

KLYACHKO, Yu.A.; CHISTYAKOVA, Ye.M.; LABUT'YEV, Yu.D.

Vacuum chromatography for the determination of gases in metals.
Sbor. trud. TSNIICHM no.31:87-88 '63. (MIRA 16:7)
(Gases in metals—Analysis) (Chromatographic analysis)

KLYACHKO, Yu.A.; CHISTYAKOVA, Ye.M.

Determination of gases in chromium. Sbor. trud. TSNIICM no.31:
114-116 '63. (MIRA 16:7)
(Chromium--Analysis) (Gases in metals--Analysis)

KLYACHKO, Yu.A.; IZMANOVA, T.A.; CHISTYAKOVA, Ye.M.

Determination of gases in tungsten. Sborn. trud. TSNIICM no.31:
133-134 '63. (MIRA 16:7)
(Tungsten--Analysis) (Gases in metals--Analysis)

L 14415-63

EWP(q)/EWT(m)/BDS

AFPTC/ASD

ID/HM/JG

ACCESSION NR: AP3004562

8/0032/63, 029/018/0923/0924

AUTHOR: Klyachko, Yu. A.; Ismanova, T. A.; Chistyakova, Ye. M.

63
62

TITLE: Gas determination in sheet molybdenum

SOURCE: ¹⁶ ¹⁶ ²¹ Zavodskaya laboratoriya, v. 29, no. 8, 1963, 923-924

TOPIC TAGS: molybdenum, sheet molybdenum, gas determination, oxygen, hydrogen, nitrogen, carbon monoxide, vacuum-melting method, hydrocarbon

ABSTRACT: Because poorly reproducible results are encountered in gas determination in sheet molybdenum 2-3 mm thick, an analytical method has been developed for determining oxygen, hydrogen, nitrogen, and carbon monoxide in such molybdenum by the vacuum-melting method. About 30% iron (or nickel) is alloyed with the molybdenum sample to lower its melting point to 1650C. To drive off moisture and adsorbed gases, the sample is preheated at 200-250C for 15-20 min in a special quartz extension of the vacuum furnace. Without contact with the air the sample is then immediately analyzed at 1700C by the vacuum-melting method. The preheating at 250C prevents hydrocarbon formation by the reaction of water vapor with molybdenum carbide and thus improves the reproducibility of results. Orig. art. has: 2 tables and 1 figure.

ASSOCIATION: ¹ General Scientific Research Inst. of Ferrous Metallurgy

Card 1/4/

TIMOSHENKO, N.N.; IZMANOVA, T.A.; CHISTYAKOVA, Ye.M.

Automatic determination of gases in steel by means of the exhalograph
EA-1. Zav. lab. 31 no.9:1068-1069 '65. (MIRA 18:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-
lurgii imeni Bardina.

CHISTYAKOVA, Ye.M., Cand Phys-Math Sci -- (diss) "Application of the method of terminal differences to the solution of mixed problems for certain hyperbolic and parabolic equations and systems." Len, 1956, 8 pp (Len State Ped Inst), 100 copies. (KL, 1-58, 114)

- 7 -

PED', D.A.; KOZEL'TSEVA, V.F.; CHISTYAKOVA, Ye.M.

Method of forecasting the mean monthly air temperature anomaly based on the consideration of types of processes observed during the preceding months. Trudy TSIP no.109:41-58 '61. (MIRA 14:5)
(Weather forecasting)

ACCESSION NR: AP4005078

S/0032/63/029/012/1425/1427

AUTHOR: Klyachko, Yu. A.; Izmanova, T. A.; Chistyakova, Ye. M.

TITLE: Determination of the oxygen, hydrogen, and nitrogen contents in tungsten, niobium, and tantalum

SOURCE: Zavodskaya laboratoriya, v. 29, no. 12, 1963, 1425-1427

TOPIC TAGS: tungsten, niobium, tantalum, oxygen determination, vacuum melting, tantalum carbides, tungsten carbides, niobium carbides, nitrogen determination, hydrogen determination, vacuum fusion method

ABSTRACT: Because the conventional vacuum-fusion method with iron fluxing bath for determining oxygen, hydrogen, and nitrogen in metals is not reliable in the case of tungsten, niobium, tantalum, and their carbides, a new procedure, applicable to these metals, was developed. For tungsten, tantalum, and niobium, the iron fluxing bath is replaced by cobalt, nickel, and nickel, respectively. The use of cobalt and nickel as fluxing metals provides higher fluidity of the melts and quantitative evolution of the gases to be determined. The concentration of the analyzed metals in the melts should not exceed 30%. The
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ACCESSION NR: AP4005078

fluxing baths are degassed at 1900C. for 10—15 min, and liberation of the gases is carried out at 1750—1800C. With the nickel fluxing bath, oxygen is determined with a relative error of 2% in niobium and 5% in tantalum. The procedure is also applicable for the determination of the gases in the carbides of these metals. Orig. art. has: 4 tables.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute of Ferrous Metallurgy)

SUBMITTED: 00

DATE ACQ: 19Dec63

ENCL: 00

SUB CODE: CH

NO REF SOV: 002

OTHER: 001

Cord 2/2

CHISTYUKHIN, I.I.

BOL'SHAKOV, A.M., inzhener; CHISTYUKHIN, I.I., inzhener.

Loading logs in open freight cars with a tractor loader. Mekh.trud.rab.
7 no.8:46 Ag '53. (MLRA 6:8)

(Loading and unloading)

S/169/63/000/001/039/062
D263/D:07

AUTHORS: Vol'fson, N.B., Chembarisov, Sh.A. and Chisty, B.I.

TITLE: An attempt at the application of geochemical and geophysical methods to the prospecting for gold-bearing mineralization in Uzbekistan

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 9, abstract 1D49 (Byul. nauchno-tekhn. inform. M-vo geol. i okhrany nedr SSSR, 1962, no. 1 (35), 52-56)

TEXT: Gold-prospecting was carried out on the Western outskirts of the Turkestan Range. On the basis of the results obtained, it is recommended that analogous prospecting should be carried out in three stages: (1) Metallometric and magnetic surveying to a scale of 1:50,000, or more closely in regions offering a better change of containing gold. The aim of these surveys is to plot the contours of intrusions and to isolate from their exo-contact zones the more promising plots by the dispersion aureoles of indicator metals. It was found that in the case of prospecting for gold-bearing deposits

Card 1/2

An attempt at the application ...

S/169/63/000/001/039/062
D263/D307

the following metals may be regarded as indicators: As, Ag, Pb, Zn, Cu, Co, W (in this order). Aureoles of these metals in the north-western part of the region studied overlap with each other, forming complex fields. (2) Assessment of the anomalous plots isolated in this way, by confirmatory traverses, collecting samples to be analyzed for Au and testing concentrates. The aim of this stage is to define the most promising plots on which (3) detailed aurimetric surveys may be carried out, on a scale of 1:10,000, electroprospecting (the $\text{M}\bar{\text{X}}$ (IZh) method, combined and symmetric profiling) and assaying the concentrates. The results of detailed investigations are checked by small-scale mining. A preliminary assessment of the isolated gold ore is given, and the advisability of starting surveying work is determined.

[Abstracter's note: Complete translation]

Card 2/2

CHISTYY, L.

All-Union Volunteer Society for the Assistance of the army, aviation, and
Navy is the mass patriotic organization of workers. Voen.znan. 29 no. 5:
809 My '53.

(MIRA 6:6)

(Military education)

3129 CHISTYY, L.

Patrioticheskoye oboronnoye obschestvo. M., Izd-vo Dosaaf. 1954. 64 S. S ill.
17SM. (Vsesoyuz. ordena krasnogo zhameni Dobrowol'noye o-vo sodeystviya armii,
avhatsii i floty). 30,000 ekz. Bospã. - Avt. ukazan v vyp. dan. - (54-57900)
p 355.58 (062)(47)

CHISTYY, L.

Wider utilization of local radio communication in the work of
the All-Union Volunteer Society for Assistance to the Army, Air
Force, and Navy. Radio no.3:12-13 Mr '54. (MLRA 7:3)
(Radio clubs)

~~CHISTYY, L.L.~~

For persistent improvement of technical propaganda. Za rul.14
no.7:3 0 '56. (MLRA 10:3)

1. Kachal'nik otdela propagandy i agitatsii Tsentral'nogo komiteta
Dobrovol'nogo obshchestva soдействия armii, aviatsii i flotu SSSR.
(Military education) (Automobiles--Study and teaching)

chistyy L.

CHISTYY, L.

Initiative and creative power of masses. Za rul. no.12:2 of cover -1
D '57. (MIRA 11:1)

1. Nachal'nik otdela propagandy Tsentral'nogo Komiteta Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu SSSR.
(Automobile drivers)

CHISTYK, L.

[Dissemination of military knowledge in the lower echelons of the All-Union Voluntary Society for Assistance to the Army, Air Force, and Navy] Propaganda voennykh znani v pervichnoi organizatsii DOSAAF. Moskva, Izd-vl DOSAAF, 1958. 69 p. (MIRA 14:7)
(Military education)

CHISTYY, L.

Winners. Za rul. 18 no.5:1 My '60.

(MIRA 14:3)

1. Nachal'nik otdela propagandy voyennykh znaniy Vsesoyuznogo
dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu.
(Motor vehicles--Societies, etc.)

CHISTYY, L.

Develop social principles in every possible way. Voen.znan.
38 no.8:8-9 Ag '62. (MIRA 15:8)

1. Starshiy inspektor TSentral'nogo komiteta Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu.
(Military education)

CHISTYY, L.

The Spartakiada in a rural region. Voen.znan. 40 no.11:33 N '64.

(MIRA 18:1)

1. Otvetstvenny sekretar' byuro Federatsiy tekhnicheskikh vidov sporta,
TSentral'nyy komitet Vsesoyuznogo dobrovol'nogo obshchestva sdeystviya
armii, aviatsii i flotu SSSR.

CHISU, A.; LAMOTH, P.; CISMAN, A.

Mercury vapor rectifiers as oscillators. p. 91. STUDII SI CERCETARI DE
FIZICA. Bucuresti. Vol. 6, no. 1, Jan/Mar. 1955.

So. East European Accessions List Vol. 5, No. 8 August, 1956

CHISU, A.

Nodular graphitic cast iron in machinery construction in the field of railways. p. 16.
(METALURGIA SI CONSTRUCTIA DE MASINI. Vol 9, no. 3, Mar. 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. VOL. 6, No. 12, Dec. 1957
Uncl.

CHISU, A.; ROPA, B.

"Improvement of utilization indexes of cupola furnaces."

p. 132 (Probleme Feroviare) Vol. 3, no. 4, Apr. 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

IANCU, A., prof.; IACOB, St., dr.; IANCU, A.T., jr., dr.; DIVIN, M., dr.;
CHISU, A., dr.; RACASAN, A., dr.

EEG aspects of the hypoxia syndrome in children. *Pediatrics*
(Bucur) 14 no.1:1-5 Ja-F'65.

1. Lucrare efectuata in Clinica de pediatrie nr. 1, Institutul
medico-farmaceutic, Cluj (Sef de sectie: prof. A. Iancu) si in
Clinica de neurochirurgie, Cluj (Sef de sectie: dr. St. Iacol).

CHISU, Alexandru, conf.ing.; FUFUZAN, V., ing.; POPA, M., ing.; POP, S., ing.

On the increased durability of the bridges and molds in operation.
Metalurgia constr mas 14 no.3:193-199 Mr '62.

1. Institutul politehnic, Cluj (for Chisu). 2. Intreprinderea metalurgica, Aiud (for Fufezan, Popa, and Pop).

IANCU, Axente, prof.; LUSTIG, T.; CHISU, A.; TOMA, L.

The long-sight prognosis of chorea minor. Rumanian M Rev. no.2:50-52
Ap-Je '60.

(CHOREA diagnosis)

chisu A.

PART I BOOK REVIEWS

Chiu, Tsungyuan. Industrial Polymers. 607 p. Krieger, H. Ed. No. of copies printed not given. No contributors mentioned.

PURPOSE: This book is intended for mathematicians, physicists, chemists, and civil and mechanical engineers.

CONTENTS: The book consists of 39 papers by Russian specialists on problems in science and technology, particularly mathematics, physics, chemistry, metallurgy, civil and mechanical engineering. Summaries in many languages of Chinese are given at the end of each article. Some of the articles are accompanied by references. The papers listed are mentioned. At the back of the book there are 32 references, all Russian.

PART II. CONSTITUTION

Arora, G. I. Continuous Steel. Induction Lines for the Mobile Rail. 191

Arora, V. L. Jangam, Chakravarti, and P. Ghose. Aluminum-oxide-oxide Products from Hot and Cold Melting from the Combustion of Pulverized Coal. 211

Chiu, Y. Determinations and Process in an Oilique Fat Phase. 219

Chiu, Y., and G. Hsu. A New Process Method for Calculating Molecular Characteristics of Film-Formed Yarns Produced in the Hummer People's Republic. 231

Chiu, Y., and G. Hsu. Determination of the Critical Speed in a Horizontal Ring. 247

Chiu, Y., and G. Hsu. Cases in which Soil Conditions Must be Account in the Design of Foundations Do Not Correspond to Actual Conditions and in which Computed Settling Differs from Actual Settling. 259

Chiu, Y., and G. Hsu. Comparison of Measured Settling with Computed Settling of the Foundation of a Railroad Bridge. 271

Chiu, Y., and G. Hsu. Determination of Natural Dilation by Means of Lighted Cracks. 285

PART III. RESEARCH

Chiu, Y., and G. Hsu. Operations on Crisp Strain in Concrete. 295

Chiu, Y., and G. Hsu. Design and the Planning of the Machine Process on a Single-Spinule Automatic Turret Lathe. 309

Chiu, Y., and G. Hsu. Behavior of Tensile of Bars and Reinforced Metal Panels Used for High-Speed Milling Bearings with Loads on Many Points of Circumference. 329

Chiu, Y., and G. Hsu. New Type of Heat Furnace. 345

Chiu, Y., and G. Hsu. Investigation and Tests on the Substitution of Tensile Bars of Reinforced Concrete for Steel. 355

Chiu, Y., and G. Hsu. Research and Tests on Reinforcing Bars of Steel. 361

Chiu, Y., and G. Hsu. Research and Tests on Reinforcing Bars of Steel. 361

RUM/9-11-4-6/43

25(5)

AUTHORS: Chişu, Al., Engineer, Albu, T. and Pop, Ştefan, Engineers

TITLE: Some Aspects of the Wear and Limit-Lubrication in Zinal Journal Bearings

PERIODICAL: Metalurgia şi Construcţia de Maşini, 1959, Vol 11, Nr 4, pp 287-290 (ROMANIA)

ABSTRACT: The sliding bushings made from zinal, cast and processed at the factory "1 Mai", Ploesti, Rumania, have been tested in heavy-duty operating conditions, at high specific pressures of 40 to 150 kilograms per sq.centimeter (569 to 2133.5 psi), and low speeds of 315 rpm. The plotting of the temperature and friction coefficient against the time gives picture of wear in various tests, figures 1 to 5. It is noted that after a smooth increase there is a sudden variation to a maximum temperature and friction coefficient, followed by a decrease to a stable value. The maximum temperature observed was 59°C (138.2 F) which indicates no danger of jamming. The authors also tested the journal bearings of zinal under limit-lubrication conditions. They explain the formation of

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RUM/9-11-4-6/43

Some Aspects of the Wear and Limit-Lubrication in Zinal Journal Bearings

the limit layer qualitatively. The experiments were made with a lubricant corresponding to Rumanian standard 413STAS 751-49, of 13° Engler. The authors conclude that under the heavy-duty operating conditions (2130 psi) the bearings tested had remarkable qualities. They affirm that zinal is as good as bronze or other antifriction materials, and it has the advantage of being cheaper. Limitations for zinal (zinc-aluminum alloys) are imposed by acid mediums and temperatures over 120°C (248 F). There are 7 graphs, 1 diagram and 1 table.

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R/008/62/013/006/005/008
A065/A126

AUTHORS: ~~Chisu, A.~~ Maroș, D., Albu, T., Hulpe, G., Mateișanu, D., Daly, A., Szabo, A.

TITLE: Contributions to the investigation of the wear of gears by means of radioactive isotopes

PERIODICAL: Studii și cercetări de mecanică aplicată, v. 13, no. 6, 1962, 1,549 - 1,555

TEXT: A Co⁶⁰ bolt, 3 mm long and 1 mm in diameter, was introduced into the tooth-face of a gear of globular pearlite cast iron, while the gear was then subjected to a long-period test in a universal gear testing machine provided with a closed circuit lubrication and a Geiger-Müller counter. The radioactive particles, retained together with the wear dust by the oil filter, were detected by the Geiger-Müller counter, whereas the impulses were counted in 1/2-hour intervals. The qualitative wear curves, traced on the basis of this method, show the evolution of the wear depending on time and load. Presented are then the calibration process used for the qualitative estimation of the wear, as well as the

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Contributions to the investigation of

R/008/62/013/006/005/008
A065/A126

calculation of the wear of the tested gear. The precision of these measurements is limited by the statistic character of the radioactive disintegration. In the case of the conducted experiments, the statistic error varied between $\pm 2\%$ and $\pm 5\%$. These preliminary experiments compiled in a table present the result of the wear test, depending on time and load. The tests conducted by the Institutul politehnic (Polytechnical Institute) in Cluj, the Laboratorul de radioizotopi, Institutul de fizică atomică (Laboratory of Radioisotopes, Institute of Nuclear Physics) in Cluj, and the Uzinele "1 Mai" ("1 Mai" Plant) in Ploiești, will be continued. There are 4 figures.

ASSOCIATIONS: Institutul politehnic (Polytechnical Institute) in Cluj (Chișu, Maroș, Albu, Hulpe, Mateișanu, and Daly); Institutul de fizică atomică (Institute of Nuclear Physics) in Cluj (Szabo)

SUBMITTED: June 16, 1962

Card 2/2

CHISU, A.; MAROS, D.; ALBU, T.; HULFE, G.; MATIESANU, D.; DALY, A.;
VERES, A.; SZABO, A.

Determining the wear and tear on cogwheels by radioactive
isotopes. Bul stiint polit Gluj no.5:217-223 '62.

1. Institutul de fizica atomica Gluj (for Szabo).

CHISU, Alexandru, conf. ing.; FUFUZAN, V., ing.; POPA, M., ing.;
POP, S., ing.

Contributions to the increase of durability of bridges and
ingot molds during exploitation. Metalurgia constr mas 14
no. 3:193-199 Mr '62.

1. Institutul politehnic, Cluj (for Chisu).
2. Intreprinderea metalurgica, Aiud (for Fufezan, Popa).

CHISU, A.; MAROS, D.; ALBU, T.; HULPE, Gh.; BOGDAN, M.; MATIESAN, Dorina;
DAILY, A.; VERES, A.; SZABO, A.

Contributions to the studies on the wear of spur gear wheels with straight teeth made of nodular graphite cast iron with the aid of radioactive isotopes. Bul stiint polit Cluj 6:213-223 '63.

1. Institute of Atomic Physics, Magurele (for Szabo).

BUSILA, V.T., prof.; VASILESCU, I.; PLACINTA, A.; CHISU, V.

Staphylococcal epiduritis with meningitis and consecutive paraplegia.
Microbiologia (Bucur) 6 no.1:32 Ja-F '61.

1. Clinica de boli contagioase si Serviciul de neurochirurgie, Institutul de medicina, Timisoara).

CHITADZE, V.S.

Causes of the formation and dynamics of snow avalanches in
the Dariali region. Trudy Inst.geofiz.AN Gruz.SSR 17:527-541
'58. (MIRA 13:4)

1. Institut geofiziki AN GruzSSR, Tbilisi.
(Dariali region--Avalanches)

CHITADZE, V.S., Cand Phys -Math Sci -- (diss) "Formation and movement
of snow slides in the Great Caucasus."* Tbilisi, 1959. 24 pp
of the Institute of Applied Geophysics
El'brus expedition ~~of~~[↑] of the Acad Sci USSR. Inst of Geophysics of
the Acad Sci Georgian SSR). 150 copies (KL,37-59, 106)

13

CHITADZE, V.S.

Formation of avalanches and their control. Trudy Tbil.NIGMI
no.9:100-106 '61. (MIRA 15:3)

1. El'brusskaya ekspeditsiya Instituta prikladnoy geofiziki AN SSSR.
(Caucasus--Avalanches)

CHITAKHOVA, M.S.

SHAPIRO, S.Ye., dotsent, ispolnyayushchiy obyazannost' zavednyushchego; RAKHIMOV, Ya.A., chlen-korrespondent Akademii nauk Tadzhikskoy SSR, direktor; CHITAKHOVA, M.S., zasluzhennyy vrach Tadzhikskoy SSR, glavnyy vrach.

Effect of different methods of specific vaccine therapy upon the degree of sensitivity of patients affected by brucellosis to intravenous vaccination. Zhur.mikrobiol.epid.i immun. no.8:43-47 Ag '53. (MLRA 6:11)

1. Klinika infektsionnykh bolezney Stalinabadskogo meditsinskogo instituta na base Stalinabadskoy gorodskoy infektsionnoy bol'nitsy (for Shapiro).
2. Stalinabadskiy meditsinskiy institut na base Stalinabadskoy gorodskoy infektsionnoy bol'nitsy (for Rakhimov).
3. Stalinabadskaya gorodskaya infektsionnaya bol'nitsy (for Chitakhova). (Brucellosis) (Vaccination)

KIR'YANOVA, A.I.; CHITAKHOVA, M.S.

Joint conference of research institutes on the problem of
influenza. Zdrav.Tadsh. 6 no.3:41-42 My-Je '59.

(INFLUENZA RESEARCH)

(MIRA 12:11)

USSR/Cultivated Plants. Medicinal Plants. Essential Oil Plants. M
Poisonous Plants.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77906.

Author : Chitanova, Yu. Ye

Inst : All-Union Scientific-Research Institute of
Synthetic and Natural Perfumes..

Title : The Primorskaya Lily as an Essential Oil Plant.

Orig Pub: Tr. Vses. n.-i. in-t sintetich. i natural'nykh
dushistykh veshchestv, 1957, vyp. 3, 97-103.

Abstract: *Pancreatium maritimum* L. (I), the primorskaya lily -
is a bulb herbaceous plant of the amaryllis family;
met in the wild state in countries which are lo-
cated in the Mediterranean basin from Spain to
Syria, as well as in separate rayons of western

Card : 1/3

USSR/Cultivated Plants. Medicinal Plants. Essential Oil Plants. M
Poisonous Plants.

Abs Jour: Ref Zhur-Diol., No 17, 1958, 77906.

Transcaucasia. Detailed botanical features of the species are cited. Activities conducted at the Sukhun ZOG in 1942-1943 showed the possibility of utilization of the essential oil of I in perfume. The work cited was conducted with the purpose of clarification of the problem of soils useful for growth of I in cultivation. It was shown that I on alluvial soil gives the lowest percentage of flowering plants and the lowest harvest of flowers; with cultivation of I on other soils (ration of soil to sand 1:1 and 1:2) more flowering plants are obtained and the harvest of flowers comes closer to the harvest of flowers with cultivation of I on

Card : 2/3

168

USSR/Cultivation Plants. Medicinal Plants. Essential Oil
Plants. Poisonous Plants.

M

Abs Jour: Ref Zhur-Biol., no 17, 1958 77906.

marine sand; therefore with the introduction of I into cultivation it is necessary to grow it mainly on sandy soils or on mixtures of soil and sand. Simultaneously the influence of the size of the plant material of I on the harvest was studied. Observations conducted showed that, as plant material, it is necessary to take large bulbs with a diameter of 4.2-7.0 cm which blossom earlier and provide the greatest harvest of flowers. -- T. L. Braytseva.

Card : 3/3

GHITASHVILI, S.Sh.

Improvement cuttings in mountain forests. Trudy Inst. lesa AN Gruz.
SSR 8:73-98 '58. (MIRA 12:10)
(Georgia--Forest management

CHITASHVILI, S.Sh.

Photosynthesis in pine stands as related to improvement falling.
Soob.AN Gruz.SSR 25 no.5:595-598 N '60. (MIRA 14:1)

1. Akademiya nauk GruzSSR, Institut lesa, Tbilisi. Predstavleno
akademikom V.Z.Gulisashvili.
(Pine) (Photosynthesis)

CHITASHVILI, S. Sh.

Use of the radiometric method in determining photosynthesis
in forestry. Bot. zhur. 48 no.3:395-402 Mr '63.
(MIRA 16:4)

1. Institut lesnogo khozyaystva AN Gruzinskoy SSR, Tbilisi.

(Photosynthesis) (Georgia--Oak)

CHITASHVILI, S.

Thinning pole-size spruce-fir and beech stands. Trudy Inst. lesa
AN Gruz. SSR 10:145-160 '62. (MIRA 17:3)

CHITASHVILI, S.Sh.

Growth and development of the young pine and oak growths in the mountain forests of Georgia in connection with improvement cutting. Trudy Inst. lesa AN Gruz. SSR 12:61-80 '63.

(MIRA 18:2)

CHKHAIDZE, L., mladshiy nauchnyy sotrudnik; CHITAVA, Z.; ORLOV, Yu., mladshiy
nauchnyy sotrudnik; MANUKOV, R.; ZAKOMORNIY, G., mekhanik

If it's manufactured in the Soviet Union it is of a superb quality.
Radio: no.2:34-35 F '64.
(MIRA 17:3)

1. Gruzinskiy politekhnicheskii institut (for Chkhaidze).
2. Starshiy inzh. Vychislitel'nogo tsentra AN Gruzinskoy SSR (for Chitava).
3. Institut kibernetiki AN Gruzinskoy SSR (for Orlov).
4. Starshiy teknik Vychislitel'nogo tsentra AN Gruzinskoy SSR (for Manukov).
5. Institut elektroniki AN Gruzinskoy SSR (for Zakomornyy).

- 747. Андроникова Анна Александровна
кандидат физико-математических наук
1937 г. с. II разряда. Физика.
Защ. 1950, 5.12.
- 748. Асланов Георгий Владимирович
кандидат физико-математических наук
1949 г. с. II разряда. Физика.
Защ. 1950, 1.7.
- 749. Асрибеков Владимир Александрович
кандидат физико-математических наук
1953 г. с. II разряда. Физика.
Защ. 1954, 16.1.
- 750. Бемзас Виктор Луинович
кандидат физико-математических наук
1951 г. с. II разряда. Физика.
Защ. 1951, 2.7.
- 751. Белкина Илона Ивановна
кандидат физико-математических наук
1954 г. с. II разряда. Физика.
Защ. 1954, 23.12.
- 752. Бензидзе Галина Терентьевна
кандидат физико-математических наук
1947 г. с. II разряда. Физика.
Защ. 1948, 23.1.
- 753. Бичвадзе Александр Александрович
кандидат физико-математических наук
1949 г. с. II разряда. Физика.
Защ. 1949, 1.7.
- 754. Бурлаков Владимир Александрович
кандидат физико-математических наук
1949 г. с. II разряда. Физика.
Защ. 1949, 4.7.
- 755. Иммануил Александрович
кандидат физико-математических наук
1941 г. с. II разряда. Физика.
Защ. 1941, 8.1.
- 744. Бондаренко Александр Александрович
кандидат физико-математических наук
1948 г. с. II разряда. Физика.
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кандидат физико-математических наук
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1948 г. с. II разряда. Физика.
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Dissertation for degree of
Candidate Physical-Mathematical Sciences

Tbilisi State U. of Science and Technology

GHITAYA, G. S.

"L'agriculture dans les regions montagneuses de la Georgie dans le passe et le present."

Report submitted for the 6th Intl. Anthrological and Ethnological Sciences Congress, Paris, 31 Jul- 5 Aug 1960.

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New type of standardized single-circuit 110 kv. overhead power
transmission line tower for mountainous areas. Trudy GPI [Gruz.]
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CHITAYA, G. S.

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NIKOBADZE, I.I.; TATISHVILI, Ir.Ya.; KURCHISHVILI, I.B.;
ZHGENTI, V.K., akademik, red.; ZURABASHVILI, A.D.,
akademik, red.; KAVTARADZE, P.P., akademik, red.;
TSULUKIDZE, A.P., akademik, red.; ERISTAVIK K.D.,
akademik, red.; CHITAYA, G.S., red.; KHUNDADZE, G.R.,
zasl. deyatel' nauki, prof., red.; MESKHIA, Sh.A.,
prof., red.

[Basic stages of the development of medicine in Georgia]
Osnovnye etapy razvitiia meditsiny v Gruzii. Tbilisi,
Izd-vo "Metsniereba," 1964. 286 p. (MIRA 17:12)

1. Akademiya nauk Gruzinskoy SSR (for Zhgenti, Zurabashvili,
Kavtaradze, TSulukidze, Eristavi). 2. Chlen-korrespondent
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Distribution of rare and disseminated elements in ore
deposits of the Kadaya-Pokrovskiy ore region (eastern
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(MIRA 17:3)

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Regularities in the distribution of rare elements in complex ore
deposits of eastern Transbaikalia. Trudy Inst. min., geokhim. i
kristalloghim. red. elem. no. 3:162-179 '59. (MIRA 14:5)
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GUREVICH, Yu.Ya. (Moskva); CHITAYEVA, N.A., kand.geol.-mineral.nauk (Moskva)

Brief notes on books. Priroda 52 no.6:24, 33, 84 '63. (MIRA 16:6)
(Brogie, Louis, De, 1892-)
(Transbaikal region--Ore deposits)
(Electric power)

CHITAYEVA, N.A.

Geology of the Yavlenka ore field. Trudy IGEM no.83:202-237
'63. (MIRA 16:11)

CHITAYEVA, E.A., inzh.; BLIZNYUK, V.A., inzh.

Portable vulcanizer. Gor. zhur no.4:51 Ap '63.

(MIRA 16:4)

1. Gosudarstvennyy institut po proyektirovaniyu oborudovaniya po
dobyche i obogashcheniyu rud, Krivoy Rog.
(Vulcanization—Equipment and supplies)

CHITAYEVA, N.A.

Replacement of sulfide ores by quartz in the Novo-Pokrovskoye deposit. Geol. rud. mestorozh. no.6:88-90 N-D F '60. (MIRA 14:3)

1. Institut mineralogii, geokhimi i kristalokhimi redkikh elementov AN SSSR, Moskva.

(Transbaikalia--Quartz) (Transbaikalia--Sulfides)

CHITAYEVA, N.A.

Tectonic boudinage in the localization of ores in the Yavlenskoye deposit (eastern Transbaikalia). Izv.vys.ucheb.zav.; geol. i razv. 4 no.11:73-81 N '61. (MIRA 15:2)

1. Moskovskiy institut tsvetnykh metallov i zolota imeni M.I.Kalinina. (Transbaikalia—Ore deposits)(Transbaikalia—Geology, Structural)

CHITAYSHVILI, A. A.

6816. Chitayshvili, A. A. *Komnatnaya kul'tura lirona v kadkakh.*
Tbilisi, 1954. 14 s. s. ill. 20 sm. (M-vo sovkhovov Gruz. SSR. Upr.
s.-kh. propagandy). 6.000 ekz. Bespl.-(55-1777) P 634.33

SO: Knizhnaya Letopis' No. 6, 1955

ARUTYUNYAN, A.S.; CHITCHYAN, A.G.

Effect of mineral fertilizers on the frost-resistance of the
grapevine. Izv.AN Arm.SSR,Biol.i sel'khoz.nauki. 4 no.3:283-287
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1. Institut vinodeliya i vinogradarstva Akademii nauk Armyanskoy SSR.
(Grapes) (Fertilizers and manures)

CHITCHIAN, A. I.

CHITCHIAN, A. I. Vasilii Vasil'evich Dokuchaev i nauka o pochve. K stoletiu so
dnia roshdenia (1846-1946). Brevan, AN ArmSSR, 1946, 38 p.
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SO: LC, Soviet Geography, Part I, 1951, Uncl.

USSR/Soil Science - General Problems.

J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67863

Author : Chitchyan, A.I.

Inst : Academy of Science ArmSSR

Title : Soil Science in Armenia for the Last 40 Years.

Orig Pub : Izv. AN ArmSSR, Biol., i s.-kh. n., 1957, 10, No 11, 53-69

Abstract : No abstract.

Card 1/1

- 2 -

GHITCHYAN, A.I.

On an indiscrete review. Izv. AN Arm. SSR, Biol. nauki 14 no.8:
85-88 Ag '61. (MIRA 14:9)

(ARMENIA--CROP ZONES)

ANAN'YAN, A.K., doktor tekhn. nauk, prof.; BEK-MARMARCHEV, B.I.,
kand. geogr. nauk; ZHAMAGORTSYAN, V.N., kand. tekhn. nauk;
CHITCHYAN, A.I., kand. sel'khoz. nauk; YEDIGARYAN, Z.P.,
mlad. nauchnyy sotr.; SATIAN, M.A., kand. geol.-mineral.
nauk; PAYRAZYAN, V.V., mladshiy nauchnyy sotr.; VEBER, V.V.,
prof.; NAZARYAN, A.G., kand. tekhn. nauk; POKHSRARYAN, M.S.,
mladshiy nauchnyy sotr.; TER-ASTVATSATRYAN, M.I., mladshiy
nauchnyy sotr.; VELIKANOV, M.A.; VELIKANOV, M.A., otv. red.;
SHTIBEN, R.A., red. izd-va; KAPLANYAN, M.A., tekhn. red.

[Results of complex research on the Sevan problem] Rezul'taty
kompleksnykh issledovaniy po Sevanskoj probleme. Erevan,
Izd-vo AN Armianskoj SSR. Vol.2. [Channel processes] Ruslovye
protsessy. 1962. 255 p. (MIRA 15:7)

1. Akademiya nauk Armyanskoy SSR, Yerivan. Institut vodnykh
problem. 2. Chlen-korrespondent Akademii nauk SSSR (for
Velikanov).

(Sevan Lake region—Hydrology)

CHITCHYAN, G. A., OSIPOV, O. B.

Fertilizers and Manures

Effect of mineral fertilizers on hay crop in Nagorno-Karabakh. O. B. Osipov, G. A. Chitchyan. Korm., baza, 2, no. 12, 1951

9. Monthly List of Russian Accessions, Library of Congress, May 195~~8~~² Uncl.

1. CHITCEYAN, G.A., OSHICV, O.B.
2. USSR (600)
4. Sudan Grass - Azerbaijan
7. Introduce Sudan grass cultivation into the Azerbaijan S.S.P. Korm.baza 3, no. 11.
1952

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

DOBRE, Nelu (Buzau); CHITEI, Gh.A. (Deva); CAPITAN, Gh. I., prof. (Anina);
GRIGORESCU, D. Nicolae (Hirsova); NISTOR, Gh.V. (Buzau); MIHALASCU,
D., prof. (Pitesti); VELESCU, I. (Pitesti); DUMITRIU, C. (Focsani);
SIMON, Petre (Tirgu Mures); BAERA, B., prof. (Paunesti); GOJOCARU,
Ion (Craiova)

Exercises and problems proposed for grades 5-8. Gaz mat B 16 no.1:
39-42 Ja '65.

STEINHACH, M.; DOBREANU-ENESCU, Viorica; CHITESCU, Elena; MARCUS, N.; IOTA, C. G.

Treatment of arterial hypertension with heparin. Stud. cercet. med.
intern. 2 no.5:671-679 '61.

(HYPERTENSION therapy) (HEPARIN therapy)

IOTA, C.G.; RUNCAN, V.; CHITESCU, Elena; SUTEANU, St.; ERNEST, I.

The neruovegetative syndrome in chronic hepatitis. I. Preliminary investigations. Stud. cercet. med. intern. 2 no.2:203-217 161.
(HEPATITIS, INFECTIOUS complications)
(AUTONOMIC NERVOUS SYSTEM diseases)

RUNCAN, V., dr.; MIRON, C., dr.; VASILIU, I., dr.; CHITESCU, E., dr.;
SUTEANU, St., dr.

Frequency of chronic hepatitis following epidemic hepatitis
and factors in its chronicization. Med. intern. 15 no.4:
473-483 Ap '63.

1. Lucrare efectuata in Institutul de medicina interna al
Acad. R.P.R. si Ministerului Sanatatii si Prevederilor Sociale
(director: acad. N. Gh. Lupu).
(HEPATITIS) (HEPATITIS, EPIDEMIC)

MUNTEANU, Corneliu (Bucuresti); PESTROIU, Daniel (Tirgu Jiu); PIRSAN, Liviu (Bucuresti); VOICULESCU, Dan (Bucuresti); ALBESCU, I. (Buzaras)
PELTEANU, Ioan (Bucuresti); STANCU, I.M. (Bucuresti); GHITESCU, Ion (Bucuresti); STANESCU, Ilie (Sibiu); IONESCU, Traian (Braila); KACSO, F. (Cluj); MANESCU, L. (Rimnicu Vilcea); IONESCU-TIU, C.; FOCSENEANU, M.I.; POPA, Eugen (Iasi); MIHALCA, Dan (Bucuresti); PELIGRAD Nicolae, prof. (Pitesti); BENA, I. Dorin (Goronsabes); STANCU, Ion M. (Bucuresti).

Proposed problems. Gaz. mat B 16 no.2:86-91 F '65.

S/081/62/000/013/050/059
B168/B186

AUTHORS: Atoyán, V. V., Chitinyan, Yu. S.

TITLE: Viniplast as material for 6-10 kv insulators

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 18, 1962, 508, abstract
18P124 (Sb. nauchn. tr. Yerevansk. politekhn. in-t. Yerevan,
1960, 325 - 334)

TEXT: The authors investigated the properties of Viniplast (dielectric losses, corona resistance, atmospheric resistance, resistance to thermal breakdown) as material for 6-10 kv insulators. It was found that Viniplast is not suitable for such insulators owing to its corona instability, its low thermal stability and its susceptibility to thermal breakdown at ambient temperature of 50 - 60°C. [Abstracter's note: Complete translation.]

Card 1/1

1ST AND 2ND DEPT'S PROCESSES AND PROPERTIES INDEX

CHITKOV, A.A. 4

4781
Office of Naval Intelligence
RELAXATION AT HIGH TEMPERATURES; trans. from
Czechoslovakian paper. Alexander A. Chitkov. Oct. 3,
1950. 23p. (ONI-A-466)

The phenomena of creep and relaxation in metal at high
temperatures has been considered. A mathematical corre-
lation is made between the relaxation and creep in the in-
stance of screw connection of metal parts. The extent of
validity of the two hypotheses ("theory of strain-hardening"

and "theory of time-hardening") by Davenport (J. Applied
Mechanics 55A, (1938)) on the process of creep and relax-
ation has been studied. The processes of relaxation have
been considered and relaxation curves set up. Distinction
has been made between relaxation and creep. 17 references.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND DEPT'S PROCESSES AND PROPERTIES INDEX

CHITKOV, A. A.
C-A

The relaxation of metals at high temperatures. Alexander A. Chitkov. *Izvestiya Lisy 3*, 82-8(1950).—If a tension-stressed specimen is subjected to conditions which do not allow a change of the initial deformation, a decrease of stress, called relaxation, occurs. Two theories are postulated for the interrelation between the relaxation and the creep phenomena: there are the time-hardening and the strain-hardening theories. However, test results indicate that neither of them defines correctly the relation between the relaxation and the creep phenomena, because the mechanism of the plastic deformation and also the internal intermechanical process are different for the 2 phenomena. Therefore C. considers it necessary to conduct research work on the relaxation phenomenon independently of work on creep. Results of Soviet research on this subject are given. E. Gros

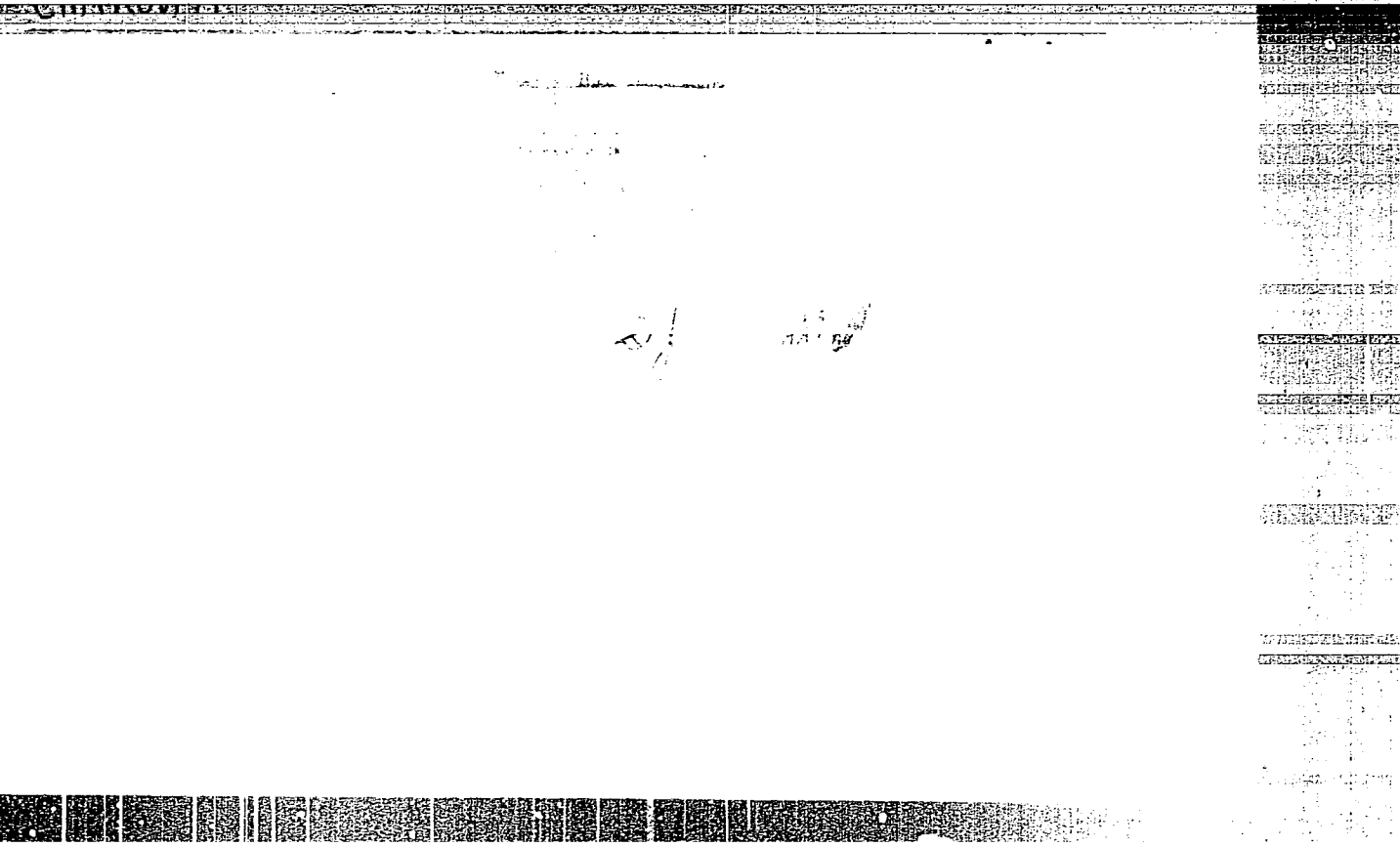
Chit'kov, Alexander

15172* Testing of Metals for Relaxation at High Temperatures. Zkoušení kovů na ~~relaxaci~~ ^{relaxaci} vysokých teplot. (Czech.) Alexander A. Chit'kov. Hutnické listy, v. 10, no. 8, Aug. 1953, p. 45. MG

Two theories are presented for reconciling the relation between creep and relaxation; differences between measured relaxation values and those calculated from creep values; Czech methods of measuring relaxation according to Barr and Bardgett. Tables, diagrams, photograph.

[Handwritten signature]

Relaxation Tests on Metals at HIGH TEMPERATURES. 3/27



СИТКОВ А.
Strojrenstv Vol. 7, No. 11, 1957. p. 849-856

CHITKOV, A.

Heat-resistant bolts for high-pressure installations. p. 353.

STROJIRENSTVI. (Ministerstvo tezkého strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia. Vol. 9, no. 5, May 1959.

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

RUMANIA/Human and Animal Physiology. Lactation

T-10

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65575

Author : Elias B., Popescu M., Chitnic E.

Inst : -

Title : An investigation of the Correlation Between Vitamin B₁ and Certain Characteristics of Lactation.

Orig Pub : Pediatría, 1957, 6, 521-532

Abstract : When negligible amounts of vitamin B₁ were contained in the food during the winter, an increase was seen in the number of women in whose milk the content of peroxidase was either reduced or absent altogether (Williams-Spies test). Injection of B₁ normalized the peroxidase level of the milk in 13 out of 15 women. In some cases there was also an increase in the amount of milk and in its fat content. Growth retardation in the infants associated with lack or absence of peroxidase in the milk was eliminated by the injection of B₁ into the mothers. The determination of milk peroxidase

Card : 1/1 makes possible the timely elimination of hypovitaminosis

B₁.

RUMANIA / Chemical Technology, Chemical Products and Their Application. Pharmaceuticals. Vitamins. Antibiotics. H-17

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16512

Author : Opari, A.; Chitoiu, G.

Inst : Not given

Title : Physico-Chemical Reactions Occurring in the Preparation of Certain Liquid Medications

Orig Pub : Farmacia (Roman), 1957, 5, No 4, 344-350

Abstract : Presented herein are formulations of three liquid medications, for the purpose of demonstrating the occurrence of undesirable reactions that may take place in the event that chemical and physico-chemical properties of the components are not properly accounted for. Such reactions may be completely eliminated by strictly following the order of steps recommended in the methods of preparation of such mixtures. -- E. Natkhan

Card 1/1

CHITORELIDZE, G.V.

Effect of ionizing radiation on myogen A. Soob. AN Gruz. SSR 26
no.5:539-546 My '61. (MIRA 14:8)

1. Institut fiziologii AN GruzSSR, Tbilisi. Predstavleno akademikom
P.A. Kometiani.

(Myogen) (Aldolase) (X rays--Physiological effect)

ACCESSION NR: AP4023079

S/0251/64/033/002/0339/0345

AUTHOR: Chitorelidze, G. V.

TITLE: Effect of various conditions of irradiation on the hormone activity of the adrenal cortex

SOURCE: AN GruzSSR. Soobshcheniya, v. 33, no. 2, 1961, 339-345

TOPIC TAGS: radiobiology, irradiation, effect of irradiation, adrenal gland, cortex of adrenal gland, ascorbic acid, cholesterol, hormone, internal secretion

ABSTRACT: A study was made of the effect of irradiation with 50-300 roentgen units on the activity of the adrenal cortex in white rats of 160-200 gms body weight. Determinations of ascorbic acid and cholesterol in the cortex were performed immediately following exposure to irradiation. The fluctuations of these components was taken as an index of hormone activity of the cortex. It was found that irradiation of the whole body and with the head shielded had a stress-like, stimulating effect on the secretory performance of the adrenal cortex. Irradiation of the hypophyseal and suprarenal regions as such had no noticeable

Effect on the hormone activity of the adrenal cortex.

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sub-48-man 63

CHITORELIDZE, G.V.

Effect of fasting, adrenocorticotrophic hormone, and hypophysectomy
on the secretory function of the adrenal cortex of irradiated rats.
Soob. AN Gruz. SSR 35 no.3:565-570 S '64.

(MIRA 17:11)

CHITORELIDZE, G. V. "Influence of X-Rays on the Enzyme Properties of Myosin and Aldolase in Skeletal Muscle." The mechanism of glycolytic inhibition during radiation is the depression of myogen A aldolase activity.

candidate dissertation listed in Meditsinskaya radiologiya, no. 7, 1964. The article did not state specifically what degree was awarded. The annotated titles deal with studies on radiation physiology, radiation biochemistry, combined trauma and the influence of radiation on regenerative processes, radiation microbiology and immunology, and radiation pharmacology.

CHITROW, F.M. [Khitrov, F.M.]

Treatment of defects occurring after surgical correction of the palate. Czas. stomat. 18 no.8/9:903-909 Ag-S '65.

1. Z Centralnego Instytutu Naukowo-Badawczego Stomatologii (Dyrektor: prof. A.I. Rybakow [A.I. Rybakov]).

CHITU, G.

Relations between the steel-shaping process and the corrosion of the soles of basic Martin furnaces.

P. 17 (METALURGIA SI CONSTRUCTIA DE MASINI) (Bucuresti, Rumania) Vol. 10, no. 1, Jan 1958

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

CHITU, Gheorghe, ing.

Increased productivity of Siemens-Martin furnaces at the Metallurgic
Combinat of Resita. Metalurgia constr mas 14 no.2:129-134 F '62

CHITU, Gheorghe, ing.

Increased productivity of Siemens-Martin furnaces at the Metallurgic
Combinat of Resita. Metalurgia constr mas 14 no. 2:129-134 F '62.

1. Combinatul metalurgic, Resita.

GHITU, Gheorghe Gh.

Construction of pneumatic machines for adjusting the hearth
of Siemens-Martin furnaces. Metalurgia Constr mas 14 no.6:
504-514 Ja '62.

1. Combinatul metalurgic, Brasov.

CHITU, I.

1. Bucharest, Scientia et Technica, Vol XIV, No 4, apr 1962
2. From the Battle of the Union of Working Youth Under the Leadership of the Party, 1922-1962, pp 3-5.
3. "One of the Thousands of Youngsters" I. V.; pp 5.
4. "A member of the Union of Working Youth" pp 6.
5. "The Joy of the First Flight" pp 6.
6. "The Joy of the First Flight" pp 6.
7. "The Joy of the First Flight" pp 6.
8. "The Joy of the First Flight" pp 6.
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10. "The Joy of the First Flight" pp 6.
11. "The Joy of the First Flight" pp 6.
12. "The Joy of the First Flight" pp 6.
13. "The Joy of the First Flight" pp 6.
14. "The Joy of the First Flight" pp 6.
15. "The Joy of the First Flight" pp 6.
16. "The Joy of the First Flight" pp 6.

14

GHITU, I.; TAUTH, T.

Among Iasi physicists. St si Teh Buc 15 no.5:8-9 My '63

CHITU, Maria (Bucuresti); PANAITTE, Ludmila (Bucuresti)

The Yakut A.S.S.R. Natura Geografie 12 no. 6:68-74 N-D'60.

CEAUS, Mircea; CHITU, Mircea

Exchanges of experience. Constr Buc 16 no. 770:3 10 0'64

1. The Baia Mare Branch of Voluntary Correspondents of
"Constructorul" (for Ceaus).