AGASHIN, Yu.A.; GRIGOR'YEV, Z.E.; KOVNATSKIY, M.A.; LEVIN, V.M.; OSIPOV, Yu.A.; RAZUMOVSKIY, M.D.; RETNEV, V.M.; YURKEVICH, A.Ya.

Meeting devoted to the results of the work of the Leningrad Research Institute on Industrial Hygiene and Occupational Diseases for 1959-1960. Gig. i san. 26 no.8:110-114 Ag '61. (MIRA 15:4)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta gigiyeny truda i professional'nykh zabolevaniy.
(INDUSTRIAL HYGIENE)

GRIGOR'YEV, Z. E.

Verification of the blastomogenic properties of hard hydrocarbons formed during the process of hydrogenation of mazut. Vop. onk. 8 no.2:29-30 '62. (MIRA 15:2)

1. Iz toksikologicheskoy laboratorii (rukov. - prof. I. D. Gadaskina) Leningradskogo Nauchno-issledovatel'skogo instituta gigiyeny truda i profzabolevaniy.

(MAZUT--TOXICOLOGY) (CARCINOGENS)

GRIGOR'YEV, Z.E., prof.

Irritating effect of spodumene concentrate dust on the skin of experimental rabbits. Vest. derm. i ven. 37 no.8:13-15 Ag'63 (MIRA 17:4)

1. Leningradskiy nauchno-issledovatel'skiy institut gigiyeny truda i professional'nykh zabolevaniy (dir. - prof. Z.E. Grigor'yev).

GRIGOR'YEV, Z.E., prof.

[Scientific papers of the Institute published in the period from 1959 to 1963; a bibliographical index] Nauchnye raboty Instituta, opublikovannye v period 1959-1963 godov; bibliograficheskii ukazatel'. Leningrad, Gos. nauchno-issl. in-t gigieny truda i profzabolevanii, 1964. 105 p. (MIRA 18:7)

GRIGOR'YEV, Z.Ye.

Carcinogenic properties of Pechera coal tar. Vop. onk. 6 no.6: 83-86 Je '60. (MIRA 14:3)
(COAL TAR—PHYSIOLOGICAL EFFECT) (CARCINOGENS)

GRIGORIYEV, Z.Ya.

[Automation of industry and problems of work hygiene] Avtomatizatsiia proizvodstva i zadachi gigiieny. Moskva, Meditsina, 1964. 17 p. (MIRA 18:1)

GRIGOR'YEVA, A.

Synchronization channel of the "Znamia" television receiver. Radio no.5:38-39 My '63. (MIRA 16:5)
(Television--Receivers and reception)

GRIGORYEVA, A.
3519

Biochem. Inst. and Lab. of path. Anat., Kiev Morphological changes of the muscles of rabbits in experimental muscular dystrophy Arkh. Patol. 1951, 13/1 (56-61) Illus. 4
Experiments with rabbits on a diet free from vit. E led to the development of an insidiously increasing muscular dystrophy with necrosis and atrophy of muscle fibres with formation of connective tissue, paralysis and death about one month after the beginning of the experiment. Another group of rabbits was at the same time treated with sodium or calcium salts of adenosine triphosphoric acid intramuscularly (no dosage is given). Thus the development of muscular dystrophy was retarded by 2-3 weeks, but was not stopped. If, however, the rabbits treated with adenosine-triphosphoric acid were given normal feed after 3 weeks of food without vit. E, the muscular dystrophy proved to be reversible. The editors of Arkh. Patol. stress the fact that the neuroreceptory apparatus has not been studied in these experiments.

Brandt - Berlin (V, 8)

So: Excerpta Medica, Section VIII, Vol. 5, No. 9, September 1952

GRIGOR'YEVA, A.

One gram urea equals 2.6 grams protein. Nauka i perod op.v sel'khoz. 9 no.11:49-51 N '59. (MIRA 13:3)

1. Zaveduyushchaya otdelom zhivotnovodstva Luganskoy sel'skokhozyaystvennoy opytnoy stantsii.
(Urea) (Cattle--Feeding and feeds)

GRIGOR'YEVA, A. A. FA 11T39

USSR/Solar Phenomena Mar 1946
Ionospheric measurements

"Results Obtained in Observing the Propagation of Radio Waves During the Solar Eclipse of 9 Jul 1945," A. A. Grigor'yeva, 8 pp

"Izv Ak Nauk Ser Fiz" Vol X, No 3

Seven graphs showing the relation between time of day and the critical frequency of light before, during and after the eclipse. Sketch of the observation stations around Moscow.

11T39

GRIGOR'YEVA, A. A.

On 22 March 1946, at the Power Engineering Institute imeni Molotov, defended her dissertation on "The Maintenance of Radio Communications on Frequencies Very Close to the Maximum Calculated Frequency". Official opponents - Doctor of Technical Sciences Professor A. N. Shchukin, and Doctor of Technical Sciences Professor V. N. Kessenikh.

So: Elektrichestvo, No 4, April 1947, pp 90-94 (U-5577, 18 February 1954)

An analysis was made of the maintenance of radio communications on frequencies exceeding the maximum calculated frequency, on short lines located in the vicinity of the ionosphere stations. The calculation of the effect of the earth's magnetic field caused a relative increase in the maximum calculated frequency, particularly at night. Experimental investigations showed the possibility of increased communications on frequencies exceeding the maximum calculated frequencies by 15 to 20 percent, and permit drawing the conclusion that the maximum calculated frequencies are not the maximum possible frequencies.

So: IBID

AUTHOR: Grigor'yeva, A.A.

"Results of Vertical Radiation Measurement of the Coefficient of Absorbtion of Short Radio Waves in Ionosphere,"
A-U Sci Conf dedicated to "Radio Day," Moscow, 20-25 May 1957.

PERIDICAL: Radiotekhnika i Elektronika, Vol. 2, No. 9, pp. 1221-1224, 1957, (USSR)

BEREZNITSKAYA, S.A.; KLIMOVA, M.S.; GRIGOR'YEVA, A.A.; AYZIKOVICH, R.S.; BUTOVSKIY, V.A.; SLOVACHEK, M.A.; [redacted], A.A.; STARTSEV, I.A.; PROTSKO, G.N.

Effect of schedule and feeding on the development of children from one to three years of age. Pediatriia no.6:18-25 N-D '53.
(MLRA 7:1)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva im. Geroya Sovetskogo Soyuza professora P.M.Buyko (direktor - zasluzhennyy vrach USSR M.D.Burova) i Ukrainskogo nauchno-issledovatel'skogo instituta pitaniya (direktor - kandidat meditsinskikh nauk A.T.Stovdun).
(Infants--Care and hygiene) (Children--Care and hygiene)

BEREZNITSKAYA, S.A.; KLIMOVA, M.S.; GRIGOR'YEVA, A.A.; AYZIKOVICH, R.S.; BUTOVSKIY, V.A.; SLOVACHEK, M.A.; STARTSEV, I.A.; PROTSKO, O.N.

Effect of regimen and nutrition on the development of 3 to 7-year old children. Pediatriia no.3:91 My-Je '54. (MLRA 8:1)

1. Iz ukrainskogo instituta okhrany materinstva i detstva i Instituta pitaniya.
(CHILDREN--CARE AND HYGIENE)
(CHILDREN--NUTRITION)

PODGORNAYA, N.I.; GRIGOR'YEVA, A.A., master

Bleaching of dark naturally-colored wool. Tekst.prom. 20 no.8: 60-61 Ag '60. (MIRA 13:9)

1. Zaveduyushchaya khimicheskoy laboratoriyey Arzhenskoy sukonnoy fabriki (for Podgornaya).
(Dyes and dyeing--Wool) (Bleaching)

BASKIN, N.L., inzh.; PODGORNAYA, N.I., inzh.; GRIGOR'YEVA, A.A., master
GERASIMOVA, N.S., tekhnik-khimik

Simplified method of dyeing wool. Tekst.prom. 21 no.2:70
Ja '61. (MIRA 14:3)
(Dyes and dyeing--Wool)

KOZKO, A.I., inzh.; GRIGOR'YEVA, A.A., inzh.

Rapid method of determining the moisture content in brown coals.
Obog.i brik.ugl. no.30:101-107 '63. (MIRA 17:4)

ANUCHIN, D.N.; GRIGOR'YEVA, A.A., akademik, redaktor; VORONTSOVA, A.N., redaktor; RIVINA, I.N., tekhnicheskiy redaktor.

[Geographical works] Geograficheskie raboty. Moskva, Gos. izd-vo geogr. lit-ry. 1954. 470 p. (MLRA 8:4)
(Geography)

[illegible]'SVA, A. A. "The economic-geographic characteristics of the Western (Chuna-Biryusa) regions of Irkutsk Oblast." Inst of Geography, Acad Sci USSR. Moscow, 1956. (Dissertations for the Degree of Candidate in Geographical Sciences).

SO: Knizhnaya Letopis' No. 22, 1956

GRIGOR'YEVA, Anna Ageyevna; KROTOV, V.A., prof., red.; STRILEVA, O.F., red.; PECHERSKAYA, T.I., tekhn.red.

[Western regions of the Bratsk-Tayshet Industrial Center; economic-geographical features] Zapadnye raiony Bratsko-Taishetskogo promyshlennogo kompleksa; ekonomiko-geograficheskaia kharakteristika. Irkutsk, Irkutskoe knizhnoe izd-vo, 1959. 70 p. (MIRA 13:3)
(Chuna Valley--Economic conditions)
(Biryusa Valley--Economic conditions)

GRIGOR'YEVA, A. A.

Possibilities for expanding agricultural production in the western districts of Irkutsk Province. Trudy Vost.- Sib. fil. AN SSSR no.29:21-28 '59. (MIRA 13:9)
(Irkutsk Province--Agriculture)

GRIGOR'YEVA, A.A.

Changes in the distribution of industry of the Irkutsk Economic Administrative Region. Izv.AN SSSR.Ser.geog. no.4:56-62 Jl-Ag '60. (MIRA 13:7)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.
(Irkutsk Province--Industries, Location of)

KROTOV, V.A.; GRIGOR'YEVA, A.A.

The Irkutsk Economic Administrative Region. Trudy Vost.-Sib. fil. AN SSSR no.32:20-35 '60. (MIRA 14:4)
(Irkutsk Province—Economic geography)

GRIGOR'YEVA, A.A.

Special features in the formation of the Tayshet industrial center. Trudy Vost.-Sib. fil. AN SSSR no.32:80-86 '60. (MIRA 14:4)
(Tayshet region--Industries)

BANDMAN, M.K.; BUYANTUYEV, B.R.; POMUS, M.I.; RADNAYEV, G.Sh.; GOLOVKIN, D.A.; GRIGOR'YEVA, A.A.; KHOTOV, V.A.; DONCHENKO, K.Ya.; KORZHUYEV, S.S.; SHATSILO, Ye.S.; KOSMACHEV, K.P.; NAUMOV, G.V.; LIKHANOV, B.N.; PETUKHOV, V.G.; TIKHONOV, A.V.; NEDESHEV, A.A.; SIMANOVSKIY, G.M.; SHAKHUNOVA, P.A.; SHOTSKIY, V.P.; YEROFEYEV, I.A., red.; POLOZHENTSEVA, T.S., mladshiy red.; GOLITSYN, A.B., red. kart; VILENSKAYA, E.N., tekhn. red.

[Eastern Siberia; economic geography] Vostochnaia Sibir'; ekonomiko-geograficheskaia kharakteristika. Moskva, Geografizdat, 1963. 885 p. (MIRA 16:10)
(Siberia, Eastern--Economic geography)

SHOTSKIY, V.P.; GRIGOR'YEVA, A.A.

Characteristics of the economic development of the southern taiga regions of Eastern Siberia. Sib. geog. sbor. no.2:156-169 '63. (MIRA 16:11)

L 3592-66 EWT(m)/EPF(c)/EWA(d)/EWP(t)/EWP(z)/EWP(b) MJW/JD/JB
ACCESSION NR: AP5022655 UR/0365/65/001/005/0490/0493
669.14.018.45
620.193.5

AUTHOR: Grigor'yeva, A. A.; Zhuk, N. P.; Sergeyeva, G. G.

TITLE: Gas corrosion of austenitic-ferritic steels

SOURCE: Zashchita metallov, v. 1, no. 5, 1965, 490-493

TOPIC TAGS: corrosion, gas corrosion, steel, steel gas corrosion, austenitic steel, austenitic ferritic steel, oxidation, steel oxidation, steel oxidation resistance/ OKh21N5MD2T steel, OKh21N6M2T steel, 1Kh21N5T steel, OKh21N5T steel, Kh18N9T steel, Kh18N12M2T steel

ABSTRACT: The oxidation resistance of OKh21N5MD2T, OKh21N6M2T, 1Kh21N5T, and OKh21N5T standard austenitic-ferritic steels with low nickel content has been tested. The tests were done in air at 800—1050C. All four steels were found to have a somewhat lower oxidation resistance than fully austenitic Kh18N9T and Kh18N12M2T steels, in spite of the lower chromium content of the latter. Steels with higher ferrite content have lower oxidation resistance. This may be explained by the nonuniformity in composition and internal stresses of the formed oxide films. Molybdenum has an ad-

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ACCESSION NR: AP5022655

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verse effect on austenitic steel resistance, especially at high temperature (1050C); it undermines the protective properties of oxide films. No qualitative difference in oxidation behavior between fully austenitic and austenitic-ferritic steel was observed. Orig. art. has: 2 figures and 3 tables. [ND]

ASSOCIATION: Moskovskiy institut stali i splavov (Moscow Institute of Steel and Alloys) 44, 55

SUBMITTED: 12May65 ENCL: 00 SUB CODE: MM

NO REF SOV: 010 OTHER: 000 ATD PRESS: 4114

Card 2/2

L 37701-66 EWP(k)/EWT(m)/T/EWP(t)/ETI IJP(c) JH/JD

ACC NR: AP6017299 (A) SOURCE CODE: UR/0136/66/000/005/0083/0085

AUTHORS: Danilkin, V. A.; Grigor'yeva, A. A.; Pimenov, Yu. P.; Chikin, V. K.; Pavlov, Ye. S.

60
59
B

ORG: none

TITLE: Influence of evacuation on the hydrogen and aluminum oxide content in aluminum and its alloys

SOURCE: Tsvetnyye metally, no. 5, 1966, 83-85

TOPIC TAGS: aluminum, vacuum degassing, hydrogen, aluminum oxide / AK6 aluminum alloy, D1 aluminum alloy

ABSTRACT: The effect of degassing on the hydrogen and aluminum oxide content in aluminum and aluminum alloys AK6 and D1 was determined. The investigation supplements the results of M. B. Al'tman i dr. (Liteynyye alyuminevyye splavy, Oborongiz, 1961, s. 150). The hydrogen content was determined after V. A. Danilkin i dr. (Zavodskaya laboratoriya, 1961, No. 3) and the aluminum oxide content after the method of O. Z. Werner (Anal. Chem., 1941, 121, S. 259). The experimental results are presented graphically (see Fig. 1). A brief discussion of the necessary and sufficient conditions of the formation of hydrogen bubbles in the melt is presented. The discussion is based on the work of N. M. Chuyko (Gazy v litom metalle. Izd. Nauka, 1964, s. 14). It is concluded that vacuum degassing of aluminum and its

Card 1/2 UDC: 669.715.017

L 37701-66

ACC NR: AP6017299

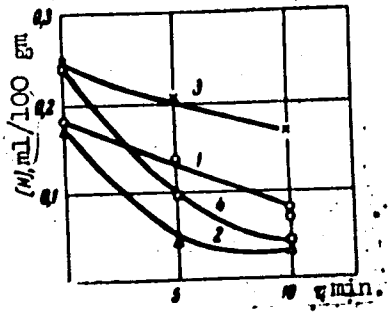

Fig. 1. Dependence of the hydrogen content on the duration of argon purging under vacuum. ($P_{residual}$ = 4 mmHg). 1 - Al, upper layer; 2 - Al, lower layer; 3 - AK6, upper layer; 4 - AK6, lower layer.

alloys, particularly when combined with argon purging, results in a considerable decrease of the hydrogen content of the melt. The vacuum chamber was designed by I. L. Teytel. Orig. art. has: 3 graphs and 2 equations.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 005

Card 2/2

ALEKSEYEVA, Raisa Yevgrafovna; GRIGOR'YEVA, A.D., kand. biol. nauk, otv. red.; MESSNER, O.M., red. izd-va; RYLINA, Yu.V., tekhn. red.

[Devonian Atrypa of the Kuznetsk and Minusinsk Basins and the eastern slope of the Northern Urals]Devonskie atripidy Kuznetskogo i Minusinskogo basseinov i vostochnogo sklona Severnogo Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962. 195 p. tables. (MIRA 16:2)

(Kuznetsk Basin--Brachiopoda, Fossil)
(Minusinsk Basin--Brachiopoda, Fossil)
(Ural Mountains--Brachiopoda, Fossil)

GRIGOR'YEVA, Aleksandra Dmitriyevna; GEKKER, R.F., otv.red.; BEZNOSOVA, G.A., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Productidae of the Kazan stage in the Russian Platform and conditions of their existence] Produktidy kazanskogo iarusa Russkoi platformy i usloviia ikh sushchestvovaniia. Moskva, Izd-vo Akad. nauk SSSR. 1962. 91 p. 16 plates. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, vol. 92). (MIRA 16:2)

(Russian Platform--Brachiopoda, Fossil)

GRIGOR'YEVA, A.D.; IVANOVA, Ye.A.

Methods for the study and description of fossil invertebrates. Paleont. zhur. no.2:122-125 '65. (MIRA 18:6)

1. Paleontologicheskiy institut AN SSSR.

AUTHORS: Vertoprakhov, V. N., Grigor'yeva, A. G.

TITLE: Preparation and Study of Certain Properties of the Intermetallic Aluminium Arsenide Compound (Polucheniye i issledovaniye nekotorykh svoystv intermetallicheskogo soyedineniya arsenida alyuminiya)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, fizika, 1958, Nr 5, pp 133-134 (USSR)

ABSTRACT: The paper was presented at the Conference of Higher Education Establishments on Dielectrics and Semiconductors at Tomsk, February, 1958. The original materials were of the highest possible purity. Arsenic was purified by vacuum distillation in evacuated and sealed tubes. After purification only traces of Al and Sb were found in the arsenic. Spectral analysis of aluminium showed traces of Fe, Si and Mg. The components, with aluminium in the form of a powder, were placed into a graphite crucible preheated to 2000°C in 10^{-4} mm Hg vacuum. The crucible was placed in a quartz ampoule, evacuated to 10^{-5} mm Hg and the ampoule was sealed. The components were synthesised by slow heating in an electric furnace to 1100-1150°C for 10 to 12 hours. The melting point of the compound so produced was found to be near 1700°C;

Preparation and Study of Certain Properties of the Intermetallic Aluminium Arsenide Compound

AlAs decomposes partly at the melting point. Monocrystals were grown from gaseous phase on a base of tungsten monocrystals heated to 1000°C. The tungsten monocrystals were washed with dilute caustic soda and placed above the graphite crucible (see Fig.1). The graphite crucible was then heated to 2000°C by means of high-frequency currents, it was held at this temperature for 3-4 minutes and cooled. A layer of AlAs of 2-3 mm thickness was found to condense on the tungsten monocrystal. This layer, as well as the melt inside the crystal, was found to be monocrystalline. The properties of monocrystals did not differ from those of polycrystals. The electrical resistivity was of the order of 10^{-4} ohm cm, increasing with time to about 10^{-2} ohm cm (after 48 hours). The conduction was always of the p-type. The thermoelectric power varied from point to point and was of the order of 60-70 μV per deg.C.. Thermal conductivity measured by the method described by Ioffe (Ref.3), was of the order of 10^{-3} cal cm^{-1} $sec^{-1}deg^{-1}$. Rectification of alternating currents was observed

[illegible]-58-5-28/35

Preparation and Study of Certain Properties of the Intermetallic Aluminium Arsenide Compound

only at certain points of the crystals. Microhardness varied from point to point within the limits of 300-700 kg/mm^2. All the properties suggest that the AlAs crystals are non-homogeneous. The compound reacts with the atmospheric moisture and decomposes into a powder. S. S. Nogina took part in this work. Acknowledgements are made to A. P. Izergin and M. P. Yakuben' for their advice. There are 1 figure and 3 references, 1 of which is Soviet, 1 English and 1 translation of English into Russian.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete imeni V. V. Kuybysheva (Siberian Physico-Technical Institute at Tomsk State University imeni V. V. Kuybyshev)

SUBMITTED: April 7, 1958.

Card 3/3

DEYCHMAN, G.I.; GRIGO'YEVA, A.G.; VENUSTOV, N.V.

Effect of live virus concentrations in anti-influenza vaccine on its immunological activity [with summary in English]. Vop. virus 3 no.6:357-362 N-D '58. (MIRA 12:1)

1. Leningradskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.
(INFLUENZA, immunol.
vaccine, eff. of live virus concentration on immunol. qualities (Rus))

GRIGOR'YEVA, A. G.

20589 GRIGOR'YEVA, A. G. Arkadiy viktorovich voznesenskiy, ego zhizn' i nauchnaya deyatel'nost'. (Klimatolog. 1864-1936). Izvestiya vsesayuz. Geogr. o-va, 1949, vyp.3, s. 303-20, s portr. -<<Bibliografiya pechatnykh trudov arkadiya viktorovich vosnesenskogo77, s. 317-20

SO: LETOPIS ZHURNAL STATEY - Vol. 28- Moskva- 1949

GRIGOR'YEVA, A. G. 261T96

USSR/Meteorology - Climatology Jun 53

"Review of Selected Works' of the Founder of Contemporary Climatology," (S.A. Sapozhnikova, Dr Geog Sci and A.G. Grigor'yeva, Cand Geog Sci, reviewers)

Priroda, No 6, pp 117-120

Review of A.I. Voyeykov's "Izbrannyye Sochineniya" edited by Acad A.A. Gregor'yev, Inst of Geog of Acad Sci USSR, published by Acad Sci USSR Press (Vol 1, 1948, 750 pp; Vol 2, 1949, 225 pp; Vol 3 1952, 502 pp).

261T96

GRIGOR'YEVA, A.G.; SAPOZHNIKOVA, S.A., doktor geograficheskikh nauk, otvetstvennyy redaktor; YASNOGORODSKAYA, M.M., redaktor; SOLOVEYCHIK, A.A., tekhnicheskiy redaktor

[A.V.Voznesenskii, climatologist and geographer] A.V.Voznesenskii - klimatolog, geograf. Leningrad, Gidrometeor.izd-vo, 1954 43 p. (MLRA 10:9)

(Voznesenskii, Arkadii Viktorovich, 1864-)

PHASE I BOOK EXPLOITATION SOV/4966

Soveshchaniye po poluprovodnikovym materialam. Moscow, 1957

Voprosy metallurgii i fiziki poluprovodnikov; trudy 3-go soveshchaniya. (Problems in the Metallurgy and Physics of Semiconductors; Transactions of the Third Conference) Moscow, Izd-vo AN SSSR, 1959. 129 p. Errata slip inserted. 3,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A. A. Baykova. Resp. Ed.: N. Kh. Abrikosov, Doctor of Chemical Sciences; Ed. of Publishing House: P. F. Zelotov.

PURPOSE: This collection is intended for technical and scientific personnel concerned with the investigation and production of semiconductor materials. It may also be used by students in schools of metallurgy.

COVERAGE: The collection contains reports submitted at the Third Conference on Semiconductor Materials, held at the Institute of Metallurgy imeni A. A. Baykov, AS USSR, Moscow, in May 1957. The reports deal with problems of obtaining and investigating germanium, silicon, and semiconductor compounds. The collection was first edited by D. A. Petrov, Doctor of Technical Sciences. References accompany most of the reports.

AVAILABLE: Library of Congress

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GRIGOR'YEVA, A.G.

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S/576/61/000/000/008/020
E036/E162

AUTHORS: Presnov, V.A., Izergin, A.P., Krivov, M.A., Vyatkin, A.P., Stroitelev, S.A., Mal'chenko, E.N., Malisova, Ye.V., Selivanova, V.A., and Grigor'yeva, A.G.

TITLE: An investigation of gallium arsenide

SOURCE: Soveshchaniya po poluprovodnikovym materialam, 4th. Voprosy metallurgii i fiziki poluprovodnikov, poluprovodnikovyye soyedineniya i tverdyye splavy. Trudy soveshchaniya. Moscow, Izd.-vo AN SSSR, 1961. Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova. Fiziko-tekhnicheskiy institut. 70-75

TEXT: The large energy gap and high electron mobility in gallium arsenide indicate its possible uses in the construction of semiconductor devices for high temperature operation or as a useful photo element. The present paper gives the results of investigations into the electrophysical and rectifying properties of gallium arsenide. The samples, obtained by fusing in ampoules and zone refining, were subjected to measurement of Hall constant,

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An investigation of gallium arsenide E036/E162

thermo-e.m.f. and electrical conductivity as a function of temperature, as well as measurements of variation of resistivity with magnetic field. The bars used in the measurements were either single-crystal or had a coarse crystalline structure; ohmic contacts were made by alloying in tin in vacuum. Before zone refining, resistivities twenty or more times less than that of the material after zone refining can be obtained, and thus refining gives crystals of increased purity. An anomaly was observed in the curve of magneto-resistance $\Delta\rho/\rho$ as a function of magnetic field for p-type material at 105 °K. The fractional change in resistivity decreased to a minimum before increasing again; similar results were reported by Fritzsche and Lark-Horovitz (Ref.1: Phys. Rev., 1955, 99, 400), on InSb at 12 °K. Compensation is stated to be involved in this effect. From the variation of thermo-e.m.f., α, with temperature, the effective mass is evaluated using the Pisarenko formula, assuming that electrons are scattered by lattice vibrations according to a $T^{-3/2}$ law, where T is the temperature in °K. The value of 0.027 agrees with that obtained by Barrie (Ref.2: Physica, 1954, Vol.20, 11).

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An investigation of gallium arsenide

The curves of log σ against I/T, where σ is the electrical conductivity, varied markedly with the degree of purity (that is, the number of passages of the zone during zone refining). In Fig.4a, curve 1 is for an unrefined sample showing little change in σ at low temperatures; curve 2 is for the sample after the passage of one zone; and in Fig.4b curve 3 is after the passage of six zones. The decreasing conductivity of the latter over the range 30-200° with increasing temperature is due to reduced electron mobility. Similar effects of zone refining on carrier concentration are also observed. From these curves the acceptor impurity activation energy was found to be 0.25 eV, and for the donor, 0.12 eV. Preliminary data showed that electro-purification in high electric fields and measurement by pulses was necessary. In addition to these measurements, current - voltage curves of point-contact diodes of GaAs are reported as a function of temperature. The surfaces were polished, etched and washed before a tungsten or phosphor-bronze point contact was applied. The ohmic contact was made by alloying tin, lead or silver. The rectifying characteristics of n-type material were significantly better than

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E036/E162

An investigation of gallium arsenide

for p-type, the rectifying coefficients being 10^4 - 10^5 and 10^2 respectively. The reverse voltages and breakdown stability were also better in n-type samples. Reverse voltages of 10-15 V were obtained after the passage of six zones during purification. Temperature stability over the range 20-300° was very good for diodes with the silver ohmic contacts, as shown in the current-voltage curves of Fig.7. The usual metal-semiconductor theory is applied to the results in the range below 1 V; that is the equation:

$$I = I_o(e^{\alpha V} - 1) \quad (1)$$

is assumed, where V is the voltage drop across the barrier and I_o, the saturation current, is given by

$$I_o = Ce\exp(-qV_k/kt),$$

V_k being the barrier height. Both the constant α and V_k are calculated from the results. Although at room temperature $\alpha = 19\ V^{-1}$, and thus deviates significantly from the theoretical value of $40\ V^{-1}$, this can have many causes, in particular

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failure to take account of surface conductivity. From the variation of the reverse saturation current with temperature the barrier height V_k is found to be 0.8 eV. For p—n junction rectification the barrier height would approximate to the energy gap of 1.4 eV, in considerable disagreement with the experimental value. A better agreement is possible if a metal-semiconductor contact is assumed, although the analysis cannot be considered final.

4

There are 9 figures and 5 references: 2 Soviet-bloc, 1 Russian translation from non-Soviet-bloc publication, and 2 non-Soviet-bloc. The English language references read as follows:
Ref.1: Fritzsche, Lark-Horovitz. Phys. Rev., 1955, Vol.99, 400.
Ref.2: Barrie, Physica, 1954, Vol.20, 11.

CAPTION TO FIG.7: Temperature dependence of current-voltage curves. 1 - 20°; 2 - 100°; 3 - 140°; 4 - 234°.

Card 5/7

BABKOV, I.I.; GRIGOR'YEVA, A.G.

From the history of the Geographical Depar[redacted]. Vest.LGU 16 no.24: 112-115 '61. (MIRA 14:12)

(Geography--Study and teaching)

GRIGOR'YEVA A. G.

Investigation of the kinetic characteristics of highly doped indium antimonide. V. A. Kokoshkin (10 minutes).

Synthesis, doping, and preparation of single crystals of gallium arsenice. A. P. Izergin, A. G. Grizor'yeva, V. N. Chernigovskaya, G. M. Ikonnikova.

Crystallization of gallium arsenide under different pressures of arsenic vapor. S. S. Khlubkov, V. A. Celivanova, G. M. Ikonnikova.

Influence of impurities on the electrical properties of gallium arsenide. M. A. Krivov, Ye. V. Malisova, C. V. Malyanov. (Presented by M. A. Krivov--15 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

GRIGOR'YEVA, A.G.; CHERNIGOVSKAYA, V.N.; IZERGIN, A.P.

Gallium arsenide synthesis from the melt. Izv.vys.ucheb.zav.;fiz.no.2: 180 '63. (MIRA 16:5)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.
(Gallium arsenide crystals--Growth)

ACCESSION NR: AR4015648 S/0081/63/000/021/0020/0020

SOURCE: RZh. Khimiya, Abs. 21B104

AUTHOR: Katayev, G. A.; Grigor'yeva, A. G.; Rozanova, L. N.

TITLE: The problem of growing monocrystalline flakes ofgallium arsenide

CITED SOURCE: Tr. Tomskogo un-ta, v. 154, 1962, 193-194

TOPIC TAGS: gallium arsenide, monocrystalline gallium arsenide, single crystal growth, crystal growth temperature dependence, crystal growth technique

ABSTRACT: The study considers the effects of temperature conditions and of the introduction of gallium arsenide into the system Ga-As on the size of crystals obtained under such conditions. Near the melting point, this system was examined by analogy with emulsions, which become increasingly dispersed the higher the temperature. The degree of dispersion drops when the temperature is lowered. The following conditions must be observed in order to grow large monocrystals: 1) the aggregates in the system must already be sufficiently large during the pre-crystallization stage, since during this period the viscosity of the system increases sharply and the aggregation rate drops sharply; 2) crystallization must proceed at a slow rate, since otherwise impurities will not be repelled and will be cap-

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ACCESSION NR: AR4015648

tured by the crystal lattice. The authors describe the temperature conditions necessary to obtain single crystal flakes about 2 cm long and 1 cm wide. The surface of a flake represents a plane (111). Excess gallium was initially removed mechanically, and then the flakes were processed in hydrochloric acid until the Ga was fully eliminated. The possibility of growing larger flakes by the simultaneous introduction of arsenide rods into the Ga-As system was studied. Tests were carried out in open quartz tubes, a quartz bucket holding the test specimen being placed at the bottom of the test tube. Ye. Koryatnyky

DATE ACQ: 09Dec63 SUB CODE: CH ENCL: 00

Card 2/2

GRIGOR'YEVA, A.G.; CHERNIGOVSKAYA, V.N.; IZERGIN, A.P.

Refinement of gallium arsenide by the zone dissolution method. Izv. vys. ucheb. zav.; fiz. no.4:16-18 '63. (MIRA 16:9)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni V.V. Kuybysheva.
(Gallium arsenide)

ACCESSION NR: AP4025100 S/0139/63/000/006/0177/0178

AUTHORS: Chernigovskaya, V. N.; Grigor'yeva, A. G.; Izergin, A. P.

TITLE: Synthesis of gallium arsenide in graphite boats

SOURCE: IVUZ. Fizika, no. 6, 1963, 177-178

TOPIC TAGS: gallium arsenide, gallium arsenide synthesis, graphite boat, impurity, Mg, Cu, Fe, Al, Si, semiconductor, silicon contamination

ABSTRACT: A new apparatus to be used in gallium arsenide synthesis is described. It involves an elongated square-section graphite boat so suspended within a quartz glass ampule as to eliminate the graphite-quartz contact (see Fig. 1 of the Enclosure). The apparatus was developed to prevent the silicon contamination resulting from the reaction of graphite and quartz at the temperature of 1240C necessary for the reaction and for zonal purification of gallium arsenide. Material produced in this apparatus was free of Si. Its content of Mg, Cu, Fe, and Al ranged from zero to acceptably small amounts throughout the body of each sample. Orig. art. has: 1 figure and 2 tables.

Card 1/3

Card

ACCESSION NR: AP4025100

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete imeni V. V. Kuyby*sheva (Siberian Physical and Technical Institute, Tomsk State University)

SUBMITTED: 10Dec62 DATE ACQ: 14Feb64 ENCL: 01

SUB CODE: ML, PH NO REF SOV: 001 OTHER: 002

Card 2/3

ACCESSION NR: AP4025100 ENCLOSURE: 01

Fig. 1. (Abstracter's note: Neither title nor parts description given.)

Card 3/3

GONCHARENKO, Mikhail Nikolayevich; MAKAROV, S.I., spets. red.; GRIGOR'YEVA, A.I., red. [illegible], M.Z., tekhn. red.

[Automatic control in military science] Kibernetika v voennom dele. Moskva, DOSAAF, 1963. 343 p. (MIRA 16:10)
(United States--Fire control (Gunnery))
(United States--Guided missiles)
(United States--Electronics in military engineering)

BURDEYNYY, F.I. (UA3-1); KAZANSKIY, N.V. (UA3AF); GRIGOR'YEVA, A.I., red.; BLAZHENKOVA, G.I., tekhn.red.

[Concise handbook for shortwave radio amateurs] Karmannyi spravochnik radioliubitelia-korotkovolnovika. Moskva, Izd-vo DOSAAF, 1959. 63 p. (MIRA 13:6)
(Radio, Shortwave--Amateurs' manuals)

KRUZE, Ilariy Leonidovich; GRIGOR'YEVA, A.I., red.; FAYNSHMIDT, F.Ya., tekhn.red.

[Operating automobiles in winter; handbook for amateur automobilists] Avtomobil' zimoi; prakticheskoe posobie dlia avtoliubitelei. Moskva, Izd-vo DOSAAF, 1960. 70 p. (MIRA 13:9)
(Automobiles--Cold weather operation)

VESELOVSKIY, A.I.; GLUKHOVTSEV, S.A.; ZAKHAROV, S.N.; KRIVONOSOV, L.M.; GRIGOR'YEVA, A.I., red.; KARYAKINA, M.S., tekhn.red.

[Ship models] Morskoi modelizm. Moskva, Izd-vo DOSAAF, 1960. 316 p. (MIRA 13:11)
(Ship models)

SAPOZHNIKOV, Yevgeniy Vasil'yevich; GRIGOR'YEVA, A.I., red.; KOROLEV, A.V., tekhn. red.

[Learn to fly a glider] Uchis' letat' na planere. Izd.3., dop. i perer. Moskva, Izd-vo DOSAAF, 1961. 197 p. (MIRA 15:4)
(Gliding and soaring)

SHVAYKOVSKIY, Vitaliy Vladimirovich; GRIGOR'YEVA, A.I., red.; KARYAKINA, M.S., tekhn. red.

[Modern motorcycles; construction of motrcycles and motor scooters] Sovremennye mototsikly; ustroistvo mototsiklov i motorollerov. Izd.2., perer. Moskva, Izd-vo DOSAAF, 1961. 287 p. (MIRA 15:2)
(Motorcycles) (Motor scooters)

BURLYAND, V.A.; YENYUTIN, Ye.A.; ZHEREBTSOV, I.P.; LEVITIN, Ye.A.; LOMANOVICH, V.A.; NEFEDOV, A.M.; SOBOLEVSKIY, A.G.; SONIN, Ye.K.; GRIGOR'YEVA, A.I., red.; KARYAKINA, M.S., tekhn. red.

[A book for rural radio amateurs] Kniga sel'skogo radioliubitelia. Pod obshchei red. V.A.Berlianda. Moskva, Izd-vo DOSAAF, 1961. 511 p. (MIRA 15:3)

(Radio)

DOL'NIK, A.G.; GRIGOR'YEVA, A.I., red.; MUKHINA, Ye.S., tekhn. red.

[The best designs]Luchshie konstruktsii. Moskva, Izd-vo DOSAAF, 1962. 158 p. (MIRA 15:10)

1. Moscow. Vsesoyuznaya vystavka tvorchestva radiolyubiteley-konstruktorov, 16th, Moscow.
(Moscow--Exhibitions) (Radio--Exhibitions)

BUZANOV, Aleksey Alekseyevich; PECHATIN, Aleksandr Aleksandrovich; PALEYEV, N.M., red.; GRIGOR'YEVA, A.I., red.; KOROLEV, A.V., tekhn. red.

[Engine operator's textbook]Uchebnoe posobie motorista. Moskva, Izd-vo DOSAAF, 1962. 291 p. (MIRA 16:2)
(Marine engines)

GRIGOR'YEVA, A.I.

Diesters of xanthic acids as antiwear additives to lubricating oils. Khim. i tekh. topl. i masel. 8 no.3:29-32 Mr '63. (MIRA 16:4)

1. Leningradskiy neftemaslozavod.
(Xanthic acid)
(Lubrication and lubricants—Additives)

GORBACHEV, N.M.; KOMISSAROV, N.S.; SOLOV'YEV, G.M., red.; GRIGOR'YEVA, A.I., red.; KOROLEV, A.V., tekhn. red.

[Training in car driving] Obuchenie voshdeniiu avtomobilia. Moskva, Izd-vo DOSAAF, 1962. 155 p. (MIRA 16:6)
(Automobile drivers--Education and training)

SENICHKIN, G.V.; SENICHKIN, A.G.; KHAL'FAN, Yu.A., red.; GRIGOR'YEVA, A.I., red.; ZIL'BER, R.B., tekhn. red.

[Engine in operation] Dvigatel' v puti. Moskva, Izd-vo DOSAAF, 1963. 95 p. (MIRA 16:12)
(Motor vehicles—Engines)

IVKOV, Igor' Mikhaylovich, master sporta SSSR; GRIGOR'YEVA, A.I., red.; BLAZHENKOVA, G.I., tekhn. red.

[Methods for training motorcycle drivers] Metodika obucheniia vozhdeniiu mototsikla. Moskva, Izd-vo DOSAAF, 1963. 126 p. (MIRA 16:12)

(Motorcycles)

KHAL'FAN, Yuriy Arkad'yevich; ARONOV, D.M., red.; GRIGOR'YEVA, A.I., red.; SOROKIN, M.Z., tekhn. red.

[For amateur automobile sportsman about the "Moskvich" automobile] Avtosportsmenu-liubiteliu ob avtomobile "Moskvich." Moskva, Izd-vo DOSAAF, 1963. 156 p. (MIRA 17:2)

GLAZUNOV, S.V.; KHAL'FAN, Yu.A., red.; GRIGOR'YEVA, A.I., red.

[High-speed automobiles; types and construction] Skorostnye avtomobili; tipy i konstruktsii. Moskva, DOSAAF, 1964. 182 p. (MIRA 18:1)

L 34839-65 EWT(m)/EPF(c)/T Pr-4 DJ
ACCESSION NR: AP5008534 S/0286/65/000/006/0036/0037

AUTHOR: Grigor'yeva, A. I.; Afanas'yev, I.D.

TITLE: A method for producing dixanthate antiwear additives for lubricating oils. Class 23, No. 169165

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 36-37

TOPIC TAGS: antiwear additive, aliphatic sulfur compound, xanthate, lubricating oil

ABSTRACT: This Author's Certificate introduces a method for producing dixanthate antiwear additives for lubricating oils by treating an alkylxanthate of potassium with dichloroethane. Isobutylxanthate or isopropylxanthate in alcohol is treated with dichloroethane while being heated. The potassium chloride percipitate is then separated and the alcohol solution of dixanthate is frozen until crystals are formed. The crystals are then separated from the mother liquor. Odorless light yellow crystalline dixanthates are produced by this method.

ASSOCIATION: none

Card 1/2

ZHEREBTSOV, Ivan Petrovich; GRIGOR'YEVA, A.I., red.; TROITSKIY, L.V., red.

[Electrical engineering for radio operators] Elektrotekhnika dlia radistov . Izd.2., perer. i dop. Moskva, Izd-vo DOSAAF, 1964. 288 p. (MIRA 18:1)

GRIGOR'YEV, A.I., Cand Geol-Min Sci -- (diss) "Peculiarities of formation of the Mezozoic and Cenozoic deposits and ~~connected with the~~ related gold-bearing sands of the basin of the upper ~~peaks~~ reaches of the River Vitim (Barguzinskaya taiga)." Mos, 1958. 15 pp (Min of Higher Education USSR. Mos Inst of Non-Ferrous Metals and Gold im M.I.Kalinin), 150 copies (KL,43-58, 115)

GRIGOR'YEVA, A. I.

Children's Infections Section, Uzbekistan Inst. of Epidemiol., and Microbiol. (-1944-)

"The Natural Immunity Against Diptheria in Remote Localities of Uzbekistan."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 6, 1944

BUROV, K.D.; GRIGOR'YEVA, A.I.; ZAKHIDOVA, Kh.R.

Study of the quality of clinical and laboratory diagnosis of diphteria by the use of a tellurite medium and determination of antitoxin in the blood of patients who have had an atypical clinical course. Trudy Tash. NIIVS 5:118-123'62.
(MIRA 16:10)

(DIPHTHERIA) (DIPHTHERIA ANTITOXIN)

[illegible], [illegible]

Dissertation: "Immunological Structure and Sensitivity of the Child Population in Respect to Diphtheria in Uzbekistan." Cand Med Sci, Tashkent Medical Inst, [illegible] May 54. (Pravda Vostoka, Tashkent, 22 Apr 54)

SO: SUM 243, 19 Oct 1954

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051682(

ZALETOV, Lev Mikhaylovich; GRIGOR'YEVA, A.I., red.; FAYNSHMIDT, F.Ya., tekhn. red.

[Lifesaving devices and their use] Spasatel'nye sredstva i ikh primenenie. Moskva, Izd-vo DOSAAF, 1960. 53 p. (MIRA 14:10)
(LIFESAVING APPARATUS)

USSR/General Problems. Methodology. History. Scientific Institutions and Conferences. Teaching. Problems of Bibliography and Scientific Documentation. A

Abs Jour : Ref Zhur-Khimiya, No 6, 1958, 16710

Author : Grigor'yeva A. I.
Inst : Not given
Title : Three Tenth Class Chemistry Lessons on the Theme "Aluminium."

Orig Pub : Mugalimderge zhardam, 1957, No 10, 19-24 (Kirg.)

Abstract : No abstract

Card 1/1

SABININ, Andrey Aleksandrovich; GRIGOR'YEVA, A.I., red.; MUKHINA, Ye.S., tekhn. red.

[Sports and racing cars]Sportivnye i gonochnye avtomobili. Moskva, Izd-vo DOSAAF, 1962. 100 p. (MIRA 15:8)
(Automobiles, Racing)

IL'IN, Nikolay Grigor'yevich; RYABKOV, Valentin Fedorovich; GRIGOR'YEVA, A.I., red.; MIKHLINA, L.T., tekhn. red.

[Radar in antiaircraft defense] Radiolokatsionnye sredstva protivovozdushnoi oborony. Moskva, Izd-vo DOSAAF, 1962. 146 p. (MIRA 16:4)

(Radar)

GRIGOR'YEVA, A. I.

ARTEM'YEV, Vasiliy Fedorovich; GRIGOR'YEVA, A.I., red.; GUREVICH, M.M., tekhn. red.; TRUKHINA, O.N., tekhn. red.

[Practices in basic improvement of meadows and the growing of meadow and pasture grass seeds]Opyt korennogo uluchsheniia lugov i vyrashchivaniia semian lugopastbishchnykh trav. Moskva, Sel'khozizdat, 1961. 18 p. (MIRA 15:10)
(Pastures and meadows) (Seed production)

ORLOV, Vasiliy Pavlovich; GRIGOR'YEVA, A.I., red.; GUREVICH, M.M., tekhn. red.

[Irrigated farm fields]Zemledel'cheskie polia orosheniia. 3., perer. i dop. izd. Moskva, Sel'khozizdat, 1961. 141 p.
(Sewage irrigation) (MIRA 15:10)

NIKONOV, M.N., prof.; FATCHIKHINA, O.Ye., kand. sel'khoz. nauk; GORSHKOV, L.A.; KOCHER, S.G.; KATS, P.S., kand. sel'-khoz. nauk; GRIGOR'YEVA, A.I., red.; SOKOLOVA, N.N., tekhn. red.

[Peat in agriculture]Torf v sel'skom khoziaistve. [By] M.N. Nikonov i dr. Moskva, Sel'khozizdat, 1962. 166 p. (MIRA 15:11)

(Fertilizers and manures) (Peat)

KOZ'MINA, Nataliya Petrovna; LYUBARSKIY, Lev Nikolayevich; GRIGOR'YEVA, A.I., red.; GUREVICH, M.M., tekhn. red.

[Grain and its quality evaluation]Zerno i otsenka ego kachestva. Moskva, Sel'khozizdat, 1962. 149 p. (MIRA 16:2)
(Grain--Analysis and chemistry)

GRIGOR'YEVA, A.I., red.; PROKOF'YEVA, L.N., tekhn. red.; TRUKHINA, O.N., tekhn. red.

[Cultivation practices in growing sugar beets for seed] Agrotekhnika vyrashchivaniia sakharnoi svekly na semena. Moskva, Sel'khozizdat, 1962. 206 p. (MIRA 16:8)
(Sugar beets) (Seed production)

VITKEVICH, V.I.; SAMBIKIN, M.M., prof., retsenzent; CHUBUKOV, L.A., prof., retsenzent; GRIGOR'YEVA, A.I., red.; SOKOLOVA, N.N., tekhn. red.

[Practical work in agricultural meteorology] Prakticheskie zaniatiia po sel'skokhoziaistvennoi meteorologii. 2., perer. i dop. izd. Moskva, Sel'khozizdat, 1962. 319 p. (MIRA 16:6)
(Meteorology, Agricultural)

OVSYANNIKOV, T.N.; GRIGOR'YEVA, A.I., red.; TRUKHINA, O.N., tekhn. red.

[Controlling wild oats and other weeds; from practices used on the "Kharitonovskii" State Farm in Zav'yalovo District, Altai Territory] Bor'ba s ovsiugom i drugimi sorniakami iz opyta sovkhoza "Kharitonovskii "Zav'ialovskogo raiona, Altaiskogo kraia. Moskva, Sel'khozizdat, 1963. 22 p.
(MIRA 16:7)

1. Glavnyy agronom sovkhoza "Kharitnovskiy" Zav'yalovskogo rayona Altayskogo kraya (for Ovsyannikov).
(Weed control) (Wild oats)

BUZANOV, I.F.; SAMBUROV, V.I.; YEMETS, G.M.; ORLOVSKIY, N.I.; NEGOVSKIY, N.A.; FEDOROV, A.I.; GREKOV, M.A.; KURBATOV, S.T.; MEL'NICHUK, A.N.; TONKAL', Ye.A.; GORNAYA, V.Ya.; ROZHDESTVENSKIY, I.G.; SIDOROV, A.A.; KUDARENKO, F.F.; BROVKINA, Ye.A.; GELLER, I.A.; DOBROTVORTSEVA, A.V.; VARSHAVSKIY, B.Ya.; KUTSUBA, N.V.; KUZ'MICH, S.I.; PRESNYAKOV, P.V.; USHAKOV, A.F.; SHEVCHENKO, V.N.; KHUCHUA, K.N.; PETRUKHA, Ye.I.; POZHAR, Z.A.; SHAPOVALOV, P.T.; AREF'YEV, T.I.; GRIGOR'YEVA, A.I., red.; BALLOD, A.I., tekhn. red.

[Sugar beets] Sakharnaia svekla. Moskva, Sel'khozizdat, 1963. 487 p. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly. 2. Nauchnyye sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for all except Grigor'yeva, Ballod).
(Sugar beets)

SIDORNIKOV, S.S., kand. sel'khoz. nauk; GRIGOR'YEVA, A.I., red.

[Agricultural problems in the Virgin Territory] Voprosy zemledeliia v Tselinnom krae. Moskva, Izd-vo "Kolos," 1964. 254 p. (MIRA 17:6)

NOSATOVSKIY, Anton Ivanovich; GUBANOV, Ya.V , nauchn. sotr., kand. sel'khoz. nauk; TARASENKO, B.I., nauchn. sotr., kand. sel'-khoz.nauk; GRIGOR'YEVA, A.I., red.

[Wheat; its biology] Pshenitsa; biologiia. Izd.2., dop. Moskva, Kolos, 1965. 567 p. (MIRA 18:4)

1. Kubanskiy sel'skokhozyaystvennyy institut (for Gubanov, Tarasenko).

ACC NR: AR6017547 SOURCE CODE: UR/0169/66/000/001/D014/D014

AUTHOR: Parkhomovskiy, O.A.; Andreyeva, R.I.; Burakovskiy, L.Ye. Goncharova, T.A.; Grigor'yeva, A.I.; Ivanets, N.I.; Ivanyuta, M.M.; Kozar, L.T.; Raykher, L.D.; Senina, A.S.; Tkachenko, Zh. Ya.; Tkhir, D.G.

TITLE: Determination of the development level of the technique and technology of geological prospecting for oil and gas in the Ukraine

SOURCE: Ref. zh. Geofizika, Abs. 1D97

REF SOURCE: Tr. Ukr. n.-i. geologorazved. in-t, vyp. 10, 1965, 10-17

TOPIC TAGS: prospecting, seismic prospecting, ~~oil prospecting~~, gas ~~prospecting~~, PETROLEUM, magnetometer, gravimetry / M-2 MAGNETOMETER, UKRAINE

ABSTRACT: Geological-geophysical prospecting for oil and gas, completed on the Ukraine during 1960-1962 was analyzed. At present all the oil-bearing territory of the Ukraine is covered by prospecting survey with the M-2 magnetometer. The cost of study was 46.4 roubles/km^2. The output and precision of the aeromagnetic survey is much better. The gravimetric survey is basically complete. The cost of the total survey was 92.2 roubles per km^2 in 1960 and 47.2 roubles in 1962. Highly precise gravimeters (.01 - .03 mgal) can elucidate various anomalies. Inspite of the relative cheapness of of the electro-recon method, and its mobility, it has not been afforded the deserved development in the Ukraine. Volume of seismic work reaches 87% of the total geophysi-

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UDC: 550.830(477)

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ACC NR: AR6017547

cal work volume. Cost of 1 km of seismic profile work was 560-850 roubles. In 1962, seismic reconstructing instrumentation for the automatic processing of seismograms and design of boring sections has been developed. Techno-economical indices of structural mapping boring are very high; those of structural-recon boring are at relatively low levels. On the basis of consideration of the possibilities of each method, a methodology for the recon of oil and gas is proposed. Translation of abstract.

SUB CODE: 08

Card 2/2 nf

GRIGOR'YEVA, A.I., red.

[Sugar beets as feed] Sakharnaia svekla na korm; sbornik statei. Moskva, Sel'khozizdat, 1963. 278 p. (MIRA 16:2)

VEKSLER, A.A.; GRIGOR'YEVA, A.M?; KUL'CHITSKAYA, V.S.; LUTSENKO, A.I.; PEREL'ZON, R.M.; TATASOVOVA, M.V.; SLEMZIN, A.A., redaktor; FOMICHEV, P.M., tekhnicheskiy redaktor

[Soviet live stock in numbers; a statistical manual] Chidlennost' skota v SSSR; statisticheskii sbornik. Moskva, Gos.stat.izd-vo, 1957. 618 p. (MLRA 10:8)

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