzy 17 no.10:17-18 My '61. (MIRA 14:5)

1. Instrumental'nyy tsekh Moskovskogo avtomobil'nogo zavoda imeni Likhacheva (for Kurkin). 2. Brigadir brigady kommunisticheskogo truda liteynogo tsekha no.3 Moskovskogo avtomobil'nogo zavoda imeni Likhacheva (for Yemel'yanova-Shchukina). 3. Master smeny kommunisticheskogo truda remontno-mekhanicheskogo tsekha Moskovskogo avtomobil'nogo zavoda imeni Likhacheva (for Popkov). 4. Predsedatel' zavkoma Moskovskogo avtomobil'nogo zavoda imeni Likhacheva (for Bitkov).

(Moscow--Automobile industry) (Socialist competition)

YEMEL'YANTSEV, A.M., inzh.

New boltless clamps for use on contact networks. Elek.i tepl. tiaga. 4 no.6:11-12 Je '60. (MIRA 13:8)
(Electric railroads--Wires and wiring)

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YEMEL'YANTSEV, T. M.

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SO: Trudy Arkitcheskogo Nauchno-Issledovatel'skogo Instituta, GUSMP, Council of Ministers, Vol 201, 1948

YEMEL'YANTSEV, T.M.; KRAVTSOVA, A.I.

Brief information concerning recent data on the stratigraphy of marine Mesozoic deposits in the lower Lena Valley. Sbor. st. po paleont. i biostrat. no.13:28-34 '59. (MIRA 13:3)
(Lena Valley--Geology, Stratigraphic)