

ALEKSEYCHIK, S.N.; GAL'TSEV-BEZYUK, S.D.; KOVAL'CHUK, V.S.; SYCHEV, P.M.;
NEVEL'SHTEYN, V.I., vedushchiy red.; KOZYREV, V.D., red.; YASH-
CHURZHINSKAYA, A.B., tekhn.red.

[The tectonics, history of geological development, and prospects
for finding oil and gas in Sakhalin.] Tektonika, istoriia geolo-
gicheskogo razvitiia i perspektivy neftegazoposnosti Sakhalina.
Leningrad, Gostoptekhizdat, 1963. 274 p. (Leningrad. Vsesoiuz-
nyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi insti-
tut. Trudy, no.217). (MIRA 17:2)

GAL'TSEV-BEZYUK, S.D.

Ultrabasites of Sakhalin. Trudy VNIGRI no.224:147-159 '63.

Granitoids of Sakhalin. Ibid.:160-181

(MIRA 17:2)

GAL'TSEV-BEZYUK, S.D.

Junction of Sakhalin with the mainland and Hokkaido Island in the Quaternary period. Izv. AN SSSR. Ser. geog. no.1:56-62 Ja-F '64.
(MIRA 17:3)

1. Sakhalinskoye otdeleniye Vsesoyuznogo neftyanogo geologo-razvedochnogo instituta (VNIGRI).

GALITSEV-BEZYUK, S. D.

Submarine valleys of the northeastern coast of Sakhalin. Izv
Vses geog ob-va 96 no. 1:49-54 Ja-F '64. (MIRA 17:5)

GAL'TSEV-BEZYUK, S.D.

[Illegible text]

[Illegible text] 165.
(MERA 18:8)
[Illegible text]
[Illegible text] (NIGRI), [Illegible text].

GAL'TSEV-BEZYUK, S.D.; SGILOV'YEV, V.V.

Role of disjunctive dislocations in the formation of the
relief of Sakhalin. Dokl. po geomorf. i paleogeog. Dal'n.
Vost. no.1:24-33 '64. (MIRA 19:1)

GAL'TSEVA, G.F.

Cicatricial stenosis of the pylorus following a chemical burn in children. Sov. zdrav. Kir. no.2:60 Mr-Ap '62. (MIRA 15:5)

1. Iz khirurgicheskogo otdeleniya Kirgizskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva (direktor - A.A. Il'in).
(PYLORIC STENOSIS)

SPL 7 20 46
SUBJECT: USSR/Geography

25-6-39/46

AUTHOR: Gal'tseva, P.G.

TITLE: At the Map of the World (U karty mira)

PERIODICAL: Nauka i Zhizn' - June 1957, # 6, pp 60-61 (USSR)

ABSTRACT: This is a critical review of a geographical brochure series named "U karty mira", published by the State Publishing House of Geographic Literature. Each brochure deals with one country, its economy, political system, history, population, and culture. The issues are profusely illustrated and not expensive. While the articles in these brochures are well written when dealing with geography, history and travels, those about the political system of a country and its economy remind one of reference manuals due to the abundance of statistical facts. This, according to the author, is the only deficiency of the series that is well liked by the readers.

The article contains 9 pictures.

Card 1/2

TITLE: At the Map of the World (U karty mira)

25-6-39/46

GAL'TSEVA, T.V.

Book about natural conditions in Czechoslovakia. Geog. i khoz.
no.1:64-65 '58. (MIRA 12:1)
(Czechoslovakia---Physical geography)

AUTHOR: Gal'tseva, T.V.

26-58-6-19/56

TITLE: Investigation and Utilization of Water Resources in Czechoslovakia (Izucheniye i ispol'zovaniye vodnykh resursov v Chekhoslovakii)

PERIODICAL: Priroda, 1958, Nr 6, p 31-84 (USSR)

ABSTRACT: Czechoslovakia is a great water consumer, due to its highly developed industry and dense population. The main resources are rivers (shallow with a widely fluctuating level). For this reason, the construction of reservoirs is the most important problem. At present there are 15 reservoirs under construction with a total capacity of 1.6 billion cu m. Another 17 reservoirs will be built within the next 20 years. Regulation of the river beds and fortification of the banks are of vital importance. An extensive irrigation system is also under consideration. Since many of the rivers are polluted by waste water from industrial plants, water purification problems have to be solved and better cleaning methods used. Czechoslovakia's expert hydrologist, Academician Ya. Smetana of the Central Scientific Research Institute of Water Economy of the Czechoslovakian Academy of Sciences, is responsible for the development of the entire water system of the country. Professor

Card 1/2

26-58-6-19/56

Investigation and Utilization of Water Resources in Czechoslovakia

O. Dub of the Slovak Academy of Sciences has the same responsibilities covering Slovakia.
There is 1 map, 1 table and 1 Czech reference.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova
(Moscow State University imeni M.V. Lomonosov)

Card 2/2

1. ~~Water-Resources-Czechoslovakia~~

DAVIDOV, R.B., doktor tekhn. nauk, prof.; GAL'TSEVA, V.P., mladshiy
nauchnyy sotrudnik

Factors influencing the sulfur content in cow's milk. Izv.
TSKHA no.1:209-216 '63. (MIRA 16:7)

(Milk--Composition) (Sulfur)

DAVIDOV, R.B., prof., doktor tekhn. nauk; ber. 1954 g. Staryiy nauchnyy
sotrudnik, kandyd. sel'skokhozn. nauk

Productivity of cows and quality of milk when using synthetic substitu-
tutes for forage proteins. Izv. TSKHA no. 4: 177-190 (1964)

(MIRA 17-11)

1. Kafedra molochnogo dela Sel'skokhozyaystvennoy akademii imeni
Timiryazeva.

GAL'TSON, A., and CHUBUKOV, L.

"Meteorology for Pilots." 1941. Moskva.

5

GAL'TSOV, A.

Classification of time study methods. Sots.trud 4 no.7:72-81
Jl '60. (MIRA 13:8)
(Time study)

И. И. ВОРОНКОВ
VORONKOV, Ivan Ivanovich; ROZENBERG, I.A., kandidat ekonomicheskikh nauk,
redaktor; GAL'TSHV, A.D., retsenzent; DUGINA, N.A., tekhnicheskii
redaktor

[Work organization and wages in machine building plants] Organi-
zatsiia truda i zarabotnoi platy na mashinostroitel'nom zavode.
Moskva, Gos.nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1955.
214 p. (MIRA 9:1)

(Machinery industry)

GAL'TSOV, A.D.

SERGEYEV, A.V.; VOL'SKIY, V.S., inzhener, retsenzent; AKSARIN, D.I.
inzhener, retsenzent; GAL'TSOV, A.D., inzhener, redaktor;
SAKSAGANSKIY, T.D., redaktor; BOGOLYUBOVA, I.Yu., redaktor;
TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Technical norms in machine-shops] Tekhnicheskoe normirovanie v
mekhanicheskikh tsekhakh. Izd.2-e, perer. i dop.Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 231 p.(MLRA 8:11)
(Machine-shop practice)

GAL'TSOV, Aleksey Dmitriyevich; TYAGAY, Ye., redaktor; MIKHIN, Yu.,
tehnicheskii redaktor

[Technical norms for labor in industrial enterprises] Tekhni-
cheskoe normirovanie truda na promyshlennom predpriatii. Mo-
skva, Gos.izd-vo polit.lit-ry, 1956. 85 p. (MIRA 9:3)
(Labor productivity)

GAL'TSOV, Aleksey Dmitriyevich; SUKHAREVA, R.A., tekhn.red.

GAL'TSOV, Aleksey Dmitriyevich; SUKHAREVA, R.A., tekhn.red.

[Calculations in the regularization of work standards and wages;
a practical guide] Raschyty po uporiadocheniiu normirovaniia truda
i zarabotnoi platy rabochikh; metodika. Moskva, Mosk.dom nauchno-
tekhn.propagandy in.F.B.Dzershinskogo, 1957. 31 p. (MIRA 10:12)
(Wages) (Productivity standards)

PHASE I BOOK EXPLOITATION 1120

Punskiy, Yakov Mironovich and Gal'tsov, Aleksey Dmitriyevich

Tekhnicheskoye normirovaniye truda na sotsialisticheskikh promyshlennykh predpriyatiyakh (Setting Technical Standards for Work in Socialist Industrial Establishments) [Moscow] Izd-vo VTsSPS profizdat, 1957. 156 p. 50,000 copies printed.

Ed.: Novospasskiy, V.V.; Tech. Ed.: Malek, Z.N.

PURPOSE: The book is intended for trade-union workers.

COVERAGE: This book describes the procedure of setting industrial time- and performance standards and discusses the methods of their introduction in Soviet industrial establishments. Information is also included on the manner of control and periodical review of existing standards. There are no references. No personalities are mentioned.

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Card 2/3			

Setting Technical Standards (Cont.) 1120

148

Ch. X. Review of Performance Standards

AVAILABLE: Library of Congress

JG/mfd
1-23-59

Card 3/3

MILLER, M.E., kandidat tekhnicheskikh nauk; GAL'TSOV, A.D., redaktor;
BILINKIS, M.S., inzhener, retsenzent; VAKHTANOV, Y.A., retsenzent;
SHUMILKIN, V.K., retsenzent; PARFOMENKO, K.V., redaktor; MATVEYEVA,
Ye.N., tekhnicheskii redaktor

[Setting technical norms in machine building] Tekhnicheskoe normiro-
vanie v mashinostroenii. Pod red. A.D.Gal'tsova. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 363 p. (MLRA 10:4)
(Machinery industry--Production standards)

GAL'TSOV, A.

Problems of standards and wages under the new conditions. Sots. trud
no.4:20-24 Ap '57. (MIRA 10:6)

1. Nachal'nik otdela truda i zarplaty Ministerstva mashinostroyeniya
SSSR.

(Production standards)

(Wages)

GAL'TSOV, A.

A uniform method for work norms. Sots. trud no.5:85-95 My '57.
(Production standards) (MLRA 10:6)

GULYAYEV, Georgiy Ivanovich; KABANOV, N.Ya.; LOSEV, A.G., inzh., retsenzent;
MIKHAYLOV, S.M., inzh., retsenzent; GAL'TSOV, A.D., inzh., red.;
BARYKOVA, G.I., red.izd-va; EL'KIND, V.D., tekhn.red.

[Suggestions for greater efficiency in mass and large-series
production] Ratsionalizatsiia trudovykh protsessov primenitel'no
k usloviyam massovogo i krupnoseriinogo proizvodstva. Izd.2.
Podgotovleno N.IA. Kabanovym. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1958. 126 p. (MIRA 12:3)
(Efficiency, Industrial)

ABRAMOV, V.A.; ALEKSEYEV, A.M.; AL'TER, L.B.; ARAKELYAN, A.A.; BAKLANOV, G.I.;
 BASOVA, I.A.; BLYUMIN, I.G.; BOGOMOLOV, O.T.; BOR, M.Z.; BRUGEL',
 E.Ya.; VYETSHAN, N.R.; VIKENT'YEV, A.I.; GAL'TSOV, A.D.; GERTSOVSKAYA,
 B.R.; GLADKOV, I.A.; DVORKIN, I.N.; DRAGILEV, M.S.; YEFIMOV, A.N.;
 ZHAMIN, V.A.; ZHUK, I.N.; ZANYATMIN, V.N.; IGNAT'YEV, D.I.; IL'IN,
 M.A.; IL'IN, S.S.; IOFFE, Ye.A.; KAYE, V.A.; KAMENITSER, S.Ye.;
 KATS, A.I.; KLIMOV, A.G.; KOZLOV, G.A.; KOLGANOV, M.V.; KONTCROVICH,
 V.G.; KRAYEV, M.A.; KRONROD, Ye.A.; LAKHMAN, I.L.; LIVANSKAYA, F.V.;
 LOGOVINSKAYA, R.L.; LYUBOSHITS, L.I.; MALYSH, A.I.; MENZHINSKIY,
 Ye.A.; MIKHAYLOVA, P.Ya.; MOISEYEV, M.I.; MOSEVIN, P.M.; NOTKIN,
 A.I.; PARTIGUL, S.P.; PERVUSHIN, S.P.; PETROV, A.I.; PETRUSHOV, A.M.;
 PODGORNOVA, V.M.; RABINOVICH, M.A.; RYVKIN, S.S.; RYNDINA, M.N.;
 SAKSAGANSKIY, T.D.; SAMSONOV, L.N.; SMEKHOV, B.M.; SOKOLIKHIN, S.I.;
 SOLLERTINSKAYA, Ye.I.; SUDARIKOV, A.A.; TATAR, S.K.; TEREENT'YEV,
 P.V.; TYAGAY, Ye.Ya.; FEYGIN, Ye.G.; FIGURNOV, P.K.; FRUMKIN, A.B.;
 TSYRLIN, L.M.; SHAMBERG, V.M.; SHAPIRO, A.I.; SHCHENKOV, S.A.;
 NYDEL'MAN, B.I.; MKHIN, P.E.; MITROFANOVA, S., red.; TROYANOVSKAYA, N.,
 tekhn.red.

[Concise dictionary of economics] Kratkii ekonomicheskii slovar'.
 Moskva, Gos.izd-vo polit.lit-ry, 1958. 391 p. (MIRA 11:7)
 (Economics--Dictionaries)

ZAKHAROV, Nikolay Nikolayevich; EPSHTEYN, D.I., dotsent, retsenzent;
GAL'TSOV, A.D., inzh.; METT, G.Ya., dotsent, red.; SEMENOVA, M.K.,
red.izd-va; UVAROVA, A.F., tekhn.red.

[Setting labor standards in the machinery industry] Tekhnicheskoe
normirovanie truda v mashinostroenii. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit.lit-ry, 1958. 560 p. (MIRA 12:2)
(Machinery industry--Production standards)

GALITSOV A D

MOLOTOK, A.V.; DMITRIYEV, A.I.; GORBATENKO, A.I.; SHAROYAN-SARENGLYAN, G.P.; MALAKHOV, P.Ye.; KRIVOUKHOV, V.A., doktor tekhn.nauk, red.; GRANOVSKIY, G.I., prof., doktor tekhn.nauk, red.; TRET'YAKOV, I.P., prof., doktor tekhn.nauk, red.; ALEKSEYEV, S.A., dotsent, red.; MALOV, A.N., dotsent, kand.tekhn.nauk, red.; SHAKHNAZAROV, M.M., dotsent, red.; VOL'SKIY, V.S., red.; GAL'TSOV, A.D., red.; KABANOV, N.Ya., red.; TOLCHENOV, T.V., red.; KHARITONOV, A.B., red.; KHISIN, R.I., red.; SHOR, M.I., red.; SEMENOVA, M.M., red. izd-va; EL'KIND, V.D., tekhn.red.

[Time norms in general machinery manufacturing for applying coats of lacquer; large, medium, and small scale production] Obshchemashinostroitel'nye normativy vremeni na lakokrasochnye pokrytiia; krupnoseriincoe, serincoe i melkoseriincoe proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 83 p. (MIRA 12:6)

1. Moscow. Nauchno-issledovatel'skiy institut truda. Tsentral'noye byuro promyshlennykh normativov po trudu. 2. Rabotniki otdela trudovykh normativov Nauchno-issledovatel'skogo instituta traktore-sel'khozmassha (for Molotok, Dmitriyev, Gorbatenko, Sharoyan-Sarinyulyan, Malakhov).

(Painting, Industrial) (Machinery industry)

GAL'TSOV, A.D.; DENISYUK, I.N.; LEVANDOVSKIY, S.N.; LOSEV, A.G.; PEZIK, M.O.; PETROCHENKO, P.F.; SAVOS'KIN, N.M.; TRUBITSKIY, G.R.; KHISIN, R.I.; KHROMILIN, V.A.; ALEKSEYEV, S.S., retsenzent; GAL'PERIN, L.I., retsenzent; GRANOVSKIY, Ye.N., retsenzent; ZAKHAROV, N.N., retsenzent; KVASHNIN, S.A., retsenzent; KEREKESH, V.V., retsenzent; KOTENKO, I.N., retsenzent; LIVSHITS, I.M., retsenzent; LERNER, G.V., retsenzent; NEVSKIY, B.A., retsenzent; NOVIKOV, V.F., retsenzent; RAZAMAT, E.S., retsenzent; SERGEYEV, A.V., retsenzent; STEFANOV, V.P., retsenzent; TOLCHENOV, T.V., retsenzent; FEDOTOV, F.G., retsenzent; VOL'SKIY, V.S., red.; STRUZHESTRAKH, Ye.I., red.; USPENSKIY, Ya.K., red.; SEMENOVA, M.M., red.izd-va; MODEL', B.I., tekhn.red.

[Handbook for work-norm experts in machine manufacture] Spravochnik normirovshchika-mashinostroitelia v 4 tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.1. [Fundamentals of technical normalization] Osnovy tekhnicheskogo normirovaniia. 1959. 676 p. (MIRA 12:12)

(Standardization)

~~GAL'TSOV, A.~~

Introduce overall improvements in the organization of labor in
industry. Sots.trud 4 no.1:56-59 Ja '59. (MIRA 12:2)
(Production standards)

GAL'TSOV, A.

From the practice of the Moscow Province Economic Council. Sots.
trud 4 no.6:115-116 Je '59. (MIRA 12:8)

1. Nachal'nik otдела truda i zarabotnoy platy Moskovskogo oblast-
nogo sovnarkhoza (for Gal'tsov).
(Moscow Province—Production standards)

GAL'TSOV, A.D., red.; RADAYEVA, Z.R., red. izd-va; EL'KIND, V.D., tekhn.
red.; SOKOLOVA, T.F., tekhn. red.

[Establishing consolidated norms in machinery manufacturing] Ugrup-
nennoe normirovanie v mashinostroenii. Pod red. A.D.Gal'tsova. Mo-
skva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 246 p.
(MIRA 14:8)

1. Moskovskiy dom nauchno-tekhnicheskoy propagandy imeni F.E.Dzer-
zhinskogo.

(Machinery industry--Production standards)

VINNIK, L.M.; GRINBERG, R.Ya.; KAMINSKIY, Ya.A.; KLEPIKOV, V.D.; KUZNETSOV, A.M.; KUCHENEV, N.I.; STRUZHESTRAKH, Ye.I.; TISHIN, S.D.; KHARITONOV, A.B.; TSEYTS, I.E.; SHAPIRO, I.I.; SHAPIRO, M.Ya.; ANAN'YAN, V.A., retsenzent; VASIL'YEV, D.T., retsenzent; GORETSKAYA, Z.D., retsenzent; KARTSEV, S.P., retsenzent; KEDROV, S.M., retsenzent; KOMISSARZHEVSKAYA, V.N., retsenzent; KOPERBAKH, B.L., retsenzent; KORBOV, M.M., retsenzent; LEONOV, N.I., retsenzent; LUR'YE, G.B., retsenzent; NOVIKOV, V.F., retsenzent; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.; KHISIN, R.I., red.; SEMENOVA, M.M., red. izd-va; MODEL', B.I., tekhn.red.

[Reference book for establishing norms in the manufacture of machinery; in 4 volumes] Spravochnik normirovshchikamashinostroitelia; v 4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.2. [Establishing technical norms for operating machine tools] Tekhnicheskoe normirovanie stanochnykh robot. Pod red. E.I.Struzhestrakha. 1961. 392 p.

(MIRA 14:8)

(Industrial management) (Machine tools)

GAL'TSOV, Aleksey Dmitriyevich; MIL'NER, B., red.; TYAGAY, Ye., red.;
TROYANOVSKAYA, N., tekhn. red.

[Principles of establishing technically based work norms in an
industrial enterprise] Osnovy tekhnicheskogo normirovaniya truda
na promyshlennom predpriyatii; uchebnoe posobie. Moskva, Gos.
izd-vo polit. lit-ry, 1961. 317 p. (MIRA 14:9)
(Production standards)

GAL'TSOV, Aleksey Dmitriyevich; POPOV, A.S., red.; KOROBOVA, N.D.,
tekhn. red.

[To the trade-union activist group on the establishment of
technical standards] Profsoiuznomu aktivu o tekhnicheskoy nor-
mirovani. Moskva, Profizdat, 1962. 61 p. (Bibliotekha prof-
soiuznogo aktivista, no.16(40)) (MIRA 15:8)
(Production standards)

ABRAM P.Ya.; ALEKSANDROVA, G.I.; VOL'SKIY, V.S.; GORDON, Kh.I.;
KLIMOVICH, A.I.; LIFSHITS, V.A.; FEDOTOV, F.G. [deceased];
AVKSENT'YEV, P.A., [retsenzent]; ZAKHAROV, N.N. [retsenzent];
KOCHANOV, M.I. [retsenzent]; LEKSASHOV, P.P. [retsenzent];
NOVIKOV, V.F. [retsenzent]; SOKOLOV, M.V. [retsenzent];
SHESTOPAL, V.M. [retsenzent]; YAKOBSON, M.O. [retsenzent];
GAL'TSOV, A.D., red.; STRUZHESTRAKH, Ye.I., red.; KHISIN, R.I.,
red.; SEMENOVA, M.M., red. izd-va; POCHTAREVA, A.V., red. izd-
va; TIKHANOV, A.Ya., tekhn. red.; MODEL', B.I., tekhn. red.

[Handbook for the establishment of norms in the machinery
industry in 4 volumes] Spravochnik normirovshchika-mashinostroi-
telia v 4 tomakh. Moskva, Mashgiz, Vol. 4. [Engineering norms
in auxiliary shops] Tekhnicheskoe normirovanie vo vspomogatel'-
nykh tsekhakh. 1962. 478 p. (MIRA 16:2)
(Machinery industry--Production standards)

ALEKSEYEV, S.A.; ZHMAKIN, D.F.; KEREKESH, V.V.; MALOV, A.N.;
MARTSINOVSKIY, P.L.; MOLOTOK, A.V.; NESMELOV, V.A.;
TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;
SOKHNOVSKIY, M.A., retsenzent; STEFANOV, V.F., retsenzent;
STOROZHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;
FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;
KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;
STRUZHESTRAKH, Ye.I., red.; SEMENOVA, M.M., red. izd-va; MODEL',
B.I., tekhn. red.

[Manual for the establishment of norms in the machinery industry
in 4 volumes] Spravochnik normirovshchika-mashinostroitelia v
4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-
ry. Vol.3. [Establishing norms for founding, stamping, welding,
painting, metal plating, and woodwork] Normirovanie liteinykh,
kuznechnykh, shtampovochnykh, svarochnykh, lakokrasochnykh ra-
bot, metallopokrytii i derevoobrabotki. 1962. 671 p.
(MIRA 15:4)

(Machinery industry—Production standards)

VORONKOV, I.I.; GAL'TSOV, A.D., inzh., retsentsent

[Organization of labor and wages in a machinery manufacturing plant] Organizatsiia truda i zarabotnoi platy na mashinostroitel'nom zavode. Izd.2., perer. i dop. Moskva, Mashinostroenie, 1965. 287 p. (MIRA 18:3)

GAL'TSOV, A.P.

BELENKIN, IA. I., A. P. GAL'TSOV, N. P. FOMIN,
A. KH. KHRGIAN.

Obledenenie vozdushnykh sudov. Moskva, Izd-vo GVT, 1938.
Title tr.: Airship icing.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

GAL'TSOV, A. P.

O meteorologicheskome obluzhivani aviatsii. (Meteorologiya i gidrologiya, 1938, no. 9/10, p. 72-87, illus.)

Title tr.: On the meteorological services of aviation.

QC651.M27 1938

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

GAL'TSOV, A.P.

GAL'TSOV, A. P. and L. A. CHUBUKOV.

Meteorologiya dlia letchikov. Moskva, Voenizdat, 1940.
Title tr.: Meteorology for aviators.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

GALTSOV, A. F.

Central Geophysics Observatory, (-1945-)

"The Physic-Meteorological Characteristics of the Forming and Disappearing of Fogs,"

Iz. Ak. Nauk SSSR, Ser. Geograf. i Geofiz., No. 2, 1945

GAL'TSOV, A. P.

"Climate Regions of Foreign Countries," by B. P. Alisov, Moscow, Geography Press, 1950. Reviewed by A. P. Gal'tsov, Sov. Kniga, No.7, 1950

GAL'TSOV, A. P.

"Fundamentals of Meteorology and Climatology," by S. I. Kostin, 2nd edition, Leningrad, Hydrometeorological Press, 1951. Reviewed by A. P. Gal'tsov, Sov. Kniga, No.3, 1952.

GAL'TSOV, A. P.

How the weather is forecasted. Moskva, Gos. izd-vo detskoi lit-ry, 1951. 70 p.
(Estestvennonauchnaia bibliotekha shkol'nika) (52-23282)

QC995.G22

1. GAL'TSOV, A. P.
2. USSR (600)
4. Science
7. What causes drought and how it can be prevented. Nauch. - popul. lektsia. Moskva, "Pravda" 1951, 28 p.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

GALTSOV, A. P.

PA 237T61

USSR/Geophysics - Water Cycle

Nov/Dec 52

"Conference on the Problem of the Water Cycle in the Atmosphere," A. P. Galtsov

"Iz Ak Nauk SSSR, Ser Geograf" No 6, pp 71-89

Presents contents of conference in which was discussed theoretical and practical significance of the water cycle for the realization of Stalin's plan to transform nature. It was suggested that the results of work on water cycles be published in popular scientific books.

237T61

Gal'tsov, A.P.

6.10-268

551.588(58)-631.67

Gal'tsov, A. P., O klimaticheskoi vzaimodelstviu oroshаемыkh i neoroshаемыkh ploshchadei. [Climate interaction of the irrigated and nonirrigated areas.] *Akademiia Nauk SSSR, Izvestiia, Ser. Geogr.*, No 3:11-20, 1953. DLC--Methods and results of microclimate observations carried out in Sept. 1951 by a group of Geographical Institute workers in irrigated cotton fields and adjoining desert lands near the lower reaches of the Amu Darya River in Kazakhstan. The measurement of air temperature and air humidity with ventilated psychrometers at 20 and 150 cm heights and wind speed measurement with hand anemometers at 1 and 2 m heights at 5 points (3 on irrigated fields and 2 on desert land), oriented as to wind direction, showed the gradual transformation of air currents coming from the desert, and its influence on the microclimate. The results of observation, presented in graphs and tables, show that 1) the presence of surface temperature inversions does not protect the oasis from the influence of the desert and 2) that the transformation of air masses proceeds along the same lines during the day and at night. The marginal irrigated lands, to a distance of several km from the desert boundary line, experience the drying effect of deserts and require more irrigation than the central portion of the oasis. *Subject Headings:* 1. Irrigation effects 2. Desert influences 3. Kazakhstan, U.S.S.R.—A.M.P.

62

GAL'TSOV, A. P.

1500

Atmosfera zemli. Sbornik. [Earth's atmosphere. Symposium.] Moscow, Gosizdat. Izdat. Kul'turno-Prosvetitel'noi Literatury, 1943. 422 p. fig., tables, chart, illus. Price: 13 r. 70 k. DLC—This is a fascinating and challenging book for popular use (30,000 copies were printed), consisting of 14 articles by different authorities, arranged under 5 major headings: 1) atmosphere and sun, 2) weather and climate, 3) work of the wind, 4) air and life and 5) wealth of the earth's atmosphere. An article by E. L. DEBRINSKIĬ on atmospheric structure is an accurate and quite technical treatise on every aspect of the troposphere, stratosphere and ionosphere and processes going on in these regions. The second article by the late Prof. N. N. KALITIN discusses the physical and physiological aspects of solar radiation in all latitudes and under varying weather conditions. Ch. 3, by A. KH. KURBAN, deals with optical phenomena in the atmosphere (halos, mirage, visibility, rainbows, etc.). The section on weather and climate, contains articles by A. F. GAL'TSOV on weather, weather analysis and weather forecasting; by V. IU. VIZE on the Arctic and Africa; by L. A. CHURNOV on weather and climate and by S. A. SANOZHNIKOVA on microclimatology, climate over tundra, forests, lakes, snow, microclimate, soil and slope microclimate, dust storms and their prevention, and human climatology. The section on work of the wind has an article by B. A. FIDOROVICH on action of wind on soil and the earth, one by N. A. BELINSKIĬ on wind, waves and foundations, one by A. V. KARMSHIN on the use of wind power, showing many conventional and several recent models of the wind generators for use in the Arctic. The section on air and life contains articles by N. S. SICHURINSKIĬ on the relation of the atmosphere to plants, birds, fish, animals and insects; one by G. N. KASSIL' on man and air, atmospheric pollution, etc. and one by M. I. GOL'DIX on microbes and air in Arctic, at sea, in upper air and in rooms, etc.; and the final section on wealth of the air by D. IU. GASHURG, goes into the composition of the atmosphere, the rare gases, CO₂ and nitrogen cycles, air conditioning, etc. Although designed for high school students every chapter is written by an outstanding specialist in a particular field of meteorology, and contains an amazing amount of technical information not usually found in such elementary texts, as well as a host of clever schematic diagrams and beautifully colored photographs or charts. No literature citations are given, though there is a great deal of historical material scattered in the Russian contributions in each field. An English edition of this book would be a great help. Subject Headings: 1. Elementary meteorology 2. Russian science 3. Collected works. Textbooks. I. Dzerdzevskii, B. L. II. Kalitin, N. N. III. Kurban, Kh.

GAL'TSOV, A.P.; PGHELKO, I.G., kandidat fiziko-matematicheskikh nauk, redaktor; DUBENTSOV, V.R., kandidat geograficheskikh nauk, redaktor; KADER, Ya.M., redaktor; MEZHERITSKAYA, N.P., tekhnicheskiiy redaktor

[How to forecast the weather] Kak predskazyvaiut pogodu. Moskva, Voen. izd-vo Ministerstva obrony Soiuza SSR, 1954. 111 p.
(Weather forecasting) (MLRA 8:5)

GAL'ISOV, A.F.

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.; SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV, N.N.; GAL'TSOV, A.P.; GRIGOR'YEV, A.A., akademik; EYGENSON, M.S., professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDANOV, P.N.; LEBEDEV, A.N.; SOKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMANOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGEYM, G.Ya.; SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.S.; ISAYEV, E.A.; DMITRIYEV, A.A.; MALYUGIN, Ye.A.; LIEDEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPOVA, L.R.; POKROVSKAYA, T.V.; BAGDASARYAN, A.B.; ORLOVA, V.V.; RUBINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHERBAKOVA, Ye.Ya.; BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.; RUDNEVA, A.V.; RUDENKO, A.I.; ZOLOTAREV, M.A.; NERSESYAN, A.G.; MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEYATKOVA, A.M.; ZAVARINA, M.V.; SHMETTER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor.GUGMS no.3/4:26-154 '54. (MIRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya geofizicheskaya observatoriya im. A.I.Voeykova (for Predtechenskiy, Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubinshteyn, Budyko, Shcherbakova, Anapol'skaya, Dunayeva, Rudneva, Gavrilov, Zavarina). 3. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskii institut (for Buchinskiy).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no.3/4:26-154 '54. (Card 2) (MIRA 8:3)

4. Vsesoyuznyy institut rasteniyevodstva (for Salyaninov, Rudenko).
5. Bioklimaticheskaya stantsiya Kisl'evodsk (for Beshno).
6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Alisov).
7. Ministerstvo putey soobshcheniya SSSR (for Biryukov).
8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev).
9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Eygenson).
10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov).
11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov).
12. Tsentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskiy arkhiv (for Sokolov, Zolotarev).
13. Gosudarstvennyy okeanograficheskiy institut (for Samoylenko).
14. Tsentral'nyy institut prognozov (for Usmanov, Sapozhnikova).
15. Institut geografii Akademii nauk SSSR i Tsentral'nyy institut kurortologii (for Chubukov).
16. Nauchno-issledovatel'skiy institut imeni Sechenova, Yalta (for Trotsenko).
17. Arkticheskiy nauchno-issledovatel'skiy institut (for Vangengeym).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PRIEDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state of climatological research and methods of developing it].
Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 3) (MLRA 8:3)

18. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Sokolov).
 19. Institut geologii i geografii Akademii nauk Litovskoy SSR (for Styro).
 20. Rostovskoe upravlenie gidrometsluzhby (for Temnikova).
 21. Morskoy gidrofizicheskiy Institut Akademii nauk SSSR (for Dmitriyev).
 22. Vsesoyuznyy institut rasteniyevodstva (for Malyugin).
 23. Akademiya nauk Estonskoy SSR (for Liedmaa).
 24. Akademiya nauk Armyanskoy SSR (for Bagdasaryan).
 25. Leningradskiy gidrometeorologicheskiy institut (for Milevskiy).
- (Continued on next card)

FEDOROV, Ya.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 4) (MIRA 8:3)

26. Gosudarstvennyy gidrologicheskiy institut (for Boshkov).
27. Kazhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Uteshev).
28. Upravlenie gidrometsluzhby Armyanskoy SSR (for Nersesyan).
29. Leningradskoye upravleniye gidrometsluzhby (for Mikhaylov, Devyatkova).
30. Tbilisskiy gosudarstvennyy universitet (for Tsomaya).
31. Tsentral'naya aerologicheskaya observatoriya (for Shmeter).
(Climatology)

GAL'TSOV, A. P.

USSR/Meteorology - Climate

Card 1/1 : Pub. 77, 26/26

Authors : Gal'tsov, A. P., Scien. Collab. Inst. Geogr. Acad. Sci. USSR

Title : Does climate change?

Periodical : Nauka i zhizn' 21/7, 48, July 1954

Abstract : From indirect data the conclusion is drawn that the weather in Asia, Europe, and America has not changed in its general characteristics during a long period.

Institution : ...

Submitted : ...

GAL'TSOV, Aleksandr Petrovich, kandidat geograficheskikh nauk; PCHELKO, I.G.,
redaktor; ISLANKINA, T.F., redaktor; DMITRIYEVA, R.V., tekhnicheskij
redaktor.

[Weather and its forecasting] Pogoda i ee predskazanie. Moskva, Izd-
vo "Znanie," 1955. 29 p. (Vsesoiuznoe obshchestvo po rasprostraneniu
politicheskikh i nauchnykh znani, Ser. 3, no.3). (MIRA 8:4)
(Weather forecasting)

GALTSOV, A.P.

✓ 83-121

Galtsov, A. P. Pogoda i ee predskazanie. [The weather and its forecasting.] Vsesoiuznoe Obshchestvo po Rasprostraneniю Politicheskikh i Nauchnykh Znaniy, Moscow, Ser. 3

531.509.31

No. 3, 1955. 30 p. 10 figs., 7 refs. DWI—A popular pamphlet giving the basic principles of synoptic meteorology and forecasting, with a few examples for Eastern Europe. Observations, synoptic charts, pressure and wind, temperature and temperature changes, precipitation formation, weather types, cyclones and fronts, etc. are discussed in separate chapters. Way of introduction. Subject Headings: 1. Synoptic forecasting 2. Popular meteorology. U.R.

Handwritten marks and signatures in the right margin.

89/11 11 11 11
GAL'TSOV, A.P., kandidat geograficheskikh nauk

Drought and its control. Nauka i zhizn' 22 no.8:40-43 Ag '55.
(Droughts) (Soil moisture) (MIRA 8:10)

GAL'TSOV, A.P.; ZHUKOV, V.M.

Outline of climatic conditions in regions of experimental tea
cultivation in Central Asia. Trudy Glav.bot.sada 5:25-70 '56.
(MIRA 9:10)

(Asia, Central--Climate) (Tea)

GAL'TSOV, A.P., doktor geograficheskikh nauk.

The warmest month of the year. Priroda 45 no.7:124 J1 '56.
(MIRA 9:9)

1. Institut geografii Akademii nauk SSSR, Moskva.
(Atmospheric temperature)

BERENBEYM, L.Ya. ; GAL'TSOV, A.P., doktor geograficheskikh nauk.

Rare tornado. Priroda 45 no.8:113 Ag '56. (MIRA 9:9)

1. Institut geografii Akademii nauk SSSR.
(Tornadoes)

GAL'TSOV, Aleksandr Petrovich; KOLOMIYTSOVA, O.I., redaktor; YELAGIN, A.S.,
~~tehnicheskij redaktor~~

[Climate and weather]Klimat i pogoda. Moskva, Gos. izd-vo kul'turno-
prosvetit. lit-ry, 1957. 70 p. (Bibliotekha v pomoshch' lektoru,
no.1)

(Climatology)

(MIRA 10:2)

GAL'TSOV, ALEKSANDR P.

Call Nr: AF 1139270

AUTHOR: Gal'tsov, Aleksandr P.

TITLE: Analysis of Climate-forming Processes (With Reference to Genetic Classification of Fogs) [Analiz klimatoobrazuyushchikh protsessov (v primeneni k geneticheskoy klassifikatsii tumanov)]

PUB. DATA: Izdatel'stvo Akademii nauk SSSR, Moscow, 1957, 206 pp., 2300 copies.

ORIG. AGENCY: Akademiya nauk SSSR. Institut geografii

EDITORS: Editor-in-Chief: Chubukov, L. A., Doctor of Geographical Sciences; Ed. of Publishing House: Volynskaya, V. S.; Tech. Ed.: Kiseleva, A. A.

Card 1/6

Call Nr: AF 1139270

Analysis of Climate-forming Processes (Cont.)

PURPOSE: The book presents a method of qualitative analysis of climate-forming processes and its application to a genetic classification of fogs. It is designed for geophysicists, meteorologists, hydrologists and students of these fields.

COVERAGE: This book analyzes the causes and developments of climatic phenomena and their interaction with other environmental factors. The material offered leads to the formulation of a genetic method of analysis and long or short-term forecasting of the weather. The book contains Russian contributions. Personalities mentioned include: Bachurina, A.N., Blyumina, L.I., Petrova, L.I., Alisov, B.P., Fedorov, Maksimov, Dyubyuk, A.F., Chubukov, L.A., Berlyand, M. Ye., Zavarina, M.V. There are 85 bibliographic references, 41 of which are Slavic, 26 English, 17 German and 1 French.

Card 2/6

Call Nr: AF 1139270

Analysis of Climate-forming Processes (Cont.)

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Call Nr: AF 1139270

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Call Nr: AF 1139270

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Call Nr: AF 1139270

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AVAILABLE: Library of Congress

Card 6/6

GAL'TSOV, A.P.

"Prediction and regulation of the thermal regimen of the earth's surface atmosphere" by M.E.Berliand. Reviewed by A.P.Gal'tsov.
Izv.AN SSSR.Ser.geog.no.1:152-154 Ja-F '57. (MLRA 10;4)
(Atmospheric temperature) (Berliand, M.E.)

GAL'TSOV, A.P.

Survey of scientific reports at the coordination conference. Izv.
AN SSSR. Ser. geog. no.5:78-86 S-0 '57. (MIRA 11:2)
(Humidity) (Atmospheric temperature)

10-58-2-1/30

AUTHORS: Avsyuk, G.A., Gal'tsov, A.P.; Iveronova, M.I.; Meshcheryakov, Yu.A.

TITLE: At the XIth General Assembly in Toronto of the International Union of Geodesy and Geophysics (IUGG) (Na XI general'noy assambleye mezhdunarodnogo soyuza geodezii i geofiziki (IUGG) v Toronto)

PERIODICAL: Izvestiya Akademii nauk SSSR -- Seriya geograficheskaya, 1958, Nr 2, pp 3-8 (USSR)

ABSTRACT: The XIth General Assembly of the International Union of Geodesy and Geophysics convened in Toronto from 3 to 14 September 1957. The USSR was represented by a delegation consisting of 54 scientists headed by Academician I.P. Bardin. The Soviet geographers G.A. Avsyuk, A.P. Gal'tsov, M.I. Iveronova and Yu.A. Meshcheryakov participated for the first time in a meeting of the Union. The conference was divided into various sections dealing with special fields. The conference heard the following Soviet reports: The Geodesists M.S. Molodenskiy, A.A. Izotov, Yu.D. Bulanzhe and M.I. Sinyagina on the achievements of Soviet science in the geodesy; V.V. Belousov, V.A. Magnitskiy, Ye.A. Lyubimova, V.I. Keylis-Borok and Yu.V. Reznichenko on seismological problems and questions concerning the physical structure of the Earth's deposits; G.A. Avsyuk on glacial research work

Card 1/3

10-58-2-1/30

At the XIth General Assembly in Toronto of the International Union of Geodesy and Geophysics (IUGG)

carried out in the USSR; A.M. Obukhov and A.S. Monin on meteorological questions, especially diffusion and convection. Special attention was paid to the reports of the Soviet scientists M.I. Sinyaginaya and Yu.A. Meshcheryakov on the study of present movements of the Earth crust in the European part of the USSR. M.I. Budyko dealt with the distribution of the components of the thermal balance of the Earth's surface. This report met with especially great interest since only the USSR has succeeded in preparing monthly charts on the components of the thermal balance all over the world, and what is even more important, in solving the problem of determining the evaporation taking place on the surface of dry land. Ye.P. Tolstik explorer of polar regions reported on Soviet research in the Arctic and Antarctic Zones within the International Geophysical Year. Due to the Soviet achievements in all these fields of science V.V. Belousov, Corresponding Member of the AS, USSR was elected Vice-President of the

Card 2/3

10-58-2-1/30

At the XIth General Assembly in Toronto of the International Union of Geodesy
and Geophysics (IUGG)

of the International Union of Geodesy and Geophysics.

1. Geodesy and Geophysics—Conference

Card 3/3

SOV/10-59-5-7-22/25

AUTHOR: Gal'tsov, A.P.

TITLE: A Conference on the Problem of "Heat and Water Balance of the Earth's Surface, its Importance for the Dynamics of Natural Phenomena and Methods for its Transformation for Practical Use"

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 5, pp 130-134 (USSR)

ABSTRACT: The above-mentioned interdepartmental conference took place on 7-11 April 1959 in Leningrad. It was organized by the Institut geografii AN SSSR (Institute of Geography of the AS USSR) and by the Glavnaya geofizicheskaya observatoriya im. A.I. Voyeykova (Main Geophysical Observatory imeni A.I. Voyeykov). In his opening address, Academician I.P. Gerasimov indicated the general purpose of the conference, the present state of investigations and their further development. Several reports read at the conference could be divided into

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SOV/10-59-5-7-22/25

A Conference on the Problem of "Heat and Water Balance of the Earth's Surface, its Importance for the Dynamics of Natural Phenomena and Methods for its Transformation for Practical Use."

five cycles. The first cycle contains four reports on the problems of study of the heat balance of the Earth's surface. They were delivered by: M.I. Budyko (GGO) on "The Heat Balance of the Earth's surface"; Yu.D. Yanishevskiy (GGO) on "Methods of actinometric investigations"; T.G. Berlyand (GGO) on "The Distribution of Solar Radiation on the Earth's surface"; and B.L. Dzerdzeyevskiy and Yu.L. Rayner (Institute of Geography of the AS USSR) on "The State and Problems of Study of Heat Balance of a Forest". The second cycle of reports concerned water balance problems. 5 reports were read by: G.P. Kalinin (TsIP) on "General Problems of Water Balance"; V.I. Kuznetsov and I.V. Popov (GGI) on "Experimental Research on Elements of Water Balance of Dry Lands"; M.I. L'vovich (Institute of Geography of the AS USSR) on "Methods

Card 2/6

SOV/10-59-7 22/25

A Conference on the Problem of "Heat and Water Balance of the Earth's Surface, its Importance for the Dynamics of Natural Phenomena and Methods for its Transformation for Practical Use."

of Investigations of Water Balance"; A.I. Budagovskiy (Institute of Geography of the AS USSR) reported on the importance of the study of water balance of soils, which is a synthesis of the dynamics of water and heat balances of the Earth's surface; the last report of this cycle was read by V.D. Komarov on "Zonal Peculiarities of Formation of Spring Water Discharge on the European Territory of the USSR". The third cycle concerned the interconnected problems of formation and dynamics of snow cover, glaciers and of permafrost. Four reports were read by: G.A. Avsyuk (Institute of Geography of the AS USSR) on "General Problems of Glaciologic Research in the Frame of the Problem"; G.D. Rikhter (Institute of Geography of the AS USSR) on "Problems of Study of Snow and Snow Cover in the Frames of the Problem";

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SOV/10-59-7 22/25

A Conference on the Problem of "Heat and Water Balance of the Earth's Surface, its Importance for the Dynamics of Natural Phenomena and Methods for its Transformation for Practical Use".

V.N. Bogoslovskiy (Institut Merzlotovedeniya AN SSSR)(Institute of Permafrost of the AS USSR) on "Thermo-Physical Regularities of Formation and Dynamics of Glaciers as shown by the Example of Glaciers of the Antarctic Glacier Shield"; G.V. Porkhayev (Institute of Frost Study of the AS USSR) on "Study of Thermo-Physical Regularities of Formation and Dynamics of Strata of Frozen Rocks and the Utilization of these Regularities for Practical Use". The fourth cycle of reports concerned the problems of climate genesis and its connection with the water-thermal balance of the Earth's surface. Four reports were read by : A.P. Gal'tsov (Institute of Geography of the AS USSR) on "The State and Problems of Research on the Climate Genesis within the Framework of a Given Problem"; M.Ye. Shvets (GGO) on "The Contemporary State

Card 4/6

SOV/10-59-7 22/25

A Conference on the Problem of "Heat and Water Balance of the Earth's Surface, its Importance for the Dynamics of Natural Phenomena and Methods for its Transformation for Practical Use".

of the Theory of Climate Formation"; O.A. Drozdov (GGO) on "The Humidity Circulation in the Atmosphere"; and M.P. Timofeyev (GGO) on "The Heat Balance and the Microclimate". The Fifth cycle of reports concerned the analysis of the role of the water thermal balance of the Earth's surface in the formation of the natural atmosphere. Academician A.A. Grigor'yev reported on "The Role of Heat and Water Exchange in the Formation and Development of the Geographical Sheath (mainly on temperate belt plains) and their Importance for the Productivity of Agriculture Plants"; Academician I.P. Gerasimov on "Hydrothermal Factors of Soil Formation"; V.R. Volobuyev (AS of the Azerbaydzhanskaya SSR) - on "The Summary Expenditure of Energy for the Soil Formation in connection with Hydrothermal Conditions"; D.L. Armand

Card 5/6

SOV/10-59-7 22/25

A Conference on the Problem of "Heat and Water Balance of the Earth's Surface, its Importance for the Dynamics of Natural Phenomena and Methods for its Transformation for Practical Use".

(Institute of Geography AS USSR) on "The Importance of the Balance Methods in the Study of Erosion"; F.F. Davitaya (GUGMS) on "The Distribution of Heat and Humidity in the USSR and Some New Agricultural Problems". Finally, A.N. Formozov reported on "The Role of Heat and Humidity in Ecology and Distribution of Animals". The Conference decided to publish their transactions and to utilize them at the forthcoming Third All-Union Geographical Conference, at the XII General Assembly of the International Geodetic and Geophysical Union and at the XIX International Geographical Conference.

Card 6/6

GERASIMOV, I.P., akademik, red.; BUDYKO, M.I., prof., doktor fiz.-mat.
nauk, red.; GAL'TSOV, A.P., doktor geogr.nauk, red.;
YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.I., tekhn.red.

[Thermal and water regime of the earth's surface] Teplovoi
i vodnyi rezhim zemnoi poverkhnosti. Pod red. I.P.Gerasimova,
M.I.Budyko i A.P.Gal'tsova. Leningrad, Gidrometeor.isd-vo,
1960. 191 p. (MIRA 14:2)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeo-
rologicheskoy sluzhby. 2. Institut geografii Akademii nauk SSSR
(for Gerasimov, Gal'tsov). 3. Glavnaya geofizicheskaya observato-
riya im. A.I.Voyeykova (for Budyko).
(Earth temperature) (Hydrology)

PLANE I BOOK EXAMINATION 587/5475

ЦЕНТ. Главные управленые гидрометеорологическое службы
 Сопрово и работы рублии поветрешести (thermal and water Budget of the
 Earth's Surface) Mendragal, Chirrensaidat, 1976, 191 p. Erriba ship
 Inserted. 600 copies printed.

operating Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri
 Sovetskom Ministre GosSN.

Eds. (Title page): I. P. Grunelov, Academician, M. I. Rybko, Doctor of Physics
 and Mathematics, and A. S. Shulzer, Doctor of Geographical Sciences;
 Ed.: M. N. Yanoprodzhaya; Tech. Ed.: M. I. Broymann.

PRIME: This publication is intended for esophysiologists, geographers, clima-
 tologists, agronomists, and agriculturists.

CONTENTS: The seventeen articles contained in this publication represent con-
 densed versions of reports presented at the Conference on the Heat and Water
 Regime of the Earth's Surface, convened by the Olyzhaya Gosfizicheskaya
 observatoriya in A. I. Voytykov (Main Geophysical Observatory Insti-
 A. I. Voytykov) in April 1958. Individual articles deal with the investi-
 gation of the thermal balance of the earth's surface, problems of the Genesis
 of climate related to heat and moisture exchange, the indicators of heat and
 water balance in agriculture, and problems related to the effect of hydro-
 meteorological factors upon crop production, geographical processes and phenomena.
 No personalities are mentioned. References follow individual articles.

uzorizyevskiy, B. I., and Yu. L. Kuznetsov (Institut Geograficheskoy
 AN SSSR -- Institute of Geography, AS USSR). The State and the
 Tasks of Investigating the Heat Balance of a Forest

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S/169/62/000/007/118/149
D228/D307

AUTHOR: Gal'tsov, A. P.

TITLE: Use of the patterns of world precipitation distribution in connection with the problem of genetically classifying climates

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 55-56, abstract 7B286 (V sb. XIX Mezunar. geogr. kongress v. Stokgol'me, 1960, M., AN SSSR, 1961, 80-87)

TEXT: The genetic analysis of precipitation is highly significant for the construction of a world climate classification and requires the disclosure of a whole chain of causes and consequences right down to the primary factors. It can be accomplished only in stages. The investigation's aim was to ascertain the relation of the mean multiyear precipitation totals to certain climatic indices, depending closely on the primary factors of climate formation. The rising air current (convection, ascent in fronts, and so forth) is the direct cause of the bulk of the precipitation. The magnitude

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of the vertical velocity of such currents can serve as the characteristic of the conditions for their development. Its trial calculation from the distribution of the mean multiyear pressure showed insufficient precision. This method had to be rejected, and the so-called vergence index had to be taken in its place as the indirect index of the development conditions for vertical movements. By the new index is implied the difference between the pressure at a given point and at a nearby point on the zero isoline between zones where ascending and descending flows predominate. A map of the vergence index's world distribution in January is given. Another important factor, on which the precipitation depends, is the moisture content; the mean value of the near-surface water-vapor tension, which can be determined on a standard grid of meteorologic stations, was used as the characteristic of this latter quantity. An attempt was made to determine the specific influence of the vergence index and the near-surface water-vapor tension in the processes of the accumulation of climatologic precipitation totals. The former factor is an integral characteristic of the circulation; the latter reflects the joint influence of solar heat

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inflow and the degree of the ground surface's humidification. A series of other factors, influencing the formation of precipitation, was not considered, The empirical formula

$$r = 2,3 \cdot e^{0,928(0,1p+1)} \cdot E + 2^{0,2p+3,5}$$

expressing the dependence of the climatologic precipitation total (r) on the average near-surface water-vapor tension (E) and the mean vergence index (p), was found as a result of the conducted investigation. This formula provides an opportunity for determining the quantitative contribution of each of the two factors considered, and of the total influence of all factors that were not considered, to the spatial precipitation-total differences, observed between different areas, and to the precipitation's annual variation in the same area. Moreover, the accurately established boundaries of tradewinds in each month allow the boundaries of the main climatic belts in low latitudes to be defined more accurately. ✓

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The results of this more precise definition are shown on the cited map. Patterns in the formation of climatologic precipitation totals in extratropical latitudes allows groups of continental and marine precipitation processes to be distinguished. The magnitude of the range of the precipitation's yearly variation can be resolved into three components: 1) the change in the precipitation total at the expense of that in the humidity; 2) their change at the expense of the change in the vergence index; and 3) their change at the expense of factors not considered. Such a method allowed two typical provinces to be distinguished in the sphere of the continental precipitation process: 1) continental proper, where the precipitation grows from winter to summer at the expense of the increase in the humidity and the vergence index, though this is counteracted by the influence of factors that were not taken into account; and 2) maritime, where the growth of the amount of precipitation towards summer is accomplished solely at the expense of the humidity. The patterns found can be used in many other questions of genetic climatology. [Abstracter's note: Complete translation.]

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GAL'TSOV, Aleksandr Petrovich, doktor geogr. nauk; SMIRNOVA, N.P., red.;
ATROSHCHENKO, L.Ye., tekhn. red.

[Heat and moisture in nature] Teplo i vlaga v prirode. Moskva,
Izd-vo "Znanie," 1961. 39 p. (Vsesoiuznoe obshchestvo po raspro-
straneniu politicheskikh i nauchnykh znani. Ser. 12, Geologiya i
geografiia, no.13) (MIRA 14:7)

(Climatology)

ARMAND, David L'vovich; GAL'TSOV, A.P., doktor geogr. nauk, otv. red.;
SENILOVA, M.N., red. izd-va; YEPIFANOVA, L., tekhn. red.

[The physiogeographical principles of planning the forest
shelterbelt systems] Fiziko-geograficheskie osnovy proektirova-
niia seti polezashchitnykh lesnykh polos. Moskva, Izd-vo Akad.
nauk SSSR, 1961. 366 p. (MIRA 14:8)
(Windbreaks, shelterbelts, etc.)

GAL'TSOV, A.P.; GERASIMOV, I.P.; ZANIN, G.V.; SOBOLEV, L.N.

Scheme of the general program for station field research on the
biogeophysics of natural landforms. Izv. AN SSSR. Ser. geog.
no.5:95-99 S-0 '61. (MIRA 14:9)

1. Institut geografii AN SSSR.
(Physical geography--Research)

S/169/62/000/011/036/077
D228/D307

AUTHORS: Budyko, M.I., Gal'tsov, A.P., Dzerdzeyevskiy, B.L.
and Sribnyy, M.F.

TITLE: Climatology and land hydrology section

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1962, 66-67,
abstract 11B372 (In collection: XIX Mezhdunar. geogr.
kongress v Stokgol'me, 1960, M., AN SSSR, 1961,
322-327)

TEXT: 6 section meetings, at which 26 papers were heard,
were held at the 19th International Geographic Congress in Stockholm
(1960). Alpert (USA) presented the paper "Cloud observations by
means of satellites". The paper of Yosav (Iosav) (Japan) was devoted
to "Cloud variability as a climatic factor". Oliver (Great Britain)
considered the influence of the height of a place on the marine
climate of Great Britain. Green (Great Britain) read the paper
"Potential moisture deficit as an important climatic indicator in
the example of north-western Europe". Kemer's (FRG) communication
was entitled "Hydrologic observations on the Great Lakes in the last
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century". Al Halaf (Al'-Khālaf)(Iraq) presented the paper "Basin of the Lower Tigris". The paper of Skribnyy (USSR) -- "Peculiarities of the genesis of floods, their bases of analysis and reckoning" -- proposes a hygenic classification of floods and states a theory for reckoning them. The Rumanian hydrologists Platagva and Uivari (Uyviri) presented a paper about the hydrologic conditions on Rumanian territory. Patterns of climatic variation in the Ukraine were discussed in Buchinskiy's (USSR) paper. Gal'tsov (USSR) came forward with a communication on the subject "Investigating patterns of world precipitation distribution in connection with the problem of genetic climatic classification". In the paper "Geographic analysis of precipitation" Gregory (Great Britain) reviewed climatic investigations, carried out from the data of 6000 stations of the British rain-measuring grid. The paper of Meidech (USA) -- "Role of the water balance in the soil redistribution of strontium" -- elucidated the results of theoretical and experimental investigations of precipitation fallout and radioactive strontium migration in groundwaters. Thorntweisht (Torntueyt) (USA) in his paper "Water balance investigations carried out by the Climatology Laboratory" generally review-

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ed the laboratory work that he directed for 20 years. In the paper "Unique curves of the general course of precipitation in inland regions of the USA" Treworth (Trevort) (USA) characterized the precipitation regime in Texas and Oklahoma and in the valley of the Upper Mississippi. Bailey (Beyli) (USA) gave the communication "Method of determining climatic warmth and moderation". Kerry (Kerri) (New Zealand) in his paper "Probability interpretation adapted to climatic conditions" touched on the question of the adaptation of vegetation, glaciers, the water regime, and other phenomena to climatic changes. Malmstrom (Mal'mstrem) (USA) considered "Harvest and climate in Iceland; role of the Arctic front". Budyko (USSR) stated the results of research, carried out in different scientific institutions of the USSR, on the heat and the water balances and their relation to various natural processes. The data of microclimatic observations, conducted on the streets of London by means of a specially equipped automatic machine, were cited in the paper of Chandler (Chendler) (Great Britain) -- "Climatic investigations of London". The paper of Vlon (Flon) (FRG) -- "Mechanism of the summer monsoon in south and east Asia" -- summed up multiyear investigations of tropical and

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and subtropical monsoons. The paper of Okołowicz (Okolovich) (Poland) was called "Macro-, meso- and microclimates, their correlation and methods". The paper of Paszyński (Pashinskiy) (Poland) was devoted to the topic "Atmospheric turbidity as a factor in the local climate of industrial areas". Dzerdzeyevskiy (USSR) examined the question of multiyear fluctuations of climatic elements at different points in the northern hemisphere. The communication of Shatier (Shat'ye) (France) considered the influence of urban water research on the discharge of the R. Seine at Paris.

[Abstracter's note: Complete translation]

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D228/D301

AUTHOR: Gal'tsov, A. P.

TITLE: Conference on the problem of transforming the climate

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 50, abstract 3B369 (Izv. AN SSSR, ser. geogr., no. 5, 1961, 128-133)

TEXT: A report is given about the proceedings of the Leningrad conference of April 25 - 28, 1961, on the problem of transforming the climate. The conference was organized by the Glavnaya geofizicheskaya observatoriya im. Voyeykova (Chief Geophysical Observatory im. Voyeykov) and the Instituty prikladnoy geofiziki i geografii AN SSSR (Institutes of Applied Geophysics and Geography, Academy of Sciences USSR). The following papers were read and discussed at the conference: Academician Ye. K. Fedorov -- "Research prospects for the problem of transforming the climate"; Academician I. P. Gerasimov -- "Climatic changes in the Quaternary Period"; A. V. Shitnikov -- "Present phase of the general humidification of
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northern Eurasia and the probable direction of its subsequent development"; L. A. Vitel's -- "Predicting the climatic changes in the last three decades of the 20th century and at the beginning of the 21st century"; B. L. Dzerdzeyevskiy -- "An example of the atmospheric circulation's extreme fluctuation over the northern hemisphere"; A. M. Gusev -- "Influence of the ocean circulation's changes on the atmospheric circulation"; N. I. Wul'fson -- "Possible ways of reducing drought in south-eastern districts of the Union's European territory and in North Kazakhstan"; G. F. Khil'mi -- "Developing the theory of the structure and self-regulation of the biosphere"; M. I. Budyko -- "The earth's heat balance and the problem of transforming the climate"; M. Ye. Berlyand -- "Transforming the climate as a result of influencing the underlying surface"; L. P. Rakipova -- "The change in the climate when influencing the polar basin's ice"; O. A. Drozdov -- "Possibilities of transforming the moisture-cycle"; D. L. Laykhtman -- "Climatic significance of active influences on clouds"; and M. Ye. Shvets -- "Influencing the climate by means of stratospheric dusting". The

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conference adopted a resolution which emphasized the forthcoming technical possibility of influencing major climate-forming processes and the urgent need for widely developing exploratory research of means of transforming the climate. The abridged contents of each of the papers are given. / Abstracter's note: Complete translation. /

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D228/D307

AUTHOR: Gal'tsov, A. P.

TITLE: General atmospheric circulation

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 39, abstract 7B217 (Geogr. v shkole²no. 1, 1962, 26-34)

TEXT: The author describes the general atmospheric circulation's basic elements as they should be set forth in the school course. In existing school textbooks the theory of general atmospheric circulation has been so simplified that the essence of phenomena is completely distorted. [Abstracter's note: Complete translation.]

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GAL'TSOV, A.P.

"Distribution of solar radiation on continents" by T.G. Berliand.
Reviewed by A.P. Gal'tsov. Izv.AN SSSR. Ser.geog. no.6:127-129
M-D '62. (MIRA 15:12)

(Solar radiation)

GALTSOV, A. P.

"Determination of the transmittance by vibration-rotation bands."

report presented at the Atmospheric Radiation Symp, Leningrad, 5-12 Aug 64.

GAL'TSOV, A.P.

Dependence of precipitation in the mountains of Central Asia
from the irrigation of piedmont plains. Izv.AN SSSR. Ser. geog.
no. 2:37-44 Mr-Ap '64. (MIRA 17:5)

1. Institut Geografii AN SSSR.