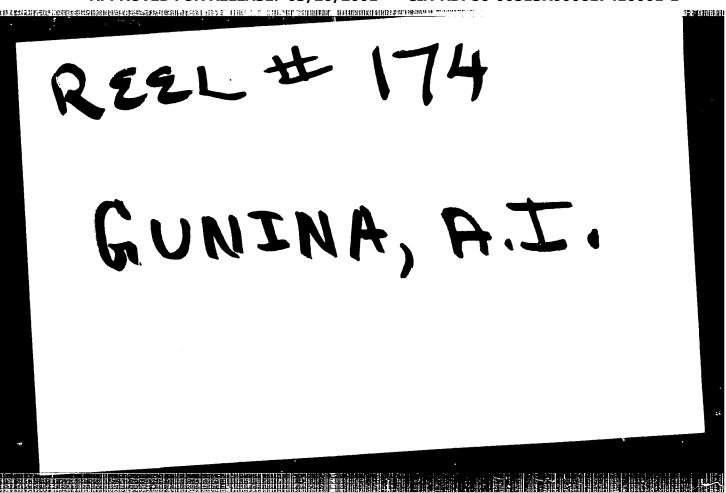
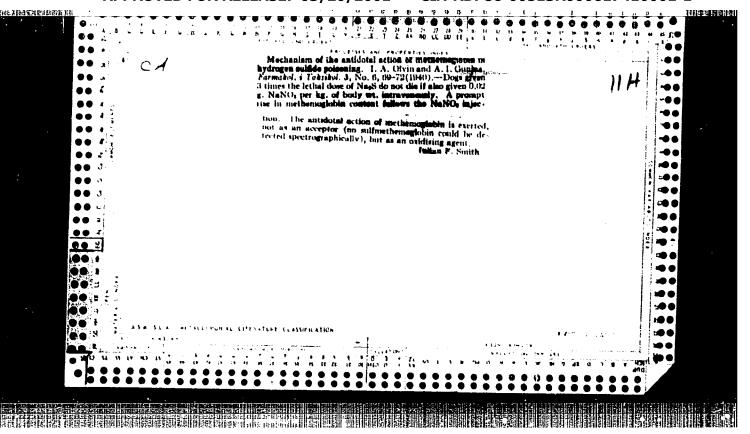
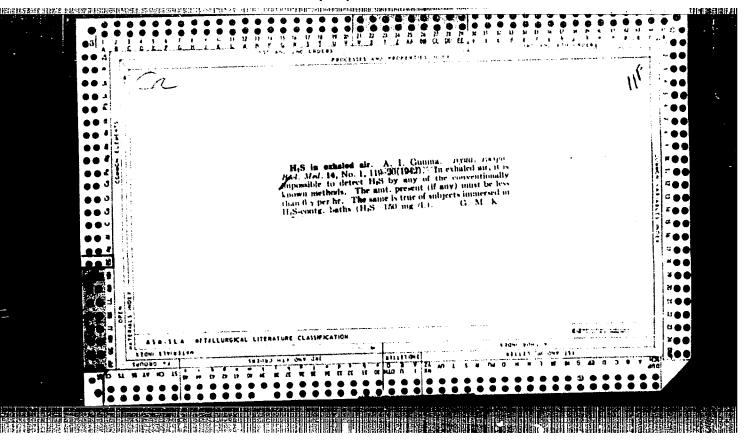


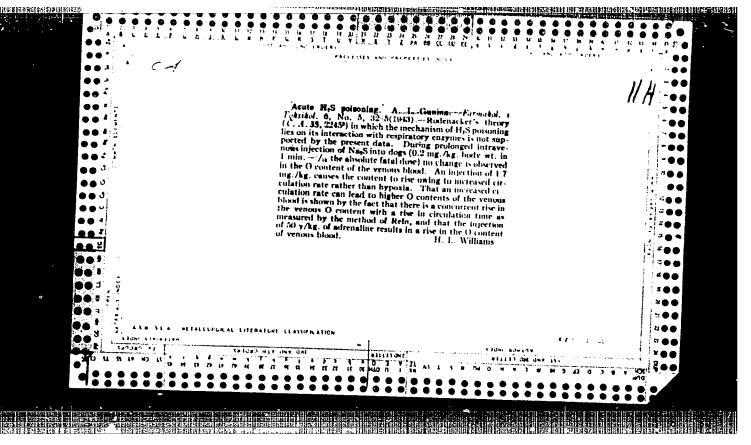
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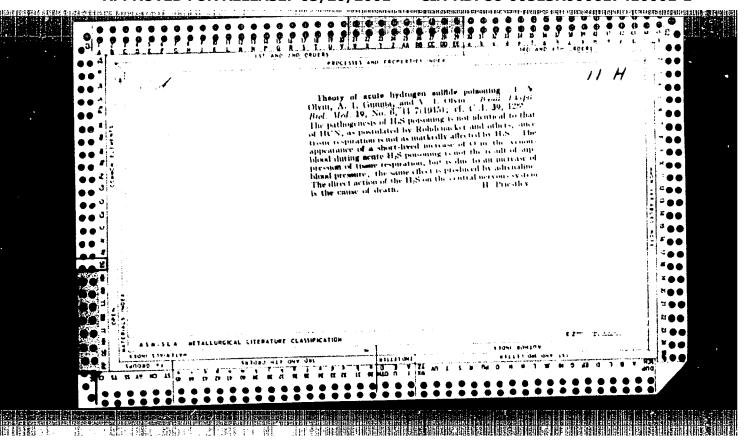
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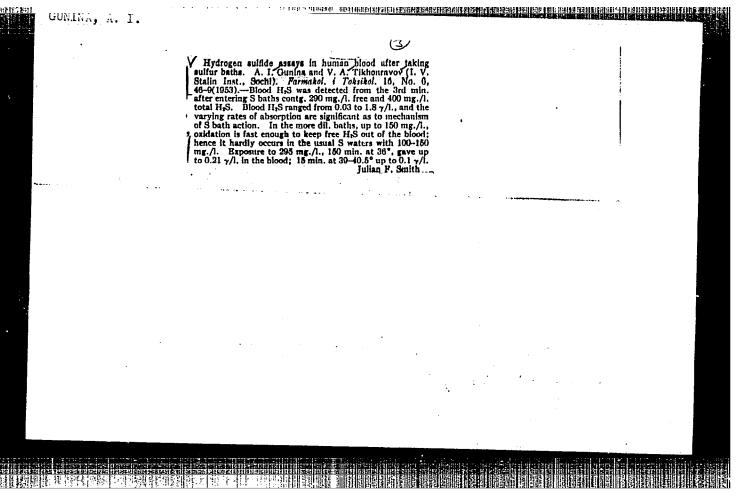












OYVIN, I.A.; GUNINA, A.I.; TIKHONRAVOV, V.A.

Mechanism of the physiological action of hydrogen sulfide (Matsesta) water. Vop.kur.fizioter. i lech.fiz.kul't. no.2:13-20 Ap-Je '55; (MLRA 8:8)

1. Iz biokhimicheskoy laboratorii Bal'neologicheskogo instituta imeni Stalina i eksperimental'noy laboratorii Tsentral'-nogo sanatoriia imeni Voroshilova (Sochi)

(MINKRAL WATERS, effects,
hydrogen sulfide water, mechanism of physiol, action)

Barrelly, File ANDRIASYAN, G. K.; GUNINA, A. I.; MALKIN, I. I. Man And Control of the Control of the Party Therapeutic use of highly concentrated Matsesta water in skin diseases. Vest. ven. i derm. no.5:33-36 8-0 '55" (MIRA 9:1) 1. Iz Gosudarstvennogo nauchno-issledovatel'skogo bal'neologicheskogo instituta imeni I. V. Stalina Ministerstva zdravookhraneniya SSSR (dir. N. P. Vladimirov) i sanatoriya Moskva (glavnyy vrach A. A. Syrtsova) (SKD, diseases. balneother., Matsesta waters in high concentration) (BALNEOLOGY, in various diseases skin dis., Matsesta water in high concentration) ٤

CIA-RDP86-00513R000617410001-1" **APPROVED FOR RELEASE: 03/20/2001**

GUNINA, A.I.

Conversion of hydrogen sulfide H₂S³⁵ in the organism following subcutaneous administration [with summary in English] Biul. eksp. biol. i med. 43 no.2:48-51 P 157 (MIRA 10:5)

1. Iz biokhimicheskoy laboratorii (zaveduyushchiy-starshiy nauchnyy sotrudnik A.I. Gunina, nauchnyy rukovoditel'-professor I.A. Oyvin) Sochinskogo instituta revmatizma (direktor-dotsent N.P. Vladimirov). Predstavlena deystvitel'nym chlenom AMN SSSR S.V. Anichkovym.

(SULFIDES, metabolism, hydrogen sulfide, conversion in rats after subcutaneous admin.) (Rus)

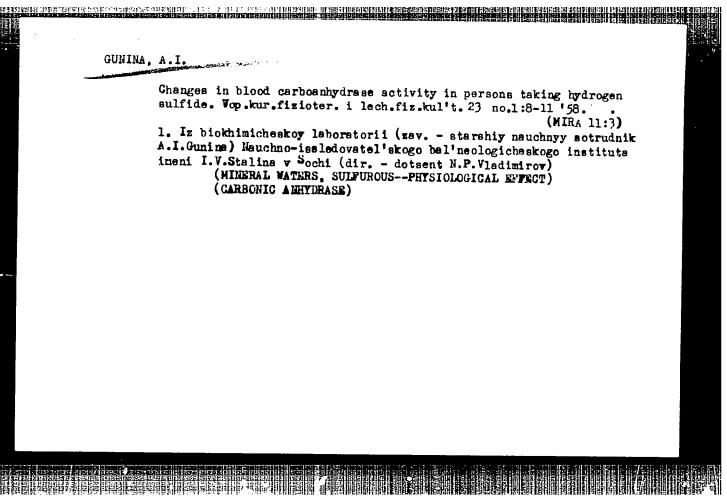
GUNINH, A.I.

"Transformation Within an Organism of Hydrogen Sulfide (H₂S³⁵) Introduced Into the Blood," by A. I. Gunina, Sochi Institute of Rheumatism imeni I. V. Stalin, <u>Doklady Akademii Nauk SSSR</u>, Vol 112, No 5, 1957, pp 902-904

Hydrogen sulfide is formed in the digestive tract from several sulfur-containing amino acids and rapidly absorbed into the blood stream. A number of investigators have shown that the organism is freed of hydrogen sulfide by the following methods: release from the lungs in unchanged form, and oxidation in the blood with subsequent excretion of the transformed products in the urine.

For a more detailed explanation of the above problems, the author set up experiments using Na_2S35 . In studying the distribution of S35 in the organs one hour after the administration of Na_2S35 , it was found that the greatest specific activity was in the kidneys and secondarily in the lungs. (U)

54M.1374



GUNINA, A.I.

Study of the transformation of S 35-hydrogen sulfide in the body during hydrogen sulfide baths. Vop. kur., fizioter. i lech. fiz. kul't. 24 no. 4:328-332 Jl-Ag '59. (MIRA 13:8)

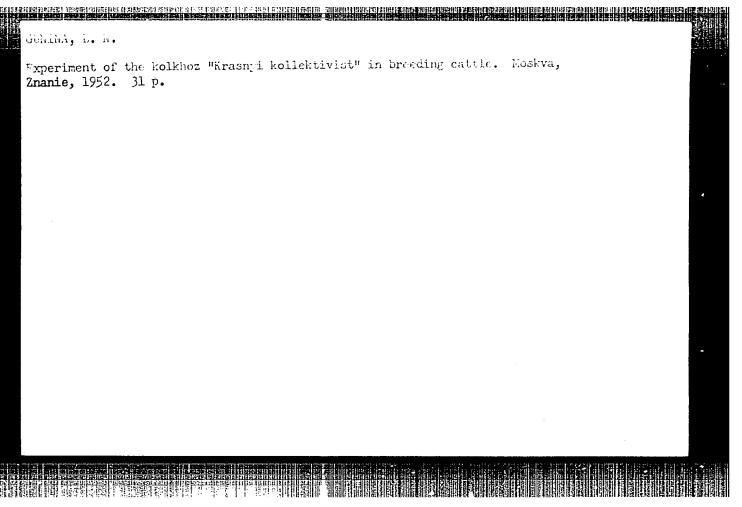
1. Iz biokhimicheskoy laboratorii (zav. A.I. Gunina, nauchnyy rukovoditel' - prof. I.A. Oyvin) Sochinskogo instituta revmatizma im. I.V. Stalina (dir. - dotsent N.P. Vladimirov).

(HYDROGEN SULFIDE--PHYSIOLOGICAL EFFECT)

BORISOVA, T.P.; GUNIHA, A.I. (Sochi)

Effect of hydrogen suifide inhelations on the conditioned reflex activity and carbohydrase of the blood in children with rhoumatte fever. Vop. kur. fictoter. i lech. fiz. kul't. 28 no.3:255-259

MX-Je '63. (MIRA 17:5)



GUNINA, V.

Time permits. Sov. shakht. 12 no.6:39 Je '63. (MIRA 16:9)

1. Zaveduyushchaya neshtatnym otdelom Prokop'yevskogo gorodskogo komiteta professional'nogo soyuza rabochikh ugol'noy promyshlennosti.

(Coal miners) (Prokop'yevsk region-Trade unions)

GUMINSKI, I.

GUMIESKI, I. Improving the construction of the spinning bobbins. p. 39.

Vol. 5, No. 5, 1956. LEKA PROMISHLEMOST. TECHNOLOGY Sofia, Bulgaria

So: Rast A propenn Accession, Vol. 6, No. 3, March 1957

GUGUSHVILI, P.V.; GUNIYA, A., red.; SARKISYAN, I.N., red.izd-va;
TODUA, A.R., tekhred.

[Sericulture in Georgia and Transcaucasia in the 19th and 20th
centuries] Shelkovodstvo v Gruzii i Zakavkaz'e v XII-XI vv.
Tbiliai, Izd-vo Akad.nauk Gruzinskoi SSR, 1960. 105 p.
(MIRA 13:11)

(Georgia--Sericulture) (Transcaucasia--Sericulture)

KHASIA, B.A. [Khasia, Bekirbi Archilovich]; GUNIYA, A.L., red.; MACHABELI, M.G., red.izd-va; DZHAPARIDZE, N.A., tekhn.red.

[Expanded production on tea-growing state farms in Georgia]
Rasshirennoe vosproizvodetvo v chainykh sovkhozakh Gruzinskoi
SSR. Tbiliai, Izd-vo Akad,nauk Gruzinskoi SSR, 1959. 165 p.

(Georgia—Tea)

GUNIYA, A.L.; GAMKRELIDZE, S.P., red.; KHASINA, B.A., red.;

SARKISYAN, L.N., red. izd-va; KUNDRATENKO, N.V., red.
izd-va; DZHAPARIDZE, N.A., tekhn. red.

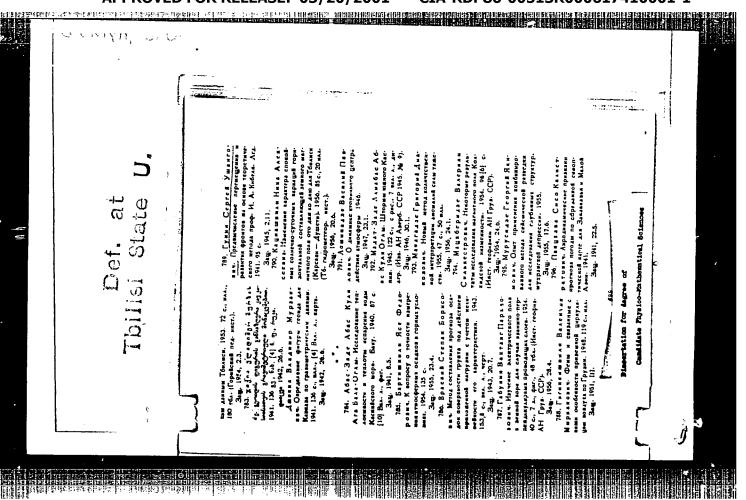
[Replacement of the labor force in the industry of the Georgian S.S.R.] Vosproizvodstvo rabochei sily v promyshlennosti Gruzinskoi SSR. Ttilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1961. 522 p. (MIRA 15:4) (Georgia-Labor supply)

GUNIYA, P.T.

A CONTRACT MENTS AND AND A STATE OF THE CONTRACT OF THE CONTRA

Work at Georgian hatcheries in raising chickens for meat production. Ptitsevodstvo 9 no.6:22-23 Je 159. (MIRA 12:10)

1. Direktor Tbilisskoy inkubatorno-ptitsevodcheskoy stantsii. (Georgia--Poultry)

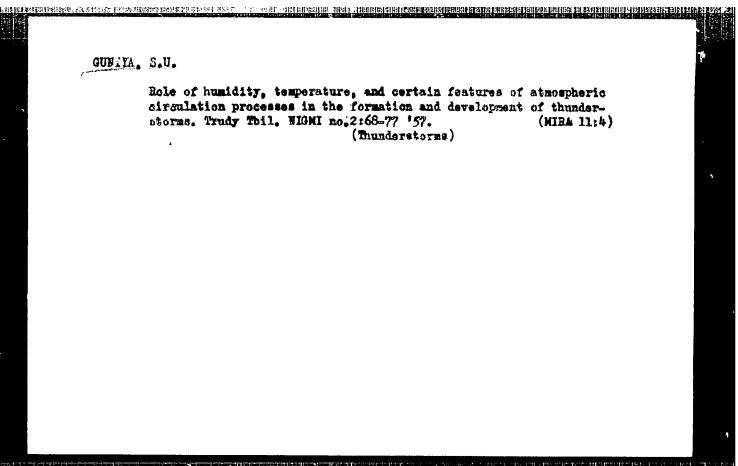


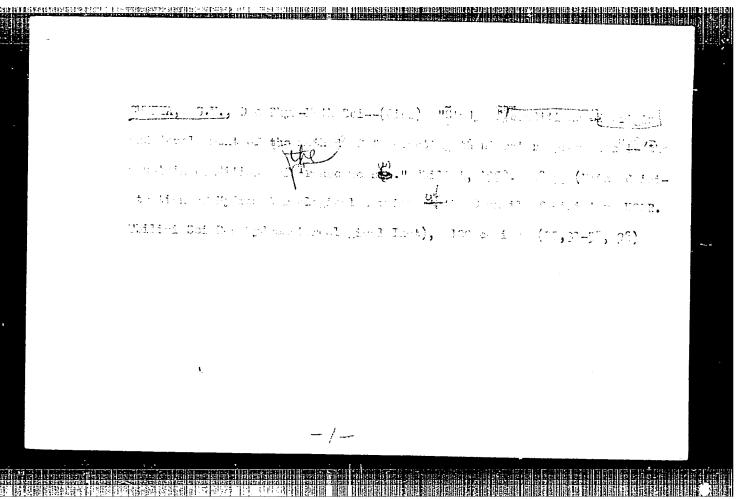
GUNIYA, S. U.

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Prelyychislenie Tempatury V Svobdnoy Atmosfere, Trudy (Gruz. Politekhn. In-T Im. Kir Ova) No. 18, 1949, S. 3-8- Rezyume Na Gruz. Yaz.

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在数位的设备的企业。1922年的主义是是不是是特别的企业,是是是一个企业的企业的企业的企业的企业,但是是是一个企业的企业的企业的企业,但是是一个企业的企业的企业的企业的企业的企业。

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AUTHOR:

Khmaladze, G. N.

50-1-25/26

TITLE:

The Scientific Session of Tollisi Scientific Research Institute for Hydrometeorology. (Nauchnays

sessiya Tbilisskogo NIGMI)

PERIODICAL:

Meteorologiya i Gidrologiya, 1958, Nr 1, pp. 66-67 (USSR)

ABSTRACT:

In May 1957 this institute held its fourth scientific session, where 16 lectures devoted to various branches of the hydrometeorological science were held. Under the conditions of Transcaucasia the problem of the forecast of thunderstorms is of great practical importance, therefore special attention was paid to the lecture by Guniya, S. U. on the method of forecasting thunderstorms under the mountainous conditions of Transcaucasia and the lecture by Shishkin, N. S. (Main Geophysical Observatory) on the topic of the forecast of thunderstorm-processes according to the method of layers. Papinashvili, K. I., Napetvaridze, Ye. A. and Lominadze, V. P. dealt with the problems of the investigation and subdivision of the airand turbulence-currents above Transcaucasia. Vorontsov, P. A. reported on some peculiarities of the temperature- and wind-conditions above the lake Sevan.

Card 1/2

The Scientific Session of Tbilisi Scientific Research Institute for Hydrometeorology.

50-1-25/26

Kvaratskheliya, I. F., Tsutskiridze, A. Ya. and Kurdiani, I. G. (State University Tbilissi) reported on the results of their works in the field of the aeroclimatic characteristic of the free atmosphere, on the analytical method of the treatment of observations with pilot balloons and distribution of clouds in Georgia. Chirakadze, G. I. and Cigineyshvili, V. M. explained the scheme of the radiation method of plotting the slipperiness of ice in Transcaucasia and the characteristic of slush and its distribution in Transcaucasia. Khmaladze, G. N., Tsomaya, V. Sh. and Poklepa, V. F. reported on the duration of the vernal-aestival floods in the rivers of Transcaucasia and on the method of their calculation as well as on the method of the determination of the water supplies in the snow according to given records of snow routes. Tsertsvadze, Sh. I. held a lecture on the method of forecasting the main phenophases of grapes in Georgia, Svanidze, V. F. - on the characteristic of the agrometeorological conditions of the cultivation of potatoes, various conditions of the cultivation of potatoes, various terms for planting in the low grounds of valleys of East Georgia. Library of Congress

Card 2/2
AVAILABLE:

1. Weather forecasting 2. Meteorology

3(7)
. AUTHOR:

Guniya, S. U.

30V/50-58-10-1/20

TITLE:

The Passing Over of Mountain Ranges by Air Currents

(Perevolivaniye vozdushnykh potokov cherez gornyye Ehrebty)

PERIODICAL:

Meteorologiya i gidrologiya, 1958, Nr 10, pp 3-8 (USSR)

ABSTRACT: -

The atmospheric processes arising above the area of Transcaucasia are a result of superposition of mainly two kinds of disturbances: 1) One process is formed as a consequence of the thermally irregular basement area (podstilayushchaya poverkhnost') owing to atmospheric processes; 2) the other one is due to unevenness of the earth's surface. The theory of flowing around hindrances by air currents (Refs 3-7) and further investigations (Refs 1,8,9) indicate the extraordinarily important role played by mountain ranges in the formation of local disturbances and in the appearance of vertical components of the wind velocity. This facilitates the formation and development of clouds, thunderstorm processes and causes precipitations. The question whether masses of air are able to pass the Transcaucasian mountain ranges if the masses possess a higher vertical extension than the hindrance itself, is most important to the attendant phenomena of the latter weather processes. According to various computations the author determined the current function $\widetilde{\psi}(\mathtt{x},\mathtt{y})$. The equations for the determination of $\widetilde{\Psi}$ in the middle level

Card 1/2

The Passing Over of Mountain Ranges by Air Currents

50V/50-58-10-1/20

of the troposphere were solved for 40 places in the Caucasus region under consideration of the influence exerted by mountain ranges. For the calculations a high-speed computer of the Institut tochnoy mekhaniki i vychislitel'noy tekhniki AN SSSR (Institute of Fine Mechanics and Calculation Techniques of the AS USSR) was used, On the basis of the calculated values of the function $\widetilde{\psi}$ for the cases u = 0 and v = 1 (the axis X lies along the mountain range, the axis Y lies vertically) as well as for the cases u = 1 and v = 0 the lines of the current distribution on the middle level of the troposphere over the mountain regions of the Caucasus were drawn (Figs 1,2). As may be seen from them the irregularities of the earth's surface form a disturbance field of the main current which is extended upwards up to 4 - 5 km. An important factor is here the passing over of the ranges by these disturbed currents according to conclusions drawn by former authors (Refs 3-6). These conclusions are confirmed by the occurrence of storm centers over the slopes of the Greater and Lesser Caucasus (Ref 2) and by considerable precipitations in this area. 1. A. Kibel' gave valuable advice and indications. S. L. Belousov assisted in the computations on the highspeed computer. - There are 2 figures and 9 Soviet references.

Card 2/2

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Tbilisi. Nauchno-issledovatel'skiy gidrometcorologicheskiy Institut

• Trudy, Vyp. 4 (Transactions of the Tbilis! Hydro Meteorological Scientific Research Institute, No. 4) Leningrad, Gidrometeoizdat, 1959. 178 p. 1,500 copies printed.

Additional Sponsoring Agency: USSR. Soviet Ministrov. Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

Ed. (Title page): V. P. Lominadze; Ed. (Inside book): V. D. Pisarevskaya; Tech. Ed.: N. V. Volkov.

PURPOSE: This book is intended for meteorologists and hydrologists.

COVERAGE: This is a collection of 12 articles on jet streams and turbulent currents, the analysis of the effect of orography on changes in atmospheric pressure, the characteristics of the temperature regime in the free atmosphere, the development of methods of forecasting storms, low cloud ceilings, fogs, water discharges, spring floods and various other hydrometeorological phenomena in the Transcaucasia area. Of particular interest are articles on visibility conditions around Transcaucasian airports the aerosynoptic

Card 1/4

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lard 3/4	

GUNIYA, S.U. Air currents over obstagles. Trudy Tbil.NIGMI no.5:11-15 159. (MIRA 13:6) (Caucasus -- Winds)

S/169/61/000/010/026/053 D228/D304

AUTHOR:

Guniya, S. U.

TITLE:

Thunderstorm processes on the territory of Transcaucasia

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 10, 1961, 31-32, abstract 10B212 (Shromebi. Staliniris sakhelmtsipo pedagogiuri instituti, Tr. Stalinirsk. gos. ped. in-t, 7, 1959, 13-29)

TEXT: The diversity of the Transcaucasian climate is chiefly caused by the mountainous topography, geographic latitude, and the proximity of the Black and Caspian Seas. The Suramskiy and Arsianskiy Ranges, which stretch perpendicularly to the direction of moist air flow from the west, have an especially great significance. These ranges divide Georgia into two separate climatic regions—western and eastern. The moisture—rich airmasses encroaching from the west bring abundant precipitation (from 1500 to 2500 mm per annum) to Western Georgia, principally on the coast

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Thunderstorm processes...

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of the Black Sea. Reaching the Suramskiy and Arsianskiy Ranges, the airmass remains in their front part; in consequence, precipitation falls on the slopes of the ranges. The crossing of the airmass over the range is often accompanied by the front's erosion, the gradual decrease of cloudiness, and the cessation of precipitation. Thus, airmasses arrive in the eastern part of Transcaucasia in a much less moist state. The formation in the cold front of wave disturbances, which, during their development over Transcaucasia's territory, favor the strengthening of the vertical components of the wind velocity, the enrichment of airmasses by moisture, and the fall of precipitation, often takes place to the south of Transcaucasia. The author cites factual data about thunderstorms on Transcaucasia's territory. The frequency of frontal thunderstorms for Georgia is 10% higher in comparison with intramass thunderstorms: for Armenia and Azerbaydzhan, on the contrary, the frequency of Frontal thunderstorms is 14 and 5% lower respectively. The frequency of intramass thunderstorms in coastal districts of Western Georgia and the Kolkhidskaya Lowlands only reaches 20 - 25%, but in Western Georgia's mountainous

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Thunderstorm processes...

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areas, this type of thunderstorm activity increases to 60%. The small amount of intramass thunderstorms in coastal districts and in the Kolkhidskaya Lowlands is explained by local processes, which are strongly developed, especially in summertime. The breezelike phenomena observed over coastal districts of Western Georgia and the Kolkhidskaya Lowlands do not favor the genesis and development of intramass thunderstorm processes. In Western Georgia, thunderstorms are observed in the winter months; the maximum value of the mean-monthly number of days with thunderstorms reaches 1.6 (Otradnoye, January). According to the measure of removal from the Black Sea, the number of days with thunderstorms in the winter months gradually decreases. In Eastern Georgia, Armenia, and Azerbaydzhan, hardly any thunderstorms occur in the winter months. The sharp increase in the average number of days with thunderstorms is observed from April throughout the territory of Transcaucasia. In June, it attains its maximum value and then gradually decreases over most of the territory of Armenia and Azerbaydzhan, reaching a minimum value in November for the territory of Azerbaydzhan and in December for Armenia.

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Thunderstorm processes ...

Over Georgia's territory, a certain decrease in the number of days with thunderstorms is noted in July in comparison with the previous month, together with an increase in August; this indicates the presence of two maxima for the number of days with thunderstorms in Georgia. For Transcaucasia, the least number of days with thunderstorms is observed over the territory of Azerbaydzhan, particularly above the Kurinskaya Lowlands which is due to the presence of dry steppes with an arid climate. The Tiflis-Akstafa-Baku districts are characterized by an exceptionally small number of days with thunderstorms; this is observed especially in the Yevlakh-Baku areas. The author notes the connection between the local relief and the yearly number of days with thunderstorms. In Georgia, a comparatively small number of days with thunderstorms (chiefly from 25 to 35) is recorded above the Kolkhidskaya Lowlands and the Vnutrenne-Kartalinskaya, Nizhne-Kartalinskaya, and Kakhotinskaya Plains. A considerable increase in the number of days with thunderstorms (from 30 to 60 - 70) is observed in Georgia's mountainous districts and over almost the whole of Armenia's territory. It follows from the data of pilct-

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s/169/61/000/010/026/053 D228/D304

Thunderstorm processes...

balloon observations over the Krestovyy Pass during May - August, 1949 -1953, that in the mountainous regions the air-streams have a southerly and south-westerly direction in the evening hours before a thunderstorm. The influence of the topography on the disturbance of air-streams and on the appearance of vertical components of the wind velocity is more abruptly displayed in mountainous country than is the case over the comparatively flat localities of Tiflis and Yerevan. This conclusion is confirmed by the presence of foci of intramass thunderstorms above mountainous areas. The author distinguished the local foci of thunderstorm activity for Transcaucasia's territory. Knowing the time of thunderstorms in the focal areas and the routes of the movement, it is rossible to warn certain national-economy organizations about the danger of land buildings being struck by lightning. All cases of nearby thunderstorms observed from May to August of 1949 - 1953 -- from the moment of formation to their dying out--were studied to expose the routes followed by thunderstorms over Transcaucasia's territory. As research has shown, the travel lines of thunderstorm processes are directed along Transcaucasia's

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Thunderstorm processes...

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mountain-ranges. This is caused by the presence over the ranges of vertical components of the wind velocity-engendered by irregularities in the ground surface, which strengthen the process of thermodynamic convectionand by the increase in the atmospheric humidity in a direction towards the ranges. As is shown by examination of the maps, the displacement of the frequency maximum for thunderstorms in the coastal zone of the Black and Caspian Seas, and also along the Kolkhidskaya Lowlands, from 13 - 19 hr. to 19 - 01 hr. Abstracter's note: Could be error for 21 hr. may be explained by the influence of the basins of the Black Sea and Caspian Sea on the formation of thunderstorm processes. Over the sea, in connection with the establishment of a nocturnal temperature-gradient which favors rapid vertical convection, the thunderstorm maximum is observed at night. Abstracter's note: Complete translation.

Card 6/6

PHASE I BOOK EXPLOITATION

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Guniya, S. U.

Grozovyye protsessy v usloviyakh Zakavkaz'ya (Thunderstorm Processes in Transcaucasia) Leningrad, Gidrometeoizdat, 1960. 155 p. 800 copies printed.

Sponsoring Agencies: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR; Tbilisskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.

Resp. Ed.: V. P. Lominadze; Ed.: T. V. Ushakova; Tech. Eds.: N. V. Volkov, and M. I. Braynina.

PURPOSE: The book is intended for meteorologists. It will also be of interest to engineers and technicians employed in the electric power industry, aviation, and other activities concerned with thunderstorm phenomena.

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Thunderstorm Processes in Transcaucasia

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COVERAGE: The book deals with thunderstorm processes and their territorial distribution. Special attention is paid to those problems which are of practical importance to the aviation and electric power industry in Transcaucasia. The book is divided into three parts. The first part contains investigation of the climatic characteristics of thunderstorms over Transcaucasia. The second part attempts to formulate theoretical foundations to explain the influence of the Caucasus mountains on the formation of thunderstorm processes. The third part presents the characteristics of the basic factors in thunderstorm formation and analyzes methods for forecasting thunderstorms under the local conditions of Transcaucasia. treated in this book were presented by the author at a scientific meeting of the Tsentral'nyy institut prognosov (Central Institute of Weather Forecasting) in the beginning of 1960. The book was considered to be the first substantial contribution to the research on thunderstorm processes under local conditions in Transcaucasia. The results of further investigations will appear in the works of the Tbilisskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (Tbilisi Hydrometeorological Scientific Research Institute). A supplement lists the names and elevations of 210 meteorological stations in the Gruzinskaya, Armyanskaya, and Azerbaydzhanskaya SSR'. The author thanks I.A. Kibel' and N. V. Lebedevaya. There are 52 references: 47 Soviet and 5 English.

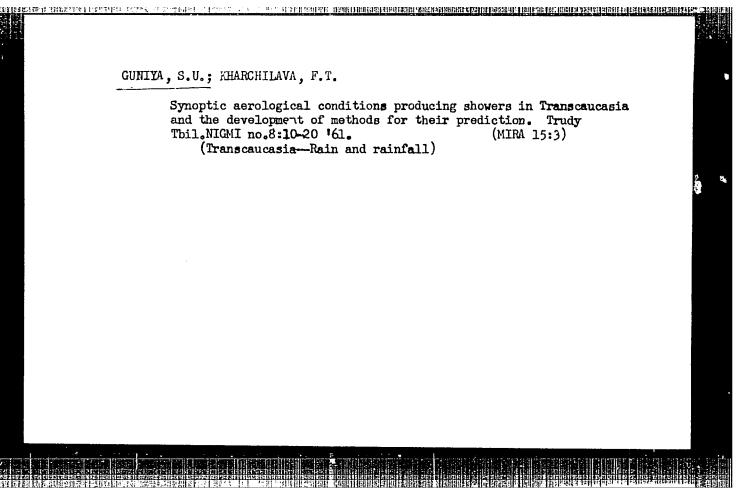
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7. Problem of precalculation of temperature in the free atmosphere 8. Precalculation of temperature in the free atmosphere over Toilisi 9. Construction of a prognostic emagram of the current day and its use in considering the formation of convection 10. Some remarks on the compilation of the forecast of intra-mass thunderstorms under the mountainous conditions of Transcaucasia 11. Compilation of the forecast of intra-mass thunderstorms under the mountainous conditions of Transcaucasia	117 119 123 126 127 129
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\$\169\62\000\012\049\095 D228/D307

AUTHOR:

Guniya, S.U.

TITLE:

Vertical rate of air movement over Caucasian dis-

tricts

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 12, 1962, 40, abstract 123278 (Tr. Tbilissk. n.-i. gidrometeorol.

in-ta, no. 10, 1962, 117-120)

Values, calculated for 90 points above the Caucasus, are cited for vertical currents at an average tropospheric level, originating under the influence of mountain ranges when the main flow directions with respect to mountain slopes are different. If the main flow from the Transcaucasian Depression is perpendicular to the southern slopes of the Greater Caucasus and the northern slopes of the Lesser Caucasus, vertical currents reach a maximum (30-48 cm/sec) along the ranges. Above the valleys of the North Caucasus and Transcaucasia, however, they do not exceed 8-10 cm/sec. In constructing prognostic emagrams, allowance for the calculated

Card 1/2

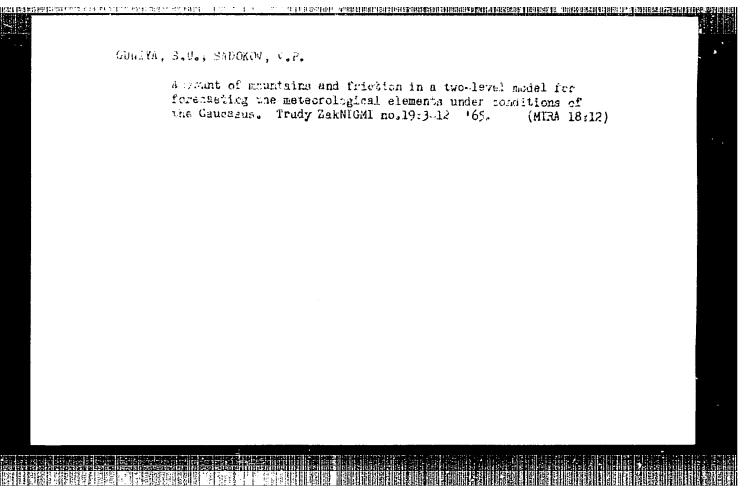
Vertical rate of cir movement ...

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values of vertical currents gives a more realistic picture of convection development than is the case with prognostic emagrams, constructed with no allowance for vertical currents.

Abstracter's note: Complete translation

Card 2/2



ENT(1)/FGC GN/JXT(CZ) ACC NR: AT6013750 SOURCE CODE: UR/3061/65/000/019/0003/0012 AUTHOR: Guniya, S. U.; Sadokov, V. P. ORG: none TITLE: Evaluation of mountains and friction on a two-level model for the forecasting of mateorological elements in the Caucasus SOURCE: Tiflis. Zakavkazskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy, no. 19(25), 1965. Voprosy gidrometeorologii (Problems in hydrometeorology), 3-12 TOPIC TAGS: atmospheric model, Coriolis force, weather forecasting ABSTRACT: Pressure, temperature, and vertical movements were investigated on the basis of vortex velocity and heat flow. Equations for vortex velocity, heat flow, and statics are derived in an isobaric coordinate system x, y, ξ , and t, assuming conditions in the atmosphere to be quasigeostrophic, quasistatic, and adiabatic. Equations 1, $\frac{dl}{dt} = \beta$, R, T, c², g, ϵ , γ_a , and p were solved at $\xi=1$, $\frac{1}{2}$ and 0 and p=0, 500 mb, and 1000 mb, where ϕ is the geopotential, τ is the vertical velocity, P is the standard pressure, l is the Coriolis parameter, R is the gas constant, T is the air temperature, $c^2=\alpha RT$ for $\alpha\approx 0.1$, g is the force of gravity, γ_a is the UDC: 551.54 : 518.5 Card 1/2

L 38138-66

ACC NR: AT6013750

vertical temperature gradient, p is the air pressure at the mountain surface, and \(\xi = 1 - p/P \), and assuming that the T, \(\phi \) and \(\omega = t/P \) can be expressed as second order polynomials in \(\xi \). The equations are evaluated at times m and \(m + 1 \). The problem was programmed for the BESM-2 computer. The authors express their gratitude to \(\xi \). A. Kibel', Corresponding member, AN SSSR, for consultations in the present work. Orig. art. has: 53 formulas.

SUB CODE: 08,04/ SUBM DATE: none/ ORIG REF: 003

HUNGARY

KUBANYI, Dr. Endre, and GUOTH, Janos Dr. Department of Surgery No 2 of the Pest Megye Council's Semmelweiss Hospital (Pest megyei Tanacs Semmelweiss Korhaz II. sz. sebeszeti osztalya) (Chie! Physician: Dr Endre KUBANYI), and *Candidate of the College of Veterinary Medicine (Allatorvosi Egyetem), Budapest.

"Causes of Relapse After Frazier Operation on Trifacial Neuralgia"

Budapest, Magyar Sebeszet, Vol 19, No 3, Jun 1966; pp 145-149.

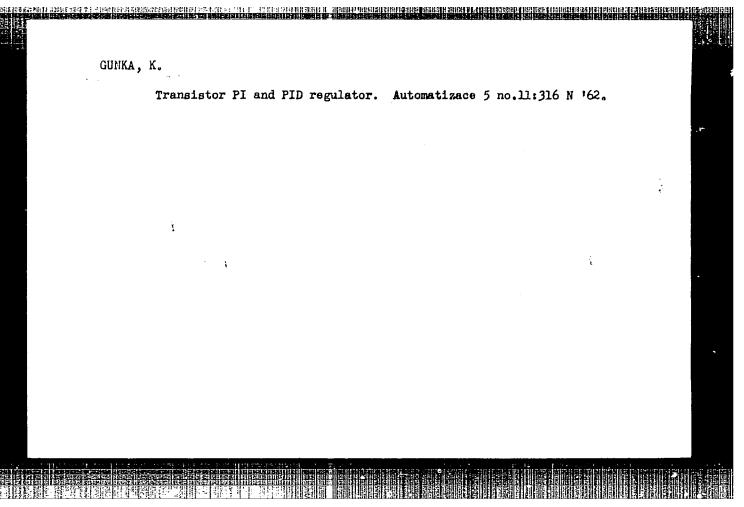
Abstract: On the basis of histological examination of data from animal experiments it is presumed that the Gasser ganglion has the histological function described by Ferner in 1939. From the clinical point of view it may be imagined that if the preganglionic root of the Gassor ganglion were to be completely sectioned, there may remain intact ganglionic cells situated centrally from the place of sectioning. If the cause of pain is localized in these cells, then it is possible for intact axial filaments to grow out of these cells. In these cases pain conduction may persist despite the Frazier operation. Authors found relapses in 8% of the cases. (14 References, mainly Western.)

1/1

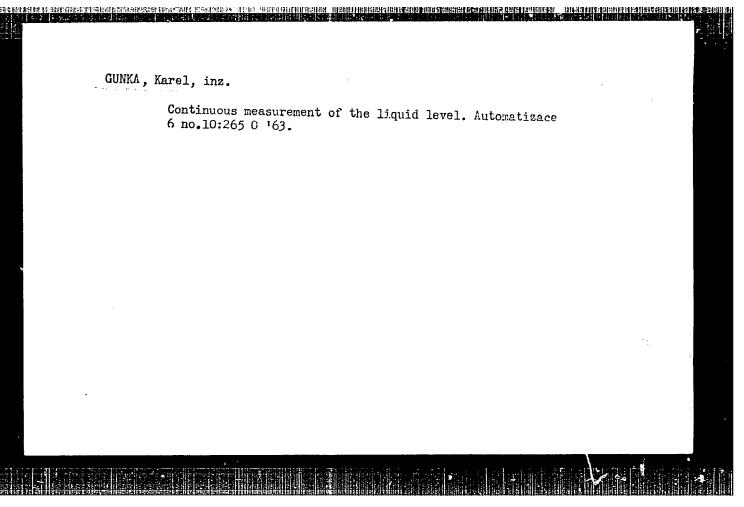
GUNIYA, T. K.

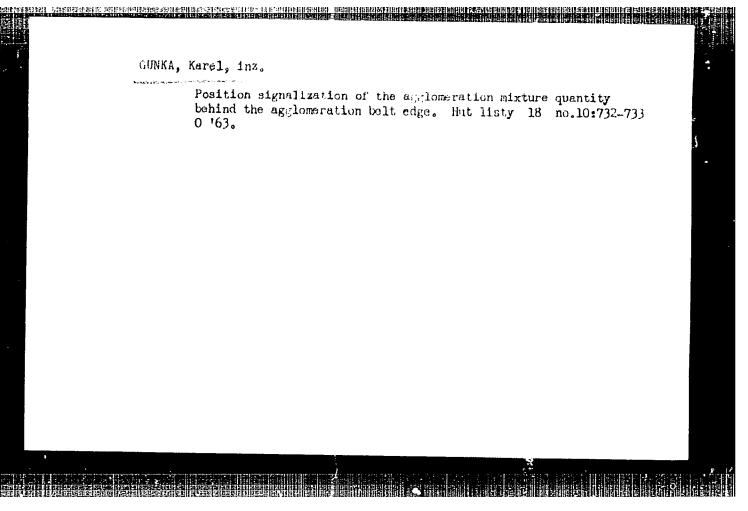
BRIDE

Cand Agr Sci - (diss) "Effect of magnesium fertilizers on the harvest potential of tobacco under conditions of podzol and peat soils of Abkhazia." Tbilisi, 1961. 20 pp; (Ministry of Agriculture Georgian SSR, Georgian Order of Labor Red Banner Agricultural Inst); 180 copies; price not given; (KL, 5-61 sup, 197)



GUNKA	GUNKA, Karel, inz.				
	Use of the extremum regulator for push furnace combustion control. Automatizace 6 no.1:22 Ja '63.				
	•				





L 59603-65 ACCESSION NR: AP5020426 CZ/0034/64/000/008/0572/0573

AUTHOR: Gunka, Karel (Engineer)

TITLE: Conductivity level indicators in an agglomeration production

SOURCE: Hutnicke listy, no. 8, 1964, 572-573

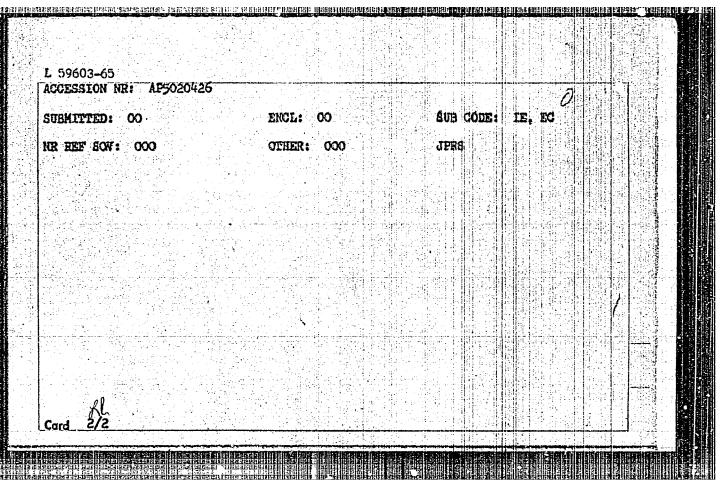
TOPIC TAGS: foundry equipment, isotope, liquid level instrument, industrial instrument, transistorized amplifier

ABSTRACT: The author discuses other methods of level indication used generally in storage hoppers, such as dip sticks, and isotopes. He recommends to use electrially conducting bars lowered to various levels through the top cover of the hopper. The resistance between the hopper wall and the bar will be lower, when damp material reaches the bottom of the bar. Such resistance is amplified by a translator amplifier. The level indicators designed by the author have operated successfully for the last 6 months. Orig. art. has: 5 figures.

ASSOCIATION: Odbor automatizace a mechanizace v Trineckych relevaruach VRSR (Department of Automation and Mechanization of the Trinec Ironworks, VRSR)

Card 1/2

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ORG: Tr	inec Iron Works VRSR	Trinecke Zelezarny VRSR)		
12.		/9 method for the determinati	ion of water in sintering	
mixtures		2	•	
SOURCE:	Hutnicke listy, v. 23	., no. 5, 1966, 303-305		
TOPIC TAC	GS: sintering, metal]	lurgy		
tested in of water 6 and 9% This acc	n the laboratory and i in the sintering mixt . The results were wi uracy is satisfactory	gement based on the principal on the plant of the Trines acure. The water content of thin the limits ±0.55% of the for the application in sint ole. [Based on author's Eng	Iron Works in determination the mixtures varied between the true water content. tering mixtures. Orig.	en
SUB CODE	: 13 / SUBM DATE:	none / ORIG REF: 002 /	OTH REF: 001	
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YAROSH, B.I., KORDIYAK, Yu.Ye.: GUNIKA, U.H.

Features of the tectonic structure and cil and gas potentials of the Northern Dolina, a new oll field. Neftagas, geel. 2 geofiz. no.4214-19 *63 (MIRA 17:27)

1. Institut geologii goryubikh iskopayemykh AN UkuSSR i Bo-lekhovskaya kontora hureniya tresta "Stanislavborner".

KEROPYAN, Kirill Kirillovich, doktor tekhn.nauk, prof.; SELIMOVA, Klavdiya Dmitriyevna, assistent; GUIKIH, Ivan Ivanovich, assistent

Use of electric simulation for calculating plane rigid frames with inclined elements. Izv. vys. ucheb. zav.; elektromekh. 4 no.3:63-72 '61. (MIRA 14:7)

Rostovskiy inzhenerno-stroitel'nyy institut (for Keropyan).
 Kafedra soprotivleniya materialov Rostovskogo inzhenerno-stroitel'nogo instituta (for Selikhova, Gunkin).
 (Electromechanical analogies)
 (Structural frames)

KEROPYAN, K.K., prof., doktor tekhn. nauk, red.; PUKHOV, G.Ye., prof., doktor tekhn. nauk, red.; UGODCHIKOV, A.G., prof., doktor tekhn. nauk, red.; SADETOV, S.Ya., dots., kand. tekhn. nauk, red.; GUNKIN, I.I., assistent, red.; CHEGOLIN, P.M., dots., kand. tekhn.nauk, red. (Minsk)

[Proceedings of the Inter-University Conference on Electric Modeling of Problems of Structural Mechanics, Theory of Elasticity, and Strength of Materials] Trudy Mezhvuzovskoi nauchno-tekhnicheskoi konferentsii po elektricheskomu modelirovaniiu zadach stroitel'noi mekhaniki, teorii uprugosti i soprotivleniia materialov. Pod red. K.K.Keropiana i A.G. Ugodchikova. Novocherkassk, Rostovskii inzhenerno-stroitel'nyi in-t, 1962. 176 p. (MIRA 17:4)

1. Mezhvuzovskaya nauchno-tekhnicheskaya konferentsiya po elektricheskomu modelirovaniyu zadach stroitel'noy mekhaniki, teorii uprugosti i soprotivleniya materialov. 2d, Rostov-na-Donu, 1962. ½ 2. Rostovskiy-na-Donu inzhenerno-stroitel'nyy-in-stitut (for Keropyan, Sadetov, Gunkin). 3.Chlen-korrespondent AN Ukr.SSR i Vychislitel'nyy tsentr AN SSSR (for Fukhov). 4. Gor'kovskiy inzhenerno-stroitel'nyy institut (for Ugodchikov).

GUN'KO, A.F.

GUN'KO. A.F. - "Benthic Fauna of the River Volga in the Region around the Construction Site of the Gor'kiy Hydroelectric Power Plant." Moscow City Pedagogical Inst imeni V. G. Potemkin. Moscow, 1955. (Dissertation for the Degree of Candidate in Biological Sciences)

So: Knizhnava Letopis', No 3, 1956

AUTHOR:

Gun'ko, A. F.

20-119-2-51/60

TITLE:

The Influence of the Flow in a Reservoir on the State of the Benthic Fauna (as observed in the Gor'kovskoye Reservoir) (Vliyaniye protochnosti vodokhrenilshcha na sostoyaniye donnoy

fauny (na primeret Gor'kovskogo vodokhranilisheha))

PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 2,

pp 372 - 374 (USSR)

ABSTRACT:

In order to be able to make universal economic use of the reservoirs now in the process of development, at present much attention is paid to the development of their fauna (References 1-5). For a few years the author has investi-

gated a section of the Volga in the zone of the

dam of the Gor'kiy power plant with regard to the modification of the bottom fauna and its trend of development. The mentioned reservoir, 434 km of length and of a capacity of 10.3 km³, began to fill up in October 1955. The water level rose by 6 m;in spring of 1956, by another 8 m;and by a further rise of 4 m the filling up was finished. Already the 18t

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20-119-2-51/60

The Influence of the Flow in a Reservoir on the State of the Benthic Fauna (as observed in the Gor'kovskoye Reservoir)

rise had slowed down the flow by 60%. Mud and fine loam deposits on the whole surface were by further damming up. The developed reservoir was divided into 2 parts with regard to the speed of flowing through: (a) without flowing through and with weak flowing through with velocities up to 15 cm/second and b) with flowing through velocity exceeding 15 cm/second (former bed of the · Volga, starting from 40-50 km upstream of the dam). The modified hydrological regime has determined the direction of development of the bottom fauna. During the 1st winter after the damming up and in the 1st half of the summer the psammophil and rheophil complexes of the river fauna could keep alive (table 1). From the middle of June 1956 the modification of the psammophil complex of the organisms, which so far had covered 90% of the area of the river, became clearly evident. Cryptochironomus -larvae (highly rheophil) almost entirely disappeared. Also the larvae of the Hydropsyche

Card 2/4

 20-119-2-51/60

The Influence of the Flow in a Reservoir on the State of the Benthic Fauna (as observed in the Gor'kovskoye Reservoir)

ornatula (lithorheophil) disappeared. At the end of June the colonization of the developed biotopes began. At first it took place near the banks, spreading across the entire reservoir surface towards the end of July. The character of the colonization was essentially influenced by the velocity of flowing through. Towards August all biotopes without or with weak flowing through, in spite of their different original condition (meadows, fields, forests and so on), were densely colonized by larvae of chironomidae (Tendipes)(up to 5610 larvae of a total weight of 23.7 g/m²).In submerged bushes there were also Endochironomus and Procladius. Only the former bed of the Volga in which the following through had been maintained remained untouched by this process. Neither then nor later chironomidae and others of the mentioned kinds have appeared here. The chironomidae Tendipes furthermore determined the dynamics of the living mass of the benthos of the biotopes without flowing through; they were the

Card 3/4

20-119-2-51/60

The Influence of the Flow in a Reservoir on the State of the Benthic Fauna (as observed in the Gor'kovskoye Reservoir)

mainpart of the bottom fauna. In the biotopes with flowing through only one atrophied complex of the river fauna remained alive during the whole season of the open water(table 1, figure 1). On the whole the average living mass of the bottom fauna of the wide part of the reservoir has considerably increased at the expense of the biotopes with no or weak flowing through during the first year. The mentioned modifications will have an influence on the development process of the shoalscenters in the reservoir. There are 1 figure, 1 table and 5 references, all of which are Soviet.

ASSOCIATION:

Institut biologii vodokhranilishch Akademii nauk SSSR (In-

stitute for Biology of Water Reservoirs, AS USSR)

PRESENTED:

December 18, 1957, by I. I. Shmal'gauzen, Member, Academy of

Sciences, USSR

SUBMITTED:

December 17, 1957

Card 4/4

MORDUKHAY-BOLTOVSKOY, F.D.; GUN'KO, A.F.

Bottom fauna of Gorkiy Reservoir during its first year of existence. Trudy Inst.biol.vodokhran. no.2:73-84 '59.

(MIRA 13:5)

(Gorkiy Reservoir--Benthos)

GUN'KO, A.F.

Repopulation of areas free from botton fauna in the Volge River.
Zool.zhur. 38 no.5:673-683 My '59. (MIRA 17:7)

1. Institute of Water Reservoir Biology, Academy of Sciences of the U.S.S.R. (Host Office of Borok, Nekouz District, Yaroslavl' region).

(Volga River—Fresh-water fauna)

17 (3), 30 (1)

. AUTHOR:

Gun'ke, A. F.

507/20-127-4-49/60

TITLE:

On a Possible Method of Controlling the Feeding Ground of the Fish in the Taganrog Bay of the Azov Sea

PERIODICAL:

Dcklady Akademii nauk SSSR, 1959, Vol 127, Nr 4, pp 900-902 (USSR)

ABSTRACT:

Hydraulic engineering permits the regulation of the conditions in the rivers; thus the levels of biological processes in the river and the waters connected with it can be influenced. It is aimed at explaining the hydrological conditions of the river and affecting them in a way that guarantees high productivity of the waters of this river-system. According to the results of a special investigation in the Taganrog Bay, there is a direct relation between the size of zooplankton in April and the entering conditions of fresh-water from the river Don within the last 6 months. The effect of other factors is not so important. Table 1 shows the fluctuations of zooplankton during the last 12 years. A comparison of data on zooplankton with data on the quantity of liquid discharge within 6 months (Table 1) explains the dependence on account of which a Don discharge over 6 km³ ic accompanied by a great quantity of zooplankton in the bay. On account of the parallelism between the discharge fluctuations and

Card 1/3

. On a Possible Method of Controlling the Feeding Grand of SOV/20-127-4-49/60 the Fish in the Taganrog Bay of the Azov Sea

the biosubstance of the zooplækton (especially in 1954: discharge of 12 km2 did not cause zooplankton increase) it may be assumed that not only the balance of the discharge is concerned but also its course during the 6 months. By means of a general analysis of the Don discharge it could be explained that the quantity of zooplankton in April can to a certain extent be related to the moment of the entering of fresh-water into the bay. Table 2 shows zooplankton development (1947, 1951, that years of strong 1955-58) are characterized by the entering of greater quantities of river water (about 2/3) in the second half of the 6-month-period, i.e. immediately before a heavier development of the zooplankton in April. In years of a weak development of April-plankton the quantity of water entering the bey is approximately equal in both halves of the 6-month-period mentioned. Thus a) a certain extent of river discharge and b) the time of its entering into the bay may be considered the main conditions for a high level of the development of zooplankton which is the most important food of almost all fish in the bay. Table 3 shows the respective relations. There are 3 tables and 3 Soviet references.

card 2/3

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· On a Possible Method of Controlling the Feeding Ground of JOY/20-127-4-49/60 the Fish in the Taganrog Bay of the Azov Sea

ASSOCIATION: Azovskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva

g. Rostov-na-Donu (Azov Scientific Research Institute of Fisheries,

Restov-na-Donu City)

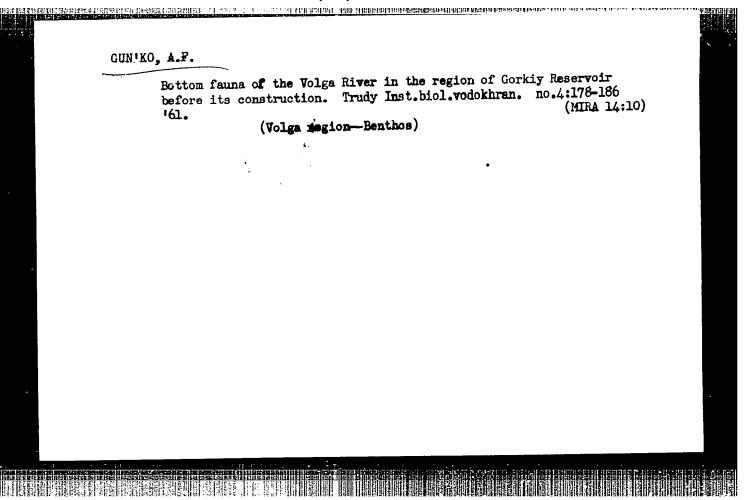
PRESENTED:

April 18, 1959, by I. 1. Shmal'gauzen, Academician

SUBMITTED:

April 17, 1959

Card 3/3



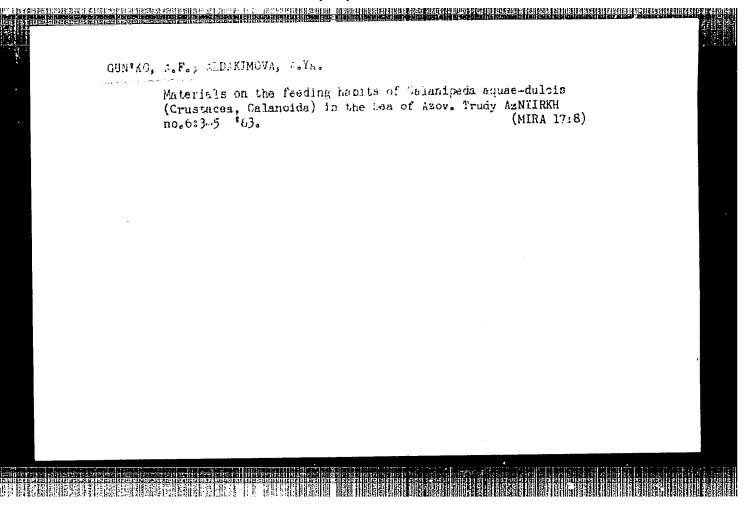
CUN'KO, A.F.; KARPUS', L.T.; SAMSONENEO, P.A.

Rearing sturgeons at controlled temperatures during the incubation period. Dokl. AN SSSR 141 no.6:1512-1514 D '61. (MIRA 14:12)

Azovskiy nauchno-issledovatel skiy institut rybnogo khozyaystva.
 Predstavleno akademikom I.I.Shmal gauzenom.
 (Fish culture) (Sturgeons)

GUN'KO, A.F.; PLESKACHEVSKAYA, T.G.

Results of using Artemia salina L. as food in raising acipenserid fry in round basins. Vop. ikht. 2 no.2:371-374 '62. (MIRA 15:11)



GUN'KO, A.P.; NAUMOV, V.M.

Most important problems of the reproduction of sturgeons in the

Azov See basin. Trudy VNIRO no.54:231-221 164.

(MIRA 18:2)

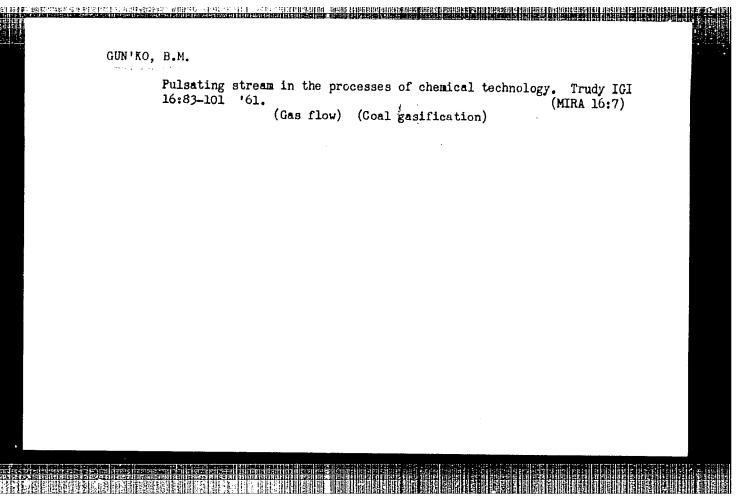
1. Azovskiy nauchno issledovateliskiy institut rybnogo khozyaystva (for Guniko). 2. Vaesoyuznyy nauchno-issledovateliskiy institut morakogo rybnogo khozyaystva i okeanografii (for Naumov).

MARFINA, A. M.; NIKITYUK, N. I.; GUNEKO, A. N.

Simplified determining of the concentration of molasses and flour mash in solvent production. Spirt. prom. 29 no.3:15-18 163. (MIRA 16:4)

1. Talitskiy spirtekombinat.

(Saccharimeter) (Starch)



क्षा है सम्बद्धा प्रदेश का किन्द्र महत्र का स्वता का स्वतंत्र का स्वतंत्र का स्वतंत्र महिन्द्या गा । विवास समामा	日日初刊 (15年) 15年 (15年)
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of homogeneous combust	ion by low frequency vibrations
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tekhn. inform. GIAP, 1962, 7-13 TOPIC TAGS: combustion process, combustion s	tability, turbulent flow temperature,
flame propagation	in the state of th
flame propagation ABSTRACT: It is generally accepted that low rate of heterogeneous diffusion processes. It is large relative phase velocities.	This intensification is apparently due It was important to learn whether
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particularly since the injustry	the possible are many and
are becoming ever more important in are becoming ever more important in an lead ances in combustion stability which can lead may be associated with physical, chemical or ties for existence of these oscillations in	a given system are determined not only
ties for existence of	
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L 33304-65 ACCESSION NR: AT5004081

by disruptions in the combustion process, but also by breakdowns in the dynamic equilibrium as a whole. Oscillatory combustion may be regarded as "ordered turbulence" which is a special instance of the general phenomenon of instability in turbulent combustion. In the case of small scale turbulence, the flame propagation velocity increases by $\sqrt{1+lv'/a}$, i.e. is proportional to the relative increase of the area of the front due to small scale pulsations (& is the scale of turbulence, v' is the pulsation velocity, a is the temperature conductivity factor). In the case of large scale turbulence, when the scale of turbulence is greater than the thickness of the flame front, the latter is broken up into separate elements. The spattering of these elements into a fresh mixture leads to a still greater propagation velocity equal to $U_{\rm fr} = \sqrt{1+B(v^{\dagger}/U_{\rm fr})^2}$, where B is an empirical constant and $U_{\rm fr}$ is the normal flame propagation velocity. In this case the intersification is apparently connected not only with a simple increase in the combustion area, but also with a rapid scattering of the combustion sources with a velocity greater than the normal propagation velocity. Particular attention was given to the effect of pulsation on the incomplete combustion of a fuel mixture. Experiments were conducted with a rotor type interrupter which made it possible to mix the streams completely before they reached the reactor. The results of the experiments are discussed in detail. The experimental results confirm the theoretical prediction

Card 2/3

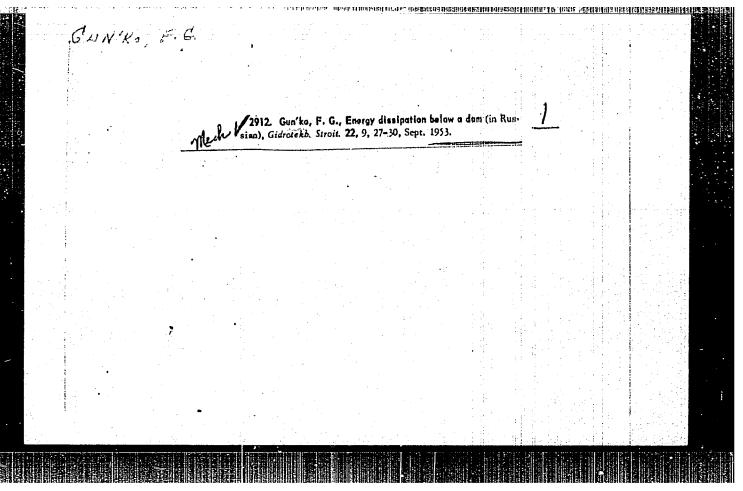
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that the process of homogeneo	us combustion is intensitive representation of the natur	e of this e	fect and	the
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GUN'KO, F.G., starshiy nauchn.sotrudnik, kand. tekhn.nauk

Widening of a quiet flow in a rectangular bed. Izv. VNIIG 46:53-62

(MIRA 12:5)

(Hydrodynamics)

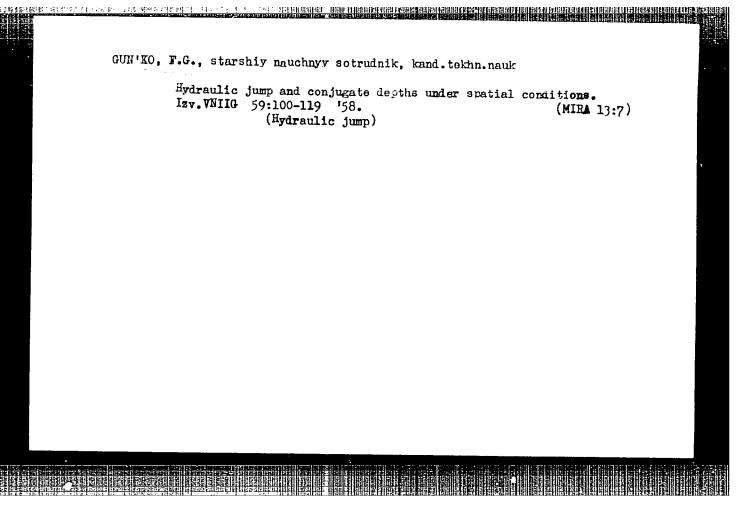


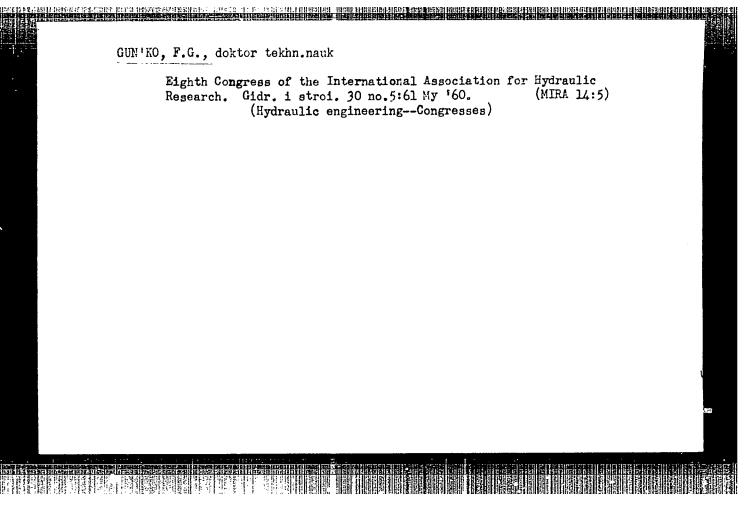
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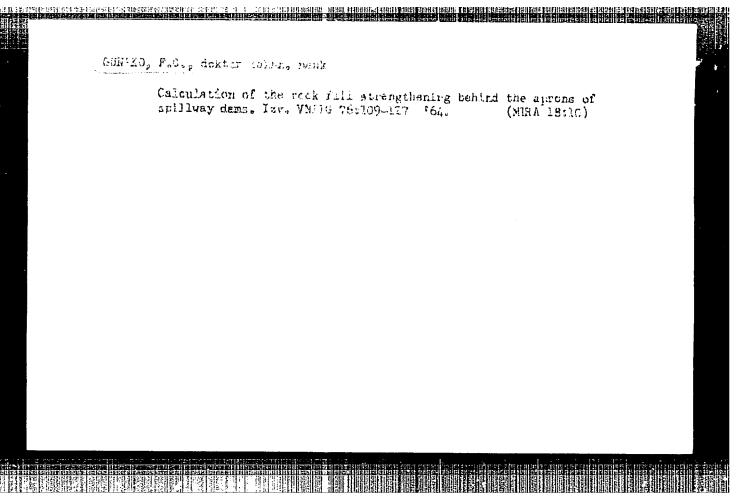
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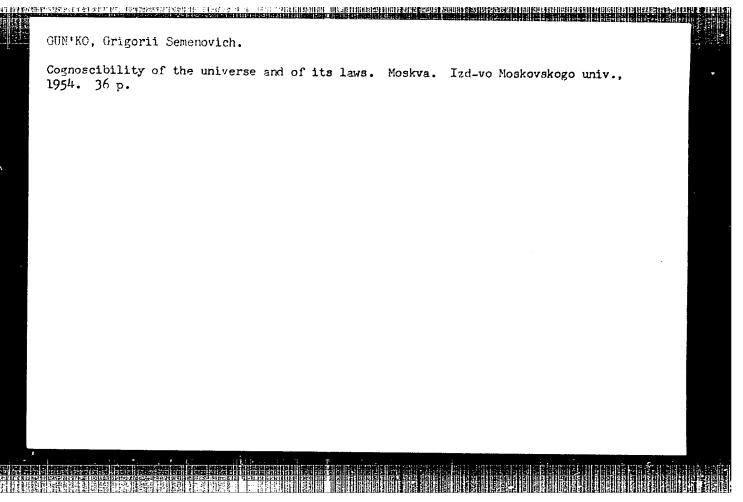
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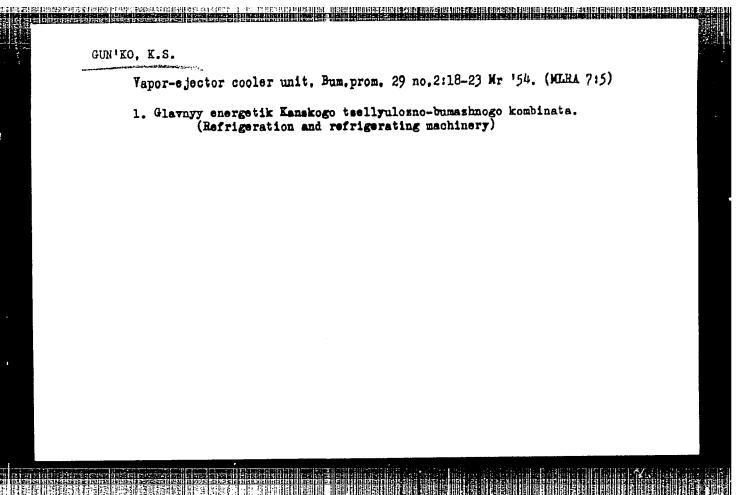
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EPA(s)-2/ENT(m)/EPF(n)-2/EPF(c)/ENP(c)/ENP(b) Pr-4/14-1/Pu-4 UR/Q032/65/031/006/0656/0657 ACCESSION NR: AP5014A66 546.81/156:5/3 253.06 AUTHORS: Berezina, K. G.; Volkova, L. V.; Gun'ko. Ye. I. TITLE: The determination of lead and copper microimpurities in dollies chloride by the use of micropolarographic analysis SOURCE: Zavodskaya laboratoriya, v. 31, no. 6, 1965, 656-657 TOPIC TAGS: microchemical analysis, microchemical analysis equipment, polarographic analysis, salt, impurity content, copper, lead / Orion 7 77 4b Hungarian polarograph ABSTRACT: A new micropolarographic method was developed for determining the lead and copper microimpurities in common salt. The impurities were liest concentrated with sodium diethyldithiocarbamate. The lead and copper complexes were extracted by carbon tetrachloride, and the extracts were concentrated with hydrochloric acid. Nitrogen was bubbled through the solution to remove the oxygen. The polarogram was made on a Hungarian polarograph "Orion -7-77-46" with a galvamometer sensitivity of 3.10-9 a/mm. In a 100-g sample the minimum quantities were

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0.1 micrograms of lead and 0.3 of tin impurities to salt, it was of the method can be used for determined.	catablished that the dete	ermination error wa	e < 20%.
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经现场的报报表系统,实现在人类的发现,一个成为了作""。另一个,正是一个主义的,但是一个现代的,但是不是一个,这个人,也是是一个人,也是一个人,也是一个人,也是 第一个人,我们是一个人,我们是一个人,我们是不是一个人,我们们们是一个人,我们们们是一个人,我们们也是一个人,我们们也是我们们是是我们们的自己的,他们也是一个人

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