GABUNIYA, L. K.

Footprints of dinosaurs on the Sataplin mountains. Proroda, 41, no 1, 1952.

GABUNIYA, L.K.

Certain problems of Soviet paleontology. Izv.AN SSSR.Ser.biol. no.3:112-128 My-Je '53. (MLRA 6:6)
(Paleontology)

1. GABUNIYA, L.K.

2. USSR (600)

4. Georgia - Paleontology

7. Oligocene mammalian fauna of Georgia, Priroda 42 no. 4, 1953.

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

GABUNIYA, L. K.

"History of the Hipparions (According to Data From The Neogene of the USSR)." Dr Geol-Min Sci, Inst of Geology and Mineralogy, Acad Sci Georgian SSR, Tbilisi, 1954. (RZhGeol, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556 24 Jun 55

GABUNIYA, L.K.

Remains of a new specimen of Bovinae from Upper Miocene deposits in eastern Georgia. Soob. AN Gruz.SSR 16 no.6:459-461 '55. (MLRA 9:2)

1. Akademiya nauk Gruzinskoy SSR, Sektor paleobiologii, Tbilisi. Predstavleno deystvitel'nym chlenom Akademii L.Sh.Davitashvili.
(Georgia--Bovinae)

GABUNIYA, L.K.

An unusual specimen of the Indricotheriidae family from the Oligocene found in Georgia. Dokl. AN Arm. SSR 21 no.4:177-182 '55. (MIRA 9:3)

1. Sektor paleobiologii Akademii nauk Gruzinskoy SSR. Predstavleno I.G. Magak'yanom.

(Georgia--Rhinoceros)

GABUNIYA, L. K.

USSR/ Geology - Paleontology

Card 1/1 Pub. 22 - 42/52

Authors : Gabuniya, L. K.

Title : Residues of the new variety of DICROCERUS from meotic deposits of eastern Georgia

Periodical : Dok. AN SSSR 100/2, 359-360, Jan 11, 1955

Abstract : The discovery of remains of a Dicrocerus saiomeae sp. nov (archaic deer) in the meotic deposits of eastern Georgia (Gruz-SSR), is announced. Four references: 2 French, 1 USSR and 1 German (1887-1952).

Institution : Academy of Sciences Gruz. SSR, Paleobiological Faculty

Presented by : Academician E. N. Pavlovskiy, July 20, 1954

GABUNIYA, L. K.

USSR/ Geology - Paleontology

Card 1/1 Pub. 22 - 38/54

Authors : Gabuniya, L. K.

Title : Discovery of Hipparion remains in diatomites from the Kisatib region

Periodical : Dok. AN SSSR 102/5, 997-998, Jun 11, 1955

Abstract : Geological data are presented regarding the discovery of Hipparion remains in the diatomite earth excavated in the Kisatib region of Georg. SSR. Sixteen references: 15 Russian and USSR and 1 German (1887-1951). Drawing.

Institution : Acad. of Sc., Georg. SSR, Paleobiological section

Presented by : Academician N. S. Shatskiy, February 14, 1955

GABUNIYA, L.K.

GABUNIYA, L.K.

A new Middle Miocene species of the family Suidae found in Belomechetskaia, northern Caucasus. Dokl. AN SSSR 102 no.6:1203-1206 Je'55. (MLRA 8:10)

1. Sektor paleobiologii Akademii nauk Gruz.SSR. Predstavleno akademikom N.S.Shatskim

(Belomechetskaia--Swine, Fossil)

GABUNIYA, L.K.

Discovery of remains of a fossil aardvark (Orycteropus sp.) in middle Miocene deposits of Belomechetskaya in the Northern Caucasus. Dokl.AN Azerb.SSR 12 no.3:203-206 '56. (MLRA 9:8)

1. Sektor paleobiologii AN Gruzinskoy SSR. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.M. Aliyevym.
(Caucasus, Nothern--Aardvark, Fossil)

Gabuniya, L. K.

15-1957-7-9084

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7, p 36 (USSR)

AUTHOR: Gabuniya, L. K.

TITLE: On the Discovery of Fossil Tubulidentate Remains (Orysteropus sp.)[sic] in the Middle Miocene Rocks of Belomechetskaya (Northern Caucasus) (O nakhodke ostatkov iskopayemogo trubkozuba (Orysteropus sp.) v srednemiotsenovykh otlozheniyakh Belomechetskoy (Severnyy Kavkaz))

PERIODICAL: Dokl. AN AzSSR, 1956, vol 12, Nr 3, pp 203-206

ABSTRACT: This is the description of the lower jaw of a tubulidentate from Chokrakskiy rocks at the Belomechetskaya station on the Kuban' River. The Belomechetskaya tubulidentate is the oldest of the known representatives of Orycteropus. This fact, in conjunction with the known Meotian occurrence of O. gaudryi in the Ukraine, leads to the conclusion that the seat of

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15-1957-7-9084

On the Discovery of Fossil Tubulidentate Remains (Orysteropus sp.) [sic] in the Middle Miocene Rocks of Belomechetskaya (Northern Caucasus) (Cont.)

development of the genus Orycteropus might have been somewhere in the region of the southern European part of the USSR. One figure is included.

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L. K. Gabuniya

20-1-38/44

AUTHOR: Gabuniya, L. K.

TITLE: On a Representative of Chalicotheres from the Eocene of South Georgia (O khalikoterii iz eotsena yuga Gruzii).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 1, pp. 137-140 (USSR).

ABSTRACT: It was until recently stated that terrestrial vertebrates in Transcaucasia existed only since the end of the Miocene. Recent investigations showed, however, that two-legged dinosaurs densely populated the West Georgian mainland already in the Mesozoic Era. At present it is known, that a rather substantial and manifold fauna of mammals and reptiles lived in Grusinia in the Oligocene. Remains of an apparently rhinoceros-like form in the Middle-Miocene were lately found by Kartli (East Georgia). Unfortunately it can not be accurately determined. Table 1 gives the dimensions of the femur found of the Chalicotheriidae, gen? from Vani. It was found in 1957 in faunally characterized marine Upper-Eocene deposits of Adzharia (village of Vani in southwestern Georgia). This bone represents the oldest find of fossil remains of terrestrial mammals in the region of the European USSR and is as well paleontologically as paleozoogeographically and paleogeographically of great interest. An accurate description follows. The difference of the femurs found of Condylarthra, Pantodonta and Dinocerata are,

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On a Representative of Chalicotheres from the Eocene of South Georgia. 20-1-38/44

in spite of some similarities, so great that the classification with them seems impossible. Much greater is the similarity with the ancient Perissodactyla. Among the rhinoceros-like animals the Hyracodontae and the Brontotheriae remind of the Vani form. Nearest to this form, however, are the Chalicotheres, namely Moropus, Macrotherium and Phylotillon. A thorough comparison is carried out. Although the bone no doubt belongs to a new genus, the author abstains from establishing such a genus, as the materials is to poor. The occurrence of this form in the Eocene of Adzharia indicates the presence of a near rather large mainland which perhaps was the scene of extremely important events for the history of the early mammals of the Old World. It is possible that the exchange of faunas between Europe and Asia took place exactly here already in the Eocene. This old Transcaucasian mainland seems to the author to have been a kind of filtering zone from which only the most mobile and enduring forms advanced to Europe (or to Asia). It is possible, that the very probable, long-lasting isolation periods of this mainland caused the peculiarity of the fauna of terrestrial mammals living here. Therefore the possibility is not out of the question that it is just in the region of the Transcaucasian mainland that some groups of mammals formed whose offspring seems

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On a Representative of Chalicotheres from the Eocene of South Georgia. 20-1-38/44

strange or hard to explain in Central Asia or Eastern Europe. There are 1 figure, 1 table and 13 references, 7 of which are Slavic.

ASSOCIATION: Paleobiology Section of the AS of the Georgian SSR (Sektor paleobiologii Akademii nauk GruzSSSR).

PRESENTED: By N. S. Shatskiy, Academician, March 22, 1957.

SUBMITTED: March 19, 1957.

AVAILABLE: Library of Congress.

Card 3/3

GABUNIYA, L.K.

Fossil rhinoceros from the Sagvardzhile Cave (western Georgia). Soob. AN Gruz. SSR 19 no.2:193-196 Ag '57. (MIRA 11:3)

1. AN GruzSSR, Sektor paleobiologii, Tbilisi. Predstavleno akademikom L.Sh. Davitashvili.
(Terzhola District--Rhinoceros, Fossil)

GABUNIYA, L.K.

Chalicotherium finds from the Eocene of South Georgia. Dokl. AN SSSR 116 no.1:137-140 S-O '57. (MIRA 11:3)

1. Sektor paleobiologii Akademii nauk Gruzinskoy SSR. Predstavleno akademikom N.S. Shatskim.
(Geogria--Ungulata, Fossil)

GABUNIYA, Leo Kalistratovich; DAVITASHVILI, L.Sh., otvetstvennyy red.; SABLINA, T.B., red. izd-va; GUSEVA, A.P., tekhn. red.

[Dinosaur tracks; based on evidence on Mount Sataplia and in the literature] Sledy dinozavrov; po materialam gory Sataplia i dannym literatury. Moskva, Izd-vo Akad. nauk SSSR, 1958. 70 p.
(Georgia--Dinosauria) (MIRA 11:7)

AUTHOR: Gabuniya, L. K. 20-118-6-39/43

TITLE: On the Cranium of a Fossil Horned Pig From the Middle Miocene of the Caucasus
(O cherepe rogatoy iskopayemoy svin'i iz srednego miotsena Kavkaza)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 6, pp. 1187-1190 (USSR)

ABSTRACT: An almost complete cranium of a giant pig which is of special interest on account of an unpaired horny excrescence in the middle of the forehead and because of smaller excrescences above the orbits, was found in the vicinity of the Stanitsa (Cossack village) Belomechetskaya (North Caucasus) in 1957. This is the first time that a fossil horned species of the subspecies suiformes was found. The skull comes from the ossiferous sands of Chokrak and is highly deformed. It belonged to a very old, apparently male specimen, the length of which is approximately 745 mm. The author identified the species with one he already described: Kubanochoerus robustus gab. (reference 1). The then original description was based, however, only on the relics of

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On the Cranium of a Fossil Horned Pig From the Middle Miocene of the Caucasus. 20-118-6-39/43

inferior maxillae. The teeth matched well with the newly found specimen. The characteristic features could be substantially completed and the systematic classification defined more precisely - due to the newly discovered specimen. Besides the afore-mentioned osseous excrescences of the foreheas, Kubanochoerus distinguishes by a marked downward inclination of the cerebral parts. All this indicates a largely isolated position within the family of suidae. A special subfamily Kubanochoerinae subfam. nov. is established and described (figures 1, 2) for these reasons. Besides several archaic peculiarities, characteristic features of a distinctly marked specialization are also observed here. A pronounced long-snout and remarkable width of the laterally expanded plate-shaped facial crests. The functional significance of the "horn" is not clear. In view of such a size of the skull and of such a long snout, it can hardly be considered a defensive weapon. Presumably perigamic cgaracteristics are concerned which possibly occured only with male. The points of relationship are difficult to be determined. The structure of molars approaches Kubanochoerinae to the Tetraconodontinae, a fossil group of pigs of Asia.

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On the Cranium of a Fossil Horned Pig From the Middle Miocene of the Caucasus 20-118-6-39/43

There are 2 figures, and 4 references, 1 of which is Slavic.

ASSOCIATION: Institute for Paleobiology, AS Georgian SSR (Institut paleobiologii Akademii nauk GruzSSR)

PRESENTED: December 21, 1957, by N. S. Shatskiy, Member of the Academy.

SUBMITTED: December 2o, 1957.

Card 3/3

GABUNIYA, L.K.

Some data on a fossil horned pig from the middle Miocene found in the Caucasus. Dokl. AN SSSR 118 no.6:1187-1190 F '58. (MIRA 11:5)

1. Institut paleobiologii AN GruzSSR. Predstavleno akademikom N.S. Shatskim.

(Caucasus, Northern--Swine, Fossil)

GABUNIYA, L.K.

Remains of a mosasaur in upper Cretaceous deposits of the Caucasus. Soob. AN Gruz.SSR 20 no.5:561-564 My '58. (MIRA 11:10)

1. AN GruzSSR, Institut paleobiologii, Tbilisi. Predstavleno akademikom I.V.Kacharava.
(Dzegam region--Pythonomorpha)

GABASHVILI, E.G.; GABUNIYA, L.K.

Dinotherium remains from Udabno (eastern Georgia). Soob.AN Gruz.SSR 21 no.2:151-154 Ag '58. (MIRA 12:6)

1. AN GruzSSR, Sektor paleobiologii, Tbilisi. Predstavleno akademikom L.Sh.Davitashvili.
(Udabno region--Proboscidia, Fossil)

GABUNIYA, Leonid Kallistratovich; DAVITASHVILI, L.Sh., otv.red.; NIKITINA, O.G., red.izd-va; GUSEVA, A.P., tekhn.red.

[History of Hipparions; materials on the Neogene in the U.S.S.R.] K istorii gipparionov; po materialam iz neogena SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1959. 569 p. (MIRA 12:11)

(Horses, Fossil)

GABUNIYA, L.K.

Fossil muntjacs from middle Miocene deposits of the Caucasus. Paleont. zhur. no.1:114-117 '59. (MIRA 13:1)

1. Institut paleobiologii Akademii nauk GruzSSR.
(Belomechetskoye region--Muntjac, Fossil)

GABUNIYA, L.K.

First Listriodon finding in the Miocene of the U.S.S.R.
Soob.AN Gruz.SSR 22 no.1:55-56 Ja '59. (MIRA 12:5)

1. AN GruzSSR, Institut paleobiologii, Tbilisi. Predstavleno akademikom L.Sh.Davitashvili.
(Sachkhere District--Swine, Fossil)

GABRIYELYAN, A.A.; GABUNIYA, L.K.

Discovery of mastodon remains in the variegated series of the Nakhichevan A.S.S.R. Dokl. AN Arm.SSR 28 no.4:187-189 '59.

(MIRA 12:11)

1. Chlen-korrespondent AN ArmSSR (for Gabriyelyan). 2. Institut geologicheskikh nauk AN ArmSSR (for Gabriyelyan). 3. Institut paleobiologii AN GruzSSR (for Gabuniyan).

(Nakhichevan A.S.S.R.--Mastodon)

KOVALEVSKIY, Vladimir Onufriyevich; GABUNIYA, L.K., doktor geol.nauk [translator]; OKROPIRIDZE, O.V. [translator]; TUMANISHVILI, G.D., kand.biolog.nauk [translator]; NATADZE, L.L., kand.biolog.nauk [translator]; DAVITASHVILI, L.Sh., otv.red.; NIKITINA, O.G., red.izd-va; KASHINA, P.S., tekhn.red.

[Collection of scientific works] Sobranie nauchnykh trudov. Moskva, Izd-vo Akad.nauk SSSR. Vol.3. 1960. 350 p. (MIRA 14:2)

(Ungulata, Fossil)

BELYAYEVA, Ye.I.; GABUNIYA, L.K.

Recent data on the Platybelodon of the Caucasus. Trudy Inst. paleobiol. AN Gruz. SSR 5:63-105 '60. (MIRA 13:12)
(Caucasus, Northern--Mastodon)

GABUNIYA, L.K.

The Obaylinskaya fauna as the oldest complex of fossil mammals in the U.S.S.R. Soob. AN Gruz. SSR 27 no.6:711-71[illegible] D '61. (MIRA 15:2)

1. Institut paleobiologii AN Gruzinskoy SSR, Tbilisi. Chlen-korrespondent AN Gruzinskoy SSR.
(Zaysan Lake Region—Mammals, Fossil)

GABUNIYA, L.K.

Mammalian remains from the middle Pliocene of the Northern Caucasus (Kosyakino). Paleont.zhur. no.1:163-165 '61. (MIRA 14:8)

1. Institut paleobiologii AN GruzSSR.
(Kosyakino (Stavropol Territory)—Mammals, Fossil)

GABUNIYA, L.K.; LAZARASHVILI, T.N.

Recent data on the geological age of tufogenic deposits in southern Georgia. Soob.AN Gruz.SSR 28 no.1:53-55 Ja '62. (MIRA 15:4)

1. Akademiya nauk Gruzinskoy SSR, Institut paleobiologii, Tbilisi.
2. Chlen-korrespondent AN Gruzinskoy SSR (for Gabuniya).
(Georgia—Geology, Stratigraphic) (Horses, Fossil)

GABUNIYA, L.K.

"Cenozoic of Bet-Pak-Dala in central Kazakhstan" by K.V.Nikiforova. Reviewed by L.K.Gabuniia. Izv. AN SSSR. Ser.geol. 27 no.1:111-113 Ja '62. (MIRA 15:1)

(Bet-Pak-Dala--Geology)
(Nikiforova, K.V.)

GABUNIYA, L. K.

Boundary between the Quaternary and Neogene. Trudy Kom. chetv. per. 20:157-158 '62. (MIRA 16:1)

(Geology, Stratigraphic)

GABUNIYA, Leo Kalistratovich; DAVITASHVILI, L.Sh., red.

[Fauna of Oligocene vertebrates in Benara] Benarskaia fauna oligotsenovykh pozvonochnykh. Tbilisi, Izd-vo "Metsniereba," 1964. 265 p. (MIRA 18:4)

ORLOV, Yu.A., otv. red.; GABUNIYA, L.K., red.; TROFIMOV, B.A., red.; FLEROV, K.K., red.; YANOVSKAYA, N.M., red.

[Tertiary mammals] Tretichnye mlekopitaiushchie. Moskva, Izd-vo "Nauka," 1964. 57 p. (Its Doklady sovetskikh paleontologov. Problema 8) (MIRA 17:6)

1. International Geological Congress, 22d, 1964.

GABUNIA, L.L., ZHDANOV, G.B., TRETYAKOVA, M.I., ALEKSEYEVA, K.I.,

"High Energy Nuclear Interaction with Isoptopic Distribution of Generated Particles,"

report presented at the Intl. Conference on Cosmic Rays and Earth Storms, Kyoto, Japan, 4-15 Sept 1961.

GAPUNIYA, L.L., ZHDANOV, G.B., ZAMCHALOVA, E.V., SHCHERBAKOVA, M.I., TRETYAKOVA, M.I., and ALEKSEEVEVA, L.L.,

"Study of Composition of Primary Cosmic Radiation at an Altitude of 320 Kilometers,"

report presented at the Intl. Conference on Cosmic Rays and Earth Storms, Kyoto, Japan, 4-15 Sept 1961.

S/048/62/026/005/003/022
B102/B104

AUTHORS: Alekseyeva, K. I., Gabuniya, L. L., Den Pkhen Su, Zhdanov, G. B., and Tret'yakova, M. I.

TITLE: High-energy nuclear interaction events with isotropic angular distribution

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 5, 1962, 572 - 574

TEXT: A 2+3+40p-type nuclear interaction was observed with an НИКФИ-Р (NIKFI-R) photoemulsion (1 liter) which had been exposed for ~150 hrs at an altitude of ~10 km. The angular distributions were determined in plane and spatial geometry. As functions of log tan θ, they were S-curves, somewhat steeper than the calculated isotropic distribution but fitting the curve calculated on the assumption of an energy spectrum of the form $p^2(1+p^2)^{-2}$. Agreement is best if the shower axis is assumed to coincide with the primary-particle direction. The tail of 2-3 particles is attributed to secondary nuclear processes. The isotropy of the angular distribution is indicative of an interaction of the incoming nucleon with

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several nucleons of the hit nucleus. The total amount of released energy was calculated from the mean transverse particle momentum (0.4 Bev/c) and from the ratio of neutral to charged particles (1.5), and was found to be $2 \cdot 10^{12}$ ev in the laboratory system, and not less than 25 Bev in the system of the "excited nucleus". If the latter coincides with the c.m.s. of the colliding nucleons, inelasticity in the l.s. equals K = 25%. There are 3 figures.

S/056/62/043/003/008/063
B125/B102

AUTHORS: Alekseyeva, K. I., Gabuniya, L. L., Den Pkhen Su, Zhdanov, G. B., Tret'yakova, M. I.

TITLE: A rare case of high-energy nuclear interaction with isotropic angular distribution of the secondary particles

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 3(9), 1962, 783 - 789

TEXT: A nuclear interaction of the type 2+3+40 p with an emission angle of the secondary particles $\simeq 0.8^0$ was observed in a small pile of photographic emulsions, type НИКФИ-Р (NIKFI-R). In 1959 this pile had been irradiated for about 150 hrs at a height of ~ 10 km. In a coordinate system with the Lorentz factor $\gamma_c = 65$, the angular distribution of the secondary particles was isotropic (c.m.s.). The coefficient of inelasticity is ~ 20, referred to the coordinate system moving along with the primary particles. This event can be explained as follows: (1) the primary particle, which is a proton of $\sim 10^{12}$ ev, interacts as a whole with a virtual meson of one of the nucleons in the target nucleus. The coefficient

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of inelasticity in the laboratory system is $K_{lab} = 1$. (2) The primary particle, a pion of $\sim 10^{12}$ ev, enters into peripheral interaction with a target nucleon, for which $K_{lab} = 1$. (3) The primary particle, a proton of $\sim 10^{13}$ ev, collides with $K_{lab} \sim 0.2$. In order to separate high-energy nucleon-nucleon interactions in a photographic emulsion, events of low multiplicity and low coefficients of inelasticity are preferably chosen. For this reason, the conclusions drawn from photographic emulsions as to energy dependence of multiplicity and anisotropy in NN-interactions are not reliable. There are 3 figures and 2 tables.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P. N. Lebedev of the Academy of Sciences USSR)

SUBMITTED: March 31, 1962

ALEKSEYEVA, K.I.; GABUNIYA, L.L.; DEN PKHEN SU; ZHDANOV, G.B.; TRET'YAKOVA, M.I.

Case of a high energy nuclear interaction with an isotropic angular distribution. Izv.AN SSSR.Ser.fiz. 26 no.5:572-574 Ap '62. (MIRA 15:5)

(Collisions (Nuclear physics)) (Cosmic rays)

S/560/62/000/012/001/014
I046/I246

AUTHORS: Alekseyeva, M.I., Gabuniya, L.L., Zhdanov, G.B., Zamchalova, Ye.A., Shcherbakova, N.N. and Tret'yakova, K.I.

TITLE: Investigation of the primary cosmic radiation composition at an altitude of 320 km

SOURCE: Akademiya nauk SSSR. Iskusstvennyye sputniki Zemli, no. 12, Moscow, 1962, 6-15

TEXT: The automatic apparatus whose design was reported at the International Conference on Nuclear Photography (1960) is applied to impulse and ionization measurements of middle-weight cosmic nuclei. In multiple scattering measurements, the time required to measure one 10 mm trail is 7 minutes; in ionization measurements, 30 minutes per trail are required. This is at least 5 times as fast as in visual measurements. The resolution of the apparatus in ordinary circumstances is sufficient to separate between the Li, Be, B and C, N, O groups. Instrumental errors, however, reduce the accuracy of measuring trail discontinuities by up to 30-40% as compared with visual measurements for a given

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Investigation of the primary cosmic radiation...

trail length. There are 10 figures and 1 table.

SUBMITTED: August 15, 1961

Card 2/2

ALEKSEYEVA, K.I.; GABUNIYA, L.L.; DEN PKHEN SU; ZHDANOV, G.B.; TRET'YAKOVA, M.I.

Rare case of high-energy nuclear interaction with isotropic angular distribution of the secondary particles. Zhur. eksp. i teor. fiz. 43 no.3:783-789 '62. (MIRA 15:10)

1. Fizicheskiy institut imeni P.N.Lebedeva AN SSSR.
(Nuclear reactions) (Photography, Particle track)

GAMKRELIDZE, L.L.; MANDZHAVIDZE, K.V.; RAZDOL'SKAYA, L.A.; POPOV, S.V.; TITALAGUNOV, N.G.

Geometric program of processing penetrating cosmic ray showers. Izv. AN SSSR Ser. fiz. 28 no.12:2077-2081 D '64 (MIRA 18:2)

1. Institut fiziki AN GruzSSR.

RAZDOL'SKAYA, L.A.; ROYNISHVILI, N.N.; GABUNIYA, L.L.; MANDRITSKAYA, K.V.; TATALASHVILI, N.G.

Program for processing the tracks of penetrating cosmic ray showers with energies of 10^{10} to 10^{12} ev. Fiz. chast. vys. energ. no.1:65-84 '65. (MIRA 18:12)

MARUASHVILI, G.M.; GORDADZE, G.N.; GVINIASHVILI, Sh.P.; POLOVETSKAYA, A.A.; ZENAISHVILI, O.P.; GABUNIYA, L.V.

Experience with eradicating ascariasis in Telavi District [with summary in English]. Med.paraz. i paraz.bol. 27 no.5: 555-561 S-O '58. (MIRA 12:1)

1. Iz Instituta malyarii i meditsinskoy parazitologii imeni S.S. Virsaladze Ministerstva zdravookhraneniya Gruzinskoy SSR (dir. instituta - prof. G.M. Maruashvili) i iz Telavskoy rayonny sanitarno-epidemiologicheskoy stantsii (glavnyy vrach L.A. Sakvarelidze).
(ASCARIASIS, prev. & control,
(Rus))

BAKRADZE, T.L.; GABUNIYA, L.V.; KARDAVA, A.G.; NAROUSHVILI, L.V.

Comparative studies on final quinocide therapy in tertian malaria [with summary in English]. Med.paraz. i paraz.bolezn. 23 no.1:80-84 Ja-F '59. (MIRA 12:3)

1. Iz epidemiologicheskogo otdela Nauchno-issledovatel'skogo instituta malyarii i meditsinskoy parazitologii imeni prof. S.S. Virsaladze Ministerstva zdravookhraneniya Gruzinskoy SSR (Dir. instituta - prof. G.M. Maruashvili, rukovoditel' otdeleniya S.S. Abuladze).

(ANTIMALARIALS, ther. use,
quinocide in tertian malaria, comparison
with other methods (Rus))

GABUNIYA, R.D.; CHKHIKVISHVILI, S.B.; RACHVELISHVILI, B.Kh.; GOGNIASHVILI, Sh.I.

Some indices of the functional state of the cardiac muscle in bronchial asthma. Soob. AN Gruz. SSR 29 no.6:773-778 D '62. (MIRA 18:3)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Submitted July 19, 1961.

GABUNIYA, R.I.

Radiographic data on the heart in thyrotoxicosis. Soob.AN Gruz.SSR 23 no.1:103-108 Jl '59. (MIRA 13:1)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno akademikom K.D.Eristavi.
(HEART--RADIOGRAPHY) (HYPERTHYROIDISM)

GABUNIYA, R. I., CAND MED SCI, "ROENTGENOKYMOGRAPHIC STUDY OF THE HEART OF THYROTOXICOSIS PATIENTS IN DYNAMICS IN CONNECTION WITH RADIOACTIVE IODINE THERAPY." TBILISI, 1960. (TBILISI STATE MED INST). (KL, 2-61, 217).

GABUNIYA, R.I.; AKHMETELI, T.I.; GVANTSELADZE, O.D.

Electrocardiographic changes related to the treatment of thyrotoxicoses with radioactive iodine. Soob. An Gruz. SSR. 25 no. 4:485-488 O '60. (MIRA 14:1)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i khlinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno Akademikom K.D. Eristavi.
(HYPERTHYROIDISM) (IODINE--ISOTOPES)
(ELECTROCARDIOGRAPHY)

BURDZHANADZE, O.I.; GABUNIYA, R.I.

Changes in the thoracic cavity following a lung resection: a radiographic study. Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 10:139-141 '62. (MIRA 16:2)
(LUNGS--SURGERY) (CHEST--RADIOGRAPHY)

GRODZENSKIY, D.E.; GORIZONTOV, P.D.; VOROB'YEV, Ye.I.; MANOYLOV, S.Ye.; FEDOROVA, T.A.; PAVLOVA, M.N.; GABUNIYA, R.I.

Second International Congress on Radiation Research in England, Aug. 5-11, 1962. Med. rad. 8 no.3:83-92 Mr '63. (MIRA 17:9)

NATSVLISHVILI, G.A.; GABUNIYA, R.I.; [illegible], L.A.

Importance of electrokymography in examining patients with cardiovascular diseases. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:15-20 '63. (MIRA 17:8)

GABUNIYA, R.I.

Scientific studies on the determination and measurement of radioactivity in the human body in U.S.A. laboratories. Med. rad. 9 no.6:72-82 Je '64. (MIRA 18:2)

GABUNIYA, S. M.

Gabuniya, S. M.: "The effect of potash fertilizer on the quality of tea", Byulleten' Vsesoyuz. nauch.-issled.' in-ta chaya i subtrop. kul'tur, 1948 No. 4, p. 135-46.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

GABUNIYA, S.M.

Effectiveness of using low temperatures at tea factories for the preservation of tea leaves before processing. Trudy VNIICHP no.1:34-46 '58. (MIRA 12:5)
(Tea--Preservation)

BARABADZE, I.I.; BAKRADZE, G.S.; BERIDZE, G.I.; VAKHVAKHISHVILI, N.I.; GABUNIYA, G.A.; GABUNIYA, Sh.V.; GANGIYA, A.A.; GOGOBERIDZE, Ya.A.; DZIMISTARISHVILI, A.I. [deceased]; ZNAMENSKIY, K.F.; KVANTALIANI, N.A.; NIKOLAYSHVILI, V.S.; TOPADZE, L.I.; KHUNTSARIYA, A.G.; YAKOBASHVILI, N.Z.; DZHOMARDZHIDZE, G.S., red.; ROYNISHVILI, N.I., red.; PRITYKINA, L.A., red.; KISINA, Ye.I., tekhn. red.

[Food industry of the Georgian S.S.R. during the last 40 years] Pishchevaia promyshlennost' Gruzinskoi SSR za 40 let. Moskva, Pishchepromizdat, 1961. 162 p. (MIRA 14:9)
(Georgia--Food industry)

GABUNIYA, T.A.

21000 Maruashvili, G.M. i Gabuniya, T.A. Kostnyy Mozg Pri Ankilostomidoznoy Snemii Byulleten (Nauch-issled. in-t malyarii i med parazitologii im Virsaladze) No. 1, 1948,s.34-55--
Na gruz yaz--Rezyume Na Rus Yaz--Bibliogri 23 Nazv.

SO: LETOPIS ZHURNAL STATEY- Vol. 28, Moskova, 1949

GABUNIYA, T. A., Cand Med Sci — (diss) "Data for the study of the clinical picture and treatment of brucellosis." Tbilisi, 1958. 24 pp (Tbilisi State Med Inst), 200 copies (KL, 17-58, 111)

GABUNIYA, T.M., kontroler-normirovshchik

Washing electric locomotive trucks with hot water. Elek. i tepl. tiaga 4 no. 12:13 D '60. (MIRA 14:1)
(Electric locomotives--Maintenance and repair)

GABUNIYA, T.M. (g.Sukhumi), ZAKARIADZE, V.K. (g.Sukhumi)

Improving the industrial work organization in the electric locomotive shop. Zhel.dor.transp. 42 no.12:64-66 D '60. (MIRA 13:12)
(Electric locomotives--Maintenance and repair)

USSR / General Problems of Pathology. Tumors. Comparative Oncology. Tumors of Man. U

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102661.

Author : Gabuniya, U.
Inst : Tbilisi Medical Institute.
Title : On the Problem of the Micromorphologic Structure of Primary Carcinoma of the Lung and Its Metastases.

Orig Pub: Tr. Tbilissk. med. in-t, 1957, 16, 38-42.

Abstract: On the basis of histologic investigation of 8 autopsy cases of primary carcinoma of the lungs (CL) and its metastases (M), it was established that M may have a somewhat different tissular structure in various organs. In 4 cases, the morphology of the M tissue was identical with that of primary

Card 1/2

GABUNIYA, U.A.

Structural and functional characteristics of primary cancer of the stomach and its metastases. Trudy Inst. eksp. morf. AN Gruz. SSR 8:197-221 '60. (MIRA 14:10)

(STOMACH--CANCER)

GABUNIYA, U.A.

Histochemistry of polysaccharide and glycogen metabolism in mastopathies and fibroadenomas of the human mammary gland. Soob.AN Gruz.SSR 25 no.5:623-629 N '60. (MIRA 14:1)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno akademikom V.K.Zhgenti.
(GLYCOGEN) (POLYSACCHARIDES)
(BREAST—DISEASES)

GABUNIYA, U. A. (Tbilisi)

Data on the histochemistry of glycogen in tumors of the human breast. Arkh. pat. no.6:23-31 '61. (MIRA 14:12)

1. Iz kafedry patologicheskoy anatomii (zav. - akad. AN Gruzinskoy SSR V. K. Zhgenti) Tbilisskogo meditsinskogo instituta.

(BREAST—CANCER) (GLYCOGEN)

ZHGENTI, V.K.; GABUNIYA, U.A.; VADACHKORIYA, G.A.

Occurence and development of mammary cancer in white mice of the A line highly susceptible to cancer. Trudy Inst. eksp. morf. AN Gruz. SSR 10:189-196'62. (MIRA 16:6)
(BREAST—CANCER)

ZHGENTI, V.K.; GABUNIYA, U.A.; VADACHKORIYA, G.A.

Structural changes in the sensory and motor endings of muscles in white mice of the A line highly susceptible to cancer before and after development of mammary cancer. Trudy Inst. eksp. morf. AN Gruz. SSR 10:189-205'62. (MIRA 16:6)
(BREAST—CANCER) (MUSCLES—INNERVATION)

ZHGENTI, V.K., zasluzhennyy deyatel' nauki, prof.; GABUNIYA, U.A., kand. med. nauk

Work of the Scientific Medical Society of Pathoanatomists of the Georgian S.S.R. for 1961. Arkh. pat. 24 no.9:85-86 '62. (MIRA 17:4)

1. Predsedatel' pravleniya Nauchnogo meditsinskogo obshchestva patologoanatomov Gruzinskoy SSR (for Zhgenti). 2. Sekretar' pravleniya Nauchnogo meditsinskogo obshchestva patologoanatomov AN Gruzinskoy SSR (for Gabuniya).

ZHGENTI, V.K.; GABUNIYA, U.A.; VADACHKORIYA, G.A.; GACHECHILADZE, L.B.

[Study of the fine cytoarchitectonics of the cortex of the frontal portion of the cerebrum in phylogenesis] [K izucheniiu tonkoi tsitoarkhitektoniki kory lobnoi oblasti bol'shikh polusharii golovnogo mozga v filogeneze. Tbilisi] 1963. 104 p. [In Georgian] (MIRA 17:4)

GABUNIYA, U.A. (Tbilisi)

Data on the histochemistry of the nucleoproteins in human breast tumors. Arkh. pat. 25 no.8:23-30 '63 (MIRA 17:4)

1. Iz kafedry patologicheskoy anatomii (zav. - akademik AN Gruzinskoy SSR prof. V.K. Zhgenti) Tbilisskogo meditsinskogo instituta i Instituta eksperimental'noy morfologii imeni A.N. Natishvili (direktor - chlen-korrespondent AN Gruzinskoy SSR prof. N.A. Dzhavakhishvili).

GABUNIYA, U.A.

Structural and functional characteristics of primary cancer and its metastases. Trudy Inst. eksp. morf. AN Gruz. SSR 11:207-213 '63.

Histochemical characteristics of ribo- and deoxyribonucleoprotein content and distribution in precancerous proliferations and cancer of the breast. Ibid.:215-222 '63.

(MIRA 17:11)

1. Institut eksperimental'noy morfologii imeni Natishvili AN GruzSSR.

TATISHVILI, I.Ya.; GABUNIYA, U.A.

Primary cancer of the liver in autopsy material. Trudy Inst. eksp. morf. AN Gruz. SSR 11:245-249 '63. (MIRA 17:11)

1. Kafedra patologicheskoy anatomii Tbilisskogo gosudarstvennogo meditsinskogo instituta.

GABUNIYA, U.A. (Tbilisi)

Histochemistry of mucopolysaccharides in breast tumors.
Arkh. pat. no.7:18-23 '64. (MIRA 18:7)

1. Patomorfologicheskoye otdeleniye (zav. - kand. med. nauk U.A.Gabuniya) Instituta eksperimental'noy morfologii imeni A.N.Natishvili (direktor - chlen-korrespondent AN Gruzinskoy SSR - prof. N.A.Dzhavakhishvili) AN Gruzinskoy SSR.

GABUNIA, V.

A criterion of gravity anomaly intrepretation. Trudy Inst. geofiz. AN Gruz. SSR 18:187-188 '60. (MIRA 13:10)
(Gravity)

GABUNIYA, V. P.

VAKHTANG PARNAOZOVICH

GABUNIYA, V. P. "A Study of the Electrical Field in the Earth's Crust as a Case of Mutually Perpendicular Conducting Layers." Tbilisi State U imeni I. V. Stalin. Tbilisi, 1956. (Dissertation for the Degree of Candidate in Physicomathematical Science)

Габуния Вахтанг Парнаозович

So: Knizhnaya Letopis', No. 19, 1956

GABUNIYA, V.P.

Study of the electric field in the earth's crust in case of reciprocally perpendicular conducting layers. Trudy Inst. geofiz.AN Gruz.SSR 17:291-314 '58. (MIRA 13:4)
(Terrestrial electricity)

S/169/62/000/008/015/090
E202/E192

AUTHORS: Balavadze, B.K., Gabuniya, V.P., Shengelaya, G.Sh., Abashidze, V.G., Kartvelishvili, K.M., and Mindeli, P.Sh.

TITLE: Studies of gravitational field of the Bol'shoy Kavkaz GREATER CAUCASUS

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 20, abstract 8 A 134. (Geofizikis institutis shromebi. Sakartvelos SSR Metsniyerebata Akademia, Tr. In-ta geofiz. AN GruzSSR, v.19, 1960, 199-216). (MIRA 14:9)

TEXT: Results of the studies of the Kavkazkaya gravimetricheskaya ekspeditsiya (Caucasian Gravimetric Expedition) of the Institut geofiziki AN Gruz.SSR (Institute of Geophysics of the AS Gruz. SSR) carried out between 1955 and 1958, in the region of the Bol'shoy Kavkaz, are described. The measurements were carried out on Norgard gravimeters. Two simultaneous observations were taken which secured good control. Prior to the field work, the apparatus was studied and particularly careful determination of temperature coefficients, calibration in field conditions and determination of the stability of the rate of division, was made.

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Studies of gravitational field ... S/169/62/000/008/015/090
E202/E192

The survey was based on 41 supporting points which are linked through the initial Tbilisi point with the Potsdam grid. The results of survey (1902 points) were completed by 57 pendulum points and 1393 points collected by industrial organisations. Method of survey in difficult and inaccessible mountainous regions is described. The errors in the determination of the anomalies are described. It is shown that in order to increase the accuracy of the gravity force reduction in mountainous regions, it is of greater importance to determine more accurately the density than the elevation of the point. The $\Delta_2 g$ (Buge) anomalies are strongly deformed by the effect of the topography and hence for all the 3400 points the effect of the topography was taken into consideration within a radius of 200 km. Brunce and Zhongolovich (Żongolowicz) corrections were incorporated in the observations. A brief description of the gravitational field of Caucasus in the "free air" (Faya) reduction $\Delta_1 g$, and local topographic $\Delta_2 g$ (Buge) reduction is given. Simultaneously with the survey, studies of rock densities were carried out which showed that the belt of density changes decreases with the increasing age of the rocks, and

Card 2/3

Studies of gravitational field ... S/169/62/000/008/015/090
E202/E192

the average density values tend asymptotically to a limit.

[Abstractor's note: Complete translation.]

(CAUCASUS - GRAVITY PROSPECTING).

Card 3/3

Variant of Koch's bacillus obtained by the action of trichlorolodopyridine. K. Constantesco, Marg. Paul, A. Gugiuschi, I. Ronnet, and Tr. Caburean, (Inst. recherches Chim., Filiala de Jassy). *Rev. Stiint. Acad. rep. populare Romaine* 1, 33-7(1956)(in French). Sputum samples from a person suffering from pulmonary tuberculosis were kept in contact with aq. solns. of trichlorolodopyridine for varying lengths of time. From [illegible] kept in soln. of I for 1/2 to 1 hr., a [illegible] organism was isolated which grew [illegible] on the ordinary and special culture media. [illegible] colonies were of a creamy consistency and were composed of short acid-resistant cells. This strain was nonpathogenic for lab. animals. Tuberculin prepd. from this strain in the classical manner produced in tuberculous guinea pigs pos. reactions of the same intensity as classical tuberculin.

—Mary L. McFadden

FLOREA, S., ing.; DUMITRACHE, I., ing.; GABURICI, V., ing.

Pneumatic elements used in the technique of analog and digital calculus. Automatica electronica 8 no. 2:73-79 Mr-Ap '64.

FLOREA,S., ing.; DUMITRACHE,I., ing.; GABURICI, V., ing.

Pneumatic numerical calculation elements based on the interaction of air jets. Automatica electronica 8 no.3:121-125 My-Je '64

ALEKSANDROV, A.D.; AKILOV, G.P.; ASHNEVITS, I.Ya.; VALLANDER, S.V.; VLADIMIROV, D.A.; VULIKH, B.Z.; GABURIN, M.K.; KANTOROVICH, L.V.; KOLBINA, L.I.; LOZINSKIY, S.M.; LADYZHENSKAYA, O.A.; LINNIK, Yu.V.; LEBEDEV, N.A.; MIKHLIN, S.G.; MAKAROV, B.M.; NATANSON, I.P.; NIKITIN, A.A.; POLYAKHOV, N.N.; PINSKER, A.G.; SMIRNOV, V.I.; SAFRONOVA, G.P.; SMOLITSKIY, Kh.L.; FADDEYEV, D.K.

Grigorii Mikhailovich Fikhtengol'ts; obituary. Vest. LGU 14 no.19: 158-159 '59. (MIRA 12:9)
(Fikhtengol'ts, Grigorii Mikhailovich, 1888-1959)

GAHUROV, P., inzh.

Conferences on the losses in the State Enterprise "Energosnabdiavane" of Sofia. Elektroenergiia 13 no.7:28-29 Jl '62.

GABUROV, P., inzh.

A symposium on the rational utilization of electric energy. Elektroenergiia 13 no.7:29-30 Jl '62.

GABUROV, Petur, inzh.

The 110kv. step-down substations with a single transformer.
Elektroenergiia 14 no. 12:16-19 D '63.

V

Country : CZECHOSLOVAKIA
Category: Pharmacology. Toxicology. Ganglionic Blocking Agents

Abs Jour: RZhBiol., No 6, 1959, No 27764

Author : Bargar, M.; Hasik, A.; Chadim, P.; Gaburova, M.
Inst : -
Title : The Effect of Calcium on Ganglionic Blocking Induced by Tetraethylammonium Bromide.

Orig Pub: Bratisl. lekar. listy, 1958, 2, No 3, 144-150

Abstract: It was demonstrated in experiments on a superior cervical ganglion with application of preganglionic electrical stimulation that calcium chloride prevents or removes the blocking of ganglia conditioned by tetraethylammonium bromide. - From the authors' resume

Card : 1/1

SOV/137-59-5-9705

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 32 (USSR)

AUTHOR: Gabuyev, G.Kh.

TITLE: The 25th Anniversary of the "Dneprospetsstal'" Plant

PERIODICAL: Tekhn.-ekon. buyl. Sovnarkhoz Zaporozhsk. ekon. adm. r-na, 1958, Nr 2, pp 11 - 13

ABSTRACT: Information is given on the plant's history from its origin till the present. A novelty in technology is the wide use of O_2 in steel smelting, during the melting of the charge, and for decarbonizing the metal. A stripping shop was organized in 1955, and vacuum treatment of metal prior to teeming was brought into use in mass production. Mechanization of labor consuming processes was developed.

T.K.

Card 1/1

GABUYEV, G.Kh.; TERNOVSKIY, A.N.

Thirtieth anniversary of the Zaporozh'ye metallurgical plants.
Stal' 23 no.1:1-5 Ja '63. (MIRA 16:2)
(Zaporozh'ye—Iron and steel plants)

ACCESSION NR: AP4041869 S/0133/64/000/007/0640/0642

AUTHOR: Gabuyev, G. Kh.; Yel'tsov, K. S.; Shul'te, Yu. A.; Mikhaylov, P. A.; Garevskikh, I. A.; Leybenzon, S. A.; Tsivirko, E. I.; Medovar, B. I.; Latash, Yu. V.; Frantsov, V. P.; Pakhomov, A. I.; Kaganovskiy, G. P.; Voinov, S. G.; Shalimov, A. G.; Kalinnikov, Ye. S.; Smolyakov, V. P.; Kosoy, L. F.

TITLE: Improvement of the quality of electroslag-melted ball-bearing steel

SOURCE: Stal', 24 no. 7, 1964, 640-642

TOPIC TAGS: ball bearing steel, electroslag melted steel, high purity steel, steel electroslag melting

ABSTRACT: Several variants of electroslag melting have been tested in an attempt to improve the quality of ball-bearing steel. The analysis of electroslag-melted steel showed that nitrides and carbonitrides constitute the greatest part (up to 75%) of the nonmetallic inclusions present in the steel. These nitrides derive from the initial material. The electroslag process eliminates large nitrides over 20μ in diameter, but does not eliminate the smaller ones.

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ACCESSION NR: AP4041869

Therefore, the nitrogen and titanium contents of the initial metal must be reduced to a minimum. This can be done, for example, by refining the metal in the ladle with synthetic slag. Electroslag melting of open-hearth steel refined with synthetic slag eliminated all the inclusions larger than 10μ and reduced the number of smaller inclusions by more than 50% and the nitrogen and oxygen contents to 0.0053 and 0.0020%, respectively. To produce ultra-high purity ball-bearing steel, the double electroslag melting was applied with a combination of various fluxes. The use of ANF-6-ANF-6 fluxes in double electroslag melting or of AN-29-ANF-6 fluxes produced best results. Ultra-high purity steel, fully satisfying requirements for critical ball bearings, was obtained. Orig. art. has: 2 figures.

ASSOCIATION: Dneprospetsstal' (Dneprospetsstal' plant); Zaporozhskiy mashinostroitel'ny*y institut (Zaporozh Machine-Building Institute); Institut elektrosvarki im Ye. O. Patona (Electric Welding Institute); TsNIIChM

Card 2/3

ACCESSION NR: AP4041869

SUBMITTED: 00

SUB CODE: MM

ATD PRESS: 3068

NO REF SOV: 007

ENCL: 00

OTHER: 000

Card 3/3

L 2364-66 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) MJW/JD/EW/
ACCESSION NR: AP5019947 UR/0133/65/000/008/0752/0753
669.187.26

55
53
B

AUTHORS: Yudovich, S. Z.; Abramov, V. V.; Gabuyev, G. Kh.; Frantsov, V. P.; Smolyakov, V. F.; Sypko, A. V.; Travinin, V. I.; Potapova, V. P.

TITLE: Effects of smelting and working methods on the properties of heat resistant stainless steel DI-1

SOURCE: Stal', no. 8, 1965, 752-753

TOPIC TAGS: stainless steel property, stainless steel smelting, hot rolling, forging/ DI 1 steel alloy, 20Kh15N3MA steel alloy

ABSTRACT: The effects of smelting and hot working methods on the properties of stainless steel DI-1 (20Kh15N3MA) were investigated. The metal was melted in 20-ton arc furnaces, poured into 2850 and 1000 kg ingots, part of which were hot rolled and part forged into 170- to 180-mm diameter rods. Part of the smelt was electroslag remelted and also forged or hot rolled into rods. During forging the ingots were heated to 1160-1180C, reduced to 200 x 200 mm blanks (850-900C), slowly cooled to 100-150C, reheated to 1160-1180C for final forging into rods (final temperature, 850-900C), and annealed at 660C. For hot rolling the blanks were placed at 750-800C in a recovery furnace. It was found that after remelting the oxide and sulfide

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L 2364-66

ACCESSION NR: AP5019947 2

content in DI-1 dropped from ball 4 and 2 (coarse scale) to ball 1.0-1.5 and 0.5 respectively. The α-phase content also decreased as did the O_2 (by a factor of 2-3) and H_2 (factor of 2) contents. The properties of the arc smelted (DI-1) and resmelted (DI-1Sh) steels after heat treatment were σ_B = 102.5 kg/mm^2, δ = 12%, a_K = 6.0 kgm/cm^2 and 107, 16.5, and 6.2 respectively. The type of hot working method (forging or hot rolling) had no appreciable effect on any of the properties, but in both cases plasticity dropped sharply for working temperatures above 1200C (because of increased α-phase formation). Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 000

BVK

Card 2/2

L 42922-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JT

ACC NR: AP6029056 SOURCE CODE: UR/0413/66/000/014/0082/0082

INVENTOR: Averchenko, P. A.; Alekseyenko, M. F.; Babakov, A. A.; Babitskaya, A. N.; Batrakov, V. P.; Bondarenko, A. L.; Gabuyev, G. Kh.; Yel'tsov, K. S.; Kulygin, G. V.; Loin, V. N.; Orekhov, G. N.; Pridantsev, M. V.; Sklyarov, P. I.; Smolyakov, V. F.; Soroko, L. N.; Solov'yev, L. L.; Frantsov, V. P.; Shamil', Yu. P.; Moshkevich, Ye. I.; Natanov, B. S.

ORG: none

TITLE: Stainless steel. Class 40, No. 183947.

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 82

TOPIC TAGS: stainless steel, chromium titanium steel, molybdenum containing steel, nitrogen containing steel, titanium containing steel

ABSTRACT: This Author Certificate introduces a stainless steel containing chromium, molybdenum, and nitrogen. In order to improve weldability, the steel has the following composition: 0.08% C, up to 0.8% Mn, up to 0.8% Si, 15—18% Cr, 0.2—0.6% Mo, 0.04—0.15 N, 0.4—1.2% Ti, up to 0.035 S, and up to 0.030 P. [WW]

SUB CODE: 11/ SUBM DATE: 30Jan65/ATD PRESS: 5016

Card 1/1 UDC: 669.14.018.8: 669.15'26-194