

KRITSKIY, V. A. (USSR)

"Free Nucleotides and Autolysis of the Nucleic Acids of  
Bone Marrow after X-Irradiation."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 August 1961

KRITSKIY, G.A.; ROYTMAN, F.I.

Nucleotide metabolism in the bone marrow under normal conditions and following X irradiation. *Biokhimiia* 26 no. 1:148-154 Ja-F '61.  
(MIRA 14:2)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R.,  
Moscow.  
(MARROW) ( X RAYS—PHYSIOLOGICAL EFFECT) (NUCLEOTIDES)

KRITSKIY, G.A.; CHZHAY-TSI-VEY [Chai Ch'i-wei]

Nucleotide metabolism in larvae of the beq moth (*Galleria mellonella* L.) under normal conditions and following X irradiation. *Biokhimiia* 26 no.2:249-253 Mr-Apr '61. (MIRA 14:5)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R., Moscow.

(X RAYS—PHYSIOLOGICAL EFFECT) (AUTOLYSIS)

39465

S/218/62/027/002/001/001  
1016/1213

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27-1220

AUTHOR: Kritskiy, G. A. and Koltun, Yu. T.

TITLE: Effect of x-irradiation on the autolysis of deoxyribonucleic and ribonucleic acids of bone marrow

PERIODICAL: Biokhimiya, v. 27, no. 2, 1962, 313-316

TEXT: The purpose of this study was to provide the missing information on the effect of irradiation on the autolysis of DNA. The right hind extremity of a rabbit was irradiated under the following conditions: voltage, 180kv, current intensity, 15 ma, filters of 0.5 mm Cu and 0.75 mm Al, focal distance, 30 cm, dose 2,000 r, exposure, 22 min. The rabbit was decapitated immediately after irradiation and bled. The bones of the hind extremities were frozen in solid CO<sub>2</sub>, thawed later in a cold-room (+3°C) and the bone marrow extracted at once and homogenized in Ringer's solution. DNA and RNA were extracted before and after incubation for 2 hrs at 38°, by shaking with phenol-saturated water at pH 8.3 and precipitation with alcohol. The precipitate was dissolved in water by shaking for 5 min. The total DNA and RNA content was determined by measuring absorbance at 255 mμ, DNA—by Burton's diphenylamine method and RNA—by the arcinol method. About 30 rabbits were used in these experiments. The amount of DNA isolated from the irradiated bone marrow was ca 15% higher than in the non-irradiated control. The difference was probably

X

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Effect of x-irradiation..

S/218/62/027/002/001/001  
1016/1213

due to weakening of the bond between DNA and protein as a result of irradiation. The rate of autolytic cleavage of DNA immediately after irradiation with a dose of 2,000 r was more than 3 times as high as in the control. The amount of extractable RNA and the rate of its autolysis did not change after irradiation

ASSOCIATION: Institut biokhimii im A. N. Bakha Akademii nauk, SSSR (Institute of Biochemistry im A. N. Bakh, Academy of Sciences, USSR), Moscow

SUBMITTED: August 1, 1961

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L 18199-63 EWT(1)/EWT(m)/BDS/ES(j) AMD/AEFTC/ASD AR/K

ACCESSION NR: AP3005651 S/0218/63/028/004/0595/0601 lot

AUTHOR: Kritskiy, G. A.; Safronova, R. N.; Chil-Akopyan, L. A.; Kovtun, Yu. I. 59

TITLE: Bone marrow nucleic acid autolysis in normal and in X-irradiated animals 19

SOURCE: Biokhimiya, v. 28, no. 4, 1963, 595-601

TOPIC TAGS: autolysis, RNA, DNA, bone marrow, local X-irradiation, dose

ABSTRACT: For DNA and RNA autolysis of rabbit bone marrow, the right back extremities of a group of rabbits were exposed to X-irradiation (RUP-1) of 2000 r (24 min), & the same parts of another group of rabbits were exposed to 200 r (2.4 min). After irradiation the rabbits were decapitated at different time periods. The back extremities were frozen for 1-2 days, and after thawing at room temperature, the bone marrow was extracted. Nucleic acid autolysis of bone marrow homogenates was investigated. Results indicate that shortly after irradiation DNA autolysis is slightly activated for the 200 r dose. For the 2000 r dose the initial DNA autolysis rate increases almost three  
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ACCESSION NR: AP3005651

times. RNA autolysis for a 2000 r dose is activated only 2 hrs after irradiation. DNA and RNA autolytic rates are significantly inhibited after the first day, reach their peak between 2-4 days, and then gradually return to normal. Nucleic acid autolysis changes were compared with changes in their contents. Activation of DNA autolysis is an earlier radiation disturbance than decrease in nucleic acid contents or change in free nucleotide contents. Activation of DNA autolysis shortly after irradiation is a characteristic disturbance in cell biochemistry and leads to cell disintegration. Sharp inhibition of DNA and RNA autolysis shortly after irradiation can be explained by qualitative DNA and RNA changes in the irradiated tissues. The authors express their gratitude to N. B. Aleksandrova for assistance in the study. Orig. art. has: 2 tables, 3 figures.

ASSOCIATION: Institut biokhimii im. A. N. Bakha Akademii Nauk SSSR, Moskva (Institute of Biochemistry, Academy of Sciences, USSR)

SUBMITTED: 18Aug62

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: AM

NO REF SOV: 009

OTHER: 018

Card 2/2

KRITSKIY, G.A.; SAFRONOVA, R.N.; KOVTUN, Yu.T.; MIRLINA, S.Ya.;  
MALYSHEVA, L.F.

Change in the properties of deoxyribonucleic acid of the bone  
marrow following X-ray irradiation of an animal. Biokhimiia  
29 no.4:701-706 J1-Ag '64. (MIRA 18:6)

1. Institut biokhimi i imeni Bakha AN SSSR i Moskovskiy gos-  
darstvennyy universitet imeni Lomonosova, Moskva.



L 31193-49  
ACC NR: 137007005

SOURCE CODE: UR/0218/65/030/006/1147/1153

AUTHOR: Kritskiy, G. A.; Malyshova, L. F.; Safronova, R. N.

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B

ORG: Institute of Biochemistry im. A. N. Bakh, AN SSSR (Institut biokhimi AN SSSR);  
Moscow State University im. M. V. Lomonosov, Moscow (Gosudarstvennyy universitet)

TITLE: Change in properties of bone-marrow DNA after x-irradiation in vivo

SOURCE: Biokhimiya, v. 30, no. 6, 1965, 1147-1153

TOPIC TAGS: bone marrow, rabbit, DNA, x ray irradiation, depolymerization, chemical precipitation, fluid viscosity, polymer cross linking, intermolecular complex, RNA, protein, polymer structure

ABSTRACT: Local x-irradiation (2,000 r) of the hind leg of rabbits decreased the viscosity of bone-marrow DNA immediately after exposure, the maximum decrease (49%) occurring on the 3d day. The method of fractional precipitation of DNA with trichloroacetic acid from an alkaline solution or with alcohol in a neutral medium containing Mg<sup>++</sup> revealed a slight increase in the readily precipitable DNA (fraction I) immediately after exposure. This fraction decreased 4-5-fold during the period of acute radiation injury to the tissue. The molecular weight of the fraction increased immediately after exposure but decreased 3 days later.

The authors conjecture that the decrease in viscosity and increase in precipitability of DNA immediately after x-irradiation may have been caused by the combined processes of depolymerization, formation of cross-linkages.

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UDC: 547.963.3

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0624

L 31193-66

ACC NR: AP6022605

in DNA molecules and dissociation of complexes of DNA with RNA and protein. Depolymerization of DNA was most pronounced during the period of acute radiation injury (1-5 days after irradiation). These changes eventually proved to be reversible for the most part. Electron-microscopic studies revealed aberrant forms of DNA structures: cross-linkages, branching, twisting of strands, depolymerization, and formation of knots. Orig. art. has: 4 figures and 2 tables. [JPRS]

SUB CODE: 06, 07 / SUBM DATE: 11Dec64 / ORIG REF: 011 / OTH REF: 004

Card 2/2 CC

KRITSKIY, G.G., inzh.

Supplying refractory materials in piles to the construction sites of blast furnaces. Mont.i spets.rab.v stroi. 22 no.9:26-28 8 '60. (MIRA 13:8)

1. Ust'-Kamenogorskoye stroitel'no-montashnoye upravleniye tresta Soyusteplostroy.  
(Blast furnaces)  
(Refractory materials--Transportation)

BORISOV, P.V.. inzh.; KRITSKIY, G.G.

Lining the blast heaters of blast furnaces with large refractory blocks. Mont. i spets. rab. v stroi. 24 no.1:9-12 Ja '62.

(MIRA 15:7)

1. Trest Soyuzteplostroy i Ust'-Kamenogorskoye upravleniye Soyuz-  
telplostroya.

(Blast furnaces)

(Refractory concrete)

KULAYEV, I.S.; KRITSKIY, M.S.; BELOZERSKIY, A.N.

Metabolism of polyphosphates and some other phosphorus compounds during the development of fruit bodies in the mushroom *Agaricus bisporus* L. *Biokhimiya* 25 no.4:735-748 J1-Ag '60. (MIRA 13:11)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R., and Faculty of Biology and So. Sciences, the State University, Moscow.

(MUSHROOMS)

(PHOSPHORUS METABOLISM)

KRITSKIY, M.S.; KULAYEV, I.S.; KLEBANOVA, L.M.; BELIZHESKIY, A.N., akademik

Two ways of phosphate transport in the fruiting bodies of *Agaricus bisporus*. Dokl. AN SSSR 160 no.4:949-952 F '65.

(MIRA 18:2)

1. Institut biokhimii im. A.N. Bakha AN SSSR i Moskovskiy gosudarstvennyy universitet.

KRITSKIY, M.S.; KULAYEV, I.S.

Acid-soluble nucleotides of the fruiting bodies of *Agaricus bisporus* L. *Biokhimiya* 28 no.4:694-699 J1-Ag '63.

(MIRA 18:3)

1. Institut biokhimi imeni Bakha AN SSSR i biologo-pochvennyy fakul'tet Gosudarstvennogo universiteta imeni Lomonosova, Moskva.

KRITSKIY, M.S.; KULAYEV, I.S.; MAYOROVA, I.P.; FAYS, D.A.; BELOZERSKIY, A.N.

Translocation of phosphates in the sporophores of meadow mushrooms. Biokhimiia 30 no.4:778-789 J1-Ag '65.

(MIRA 18:8)

1. Institut biokhimi i imeni A.N. Bakha AN SSSR i biologo-pochvennyy fakul'tet Gosudarstvennogo universiteta imeni M.V. Lomonosova, Moskva.



KRITSKIY, M. T.

USSR/Ships - Construction  
Ships - Design

Mar/Apr 1947

"Classifying the Technological Process of Ship Construction," M. T. Kritskiy, Engg, GSPI, 2 pp

"Sudostroyeniye" No 2

There are certain technological processes in the construction of ships which are the same regardless of the type of ship being built. These include types of material and sizes of certain parts. Because of the long time necessary for building a ship, and the "custom tailor" methods now in use for separate parts the author recommends that ships be classed according to the technological process of construction to per-

SS

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USSR/Ships - Construction (Contd)

Mar/Apr 1947

rite the use of a central stock for some of the parts which are common to several types, thus cutting down on the time necessary for shaping each part for each ship.

SS

28195

KRITSKIY, S. II.

"On the Fundamentals of the Theory of Stream Flow  
Utilization."

Iz. Ak. Nauk, Otdel Tekh. Nauk, No. 2, 1946

KRITSKIY, S. N.

USSR/Floods  
Flow, Hydrodynamic

Dec 1946

"The Principles of Maximum Flood Flow Estimates for  
the Design of Outlets and Spillways," S. N. Kritskiy  
M. F. Menkel, 12 pp

"Izv Ak Nauk Otd Tekh" No 12

Detailed discussion on the above subject, with  
comparisons as to how similar estimates are carried  
out in foreign countries. Author draws examples  
from the work accomplished by the Tennessee Valley  
Authority.

14742

KRITSKIY, S. N.

"Hydrological Fundamentals of the Theory of River Runoff Regulation."  
Sub 31 Oct 47, Moscow Hydraulic Engineering and Soil Improvement Institute  
V. R. Vil'yams

Dissertations presented for degrees in science and engineering in Moscow  
in 1947

SO: Sum No. 457, 18 Apr 55

Kritskiy, S N

N/5  
623.321  
.K9

..Zimnyy termicheskiy rezhim vodokhranilishck rek i kanalov

[Winter thermal system for water reservoirs, streams and conduits by]

S. N. Kritskiy [and others]

Moskva, Gosenergoizdat, 1947.

154 p. Diagr., Graphs, Tables.

RUSSIAN L. N.

Knitokiy G. M. and Menkel V. F., "Agreement of Theoretical Curves of the Distribution of River Run-off with Observation Data", Problemy zemel'n. mekhaniki i stoka, No 3, 1948 (5-69)

КНИЖКА № 1.

Квитский Е. Н. и Мамк В. Ф. "Winter Conditions in Water Reservoirs and Canals".  
Проблемы регулирования стока (Problems of Regulating River Run-off) № 3, 1952 (70-161)

SO: U-3 39, 11 Mar 1953

FRITSKIY, Sergey Nikolayevich

"Selection of Graph Curves Representing the Distribution of Potential when Calculating the Flow of a River Current," Iz. Ak. Nauk SSSR, Otdel. Tekh. Nauk, No.6, 1948.

Section for Scientific Solution of Problems of Hydraulic Economy, AS USSR



KRITSKIY, S. N. and MENKEL', M. F.

"Using the Method of Greatest Probability for Selective Evaluation of the  
Statistical Parameters of River Flow," Iz. Ak. Nauk SSSR, Otdel. Tekh. Nauk, No.4,  
1949

Section for Scientific Solution of Problems of Water Economy, AS USSR

KRITSKIY, S. N. and MENKEL', M. F.

"The Hydrological Basis of Hydraulic Stream Engineering," Publ. House Acad. Sci. USSR, M., 1950.

KRITSKIY, S. N.

"Hydrologic Fundamentals of Fluvial Hydraulic Engineering," 1950

KRITSKIY, S. N. (Doctor of Technical Sciences)

Gave treatise on Maximum Amount of Water in Volga and Don Rivers to be Utilized by Specific Projected Hydroelectric Developments.

Soviet Source: N: Sovetskaya Latvya, 5 July 1951 Riga Latvia

Abstracted in USAF "Treasure Island", on file in the Library of Congress, Air Information Division, Report Number 107048. UNCLASSIFIED

KRITSKIY, S. N., MENKEL', M. F.

KRITSKIY, S. N., MENKEL', M. F.

Hydraulic Engineering

Fundamentals of hydraulic engineering; applied  
to rivers. Gidr. stroi, 20 no. 5, 1951.

Monthly List of Russian Accessions, Library of Congress. November, 1952 . UNCLASSIFIED.

KRITSKIY, S.H., doktor tekhnicheskikh nauk; MENKEL', M.F., doktor tekhnicheskikh nauk; CHEBOTAREV, A.I., redaktor; BRAYNINA, M.I., tekhnicheskiiy redaktor; KOKONOVA, L.B., tekhnicheskiiy redaktor.

[Calculations of water resources; river run-off control, water supply and hydraulic power computations] Vodokhoziaistvennye raschety; regulirovaniye rechnogo stoka, vodokhoziaistvennye i vodnoenergeticheskie raschety. Leningrad, Gidrometeorologicheskoe izd-vo, 1952. 392 p. [Microfilm] (MIRA 8:5)  
(Water resources development)

KRITSKIY, S. N.; KONEN, S. F.

Stream Measurements

Present state and development of Soviet methodology in calculating river discharge.  
Izv. AN SSSR Otd. tekhn. nauk no. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

KRI SKIK, S.H.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Kritskiy, S.H. Mankel', M.P.	"Water Economy Calculations"	Section for the Scientific Development of Problems of Water Economy, Academy of Sciences USSR

BO: W-30604, 7 July 1954



KRZHIZHANOVSKIY, G.M., akademik; AYVAZYAN, V.G.; ALAMPIYEV, P.M.;  
BUYANOVSKIY, M.S.; VARTAZAROV, S.Ya.; VEYTS, V.I.; GUVIN, P.F.;  
DYMISTRASHKO, N.V.; KARAULOV, N.A.; KOCHARYAN, G.A.;  
KRITSKIY, S.H.; LEBEDEV, M.M.; MURZAYEV, E.M.; FEL'DMAN, M.P.;  
SHCHENGBELIYAN, P.G.; ERISTOV, V.S.

Sukias Efremovich Manaserian; obituary. Izv.AN SSSR. Ser.geog.  
no.5:143-144 S-O '56. (MLRA 9:11)

(Manaserian, Sukias Efremovich, 1881-1956)

KRITSKIY, S.N.; MENKEL', M.F.

Estimating the probable recurrence of rarely observed  
hydrological phenomena. Probl.reg.rech.stoka no.6:188-217  
'56. (MLRA 10:2)

(Hydrology)

KRITSKIY, S.N.; MENKEL', M.F.

Double finite curve of probability distribution and its  
application to hydrological calculations. Probl.reg.rech.  
stoka no.6:218-229 '56. (MLBA 10:2)

(Hydrology)

KRITSKIY, S.N.; MENKEL', M.F.

Tasks in hydrology in connection with hydrotechnical construction  
during the sixth five-year plan. Meteor. i gidrol. no.12:9-17 D'56.  
(MIRA 10:1)

(Water resources development)

KRITSKII, S.; MENKELII, M.

KRITSKII, S.; MENKELII, M. Theoretical investigations of river regulations and the utilization of their stored waters. Tr. from the Russian. p.451

Vol. 19, No. 4, 1956.  
KOZLEMENYEI  
TECHNOLOGY  
Budapest, Hungary

So: East European Accession, Vol. 6, No. 2, Feb. 1957

KRITSKIY, S.H. ; MENKEL', M.P.

Estimating the probable frequency of hydrological values.  
Meteor. i gidrol. no. 3:52-53 Mr '57. (MLRA 10:5)  
(Hydrology)

КРИТСКИЙ, С.Н.

KRITSKIY, S.N., doktor tekhn. nauk.

Water resources of the Tobol River and Ishim River, their regulation and utilisation. Vest. AN Kazakh. SSR 13 no.7:24-29 J1  
'57. (MLRA 10:9)  
(Tobol River--Hydrography) (Ishim River--Hydrography)





KRIFSKIY, D.N.

SOV-98-58-2-18/21

AUTHOR: Shumel', S.S., Engineer, Member of the Presidium, 3rd All-Union Hydrological Congress

TITLE: The Third All-Union Hydrological Congress (III Vsesoyuznyy gidrologicheskiy s"yezd)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 2, pp 60-61 (USSR)

ABSTRACT: The Third All-Union Hydrological Congress took place in Leningrad at the end of 1957. The Congress was attended by 1,240 scientists, engineers and specialists, employed at 300 scientific-research organizations and vuzes, scientific-technical societies of the electric power industry, mining industry and water transport, and 35 specialists from Albania, Bulgaria, Hungary, East Germany, China, Mongolia, Poland, Rumania, Czechoslovakia and Yugoslavia. The Congress examined the conditions and prospects for research into the hydrology continents, and pointed out the great achievements accomplished in the field of hydrology and water resources of the USSR. A number of reports was heard by the Congress, among which may be mentioned the report of Candidate of Technical Sciences V.A. Uryvayev (State Hydrological Institute) "The Study of the USSR Continental Waters and Further Tasks in This

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The Third All-Union Hydrological Congress

SOV-98-58-2-18/21

Field". The Doctors of Technical Sciences S.N. Kritskiy and M.F. Menkel' (Section for the Scientific Development of Problems of Water Economics; USSR Academy of Sciences) and Candidate of Technical Sciences A.I. Chebotarev (GGI) reported on "Water Engineering in USSR and Problems of Hydrology". Professor A.N. Voznesenskiy (Institute "Energoprojekt") spoke on "The Utilization of the USSR Water Resources and the Prospects for Developing Water Power". A total of 9 specialized sections were working at the Congress: Calculations and Prognoses (Chairmen - Doctor of Technical Sciences, Professor D.L. Sokolovskiy, Candidate of Technical Sciences A.I. Chebotarev and Doctor of Geographical Sciences G.P. Kalinin); Hydrophysics (Chairman - Doctor of Geographical Sciences, Regular Member of the RSFSR Academy of Pedagogical Sciences, Professor B.P. Orlov); Lakes and Water Reservoirs (Chairman - Doctor of Technical Sciences, Honored Worker of RSFSR Science and Engineering, Professor Ye.V. Bliznvak); Hydrodynamics and River-Bed Processes (Chairman - Corresponding Member, AS USSR, Honored Worker in RSFSR Science and Engineering, M.A. Melikanov); Water Economics (Chairmen - Doctors of Technical Sciences S.N. Kritskiy and M.F. Menkel'); General Hydrology (Chairman - Doctor of Geographical Sciences,

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The Third All-Union Hydrological Congress

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Professor L.K. Davydov); Hydrometry and Methods of Hydrological Research (Chairman - Candidate of Technical Sciences A.K. Proskuryakov); Underground Waters and Problems of Underground Feeding of Rivers (Chairman - Doctor of Geological and Mineralogical Sciences, Professor B.I. Kudelin); Hydrochemistry and Sanitary Protection of Waters (Chairman - Corresponding Member, AS USSR, O. A. Alekin). Over 400 reports on all principal problems of the hydrology of continents were delivered and discussed at the sections. The author lists the work performed during the 40 years of Soviet regime and speaks of current needs. The Congress adopted several decisions, approving the resolutions of the sections, and considered it necessary to establish an inter-departmental committee to co-ordinate scientific research work. The Congress decided to take necessary measures for an urgent exploitation of the State Hydrological Institute's River-Bed Laboratory, whose activity should further the solving of important scientific problems in the field of hydrodynamics and river-bed processes. Future hydrological congresses

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The Third All-Union Hydrological Congress

SOV-98-58-2-18/21

will convene once every 5 - 7 years.

1. Hydrology--USSR 2. Water power--USSR

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KRITSKIY, S N.

10-58-3-1/29

AUTHOR: Dzents-Litovskiy, A.I., Lopatin, G.V. and Shnitnikov, A.V.

TITLE: The Third All-Union Hydrological Congress (Tretiy vsesoyuznyy gidrologicheskiy s"yezd)

PERIODICAL: Izvestiya Akademii Nauk SSSR - Seriya Geograficheskaya, 1958, Nr 3, pp 3-9 (USSR)

ABSTRACT: From the 7th to the 17th October 1957 the Third All-Union Hydrological Congress took place in Leningrad. There were 1,200 experts on hydrology and adjacent subjects, and guests from people's democracies present; 429 reports were delivered, among them 140 reports from workers of the Gidrometeosluzhba (The Hydrometeorological Service), about 65 from workers of the USSR Academy of Sciences and the same number of reports by workers of Soviet Higher Education Institutions. At the plenary meetings of the conference the following 9 reports were delivered: "Investigations on the Interior Waters of the USSR and Future Tasks in Studying This Subject" by V.A. Uryvayev; "Water Engineering Construction in the USSR and the Tasks of Hydrology" by S.N. Kritskiy, M.F. Menkel' and A.I. Chebotareva; " Investigating Lakes and water Reservoirs of the

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USSR" by Ye.V. Bliznyak and V.G. Andreyanov; "The Utilization of the USSR Water Resources and the Future development of Water Engineering" by A.N. Voznesenskiy; "The Present Methods of Hydrological Prognosis and Ways Leading to Their Development" by G.P. Kalinin; "The Research and Computation of Water Discharges in the USSR, Their Present State and Future Development" by D.L. Sokolovskiy; "The Climatic Factors of Water Balance on the Continent" by M.I. Budyko and O.A. Drozdov; N.Ye. Kondrat'yev reported on his research regarding the deformation of river beds, and Academician I.P. Gerasimov on "The Transformation of Water and Thermal Conditions Under the Influence of Meliorative Measures". During the continuation of the conference the following reports were delivered in the 9 sections: B.L. Lichkov on "The Unity of Natural Waters and the Formation of Subsurface Waters", based on the theory of the Academician V.I. Vernadskiy; M.I. L'vovich on "Complex Geographical Method in Hydrology and the Tasks of Its Development", A.V. Shnitnikov on "The Past and Future of Lake Aral and the Big Climatic Rhythms"; B.A. Apollov on "The Connection Between Solar Activity and the Phenomena Determining the Flow of Rivers"; Ye.S. Rubinshteyn and O.A. Drozdov on "Climatic Changes and Variations and the Secular Course of Precipitations". The report

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of P.A. Kozlovskiy "Connections Between Hydrological and Terrestrial Electricity Problems" is said to have been interesting and valuable. Four reports were delivered by P.S. Kuzin, V.S. Mezentsov, V.I. Astrakhantsev and G.V. Lopatin on questions of hydrological partitioning; K.Ye. Ivanov reported on "Basic Principles of Swamp Hydrology"; V.V. Romanov on "Water Balance of Swamps in the European Parts of the USSR"; A.M. Gavrilov and P.V. Molitvin reported on their investigations regarding rivers in karst districts of the USSR; G.I. Shvets and E.G. Moskovkina reported on the secular fluctuations of the amount of water in the Dnepr and on historical floods at the lower parts of the Daugava; I.V. Bogolyubova, M.M. Ayzenberg, V.Ye. Ioganson, S.P. Kavetskoy and others reported on the study of flood waters and on catastrophic floods in mountainous districts; A.I. Dzens-Litovskiy on "Geological and Geographical Regularity in the Distribution of Fresh-Water-, Brackish- and Salt Lakes"; B.B. Bogoslovskiy on "Water Balance of Lakes in the USSR European Territory"; M.A. Man'ko and A.V. Agupov dealt in their reports with the subsurface supply of lakes, and A.N. Afanas'yev and O.I. Khalatyan with the water balance of the Lake Baykal and the Khrami water reservoir; G.I. Galaziya reported on "Botanical Method Serving Hydrology

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10-58-3-1/29

and Engineering Geology". On the formation of shores and the bottom of water reservoirs, S.L. Vendrov dealt with the Tsimlyansk, the Kama, and the Kuybyshev water reservoirs; N.A. Labzovskiy, O.G. Grigor'yeva and A.S. Sukhodol'skiy on the theory of shore formation; V.M. Makkaveyev dealt with the theory of surge in water reservoirs; other reports delivered by Ye.M. Selyuk, P.I. Nikulin, V.L. Bulakh, V.P. Moskal' and I.G. Nikitin dealt with the theory of surge and in particular with the water reservoirs of Rybinsk, Kuybyshev, Kakhovka, Dnepr and Central-Asia. Matters of thermal processes and water balance of water reservoirs were treated by I.V. Molchanov, K.I. Rosinskiy, M.M. Aynbund (Lake Sevan), V.I. Verbolov (Lake Baykal), A.R. Konstantinov and G.G. Fedorova (Lake Valdai). On subsurface water resources and the subsurface supply of rivers reported S.F. Aver'yanov, S.N. Bogolyubov, B.I. Kudelin, B.L. Lichkov, F.A. Makarenko, G.M. Zakharchenko, A.I. Kalabin, V.A. Sergeyev, V.I. Duginov, V.A. Korobeynikov, G.F. Basov. N.I. Druzhinin, A.V. Lebedev, O.V. Popov and others referred to the state of subsurface water supplies and A.A. Rode, N.N. Favorin, A.K. Filippov and others to the water physical characteristics of soils. A.M. Ovchinnikov, V.I. Dukhanin and others reported on their investigations of the regularity of

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subsurface water formation and distribution in the Russian lowland. From the regional reports are mentioned: M.M. Ivanitsin, on the formation of subsurface water in the irrigated cases of Uzbekistan; B.H. Arkhangel'skiy, on underground depressions in the North-Western district; M.V. Silich, on the karst of the Lithuanian SSR. The question of evaporation from the water surfaces was covered by Z.A. Vikulin, D.L. Laykhtman, T.V. Kirillov, A.A. Krassovskaya, M.P. Timofeyev, N.I. Yakovlev and others. On the subject of evaporation from ground and vegetation, reports were delivered by V.F. Pushkarev, A.R. Konstantinov, V.V. Romanov, N.P. Rusin, V.I. Kuznetsov, S.F. Fedorov, V.F. Shebeko and others. On ice and snow research spoke G.D. Rikhter, Ye.Ya. Shcherbakov, I.V. Ivanov, P.P. Kuz'min, O.A. Spengler, A.P. Braslavskiy, A.G. Kolesnikov, A.A. Pivovarov, A.G. Pronin, B.P. Panov and others. On hydrochemistry and sanitary preservation of water, reports were delivered by N.M. Bochkov, S.M. Drachev, M.I. Kriventsov, A.O. Alekin, P.F. Bochkarev, N.V. Veselovskiy, P.P. Voronkov, K.K. Votintsev, S.G. Vznuzdayev, K.V. Filatov and others; on the regularity of chemical composition in natural waters of different geographic zones reported A.O. Alekin, L.V. Brazhnikova, P.V. Voron-

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kov, A.I. Dzents-Litovskiy and others. Considerable attention was paid to the study of the conditions in regulated rivers and the state of technical equipment in hydrometric work (O.M. Borsuk, Ye.M. Znamenskaya, S.I. Koplun-Diks and A.K. Proskuryakov). On the possibility of using physical methods of measuring, based on the laws of ultra-acoustics and nuclear radiation, reported M.M. Arkhangel'skiy, A.M. Dimaksyan and Ye.V. Berg. I.V. Popova and Ye.A. Romanova reported on the future possibilities of using air photosurvey. Ye.V. Bliznyak proposed a scheme to systematize information on USSR water resources. On new methods of calculating the regulation of flow reported S.N. Kritskiy and M.F. Menkel'; I.A. Zheleznyak elucidated the phenomenon of transformation of the flood flow by means of a system of water reservoirs. Thirty five reports were presented by representatives of people's democracies.

AVAILABLE: Library of Congress

Card 6/6

1. Conferences - Hydrological Congress - Leningrad
2. Hydrology - USSR

KRITSKIY, S.N.; MENKEL', M.F.

Standardizing the resources and utilization techniques of water  
power. Probl. reg. rech. stoka no.7:7-31 '58. (MIRA 11:9)  
(Hydroelectric power)

YAKOBSON, Andrey Genrikhovich, inzh.; KARATAYEV, Vasilii Kus'mich, inzh.;  
ZHELEZNYAKOV, Georgiy Vasil'yevich, prof., doktor tekhn.nauk;  
VOLKOV, Petr Petrovich, inzh.; GRISHIN, M.M., retsenzent;  
KRITSKIY, S.M., doktor tekhn.nauk, nauchnyy red.; PETROV, G.D.,  
inzh., nauchnyy red.; SOKOL'SKIY, I.F., tekhn.red.

[Construction of cofferdams on the Volga River at the site of  
the Stalingrad Hydroelectric Power Station; designing and studying  
construction sites from the point of view of engineering geology]  
Perekrytie runla Volgi v stvore Stalingradskoi GES; opyt proekti-  
rovaniia, inzhenerno-gidrologicheskikh issledovani i nabliudeni.  
Moskva, 1959. 88 p. (MIRA 13:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury  
SSSR (for Grishin).  
(Stalingrad Hydroelectric Power Station) (Cofferdams)

AVRAMENKO, F.D.; VEYTS, V.I.; GUREVICH, B.A.; DENISOV, V.I.; ZAKHARIN,  
A.G.; KARAULOV, N.A.; KOLOSOV, I.S.; KRACHKOVSKIY, N.N.;  
KRITSKIY, S.N.; LEBEDEV, M.M.; LEONT'YEVA, T.K.; MENKEL', M.F.;  
NEKRASOV, A.S.; ROSSIYEVSKIY, G.I.; SHVORIN, B.I.; KRZHIZHA-  
NOVSKIY, G.M., akademik, red.; MARKOVICH, S.G., tekhn.red.

[Principal problems in designing a unified power system in  
the U.S.S.R.] Osnovnye voprosy planirovaniia edinoi energe-  
ticheskoi sistemy SSSR. Pod red. G.M.Krzhizhanovskogo,  
V.I.Veitsa. Moskva, 1959. 174 p. (MIRA 12:6)

1. Akademiya nauk SSSR. Energeticheskiy institut. 2. Chlen-  
korrespondent Akademii nauk SSSR (for Veyts).  
(Electric power)

NIKITIN, Sergey Nikolayevich, dotsent, kand.tekhn.nauk [deceased]; KAROL',  
L.A., kand.tekhn.nauk, red.; SHIMKEL'MITS, I.Ya., inzh., red.;  
KRITSKIY, S.N., doktor tekhn.nauk, retsensent; AYVAZYAN, V.G.,  
prof., doktor tekhn.nauk, retsensent; ALEKSANDROVSKIY, Yu.A.,  
dotsent, kand.tekhn.nauk, retsensent; ORLOV, V.A., red.; BORUNOV,  
N.I., tekhn.red.

[Principles of calculations connected with hydroelectric power]  
Osnovy gidroenergeticheskikh raschetov. Moskva, Gos.energ.izd-vo,  
1959. 510 p. (MIRA 12:5)

(Hydroelectric power)

KRITSKIY, S.N.; MENKEL', M.F.

Calculation of long-term regulation of stream flow considering the correlation of the flow of consecutive years. Probl. reg.rech.stoka no.8:5-36 '59. (MIRA 13:4)  
(Reservoirs)

KRITSKIY, S.N.; MENKEL', M.F.

A survey of French periodical literature on the calculation  
of hydroelectric power station reservoirs. Probl.reg.rech.  
stoka no.8:257-265 '59. (MIRA 13:4)  
(France--Hydraulic engineering)  
(Reservoirs)



KRITSKIY, S.N.; MENKEL', M.F.

Concerning P.Moran's article "A probability theory of dams  
and storage systems." Probl.reg.rech.stoka no.8:266-271  
'59. (MIRA 13:4)

(Reservoirs) (Moran, P.)

FEDOROV, L.T., kand.tekhn.nauk; LEONT'YEVSKIY, B.B.; GIL'DENBLAT, Ya.D.,  
kand.tekhn.nauk; KOHENISTOV, D.V.; ROSSINSKIY, K.I., kand.tekhn.  
nauk; KUZ'MIN, I.A., kand.tekhn.nauk; KONDRATSKAYA, A.A., inzh.;  
NISAR-MUKHAMEDOVA, G.N., inzh.; PANOVA, G.M., inzh.; ROZHDESTVENSKIY,  
G.L., inzh.; SEMIKOLENOV, A.S., inzh.; TSAREVSKIY, S.V., inzh.;  
ZHUKOVA, M.F., inzh.; GRISHIN, M.M., retsentsent; KRITSKIY, S.N.,  
doktor tekhn.nauk, red.; MENKEL', M.F., doktor tekhn.nauk, red.;  
GALAKTIONOV, V.D., kand.geol.-min.nauk, red.; ZAVALISHIN, I.S., inzh.,  
red.; MALYSHEV, N.A., inzh., red.; MIKHAYLOV, A.V., doktor tekhn.  
nauk, red.; PETROV, G.D., inzh., red.; RAPOPORT, Ya.D., red.; RUSSO,  
G.A., kand.tekhn.nauk, glavnyy red.; SEVAST'YANOV, V.I., inzh., red.;  
TITOV, S.V., inzh., red.; TISTROVA, O.N., red.; LARIONOV, G.Ye.,  
tekhn.red.

[Hydrology and water economy of the Volga-Don] Gidrologiia i vodnoe  
knoziaistvo Volgo-Dona. Pod red. S.N.Kritskogo i M.F.Menkelis,  
Moskva, Gos.energ.izd-vo, 1960. 146 p. (MIRA 13:11)

1. Moscow. Vsesoyuznyy proyektno-isyskatel'skiy i nauchno-issledo-  
vatel'skiy institut "Gidroproyekt" imeni S.Ya.Zhuk. 2. Deyatvitel'-  
nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin).  
(Don River--Water resources development)

FEDOROV, N.N., kand.tekhn.nauk; POPOV, I.V., kand.geogr.nauk; BORSUK, O.N.,  
kand.geogr.nauk; GRUSHKOVSKIY, M.S., kand.tekhn.nauk; VELIKANOV,  
M.A., prof., doktor tekhn.nauk, red.(Moskva); URYVAEV, V.A., otv.  
red.; ALKIN, O.A., red.; BLIZNYAK, Ye.V., red. [deceased];  
BORSUK, O.N., red.; DAVIDOV, L.K., red.; DOMANITSKIY, A.P., red.;  
KALININ, G.P., red.; KRITSKIY, S.N., red.; KUDELIN, B.I., red.;  
MANOIM, L.F., red.; ~~MANOIM~~, M.F., red.; ORLOV, B.P., red.;  
PROSKURIYAKOV, A.K., red.; SOKOLOVSKIY, D.L., red.; SPENGLER, O.A.,  
red.; CHEBOTAREV, A.I., red.; CHERKOVSKIY, S.K., red.; SHATILINA,  
M.K., red.; VLADIMIROV, O.G., tekhn.red.

[Transactions of the Third All-Union Hydrological Congress] Trudy  
III Vsesoyuznogo gidrologicheskogo s'ezda. Vol.5. [Section of  
Hydrodynamics and River-Bed Evolution] Seksia gidrodinamiki i  
ruslovykh protsessov. 1960. 421 p.

(MIRA 13:11)

1. Vsesoyuznyy gidrologicheskii s'ezd. 3d, Leningrad, 1957.
2. Gosudarstvennyy gidrologicheskii institut (for Fedorov, Popov).
3. Chlen-korrespondent AN SSSR (for Velikanov).  
(Hydrology--Congresses)

KRITSKIY, S.H., doktor tekhn.nauk; MENDEL', M.F., doktor tekhn.nauk

Defining more precisely the norms and technical conditions for  
the calculation of maximum discharges in the design of hydraulic  
structures on rivers. Trudy Hidroproekta no.4:9-23 '60.

(MIRA 15:2)

(Hydraulic engineering)

KRITSKIY, S.N., doktor tekhn.nauk; LESKOV, G.A., inzh.

Plotting calculated flood hydrographs. Trudy Gidroproekta  
no.4:48-54 '60. (MIRA 15:2)

(Ob' River--Hydrography)

S/050/60/000/05/08/020  
B007/B014

AUTHORS: Kritskiy, S. N., Menkel', M. F.

TITLE: On the Estimation of the Probabilities of Excess Maximum  
Water Deliveries in Rivers Fed by High Waters of Different  
Origins

PERIODICAL: Meteorologiya i gidrologiya, 1960, No. 5, pp. 34-36

TEXT: In many rivers, high water is at times caused by the snow melt, and at other times, by heavy rainfalls. The following paradox arises from calculations made at home and abroad (Ref. 2): in the range of rarely reoccurring maxima, the probability curve drawn after the rain course is higher than the curve of the highest maxima during the year (maxima due to snow melts or rainfalls, respectively). This paradoxical situation is explained here, and a calculation procedure satisfying the nature of objective phenomena is shown. When setting up the curves, the parameters of the three curves (of water amounts caused by snow melts, such caused by rainfalls, and the curve of the yearly maximum amounts) are estimated on the basis of data available. The third parameter, the coefficient of

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On the Estimation of the Probabilities of  
Excess Maximum Water Deliveries in Rivers Fed  
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asymmetry, however, is assumed on the strength of general considerations. Its values are assumed for the common curve and do not correspond to the distribution laws of each individual high water type. This gives rise to the mentioned discordance which can be eliminated by a proper selection of the coefficient of asymmetry. The correct procedure is illustrated by the diagram in Fig. 1. This diagram contains the probability curves for each of the high water types. It is assumed in this connection that there be no statistic relation between the two high water types observed during the same year. The formula from paper (Ref. 1) is written down. It is possible by this formula to set up a curve of the yearly maxima, based on the given probability curves of the maximum water deliveries of each of the high water types. In the upper part of the diagram, this curve forms, so to speak, an envelope for the curves of the two high water types. In the range of low probabilities of an excess in the maximum water deliveries it practically coincides with the curve giving the higher values of the very rare peaks. Usually, the rain maxima fluctuate less, from one year to another, than is the case with the snow maxima. Therefore, the upper branch of the common probability curve approaches the

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by High Waters of Different Origins

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corresponding branch of the rain-peak curve. For an illustration of the  
foregoing, the example shown in the Fig. is given in all details.  
There are 1 figure, 1 table, and 2 references, 1 of which is Soviet.



Card 3/3



SHEYMAN, L.B., inzh.; KRITSKIY, S.N., doktor tekhn.nauk

"Engineering hydrology" by G. Régnieras [in French]. Reviewed  
by L.B. Sheinman, S.N. Kritskii. Gidr. stroi. 31 no.9:3 of cover  
S '61. (MIRA 14:12)

(Hydrology)  
(Régnieras, G.)

KRITSKIY, S.N., doktor tekhn.nauk; MENKEL', M.F., doktor tekhn.nauk

Method of technical and economic comparisons. Gidr.stroi. 32  
no.4:10-42 Ap '62. (MIRA 15:4)  
(Hydroelectric power stations)

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; GINZBURG, S.Z.; BELYAKOV, A.A.;  
ERISTOV, V.S.; VOZNESENSKIY, A.N.; IVANTSOV, N.M.;  
BOROVOY, A.A.; TERMAN, I.A.; ALEKSANDROV, B.K.;  
YURINOV, D.M.; NOSOV, R.P.; MIKHAYLOV, A.V.; NICHIPOROVICH, A.A.;  
ABELEV, A.S.; PROSKURYAKOV, B.V.; MENKEL', M.F.; KRITSKIY, S.N.;  
BELYI, L.D.

Mikhail Evgen'evich Knorre. Gidr. stroi. 32 no.5: My '62.  
(MIRA 15:5)  
(Knorre, Mikhail Evgen'evich, 1876-1962)

KRITSKIY, S.N., doktor tekhn. nauk; MENKEL', M.F., doktor tekhn. nauk

Water level fluctuations of closed inland seas and lakes.

Meteor i gidrol. no. 32-36 JI '64 (MIRA 17:8)

1. Sovet po izucheniyu proizvoditel'nykh sil pro Gosplane  
SSSR.

KRINSKIY, V. F.

"Modulus Proportions." Cand Arch Sci, Moscow Architectural Inst, Moscow,  
1955. (IL, No 12, Mar 55)

So: Sum. o 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (15)

AVERCHENKOV, A.P., inzh.; KRITSKIY, V.G., inzh.; MYZDRIKOV, Yu.A., inzh.

Improving boring and blasting at quarries. Stroi. mat. 9 no.2:7-10  
(MIRA 16:2)

F '63.  
(Boring)

(Blasting)

(Quarries and quarrying)

~~KRITSKIY, V.I., insb.~~

Nickel plating of used screws without preliminary grinding of  
heads. Mash. Bel. no. 4:142-143 '57. (MIRA 11:9)  
(Nickel plating)

BUZUNOV, I.A., dots.; GRIBANOV, I.I., dots.; IVANOV, A.I., prof.  
[deceased]; MASLOV, M.I., dots.; RACHINSKIY, A.A., dots.;  
TROITSKIY, A.A., dots.; TROITSKIY, A.V., prof.; KHORST, G.O.,  
dots.; BEN'YAMINOVICH, E.M., retsenzent; KRITSKIY, V.M.,  
retsenzent; POYARKOV, V.F., retsenzent; BATURIN, S.I., spets.  
red.; TIKHONOVA, I., red.; BAKHTIYAROV, A., tekhn. red.

[Manual for hydraulic and irrigation engineers] Spravochnik  
gidrotekhnika-irrigatora. [By] I.A.Buzunov i dr. Tashkent,  
Gosizdat UzSSR. Pt.1. 1962. 442 p. (MIRA 16:7)  
(Hydraulic engineering) (Irrigation)



KRITSKIY, V.N.

Late results of streptomycin treatment of tuberculous meningitis in children. Probl.tub. 34 no.5:33-37 S-O '56. (MIRA 10:11)

1. In Grafskogo detskogo tuberkuleznogo sanatoriya (glavnyy vrach V.N.Kritskiy, nauchnyy rukovoditel' - prof. L.D.Shteynberg) Voronezhskogo obl'stravotdela (sav. I.P.Furmenko)

(TUBERCULOSIS, MENINGITIS, in inf. and child  
ther., streptomycin, remote results)  
(STREPTOMYCIN, ther. use  
tuberc., meningeal in child., remote results)

~~SECRET~~  
KRITSKIY, V.N.

Relapses in tubercular meningitis in children [with summary in English]. *Pediatrics* 36 no.1:34-40 Ja '58. (MIRA 11:2)

1. Iz Grafskogo detskogo tuberkuleznogo sanatoriya (glavnyy vrach V.N.Kritskiy) Voronezhskogo oblastravotdela (zav. I.P.Furmenko)  
(MENINGES--TUBERCULOSIS) (CHILDREN--DISEASES)

KRITSKIY, V.N.

On the problem of familial osteoarticular tuberculosis. Probl.  
tub. 38 no.8:88-89 '60. (MIRA 14:1)

1. Iz Grafskogo detakogo tuberkuleznogo sanatoriya (glavnyy vrach  
V.N. Kritskiy) Voronezhskogo obl'mdravotdela (zav. I.P. Furmenko).  
(BONES—TUBERCULOSIS)

KRITSKIY, V.N.

Results of 10 years of observations on children convalescent  
from tuberculous meningitis. Probl.tub. no.5:29-34 '61. (MIRA 15:1)

1. Iz Grafskogo detskogo tuberkuleznogo sanatoriya (glavnyy vrach  
V.N. Kritskiy) Voronezhskogo obl'dravitdela (zav. I.P. Furmenko).  
(MENINGES--TUBERCULOSIS)

KRITSKIY, V.N., glavnyy vrach

Nutrition for tuberculosis children. Med. sestra 20 no.9:32-38  
S '61. (MIRA 14:10)

1. Iz Grafskogo detskogo tuberkuleznogo sanatoriya Voronezhskogo  
oblzdravotdela. (CHILDREN--NUTRITION) (TUBERCULOSIS)

KRITSKIY, V.N.

Exercise therapy in the compound sanatorium treatment of pulmonary tuberculosis in children. Med.sestra 21 no.8:16-20 Ag '62.  
(MIRA 15:9)

1. Glavnyy vrach Grafskogo detskogo protivotuberkuleznogo sanatoriya Voronezhskogo oblastnogo otdela zdravookhraneniya.  
(EXERCISE THERAPY) (TUBERCULOSIS)

КРИТСКИЙ, Владимир Викторович, 1888-

KRITSKII, Vladimir Viktorovich, 1888- A short course in mineralogy, crystallography, and petrography. Izd. 4., dop. i perer. Moskva, Ugletozhizdat, 1946. (48-26030)

QE365.K75 1946

КРИСКИИ, Владимир Викторович, 1888-

KRISKII, Vladimir Viktorovich, 1888- A short course in mineralogy and petrography and basic data on crystallography. Izd. 5., perer. i dop. Moskva, Uglotekhnizdat, 1949. 266 p. (50-56667).

QE365.K75 1949

Kratkii kurs mineralogii i... 1949 (Card 2, 50-56667)

1. Mineralogy. 2. Crystallography. 3. Petrology. I. Chetverikov, Sergei Dmitrievich, 1888-



10047

KRITSKIY, Vladimir Viktorovich, dotsent; CHETVERIKOV, S.D., dotsent.

[Short course in mineralogy and petrography with basic principles of crystallography] Kratkii kurs mineralogii i petrografii s nachal'nymi svedeniami po kristallografii. Uvershdeno v kachestve ucheb. posobia dlia uchashchikhsia gornyykh tekhnikov. Izd. 6., perer. i dop. Moskva, Ugletekhizdat, 1953. 275 p. (MLRA 7:5)

1. Moskovskiy gosudarstvennyy universitet (for Chetverikov). (Mineralogy) (Petrology) (Crystallography)

N/S  
622.1  
.K91  
1955

Kratkiy kurs mineralogii i petrografii s nachod'nymi svedeniyami po  
kristallografii (Concise course of mineralogy and petrography with basic  
information concerning crystallography, by) V. V. Kritskiy (i) S. D.  
Chetverikov. Izd. 7, per. 1 dop. Moskva,  
Uchletekhizdat, 1955.  
279 p. illus., diagrs., tables.  
Literaturny: p. 270-(271)

L 38184-66

ACC NR: AP6013816

(N)

SOURCE CODE: UR/0066/65/000/006/0005/0008

AUTHOR: Kritskiy, Ye. D.; Slyusarenko, V. I.; Kuznetsov, D. A.; Getmanets, A. I.

ORG: none

TITLE: Klimat-4 ship air conditioner

SOURCE: Kholodil'naya tekhnika, no. 6, 1965, 5-8

TOPIC TAGS: air conditioning equipment, refrigeration equipment

ABSTRACT: The Klimat-4 air conditioner is designed for year-round operation on vessels not equipped with central air conditioning systems. It controls both temperature and relative humidity and can move 1500 m<sup>3</sup> of air an hour. The Klimat-4 consists of a cooling unit, air heater, humidifier, fan, and automatic regulator system; freon-22 is used as a coolant. A detailed breakdown of the technical parameters and a description of each component of the air conditioner are given. It is recommended for use on ships and in hospitals, kindergartens, cafes, and restaurants. Orig. art. has: 2 figures, 2 tables.

SUB CODE: 13/      SUBM DATE: none

UDC: 628.83 : 629.12

Card 1/1    vmb

E 33058-66 EWT(I)/EWP(e)/EWT(m)/EWT(f)/T-> LW/WH

ACC NR: AP6024076

SOURCE CODE: UR/0066/66/000/002/0010/0018

AUTHOR: Mel'nichenko, L. G. (Docent); Truskov, P. F. (Candidate of technical sciences); Kritskiy, Ye. D.

55  
B

ORG: none

TITLE: Method and results of investigation of wear of materials for bearings in sealed cooling compressors 23

SOURCE: Kholodil'naya tekhnika, no. 2, 1966, 10-18

TOPIC TAGS: cryogenic fluid compressor, ball bearing, bearing material, wear resistant alloy, corrosion resistant alloy, bronze/BrSuN-7-2 bronze, BrOF-10-1 bronze

ABSTRACT: Experimental results presented here on bearing material wear agree well with experience of seizure on the job. As a result of experiments performed under varying conditions, the authors conclude that: the resistance to seizure and wear of the materials investigated in a freon-22 medium is considerably poorer than in the air. The highest seizure resistance and greatest wear stability at load pressures up to 100 kg/cm<sup>2</sup> was exhibited by bronze alloy BrSuN-7-2. This alloy has lower strength than lead bronze type BrOF-10-1, however. With the same load levels, bronze-graphites have much poorer anticorrosion qualities. The most promising metal for operation in freon compressors is therefore BrSuN-7-2. Orig. art. has: 5 figures and 2 tables.

SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 014

[JPRS]

Card 1/1 *du*

UDC: 621.57.041:621.822

0815

17.47

LOKONOV, M.F., kand.tekhn.nauk; KRITSKIY, Ye.L., inzhener; ROZHKOVA, K.V.

"Automation and control of processes in concentration and hydro-  
metallurgy" by I.L.Koval'skii, B.V.Nevskii. Reviewed by  
M.F.Lokonov, E.L.Kritskii, K.V.Rozhkov. TSvet.met. 26 no.4:68-72  
Jl-Ag '53. (MIRA 10:10)

(Metallurgy) (Ore dressing) (Automatic control)  
(Koval'skii, I.L.) (Nevskii, B.V.)

KRITSKIY, Ye., inzhener

Control device for protecting crushing machinery from metal scraps.  
Stroi.mat., isdel. i konstr. 1 no.7:22-24 J1'55. (MIRA 8:11)  
(Crushing machinery)

**KRITSKIY, Ye.L., inzhener**

Device for the control and registration of the circulating load in a  
crushing mill. Gor.shur. no.6:54-59 Je '55. (MIRA 8:8)  
(Crushing machinery) (Automatic control)

*Kritskiy, Ye. L.*

137-1957-12-22985

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 19 (USSR)

AUTHOR: Kritskiy, Ye. L.

TITLE: Problems of the Comprehensive Automation and the Prerequisites for the Complete Automation of Concentration Plants (Zadachi kompleksnoy i predposylki polnoy avtomatizatsii obogatitel'nykh fabrik)

PERIODICAL: Obogashcheniye rud, 1956, Nr 6, pp 1-6

ABSTRACT: The comprehensive automation (CA) of concentration plants requires the simultaneous employment of all known systems of automation in order to guarantee the greatest reduction in the number of service personnel, increase the efficiency of the installation, improve processing techniques, and ensure more sanitary working conditions. CA may be regarded as the first step in the transition to the completely automated concentration plant. To solve the problems presented by CA, a great amount of work will be needed, both with regard to material and technical preparation, in order to provide the designated installation with units for automatic regulation and control. The procedure for the introduction

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137-1957-12-22985

Problems of the Comprehensive Automation (contd).

of CA is given. Author recommends that serious attention be paid to the automation of crushers.

A. Sh.

1. Metallurgy-USSR
2. Industry-Automation

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14(5)

SOV/112-59-5-9631

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 169 (USSR)

AUTHOR: Shteyn, S. A., Fershtenfel'd, A. A., Mednis, E. F., and  
Kritskiy, Ye. L.

TITLE: Comparative Tests of Various Methods of Automatic Control for Ball Mills

PERIODICAL: Obogashcheniye rud, 1957, Nr 6, pp 55-66

ABSTRACT: Three methods of automatic control of mill operation were tested at the Noril'sk concentrating plant: constant weight of feed, constant noise, and constant circulating load; the tests were conducted from January, 1956, to April, 1957. A short description and a comparison of the above control methods are given. Seventeen illustrations.

A.A.S.

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KRITSKIY, Ye.L.

Apparatuses and equipment for the protection of crushing machinery  
from metallic inclusions; metal detectors. Opoz. rud 3 no.1:  
64-71 '58. (MIRA 11:10)  
(Crushing machinery) (Magnets) (Automatic control)

AUTHOR: Lokonov, M.F.

SOV/136-58-10-23/27

TITLE: The Fourth Scientific-technical Session of the Mekhanobr Institute (Chetvertaya nauchno-tehnicheskaya sessiya instituta Mekhanobr)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 10, pp 92 - 95 (USSR)

ABSTRACT: On July 15-18, 1958, the fourth scientific and technical session of the Mekhanobr Institute was held in Leningrad. It was attended by about 300 representatives from scientific and design institutes, industry and political bodies. The session began with surveys of the work of the Institute since the third session in 1954 by Professor O.S. Bogdanov, G.A. Finkel'shteyn and A.B. Patkovskiy. The session then heard and discussed the following: by Ye.L. Kritskiy (Mekhanobr) on the development of a sound-measurement method of regulating ball-mill operation; by A.I. Povarov and M.G. Zabiroy (Mekhanobr) on the automatic maintenance of constant hydrocyclone sands-density; by I.I. Blekhan (Mekhanobr) on the selection of the main operating parameters of vibration machines; by I.M. Abramovich (deceased) and R.V. Yevsiovich (Mekhanobr) on the development of a new industrial model of a three-level

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The Fourth Scientific-technical Session of the Mekhanobr Institute

concentrating table with 20 m<sup>2</sup> of total deck area; by G.A. Finkel'shteyn (Mekhanobr) on increasing the wear-resistance of beneficiation equipment particularly by rubberising; by G.A. Sedova (Giprotsvetmet) on the uncertainty of the need to automate beneficiation works; by A.M. Pogosov (VNIITsvetmet) on new equations for calculating the grindability of ores and productivity of ball mills; by A.K. Kuzovlev (Sredne-Aziatskiy institut geologii i mineral'nogo syr'ya - Central Asian Geological and Mineral Raw Materials Institute) on tests of a new type of turbocyclone; by V.I. Lutsenko (Gorno-metallurgicheskiy institut Armyanskogo sovnarkhoza - Mining-metallurgical Institute of the Armenian Economic Council) on measures to improve a type "Mekhanobr-6" flotation machine at the Kadzharon Works; by V.R. Kubachek (UZTM) on modernisation of crushing and grinding equipment; by S.I. Gorlovskiy on the work of the Mekhanobr Institute on collectors and flotation modifiers; by I.N. Maslennitskiy and V.V. Dolivo-Dobrovol'skiy (Mekhanobr) on the rendering harmless of waste water from beneficiation plants; by I.S. Shitov (Mine Management of the Magnitogorskiy metallurgicheskiy kombinat - Magnitogorsk

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SOV/136-58-10-23/27

The Fourth Scientific-technical Session of the Mekhanobr Institute

Metallurgical Combine) on the slowness of Mekhanobr in certain fields; by A.A. Kalmykov (Noril'sk) on the incomplete utilisation of Noril'sk ores and changes in the flowsheet at the Noril'sk Beneficiation Works; by V.I. Saprykin (El'brus Mine) on the need for Mekhanobr to participate in the work on the utilisation of Suriysk deposit ores and accelerate their work in other fields; by B.M. Berdnikov (Tekeliyskaya obogatitel'naya fabrika - Tekeli Beneficiation Works) on the shortcomings of the Mekhanobr designs for the works; by V.A. Binkevich (Dnepropetrovskiy sovnarkhoz - Dnepropetrovsk Economic Council) on difficulties in the region in ore beneficiation; by O.S. Bogdanov, A.K. Podnek and V.Ya. Khaynman (Mekhanobr) on the kinetics of the action of flotation reagents; by V.Ya. Khaynman (Mekhanobr) on an investigation of the mechanism of the action of cyanides and complex cyanide compounds of ferri- and ferrocyanides; by S.D. Sukhovol'skaya (Mekhanobr) on factors producing depression of minerals; by N.Ya. Yanis (Mekhanobr) on the investigation of various flotation modifiers for non-sulphide minerals with the aid of radioactive isotopes; by I.N. Shorsher

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The Fourth Scientific-technical Session of the <sup>SOV/136-58-10-23/27</sup>Mekhanobr Institute

(Mekhanobr) on the flotational separation of collective molybdenite-containing ores; Ye. I. Vishnevskiy and S.L. Gekhtman (Mekhanobr) on the beneficiation of cassiterite-containing ores; by N.K. Nikol'skiy, I.P. Kell', Yu.O. Tennison and Yu.N. Chepelkin (Mekhanobr) on the determination of the residual sulphur-ion concentration in the pulp with the aid of a silver-sulphide electrode; by A.S. Konev and K.G. Bakinov on the technology of separating lead-copper concentrate by depressing galenite with iron sulphate and sulphite and flotation of the copper minerals; by G.S. Strel'tsyn on the special features of flotation of perovskite ores at the Afrikanda Beneficiation Works; by I.N. Maslenitskiy and P.M. Perlov on the present state of the autoclave-soda process of treating tungsten-ore beneficiation products in the USSR; by V.I. Konstantinov (Mekhanobr) on layout at some of the largest Soviet beneficiation works; by M.S. Tevonyan (Kavkazskiy institut mineral'nogo syr'ya) on the successful experiments on the separation of a lead-copper concentrate with potassium permanganate; by V.A. Lisichenko (Kavkaz Institute of Raw Materials) on a study of the flotational reaction between

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a mineral particle and an air bubble; by Professor I.A. Kakovskiy (Uralmekhanobr) on the influence of the surface state on the electrical separation of low-conductivity minerals; by Professor V.I. Klassen (IGD AN SSSR) on the vacuum flotation of particles smaller than 10  $\mu$ ; by F.I. Nagirnyak (Uralmekhanobr) on the complex utilisation of low-grade copper-zinc ores; V.P. Sokolov (Sredneaziatskiy NII geologii i mineral'nogo syr'ya - Central NII of Geology and Mineral Raw Materials) on the beneficiation of boron-containing ores; Docent P.P. Titov on the use of radiant energy to improve the flotability of minerals; Professor K.A. Razumov (Leningradskiy gornyy institut - Leningrad Mining Institute); B.G. Krangachev (Armgirotsvetmet) on some shortcomings of Mekhanobr; Ye.N. Grivezirskaya (Balkhash Copper Works) on Mekhanobr recommendations for that works; M.Z. Valyayeva (VNIITsvetmet) on the work of that organisation in Altay Beneficiation Works; by Professor S.I. Mitrofanov (Gintsvetmet) on sorption and the depressing action of reagents; V.A. Rundkvist (Mekhanobr) on the Mekhanobr designs for the Tekeli Works;

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Professor M.A. Eygeles (VIMS) on errors in N.A. Yanis' work; by I.P. Plaksin, Corresponding Member of the Ac.Sc.USSR, on some of the reports presented.

At the concluding plenary session, V.F. Fedorov (GNTK USSR) discussed the requirements in beneficitation for the future and the part to be played by Mekhanobr. The following participated in the discussions: A.A. Kalmykov (Noril'sk Combine), V.A. Olevskiy (Mekhanobr), I.S. Shitov (Magnitogorsk Metallurgical Combine).

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KRITSKIY, Ye.I.

Consumption control of the water fed to a classifier with a closed  
comminution circuit. Obog. rud 4 no.2:37-39 '59. (MIRA 14:8)  
(Crushing machinery) (Automatic control)

KRITSKIY, Ye.L.; MINSTER, M.N.

The MT6 transistor metal detector. *Biul.tekh.-ekon.inform.Gos.nauch.-  
issl.inst.nauch. i tekhn.inform. no.8:47-48 '62.* (MIRA 15:7)  
(Electronic instruments)

KRITSKIY, Ye.L.; MINSTER, M.N.

Universal "ASDET" metal detector. Obeg. rud 7 no.3:60-63 '62.  
(MIRA 16:4)  
(Sweden--Metal detectors)