

"Fluctuations in the Water Temperature of Deep Layers of the Sea," Meteorol. i
Gidrologiya, No 4, 1954, pp 39-41

Observations conducted by the authors by means of deep-water thermometers and resistance thermometers on the temperature of the deep waters of the Vyborsk Gulf and B'yerk-Zund testify to the existence of short and ultrashort period oscillations differing as to intensity, with cycles calculated in hours, minutes, and even seconds. The observations were carried out at various deep horizons of 22 stations at different times of the day and for various conditions of the weather (in the case of considerable roll of the boat the thermometer of resistance was placed in a special bupy). The temperature readings were taken every 15 seconds (sometimes every 1-3 minutes). (RZhGeol, No 3, 1955) SO: Swa. No. 713, 9 Nov 55

SVIRIDOV, A. A. AND BERENBIYM, D. YA.

Computation and Correction of the Horizons of Submersion of Bathometers

The insufficiencies of the procedure for computing the horizons according to the tables of A.I. Kireyev are the complexities and tremendousness of the computations, which must be carried out aboard ship, and also the impossibility of assigning all bathometers to standard horizons. The authors propose to simplify and make more precise the existing method of computing horizons. (RZhGeol, No. 5, 1955) Uch. zap. Vyssh. arkt. mor. uchilishcha, No. 5, 1954, 204-211

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

SOMOV, M.M., doktor geograf.nauk, red.; TAUBER, G.M., doktor geograf.
nauk, red.; DOLGIN, I.M., kand.geograf.nauk, red.; ZVEREV, A.A.,
kand.geograf.nauk, red.; DROZHZHINA, L.P., tekhn.red.

[Materials of the Soviet Complex Antarctic Expedition] Materialy
Sovetskoi kompleksnoi antarkticheskoi ekspeditsii. Leningrad,
Izd-vo "Morskoi transport." Vol.2. [First Continental Expedition,
1955-1957; scientific results] Pervaia kontinental'naia ekspeditsiia,
1955-1957 gg.; nauchnye rezul'taty. Pod red. M.M.Somova. 1959.
161 p. Vol.3. [First Continental Expedition, 1955-1957; observation
data] Pervaia kontinental'naia ekspeditsiia, 1955-1957 gg.; materialy
nabliudeni. Pod red. G.M.Tauber. 1959. 459 p. Vol.4. [First
Continental Expedition, 1955-1957; observation data] Pervaia konti-
nental'naia ekspeditsiia, 1955-1957 gg.; materialy nabliudeni. Pod
red.G.M.Tauber, I.M.Dolgina. 1959. 482 p. Vol.6. [Second Marine
Expedition in the diesel-electric ship "Ob'", 1956-1957; observa-
tion data] Vtoraia morskaiia ekspeditsiia na d/e "Ob'", 1956-1957 gg.;
materialy nabliudeni. Pod red. A.A.Zvereva. 1959. 386 p.

(MIRA 13:3)

1. Sovetskaya kompleksnaya antarkticheskaya ekspeditsiia, 1955-1958.
(Antarctic regions--Russian exploration)

ZVEREV, A. A.

PHASE I BOOK EXPLOITATION SOV/4351

Sovetskaya antarkticheskaya ekspeditsiya, 1955-

Vtoraya morskaya ekspeditsiya na d/e "Ob'", 1956-1957 gg.;
materialy nablyudeni (Second Marine Expedition on the
Diesel-Electric Ship "Ob'", 1956-1957; Materials From
Observations) Leningrad, Izd-vo "Morskoy transport,"
1959. 386 p. Errata slip inserted. (Series: Its:
Materialy, tom. 6) 800 copies printed.

Sponsoring Agency: Arkticheskiy i antarkticheskiy nauchno-
issledovatel'skiy institut.

Ed.: A. A. Zverev, Candidate of Geographical Sciences; Tech.
Ed.: L. P. Drozhzhina.

PURPOSE: This book is intended for oceanographers, hydro-
logists, and hydrochemists.

COVERAGE: This is Volume 6 of a multivolume work containing
scientific data collected during Soviet Antarctic expeditions.
The volume is a compilation of oceanographic data re-
corded by the Second Soviet Marine Expedition, headed
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Second Marine Expedition (Cont.)

SOV/4351

by Professor I. V. Maksimov, during a voyage on the diesel-electric ship "Ob'", from November 1956 to June 1957. The hydrological, hydrochemical, and biological observations of the expedition were conducted off the northern coast of Antarctica between the Antarctic Continent and Capetown and in the Indian Ocean as far as Calcutta. These included visual and semi-instrumental observations of waves, sea ice and icebergs; the determination of salinity, alkalinity, pH values, and the content of silicates, nitrates, and dissolved oxygen; the measurement of temperature; the recording of the velocity and direction of surface and deep currents; the determination of the color and transparency of water; and the collection of fauna and flora, particularly plankton. Among the instruments used in making the observations were Alekseyev BFV-2 and BFV-2r current meters, electromagnetic current meters (EMIT) for measuring surface currents, VOM-50 and GM-16 wavemeters, BM-48 bathometers, EPP-09 potentiometers, K-17-B stereophotocameras, ST-55 electrical thermometers, thermal depth gages, deep-water thermometers, and thermobathygraphs. The following scientists participated in processing and interpreting the data obtained: K. V. Moroshkin and A. A. Zverev, who

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directed the processing of deep-water hydrological recordings and observations on currents at the Institut okeanologii AN SSSR (Institute of Oceanography of the Academy of Sciences USSR) and the Leningradskoye vyssheye inzhenernoye uchilishche imeni admirala Makarova (Leningrad Higher Naval Engineering School imeni Admiral Makarov); M. A. Bogdanov, who processed the observations on currents at the Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii (All-Union Scientific Research Institute of Fisheries and Oceanography); A. P. Morozov, who directed the processing of visual wave observations and wave data at the Leningradskoye otdeleniye Gosudarstvennogo okeanograficheskogo instituta (Leningrad Branch of the State Oceanographic Institute); A. A. Dreyyer, staff member of the Gosudarstvennyy okeanograficheskiy institut Gidrometsluzhby SSSR (State Oceanographic Institute of the Hydrometeorological Service of the USSR) who worked on wave measurements; V. P. Kozhukhov, who worked on the observations of the dip of the visible horizon at the Leningrad Higher Naval Engineering School imeni Admiral Makarov; A. N. Bogoyavlenskiy, who worked on the results

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of hydrochemical observations at the Institute of Oceanography of the Academy of Sciences USSR; V. V. Barsukov and Yu. Ye. Permitin, who worked on the ichthyological materials at the Zoologicheskii institut AN SSSR (Zoological Institute of the Academy of Sciences USSR) and the All-Union Scientific Research Institute of Fisheries and Oceanography; K. V. Beklemishev and V. S. Korotkevich (plankton), and A. V. Gusev and F. A. Pasternak (benthos) who worked on the hydrobiological observations at the Zoological Institute of the Academy of Sciences USSR and the Institute of Oceanography of the Academy of Sciences USSR. There are 7 references: 5 Soviet, 1 German, and 1 English.

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Foreword

Hydrological and hydrochemical studies
Deepwater hydrological observations

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Card 4/6.

ZVEREV, A.A., kand. geograf. nauk

Some results of hydrological research in the Davis Sea. Inform.
biul. Sov. antark. eksp. no.4:49-54 '59. (MIRA 12:11)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche im.
admirala Makarova,
(Davis Sea--Oceanographic research)

ZVEREV, A. A. ~~Geograf. nauk~~

Abnormal sea-water temperatures in the Olaf Prydz Bay. Inform. biul.
Sov. antarct. eksp. no. 6:30-31 '59. (MIRA 12:11)

1. Leningrad'skoye vysheye inzhenernoye morskoye uchilishche im. admi-
rala Fokarova.

(Prydz Bay--Ocean temperature)

ZVEREV, Anatoliy Arsen'yevich; FETROV, I.G., red.; FRISHMAN, Z.S.,
re'l. izd-va; KOTLYAKOVA, O.I., tekhn. red.

[Marine hydrological forecasting] Morskie gidrologicheskie
prognozy. Leningrad, Izd-vo "Morskoi transport," 1961. 291 p.
(MIRA 15:5)

(Oceanography)

ZVEREV, A.A.

Relationship between the wire angle and wind velocity in the per-
formance of oceanographic observations at sea. Trudy AANII 210:
123-125 '61.

(MIRA 14:11)

(Oceanographic research)

ZVEREV, A.A.

Using vertical stability in analyzing water masses. Okeanologia
3 no.2:200-205 '53. (MIRA 16:4)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche
imeni admirala Makarova.

(Sea water)

**BEREZIN, P.G.; DANILIN, V.I.; YELISTRATOV, S.S.; ZVEREV, A.A.;
ZAMECHNIK, F.F.**

Efficient technology for the founding of large cast iron
ingot molds. Stal' 23 no.2:181-184 F '63. (MIRA 16:2)

1. Volgogradskiy mekhanicheskiy institut i zavod
"Krasnyy Oktyabr'".
(Iron founding) (Ingot molds)

BEREZIN, P.G., kand.tekhn.nauk, dotsent; DANILIN, V.I., inzh.; ZVEREV, A.A., inzh.;
YELISTRATOV, S.S., dotsent; ZAMECHNIK, F.F., inzh.; REDIN, P.F., inzh.

Improving the quality of cast iron for molds. Stal' 21 no.6:571-575
Je '61. (MIRA 14:5)

1. Stalingradskiy mekhanicheskiy institut i zavod "Krasnyy Oktyabr'."
(Cast iron) (Ingot molds)

ZVEREV, A.F., inzh.; KARTALAPOV, F.F., inzh.; MAZUR, Z.M., inzh.;
OVSYANNIKOV, M.I., inzh.; SHUL'GA, I.Ya., inzh.

Concerning the use of a glass fiber tape in the manufacture of
cables. Vest.elektroprom. 33 no.6:61-62 Je '62. (MIRA 15:7)
(Electric cables)

ZVEREV, A. F.

"Pharmacological Aspect of Preparation 126, '2, 6 - dimethoxybenzochinon",
and its use in Suppurative Diseases, Abstract, Farmakol. i Toxicol., 9,
No. 3, 1946; Cand. Med. Sci., Hospital Surgical Clinic, Sverdlovsk Med. Inst.
and Sverdlovsk Affiliate, All-Union Sci. Research, Chemico-Pharmaceutical Inst.,
-1946-.

ZVEREV, A. APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8

Zverev, A. F. "The problems of etiopathogenesis of congenital brain protrusions," Trudy ospit. khirurg. kliniki (Sverd. gos. med. un-t). Vol. IV, 1948, p. 245-60

SO: U-3850, 16 June 53, (Letopis "Zhurnal 'nykh Statey, No. 5, 1949)

ZVEREV, A. F.

Zverev, A. F. Remote results of surgical treatment of innate brain
protrusions, "Izvestiya Gospit. khirurg. klinik (Sverd. gos. med. un-t),
Vol. IV, 1948, p. 245-260

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

ZVEREV, A.-F.

"Congenital Cerebral Hernia and its Surgical Treatment," *Khiirurgiya*, No. 9, 1949.

Dr. Med. Sci., Hosp Surg Clinic, Sverdlovsk Med. Inst. -c1949-

ZVEREV, A.F.

**Gertsen's operation and its modification in congenital cerebral
hernia. Vest. khir. Grekova, Leningr. 72 no. 4:44-48 July-Aug.
1952. (CLML 22:5)**

**1. Professor. 2. Of the Clinic for Children's Surgery of the Pediatric
Faculty (Head -- Prof. A. F. Zverev), Sverdlovsk State Medical Institute
(Director -- V. S. Serebrennikov).**

KALINOVA, Z.I.; YAKOVLEV, I.I., professor, zavednyashchiy; ZVEREV, A.F., professor, direktor; MALYSHEVA, R.A., direktor.

TSov'ianov method of conducting labor in breech presentations. Akush.i gin. (MIRA 6:9)
no.4:37-41 J1-Ag '53.

1. Akushersko-ginekologicheskaya kafedra Sverdlovskogo meditsinskogo instituta (for Yakovlev). 2. Sverdlovskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva (for Malysheva). 3. Sverdlovskiy meditsinskiy institut (for Zverev). (Labor (Obstetrics))

ZVEREV, A.F., prof.

Evaluation of various methods for operating on congenital cerebral
hernia. Khirurgia 32 no.10:60-66 0 '56 (MIRA 12:7)

1. Iz kafedry detskoy khirurgii (zav. - prof. A. F. Averev)
Sverdlovskogo meditsinskogo instituta.
(ENCEPHALOCHEMIA, surg.
congen.)

ZVEREV, A.F., professor (Sverdlovsk, Bankovskiy per. 8, kv. 2))

**A new variant of resection in mammary gland hypertrophy. Vest.khir.
77 no.7:134-135 J1 '56. (MLRA 9:10)**

**1. In kliniki detskoy khirurgii Sverdlovskogo meditsinskogo
instituta (zav. - prof. A.F.Zverev)**

(BREAST, dis.

hypertrophy, in child, surg., method)

(HYPERTROPHY AND HYPERPLASIA

breast hypertrophy in child, surg., method)

ZVEREV, A.F.

**Retroperitoneal lipoma in a child. Nov.khir.arkh. no.1:71 Ja-F '58
(MIRA 11:11)**

**1. Klinika khirurgii detskogo vozrasta Sverdlovskogo meditsinskogo
instituta.**

(ABDOMEN--TUMORS)

SOV/3-58-11-10/38

AUTHOR: Zverev, A.F., Doctor of Medical Sciences; Professor; Institute Director

TITLE: Urgent Changes in the System of Training Physicians (Nazrevshiye izmeneniya v sisteme podgotovki vrachey)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 11, pp 28 - 30 (USSR)

ABSTRACT: The author deals with the reasons for the occasional graduation of mediocre physicians by the institutes, and examines the question as to what must be done to ensure that the medical vuzes train only physicians of high competence and understanding, devoted to their specialty and to the public health. In the first place it is necessary to change the principle of enrolling students at medical vuzes. The best reinforcement is the youth that is coming from hospitals or other public health institutions after having worked there for 2 to 3 years. They yield the best doctors and organizers of public health service, and should be given preference in entering the vuz. Since the number of persons with such practical experience is growing from year to year, it can be safely said that after several years a preliminary professional experience will become obligatory for all persons wishing to study medicine. The admittance should be

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SOV/3-58-11-10/38

Urgent Changes in the System of Training Physicians

coordinated with the demands of the individual economic districts and republics. The Urals, Siberia and the Far East have a shortage of doctors, while the southern districts have a surplus. It is suggested that the Sverdlovsk Medical Institute be expanded, and youth from the local population be given preference. The term of training should remain at 6 years, also day-time instruction should be retained, and the students should discontinue any other work. However, as an experiment, the lessons of the 1st course students may take place in the evening at several institutes. Correspondence tuition is impossible. As some of the students usually drop out, a greater number can be admitted to the first course than is foreseen by the plan. This will ensure that the state plan of training specialists is fulfilled. The author also deals with the question of revising the curricula, uniting some chairs. He comments on practical training and the necessity of assigning hospitals and sanitary-

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ZVEREV, A.F., prof. (Sverdlovsk)

Concerning IA.D.Vitebskii's article "New method for surgery of
congenital nasofrontal cerebral hernias". Nov.khir.arkh.
no.4:121-122 J1-Ag '59. (MIRA 12:11)
(ENCEPHALOCELE) (VITEBSKII, IA.D.)

ZVEREV, A.F., professor (Sverdlovsk, Bankovskiy pereulok, d.8, kv. 29);
KAZAKOV, G.M.

Homoplasty with cartilage of osteomyelitic bone cavities in children
following sequestrectomy, Vest.khir. 83 no.11:56-59 N '59.

(MIRA 13:4)

1. Iz detskoy khirurgicheskoy kliniki (sav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta.

(CARTILAGE transpl.)

(OSTEOMYELITIS in inf. & child.)

ZVEREV, A.F., prof.; GASSAN, Yu.P.

Polycystic kidneys in children. Urologia no.6:58-60 '60.
(MIRA 15:5)

1. Iz kafedry detskoy khirurgii (zav. - prof. A.F. Zverev)
Sverdlovskogo gosudarstvennogo meditsinskogo instituta.
(KIDNEYS--DISEASES)

ZVEREV, A.F., prof. (Sverdlovsk)

Experience with 250 operations in congenital cerebral hernia.
Khirurgiia 36 no.12:93-97 '60. (MIRA 14:1)
(ENOEPHALOCELE)

ZVEREV, A.F., prof.; LAFSHINA, N.P., kand.med.nauk

Osteosynthesis with metal nails for pseudarthrosis in children
with suppurative infections. Khirurgiia 37 no.3:46-49 Mr '61.
(MIRA 14:3)

1. Iz kliniki detskoy khirurgii (zav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta.
(PSEUDARTHROSIS)

ZVEREV, A. F., professor (Sverdlovsk, Bankovskiy per, d. 8, kv. 29);
LAPSHINA, N. P., dotsent

Bone homoplasty in children in conditions of suppurative infection. Vest. khir. no.4:60-66 '62. (MIRA 15:4)

1. Iz kliniki detskoy khirurgii (zav. - prof. A. F. Zverev)
Sverdlovskogo meditsinskogo instituta.

(BONE GRAFTING) (SUPPURATION)

ZVEREV, A. F., prof.; LAPSHINA, N. P., dotsent

Osteosynthesis with metal nails in fractures in children.
Khirurgia no.6:104-108 Je '62. (MIRA 15:7)

1. Iz kafedry detskoy khirurgii (zav. - prof. A. F. Zverev)
Sverdlovskogo meditsinskogo instituta.

(INTERNAL FIXATION IN FRACTURES)

ZVEREV, A.F., prof. (Sverdlovsk, Bankovskiy peresulok, d.3, kv.29)

Primary hypernephroid cancer of the liver in an infant. Vest.
khir. 90 no.5:122-123. My'63 (MIRA 17:5)

1. Iz khirurgicheskoy kliniki detskogo vozrasta (zav.- prof.
A.F. Zverev) Sverdlovskogo meditsinskogo instituta.

ZVEREV, A.F., prof.

Occipital encephalocele. Vest. khir. no.10:106-111 '64.

(MIRA 19:1)

1. Iz kliniki khirurgii detskogo vozrasta (zav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta (rektor - dotsent V.N. Klimov).

ZVEREV, A.F. (Sverdlovsk, Baykovskiy pereulok, d.8, kv.29)

Chemodectoma of the posterior mediastinum in a child. Grud. khir.
6, no.4:108 J1-Ag '64. (MIRA 18)

ZVEREV, A. F. prof.

Heart wound caused by a nail fired from an arbalest. Vest. khir.
93 no. 8:92-93 Ag '64. (MIRA 18:7)

1. Iz kliniki khirurgii detskogo vozrasta (zav. - prof. A.F.Zverev)
Sverdlovskogo meditsinskogo instituta.

ZVEREV, A.F., prof.; GRIDINA, G.I.

Clinical aspects, diagnosis and surgical treatment of portal
hypertension in children. Khirurgiia 39 no. 4:42-49 Ap'63
(MIRA 17:2)

1. Iz kliniki detskoy khirurgii (zav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta.

ZVEREV, A.F., inzh.

Combining of the firing and insulating processes by the electric
cable industry in manufacturing electrical wire. Vest. elektro-
prom. 33 no.12:51-53 D '62. (MIRA 15:12)
(Electric wire and cable industry)

ZVEREV, Arseniy Grigor'yevich; TABUNINA, M.A., red.

[Safety manual for workers engaged in gluing linoleum
and plastic materials] Pamiatka po tekhnike bezopas-
nosti dlia rabochikh, zaniatykh nakleikoi linoleuma i
plastikov. Moskva, Stroiizdat, 1964. 21 p.

(MIRA 17:6)

YEREMEYEVA, Galina Fedorovna; ILINICH, Anna Yakovlevna; TKACHENKO,
Georgiy Stepanovich; ZVEREV, A.G., prof., red.; KHMELININA, Ye.,
red.

[Principles of savings management] Osnovy sberegatel'nogo
dela. Moskva, Finansy, 1965. 107 p. (MIRA 18:5)

ZVEREV, Arseniy Grigor'yevich; TABUNINA, N.A., red.

[Safety manual for parquetry layers] Pamiatka po tekhnike
bezopasnosti dlia parketchika. Moskva, Stroiizdat, 1964. 31 p.
(MIRA 17:8)

ZVEREV, ARSENIY GRIGOR'YEVICH

Voprosy Natsional'nogo Dokhoda I Finansov SSSR. Moskva, Gosfinizdat, 1958.

242 p. Tables. 21 cm.

Bibliographical Footnotes.

ZVEREV, Arseniy Grigor'evich, doktor ekon. nauk; VINOKUR, R.,
otv. red.; KONDRAT'YEVA, A., red.izd-va; FILIPPOVA, E.,
red.izd-va; LEBEDEV, A., tekhn. red.

[Problems of economic work in the financial-credit system]
Voprosy ekonomicheskoi raboty v finansovo-kreditnoy sisteme.
Moskva, Gosfinizdat, 1963. 119 p. (MIRA 16:7)
(Banks and banking) (Auditing and inspection)
(Industrial management)

ZVEREV, A.G.; TABUNINA, M.A., red.izd-va; TARKHOVA, K.Ye., tekhn.
red.

[Safety manual for forgers working on construction projects]
Pamiatka po tekhnike bezopasnosti dlia kuznetsa na stroi-
tel'stve. Moskva, Gosstroizdat, 1963. 19 p. (MIRA 16:8)
(Forging—Safety measures)

ZVEREV, Arseniy Grigor'yevich, doktor ekonom. nauk; PLOTNIKOV, K.N., otv. red.; VINOKUR, R.D., red.; KONDRAT'YEVA, A.I., red.; LEBEDEV, A., tekhn. red.

[The national income and finances of the U.S.S.R.] Natsional'nyi dokhod i finansy SSSR. Moskva, Gosfinizdat, 1961. 343 p.
(MIRA 14:10)

1. Chlen-korrespondent AN SSSR (for Plotnikov).
(Income) (Finance)

ZVEREV, A.G.; FISHER, S.J.

High-styrene rubbers. Biul. tekhn.-ekon. inform. no. 3:44-45 '58.
(Rubber, Synthetic) (MIRA 11:6)

ZVEREV, A.; TIMBUKHTINA, A.

Labor expenditure with various methods of manufacturing
synthetic rubber. Biul.nauch.inform.; trud i zar.plata. no.3:
12-18 '59. (MIRA 12:5)

(Rubber, Synthetic)
(Work measurement)

Electric current supply installations for telephone stations. Moskva, Gos.
Transp. zhel-dor. izd-vo, 1940. 95 p.
(49-56782)

TK6271.Z9

PROCESSED AND PROTECTED UNDER

COMMON ELEMENT

MATERIALS UNIT

9A

Surface interaction between soft iron and molten alloy
containing iron and nature of intermetallic layers. I. S. Dookhin
and A. I. Zvezin. *Metallurgiya* (U. S. S. R.)
No. 11, 1967, 2011-2016. The object of this investiga-
tion was to det. the chem. and phys. changes taking
place on the surface of solid iron contg. Si a trace, C
0.02, Mn 0.07, P 0.008 and S 0.012%, when immersed in
liquid sorbite contg. C 27.35, Si 4.10, Cr 3.30, Ni 4.10,
Mn 1.20 and P 0.07%. Two parallel processes take
place: (1) partial fusion of the pure iron at the surface
and (2) diffusion of the constituents of the sorbite into
the soft iron. The 2nd process continues even after the
solid iron is withdrawn from the sorbite bath and is
allowed to cool. Micrographs are given of cross sections
of the layer formed on the pure iron. S. L. Madorsky

A.S.M.E. METALLURGICAL LITERATURE CLASSIFICATION

GROUP	SECTION	SUBSECTION	CLASSIFICATION
1	2	3	4
5	6	7	8
9	10	11	12
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97	98	99	100

ALEKSEVA, N.P.; DOBINSKAYA, E.N.; ZVEREV, A.I., kandidat meditsinskikh nauk,
zavednyushchiy.

Renal adenosarcoma in a 13 months old child. Sov.med. 17 no.9:33-34 S '53.
(MLRA 6:9)

1. Khirurgicheskoye otdeleniye dorozhnoy bol'nitsy Tashkentskoy zheleznoy dorogi (for Zverev). 2. Patologoanatomicheskoye otdeleniye dorozhnoy bol'nitsy Tashkentskoy zheleznoy dorogi.
(Kidneys--Tumors)

ZVEREV, A.I., Doc Med Sci -- (diss) "^{Pouches}~~Bubbles~~ in the human
peritoneum and their practical significance." Izhevsk, 1959,
25 pp (Min of Health RSFSR. Kazan' Med Inst) 250 copies
(KL, 34-59, 116)

"Blood Transfusion in Ambulatory Practice," Sov. Med., No. 6, 1949.
Road Station for Blood Transfusion of the Tashkent Railway, -1949-

Primary cancer of the liver in an 11-year-old child. Khirurgiia
no.3:77-78 Mr '54. (MIRA 7:5)

1. Iz khirurgicheskogo otdeleniya (nach. A.I.Zverev) i patologo-
anatomicheskogo otdeleniya (nach.K.N.Dolinskaya) 'Sentral'noy
bol'nitsy Tashkent'skoy shelesnoy dorogi.
(LIVER, neoplasms,
in child, primary malignant)

DERYABIN, V.I.; ZVEREV, A.M.; LYSIKOV, V.P.; UDARTSEV, Ye.P.

Building of a 47-ton displacement cruising yacht.
Sudostroenie 26' no.6:37-38 Je '60. (MIRA 13:7)
(Yacht building)

ZVEREV, A.H., podpolkovnik meditsinskoy sluzhby

**Flowlike trap for catching mites. Voen.-med.shur. no.9:88-89 s '56.
(INSECTS—COLLECTION AND PRESERVATION) (MIRA 10:3)**

ZURBEV, A. N. **COMPARATIVE Evaluation of the Method of Natural Smear and the
Fulleborne Method.

Voyenno-Meditsinskiy Zhurnal, No. 11, pp. 70-79, 1961.

ZVEREV, A.N.

Comparative evaluation of the method of natural smears and the
method of Fulleborn. Voen.-med. zhur. no.11:79 N '61. (MIRA 15:6)
(FECES--ANALYSIS) (HELMINTHOLOGY)

ZVEREV, A.N.

Cultivator-type tick trap. Zool.zhur. 35 no.1:155-156 Ja '56.
(MLBA 9:5)

1. Voenno-meditsinskiy otdel Prikarpatskogo voyennogo okruga.
(Insect traps)

ACC NR: AR6019465 (A)

SOURCE CODE: UR/0081/66/000/002/S073/S073

AUTHOR: Kvasnikov, Ye. N.; Zverev, A. N.

19
18
B

TITLE: Effect of temperature on strength and deformation properties of certain construction plastics

SOURCE: Ref zh. khim, Part II, Abs. 2S504

REF SOURCE: Sb. Inzh. konstruksiy. Dokl. k XXIII Nauchn. konferentsii. Leningr. inzh.-stroit. in-ta., L., 1965, 170-175

TOPIC TAGS: glass fiber, glass textolite, laminated material, plastic strength, tensile strength, deformation, compressive stress, mechanical stress, thermal stress

ABSTRACT: Three types of construction plastics were subjected to tests under uniaxial stress and compression under conditions of short term exposure to reduced and elevated temperatures from -50 to +90°: glass fiber anisotropic material SVAM with 1:1 and 1:5 anisotropy based on binder ED-6 modified with bakolite lacquer; glass textolite based on polyester binder PN-1 and TU-16/13 brand cloth; and, wood laminate plastic DSP-B with phenol binder. It was shown that there is a nearly linear relationship between temperature and the strength of the glass

L 46295-06

ACC NR: AR6019465

reinforced plastics under stress and compression (glass textolite based on PN-1 binder is an exception). The stability of the mechanical indices of glass reinforced plastics at different temperatures depends more on the kind of binder than on the type of filler. V. Privalko.
/Translation of abstract/.

SUB CODE: 11,20

ACC NR: AR6016478

SOURCE CODE: UR/0124/65/000/012/V099/V099

AUTHOR: Kvasnikov, Ye. N.; Zverev, A. N.

45
B

TITLE: Effect of temperature on the strength and deformation properties of some structural plastics

SOURCE: Ref. zh. Mekhanika, Abs. 12V847

REF SOURCE: Sb. Inzh. konstruksiy. Dokl. k XXIII Nauchn. konferentsii. Leningr. inzh.-stroit. in-ta. L., 1965, 170-175

TOPIC TAGS: material deformation, fiberglass reinforced plastic, tensile strength, compressive strength, low temperature effect, high temperature effect

ABSTRACT: Three types of structural plastics were tested for uniaxial tension and compression for brief periods at low and high temperatures (-50-+90°C): an anisotropic fiberglass material with an anisotropy of 1:1 and 1:5, fiberglass-reinforced textolite and wood-reinforced laminated plastic. It is shown that there is a nearly linear relationship between strength and temperature in fiberglass-reinforced plastics under tension and compression (with the exception of fiberglass-reinforced textolite). V. Privalko. [Translation of abstract]

SUB CODE: 11

Card 1/1

FEDOROV, V.S.; RYABCHIKOV, V.R.; POLYAKOV, I.S.; SOROKIN, N.I.; RYABYKH, P.M.;
NOVIK, N.G.; SLEPUKHA, T.F.; DRASHKOVSKIY, K.M.; LALABEKOV, S.K.;
AREF'YEV, A.P.; YEVSTAF'YEV, V.V.; VEREV, A.P.; NERSESOV, L.G.;
GROSSMAN, E.I.; BERMAN, A.O.

Petr Aleksandrovich Smirnov, 1902-1958; obituary. Khim. i tekhn. topl.
1 masel. 3 no.12:68 D '58. (MIRA 11:12)
(Smirnov, Petr Aleksandrovich, 1902-1958)

Method of determining the amount of metal used in making castings. Lit.
proizv. no.6:25-26 Je '53.

(MLRA 6:7)
(Founding)

PHASE II

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 20 - II

BOOK

Call No.: QC 861.T85

Authors: ZVEREV, A. S., KIRYUKHIN, B. V., KONDRAT'YEV, K. YA.,
SELEZNEVA, YE. S., TVERSKOY, P. N. YUDIN, M. I.

Full Title: COURSE OF METEOROLOGY (PHYSICS OF THE ATMOSPHERE)

Transliterated Title: Kurs meteorologii (Fizika atmosfery)

Publishing Data

Originating Agency: None

Publishing House: Hydrometeorological Publishing House (GIMIZ)

Date: 1951

No. pp.: 888

No. of copies: 10,000

Editorial Staff

Editor: Professor Tverskoy, P. N.

Tech. Ed.: None

Editor-in-Chief: None

Appraiser: None

Others: 1) Scientific Council and the scientific personnel of
the Main Geophysical Observatory, 2) Prof. Khromov, S. P.,
who critically analysed the manuscript.

Text Data

Coverage: A fundamental course in the physics of the atmosphere, covering its
properties, methods of investigation, application of thermodynamics,
radiant energy, heat energy, water vapor, motion, weather and its
forecasting, atmospheric optics, electricity, and acoustics.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 453 - I

BOOK

Call No.: AF632826

Author: ZVEREV, A. S.

Full Title: FOGS AND THEIR FORECASTING

Transliterated Title: Tumany i ikh predskazaniye

Publishing Data

Originating Agency: None

Publishing House: Hydrometeorological Publishing House "Gidrometeoizdat"

Date: 1954

No. pp.: 74

No. of copies: 11,000

Editorial Staff

Editor: Kiryukhin, B. V.

Appraisers: Pchelko, I. G., Sadovnikov, A. V., Gurov, B. P. and
Broydo, A. G.

Text Data

Coverage: This is an account of the results obtained by Soviet scientists in recent years in the field of forecasting the formation and dispersion of fogs. The author considers that this problem is not yet completely solved but that Soviet investigations have improved the quality of fog forecasts which are important for all forms of transport, particularly for aviation. Special attention is given to physical processes of fog formation. Facts exposed in this monograph can be applied to any geographical region. Local features of fog formation and dispersion are not discussed in this work but they must be

Tumany i ikh predskazaniye

AID 453 - I

considered by forecasters. The monograph is based on investigations made by the author, by B. V. Kiryukhin and by graduate students of the Leningrad Hydrometeorological Institute. The book is one of the series "Scientific-Popular Library". It contains tables and diagrams.

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4

Foreword
Ch. I Properties of Fogs. Conditions of their Formation and Dispersion

- 1. Basic Properties of Fogs 5
- 2. Condensation of Water Vapor and Fog Formation 9
- 3. Radiation Fogs 12
- 4. Advection Fogs 17
- 5. Other Types of Fogs 21
- 6. Dispersion of Fogs 27
- 7. Classification of Fogs 31
- 8. Synoptic Conditions of Fog Formation 35

- Ch. II Fog Forecasting
- 1. General Principles of Fog Forecasting 37
 - 2. Estimation of the Cooling necessary for Fog Formation in a given Air Mass 40
 - 3. Forecasting the Cooling of Air 48

Tumany i ikh predskazaniye

AID 453 - I

	PAGE
4. Graphic Method of Forecasting Fogs and the Drop of Night Temperature	59
5. Additional Remarks on Fog Forecasting	71
Conclusion	73
Bibliography	74

Purpose: Popular study of fogs with general indications for forecasters.
Facilities: Leningrad Hydrometeorological Institute
No. of Russian and Slavic References: 16 Russian (1936-1953)
Available: A.I.D., Library of Congress.

ZVEREV, A.S.

PHASE I BOOK EXPLOITATION

SOV/1912

3(7)

Uchebnyy sinopticheskiy atlas (School Synoptical Atlas of Weather Maps) Pt. 1. Leningrad, Gidrometeor. Izd-vo, 1956. 48 fold. maps (in portfolio) 8,000 copies printed.

Compilers: K.G. Abramovich, P.D. Astapenko, V.V. Bykov, V.I. Bushuk, V.P. Gurov, A.S. Zverev, L.S. Minina, A.A. Morozkin, L.L. Ruppert, and B.M. Sergeyev; Ed. (Title page): Kh. P. Pogosyan, Professor; Ed. (Inside book): M.M. Yasnogorodskaya; Tech. Ed.: A.A. Soloveychik.

— Zadaniya dlya studentov k "Uchebnomu, sinopticheskomu atlasu," chast' 1. (Assignments for Students using the "School Synoptical Atlas of Weather Maps, Pt. 1) 1956. 114 p. Compiler: A.S. Zverev; Ed.: M.M. Yasnogorodskaya.

PURPOSE: This atlas is intended for use by students at institutions of higher learning specializing in meteorology.

Card 1/3

School Synoptical (Cont.)

SOV/1912

COVERAGE: The atlas consists of 96 weather maps (48 sheets) on an identical base, giving detailed meteorological and aerological information for certain months of 1952-1955. These maps (1:10 mill.) cover portions of Greenland and the eastern tip of Canada, all of Europe, North Africa, the Near East, Central Siberia, and the Siberian polar regions to approximately 100° E. Included with the atlas is a booklet of lesson assignments based on the information compiled on the weather maps. The appendix to the lesson assignment booklet contains 12 tables of synoptic weather information from the field reporting stations shown on the maps. Compilation of the atlas was conducted under the direction of the following scientific personnel: Candidate of Physical and Mathematical Sciences K.G. Abramovich, Candidate of Physical and Mathematical Sciences V.V. Bykov, Candidate of Geographical Sciences L.S. Minina, Candidate of Geographical Sciences P.D. Astapenko, Candidate of Physical and Mathematical Sciences V.P. Gurov, Meteorologist A.A. Morozkin, Candidate of Geographical Sciences Ruppert, Meteorologist B.M. Sergeev, Candidate of Geographical Sciences V.I. Bushuk and Candidate of Physical and Mathematical Sciences A.S. Zveryev.

School Synoptical (Cont.)

SOV/1912

Specialists from the Tsentral'nyy institut prognozov, the
Meteorologicheskii fakul'tet Voennovozdukhnoy Akademii
im. A.F. Mozhayskogo, and the Leningradskiy gidrometeorologicheskii
institut helped in compiling the Atlas. No references are given.

TABLE OF CONTENTS: None given

AVAILABLE: Library of Congress

Card 3/3

6/17/59
MM/jab

KHRGIAN, A.Kh.; BOBOVIKOV, A.M.; DZHRDZHEYEVSKIY, B.L.; DYUBYUK, A.P.;
~~ZVEREV, A.S.~~ ZOLOTAREV, M.A.; KRICHAK, O.G.; KLHMIN, I.A.;
PINUS, N.Z.; SELEZNEVA, Ye.S.; YASNOGORODSKAYA, M.M., red.;
VLADIMIROV, O.G., tekhn.red.

[Cloud atlas] Atlas oblakov. Leningrad, Gidrometeor.isd-vo,
1957. 45 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeoro-
logicheskoy sluzhby.
(Clouds)

ASTAPENKO, P.D., kand.geograficheskikh nauk; BURTSEV, A.I., kand.fiziko-matematicheskikh nauk; GUROV, V.P., kand.fiziko-matematicheskikh nauk; ZVEREV, A.S., kand.fiziko-matematicheskikh nauk; ZUBYAN, G.D., doktor geograficheskikh nauk; MININA, L.S., kand.geograficheskikh nauk; MOROZKIN, A.A., inzhener-meteorolog; RUPPERT, L.L., kand.geograficheskikh nauk; SERGEYEV, B.M., inzhener-meteorolog; SAMOYLOV, A.I., kand.fiziko-matematicheskikh nauk; TURKUTTI, Z.L., kand.geograficheskikh nauk; CHERNOVA, V.F., starshiy nauchnyy sotrudnik; CHISTYAKOV, A.D., kand.fiziko-matematicheskikh nauk; POGOSYAN, Kh.P., prof., red.; YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.P., tekhn.red.

[Synoptic study atlas] Uchebnyi sinopticheski atlas. Leningrad, Gidrometeor. izd-vo. Pt.2, (Sost. P.D.Astapenko i dr.) 1957. 90 fold. maps (in portfolio) [Practical recommendations and assignments for students using the "Synoptic study atlas" Metodicheskie rekomendatsii i zadaniia dlia studentov k "Uchebnomu sinopticheskomu atlasu," chast' 2. Sost. A.S.Zverev. 1957. 87 p.

- Central Soviet Union* (MIRA 11:3)
1. Tsentral'nyy institut prognozov (for Chernova)
(Climatology--Charts, diagrams, etc.)

Call Nr: #1157025

ZVEREV, ALEKSEY S.

AUTHOR: Zverev, Aleksey S.
TITLE: Synoptic Meteorology (Sinopticheskaya meteorologiya)
PUB. DATA: Gidrometeorologicheskoye izdatel'stvo, Leningrad,
1957, 559 pp., 5300 copies
ORIG. AGENCY: None given
EDITORS: Responsible Ed.: Pchelko, I.G.; Editor: Yasnogorodskaya,
M.M.; Tech. Ed.: Kononova, L.B.; Correctors: Mamedova,
V.V. and Mezhikovskaya, F.I.
PURPOSE: The book is written for students of hydrometeorological
institutes, universities, and other institutions of
learning, as well as weather services personnel and
other persons interested in short-term forecasting.
COVERAGE: This is a systematic exposition of problems in synoptic
meteorology and the practical means of analyzing and
forecasting weather. The book represents the substance
of the lectures delivered by the author at the
Leningrad Hydrometeorological Institute and has been,
he says, brought up to the level of modern understanding
of hydrometeorological problems. A list of 166 references,

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Call Nr: 1157025

Synoptic Meteorology (cont)

160 of which are USSR, 5 English, 1 German and a very useful appendix close the book. There are 9 chapters covering all the essentials of the subject. Chapter 1 presents basic concepts of synoptic meteorology, its historic development, and the modern multi-phase approach in solving meteorological problems by the three-dimensional technique of analyzing atmospheric processes. The present organization of meteorological services in the USSR, the simultaneous observation method, the accumulation and dissemination of data, and the accepted meteorological code are all discussed. Physical conditions in the atmosphere and efforts to forecast and to affect weather through human intervention are also considered. Chapter 2 analyzes the various fields of meteorological elements, the technique of preparing and analyzing near-surface weather maps, baric topography maps, maps of the distribution of wind fields, geostrophic and thermal winds, maps, etc. Error correction and dynamic equations for conditions of continuity are presented. Chapter 3 deals with the transfer of energy and problems of general atmospheric circulation of which cyclones and anticyclones are but two basic forms. The many schematic drawings and climatic maps appearing in the text are highly instructive. Chapter 4 covers the main weather-creating factors and discusses the causes for variations with time. Circulation, transformation and orographic features affecting weather, and an analysis of local variations in

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Call Nr: 1157025

Synoptic Meteorology (cont)

air pressure and temperature are included in this chapter, which also gives Kibel's solution of such hydrodynamic problems, and Fridman's velocity vortex. Chapter 5 concerns the formation and geographic classification and distribution of stable and unstable air masses, and is amply illustrated. Chapter 6 describes atmospheric fronts, their formation and wash-out, isotherm and inversion layers, and Margules' formula. Baric and isoallobaric field fronts and their displacements are also discussed. Chapter 7 discusses types and stages and the displacement of tropical and non-tropical cyclones and anticyclones. In the absence of a fully developed and accepted theory for such processes the author reviews the convective, thermal and vortex theories and also touches upon the wave, divergent and advecto-dynamic theories; typical conditions in various regions and localities are well illustrated. Chapters 8 and 9 refer to the most important problem in meteorology, i.e., short and long-range weather forecasting. This is achieved through advance computations based on interpolation and extrapolation, the study of synoptic situations, and the prognostication of all possible phenomena including special conditions. Mapping forecasts and

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Synoptic Meteorology (cont)

prognostication techniques used abroad are described.

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 2. Connection between synoptic meteorology and other branches of science (12)
 3. Importance of the weather forecasts in the national economy and in the defense (13)
 4. Fundamental concepts of synoptic meteorology (14)
 5. Problem of scientific weather prognosis and ways of solution (20)
 6. Problem of the active influence on weather (23)
2. Fundamental stages in the development of synoptic meteorology
 1. Pre-synoptic period of weather study (24)
 2. Organization of the weather services (26)
 3. Evolution of synoptic meteorology in the 19th and the beginning of the 20th centuries (27)

24-33

Card 4/22

POGOSYAN, Khoren Petrovich; ZVEREV, A.S., otv.red.; YASHOGORODSKAYA,
M.M., red.; BRAYNINA, M.I., ~~otv.red.~~

[General circulation of the atmosphere] Obshchaya tsirkulyatsiya
atmosfery. Leningrad, Gidrometeor.izd-vo, 1959. 259 p.
(Atmosphere) (MIRA 12:4)

**ASTAPENKO, P.D.; ZVEREV, A.S., doktor geograf.nauk, otv.red.; KAPITSA,
M.P., red.; POLYAKOVA, T.V., tekhn.red.**

**[Atmospheric processes in high latitudes of the Southern Hemisphere]
Atmosfernye protsessy v vysokikh shiroтах iuzhnogo polushariia.
Moskva, Izd-vo Akad.nauk SSSR, 1960. 281 p. (II razdel programmy
MGG (meteorologiya), no.3) (MIRA 13:12)
(Antarctica--Atmosphere)**

Synoptic Meteorology. Wright-Patterson Air Force Base, 1960.
689 L. Illus., Diagr., Graphs, Tables (F-TS-9817/V)
Translated from the original Russian: Sinopticheskaya Meteorologiya,
Leningrad, 1957.
Bibliography: L. 664-689.

ZVEREV, A.S.

Saving of metal in foundry production. Lit. proizv. no.12:16 D '64.
(MIRA 18:3)

USPENSKIY, B.D., doktor fiz.-mat. nauk, prof.; BELOUSOV, S.L., kand.
fiz.-mat. nauk; PYATYGINA, K.V.; YUDIN, M.I.; MERTSALOV,
A.N., kand. fiz.-mat. nauk; DAVYDOVA, O.A.; KUPYANSKAYA,
A.P.; PETRICHENKO, I.A.; MORSKOY, G.I.; TOMASHEVICH, L.V.;
SAMOYLOV, A.I.; ORLOVA, Ye.I.; DZHORDZHIO, V.A.; PETRENKO,
N.V.; DUBOVYY, A.S.; ROMOV, A.I.; PETROSYANTS, M.A.; GLAZOVAYA,
S.P.; BAYAYEVA, T.F.; BEL'SKAYA, N.N.; CHISTYAKOV, A.D.;
GANDIN, L.S.; BURTSEV, A.I.; MERTSALOV, A.N.; BAGROVYY, N.A.;
BELOV, P.N.; ZVEREV, A.S., retsenzent; SIDENKO, G.V.,
red.; DUBENTSOV, V.R., kand. fiz.-mat. nauk, nauchn. red.;
SAGATOVSKIY, N.V., red.; BUGAYEV, V.A., doktor geogr. nauk,
prof., red.; ROGOVSKAYA, Ye.G., red.

[Manual on short-range weather forecasts] Rukovodstvo po
kratkosrochnym prognozam pogody. Leningrad, Gidrometeoizdat.
Pt.1. Izd.2., perer. i dop. 1964. 519 p. (MIRA 18:1)

1. Moscow. Tsentral'nyy institut prognozov.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8"

ZVEREV, A.S.

Selecting melting furnaces for magnesium alloys. Lit. proizv. no. 9:
17 8 '64. (MIRA 18:10)

ZVEREV, A. T.: "Experimental neuroses in dogs and treating them with medicinal sleep." Acad Med Sci USSR. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Sciences.)

Source: Knizhnaya letopis' No 40. 1956 Moscow

ZVEREV, A.T.

Mechanism of certain experimental neuroses in dogs. Zhur.vys.nerv.
deiat. 7 no.3:434-441 My-Je '57. (MIRA 10:10)

1. Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'no-
sti Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.
(NEUROSES, experimental,
in dogs (Rus))

~~SECRET~~
Dryg-induced asleep in the treatment of experimental neuroses in dogs.
[with summary in English]. Biul. eksp. biol. i med. 43 no.6:29-32
Je '57. (MIRA 10:10)

1. Iz laboratorii vysshey nervnoy deyatel'nosti (zav. - Ye.A.Yakovleva)
Instituta fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.
Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenoz
AMN SSSR prof. V.N.Chernigovskim.
(NEUROSES, experimental,
eff. of medication sleep ther. (Rus))
(SLEEP, effects,
on exper. neuroses in dogs, medication sleep ther. (Rus))

ZVEREV, A.T.

Analysis of certain mechanisms of experimental neuroses with traits
of a fixed (stereotypic) motor irritation [with summary in English].
Zhur.vys.nerv.delat. 9 no.1:85-91 Ja-F '59. (MIRA 12:3)

1. Laboratory of Physiology and Pathology of Higher Nervous Activity,
Institute of Normal and Pathological Physiology, U.S.S.R. Academy of
Medical Sciences, Moscow.

(NEUROSES, exper.

mechanisms of neuroses with stereotypic motor irritation
(Rus))

ACCESSION NR: AT4042682

S/0000/63/000/000/0197/0198

AUTHOR: Zverev, A. T.; Kitayev-Say*k, L. A.

TITLE: Effects of short-term weightlessness on the nervous system

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963.
Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy konferentsii. Moscow, 1963, 197-198

TOPIC TAGS: weightlessness, nervous system, performance test, angular acceleration, Coriolis acceleration

ABSTRACT: Experiments were performed in order to determine the ability of men to perform certain types of tasks under conditions of weightlessness. The tasks included responding to lights, numbers, and needle indicators. If a light lit up, the subject had to connect contacts. If a 3-digit figure appeared, he had to dial the number on a telephone-like dial. In the case of the needle indicator, the subject had to maintain it on center while the needle deviated according to a programmed tape. In work with contacts, when the aircraft was gathering speed, execution time was reduced; during initial excess g execution time became still.

Card 1/2

ACCESSION NR: AT4042682

less; during weightlessness it became greater, often greater than the initial level; during the second excess g it diminished once more; and during the second level flight it increased. Execution times for work with 3-digit numbers followed the same pattern. The magnitude of error in work with keeping the needle indicator on center was 1.5--2 times as great during initial and post-weightless overloads as it was during level flight. During weightlessness, the magnitude of error over level flight increased by a factor of 3--4. When subjected to angular accelerations, the magnitude of error increased by 10--15%. During coriolis accelerations, the margin of error also increased in all stages of flight, but was particularly marked during weightlessness when it increased 8- to 10-fold. These objective data contrasted with subjective evaluations of the subjects who felt that it was more difficult to work during excess g than during weightlessness.

ASSOCIATION: none

SUBMITTED: 27Sep63

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 000

Card 2/2

E 31992-66 FSS-2/ENI 3-7
ACC NR: AT6012903

SOURCE CODE: UR/0000/65/000/000/0245/0252

47
3-1

AUTHOR: Kitayev-Smyk, L. A.; Zverev, A. T.

ORG: none

TITLE: The influence of short-term weightlessness and the combined action of weightlessness and angular and Coriolis acceleration on some functions of the human operator

SOURCE: Sistema chelovek i avtomat (Man-automaton systems). Moscow, Izd-vo Nauka, 1965, 245-252

TOPIC TAGS: weightlessness, angular acceleration, Coriolis *FORCE*, man, man machine communication, automaton, human engineering, human physiology, *VESTIBULAR DISTURBANCE*

ABSTRACT: The progress of cosmonautics has posed the problem of development of an optimal version for the inclusion of man in the cosmic-apparatus system. In the solution of this problem it will be necessary to take into account some of the specific effects to which the operator-cosmonaut will be subjected in flight, such as weightlessness. The present article was written as part of the program of investigation of the activity of man-operator subjected to weightlessness and to the combined action of weightlessness and angular and Coriolis acceleration. The conditions of weightlessness were created in an aircraft in parabolic flight, with the duration of weightlessness lasting for 28-30 sec, preceded by and followed by G force up to 15 sec. In some tests, weightlessness was established without

ACC NR: AT6012903

being preceded or followed by G force application. It was found that an increase in the time of motion reaction and a rise in the error during operation in weightlessness may be the result of known disorders of the function of the visual and motor analyzer, as well as a disorder in central integration. The difference in the direction of the variation in the time of the motion reaction during weightlessness and G force may be compared to the contrasting variations in the muscular tonus in these conditions. The substantial decrease in the quality of work of the operators, and the appearance of vestibulovegetative disturbances in them during the combined action of weightlessness and Coriolis acceleration, which, first of all, influences the vestibular apparatus, confirms the opinion of many authors that weightlessness primarily promotes disorder in vestibular function. A reduction in the performance quality during weightlessness and angular and Coriolis acceleration, furthermore, may promote a variation in the coupling between the human body and the support, i.e., the seat. The character of motion is undoubtedly affected by the absence of the weight of the extremities and the trunk. This, according to the authors, primarily explains the reduction in the time of putting on and taking off the parachute harness in conditions of zero gravity. In an evaluation of the data obtained it is necessary to take into consideration the fact that during the first 30 sec of weightlessness, the processes of adaptation and stabilization occurring in the neuropsychic, cardiovascular, and other systems of the organism apparently are not completed. Orig. art. has: 3 figures and 2 tables. [08]

SUB CODE: 05// SUBM DATE: 02Aug65/ ATD PRESS: 502/

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PHASE I BOOK EXPLOITATION

SOV/2936

Zverev, Anatoliy Vladimirovich

Ryady Fur'ye i integral Fur'ye; lektsiya dlya studentov zaachnykh
VTUZov (Fourier's Series and Integrals; Lecture for Students of Correspondence
Schools of Higher Technical Education) Moscow, 1958. 46 p.
3,000 copies printed.

Sponsoring Agency: Vsesoyuznyy zaachnyy politekhnicheskiy institut.
Kafedra vysshey matematiki.

Ed.: F.A. Bakshiyani, Professor; Resp. Ed.: F.A. Bakshiyani, Professor;
Ed. of Publishing House: I.I. Bank; Tech. Ed.: P.G. Bobrov.

PURPOSE: This booklet is intended especially for correspondence students.

COVERAGE: The booklet presents the essentials of the material and gives a
sufficient number of selected problems and examples which have practical
application. It also contains a discussion of the Fourier Integral, an
understanding of which is necessary for students of the energetics

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Fourier's Series and Integrals; (Cont.)

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and electrophysical departments. The booklet is one of the chapters of a general textbook on mathematical analysis written by the department of higher mathematics at the All-Union Polytechnic Correspondence Institute. No personalities are mentioned. There are no references.

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Fourier's Series and Integrals; (Cont.)

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I.I., red.izd-va; BOBROV, P.G., tekhn.red.
I.I., red.izd-va; BOBROV, P.G., tekhn.red.; BAKHSHIYAN, F.A., prof., otv.red.; BANK,

[Fourier's series and integrals; lecture for students of technical
correspondence colleges] Riady Fur'e i integral Fur'e; lektsiia
dlia studentov zaachnykh VTUZov. Pod red. F.A. Bakhshiana.
Moskva, 1958. 46 p. (MIRA 12:2)

(Fourier's series)

ZVEREV, A. Ye.

Problem concerning the operational accuracy of a converter of small
linear displacements. Avtom. upr. i vych. tekhn. no. 5:356-364 '62.

(Automatic control) (Electronic digital computers)
(MIRA 15:9)

~~APPROVED FOR RELEASE: Thursday, September 26, 2002~~ KORZANOV, V.D., dots.

[Mathematical methods for analyzing linear electrical
networks] Matematicheskie metody analiza lineinykh
elektricheskikh tsepei; uchebnoe posobie. Moskva, Mosk.
aviatsionnyi tekhnologicheskii in-t, 1963. 154 p.
(MIRA 17:5)

tekh. nauk, dotsent; ZVEREV, A.Ye., inzh.
Effect of vibration on the operational accuracy of a DP converter.
Vych. tekh. [MVTU] no.3:229-237 '63.
(MIRA 17:2)

"Fluctuations in the Water Temperature of Deep Layers of the Sea," Meteorol. i
Gidrologiya, No 4, 1954, pp 39-41

Observations conducted by the authors by means of deep-water thermometers and resistance thermometers on the temperature of the deep waters of the Vyborsk Gulf and B'yerk-Zund testify to the existence of short and ultrashort period oscillations differing as to intensity, with cycles calculated in hours, minutes, and even seconds. The observations were carried out at various deep horizons of 22 stations at different times of the day and for various conditions of the weather (in the case of considerable roll of the boat the thermometer of resistance was placed in a special bupy). The temperature readings were taken every 15 seconds (sometimes every 1-3 minutes). (RZhGeol, No 3, 1955) SO: Swa. No. 713, 9 Nov 55

SVIRIDOV, A. A. AND BERENBIYM, D. YA.

Computation and Correction of the Horizons of Submersion of Bathometers

The insufficiencies of the procedure for computing the horizons according to the tables of A.I. Kireyev are the complexities and tremendousness of the computations, which must be carried out aboard ship, and also the impossibility of assigning all bathometers to standard horizons. The authors propose to simplify and make more precise the existing method of computing horizons. (RZhGeol, No. 5, 1955) Uch. zap. Vyssh. arkt. mor. uchilishcha, No. 5, 1954, 204-211

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

SOMOV, M.M., doktor geograf.nauk, red.; TAUBER, G.M., doktor geograf.
nauk, red.; DOLGIN, I.M., kand.geograf.nauk, red.; ZVEREV, A.A.,
kand.geograf.nauk, red.; DROZHZHINA, L.P., tekhn.red.

[Materials of the Soviet Complex Antarctic Expedition] Materialy
Sovetskoi kompleksnoi antarkticheskoi ekspeditsii. Leningrad,
Izd-vo "Morskoi transport." Vol.2. [First Continental Expedition,
1955-1957; scientific results] Pervaia kontinental'naia ekspeditsiia,
1955-1957 gg.; nauchnye rezul'taty. Pod red. M.M.Somova. 1959.
161 p. Vol.3. [First Continental Expedition, 1955-1957; observation
data] Pervaia kontinental'naia ekspeditsiia, 1955-1957 gg.; materialy
nabliudeni. Pod red. G.M.Tauber. 1959. 459 p. Vol.4. [First
Continental Expedition, 1955-1957; observation data] Pervaia konti-
nental'naia ekspeditsiia, 1955-1957 gg.; materialy nabliudeni. Pod
red.G.M.Tauber, I.M.Dolgina. 1959. 482 p. Vol.6. [Second Marine
Expedition in the diesel-electric ship "Ob'", 1956-1957; observa-
tion data] Vtoraia morskaiia ekspeditsiia na d/e "Ob'", 1956-1957 gg.;
materialy nabliudeni. Pod red. A.A.Zvereva. 1959. 386 p.

(MIRA 13:3)

1. Sovetskaya kompleksnaya antarkticheskaya ekspeditsiia, 1955-1958.
(Antarctic regions--Russian exploration)

ZVEREV, A. A.

PHASE I BOOK EXPLOITATION SOV/4351

Sovetskaya antarkticheskaya ekspeditsiya, 1955-

Vtoraya morskaya ekspeditsiya na d/e "Ob'", 1956-1957 gg.;
materialy nablyudeni (Second Marine Expedition on the
Diesel-Electric Ship "Ob'", 1956-1957; Materials From
Observations) Leningrad, Izd-vo "Morskoy transport,"
1959. 386 p. Errata slip inserted. (Series: Its:
Materialy, tom. 6) 800 copies printed.

Sponsoring Agency: Arkticheskiy i antarkticheskiy nauchno-
issledovatel'skiy institut.

Ed.: A. A. Zverev, Candidate of Geographical Sciences; Tech.
Ed.: L. P. Drozhzhina.

PURPOSE: This book is intended for oceanographers, hydro-
logists, and hydrochemists.

COVERAGE: This is Volume 6 of a multivolume work containing
scientific data collected during Soviet Antarctic expeditions.
The volume is a compilation of oceanographic data re-
corded by the Second Soviet Marine Expedition, headed
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Second Marine Expedition (Cont.)

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by Professor I. V. Maksimov, during a voyage on the diesel-electric ship "Ob'", from November 1956 to June 1957. The hydrological, hydrochemical, and biological observations of the expedition were conducted off the northern coast of Antarctica between the Antarctic Continent and Capetown and in the Indian Ocean as far as Calcutta. These included visual and semi-instrumental observations of waves, sea ice and icebergs; the determination of salinity, alkalinity, pH values, and the content of silicates, nitrates, and dissolved oxygen; the measurement of temperature; the recording of the velocity and direction of surface and deep currents; the determination of the color and transparency of water; and the collection of fauna and flora, particularly plankton. Among the instruments used in making the observations were Alekseyev BFV-2 and BFV-2r current meters, electromagnetic current meters (EMIT) for measuring surface currents, VOM-50 and GM-16 wavemeters, BM-48 bathometers, EPP-09 potentiometers, K-17-B stereophotocameras, ST-55 electrical thermometers, thermal depth gages, deep-water thermometers, and thermobathygraphs. The following scientists participated in processing and interpreting the data obtained: K. V. Moroshkin and A. A. Zverev, who

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Second Marine Expedition (Cont.)

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directed the processing of deep-water hydrological recordings and observations on currents at the Institut okeanologii AN SSSR (Institute of Oceanography of the Academy of Sciences USSR) and the Leningradskoye vyssheye inzhenernoye uchilishche imeni admirala Makarova (Leningrad Higher Naval Engineering School imeni Admiral Makarov); M. A. Bogdanov, who processed the observations on currents at the Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii (All-Union Scientific Research Institute of Fisheries and Oceanography); A. P. Morozov, who directed the processing of visual wave observations and wave data at the Leningradskoye otdeleniye Gosudarstvennogo okeanograficheskogo instituta (Leningrad Branch of the State Oceanographic Institute); A. A. Dreyyer, staff member of the Gosudarstvennyy okeanograficheskiy institut Gidrometsluzhby SSSR (State Oceanographic Institute of the Hydrometeorological Service of the USSR) who worked on wave measurements; V. P. Kozhukhov, who worked on the observations of the dip of the visible horizon at the Leningrad Higher Naval Engineering School imeni Admiral Makarov; A. N. Bogoyavlenskiy, who worked on the results

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Second Marine Expedition (Cont.)

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of hydrochemical observations at the Institute of Oceanography of the Academy of Sciences USSR; V. V. Barsukov and Yu. Ye. Permitin, who worked on the ichthyological materials at the Zoologicheskii institut AN SSSR (Zoological Institute of the Academy of Sciences USSR) and the All-Union Scientific Research Institute of Fisheries and Oceanography; K. V. Beklemishev and V. S. Korotkevich (plankton), and A. V. Gusev and F. A. Pasternak (benthos) who worked on the hydrobiological observations at the Zoological Institute of the Academy of Sciences USSR and the Institute of Oceanography of the Academy of Sciences USSR. There are 7 references: 5 Soviet, 1 German, and 1 English.

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Foreword

Hydrological and hydrochemical studies
Deepwater hydrological observations

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ZVEREV, A.A., kand. geograf. nauk

Some results of hydrological research in the Davis Sea. Inform.
biul. Sov. antark. eksp. no.4:49-54 '59. (MIRA 12:11)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche im.
admirala Makarova,
(Davis Sea--Oceanographic research)

ZVEREV, A. A. ~~Geograf. nauk~~

Abnormal sea-water temperatures in the Olaf Prydz Bay. Inform. biul.
Sov. antarct. eksp. no. 6:30-31 '59. (MIRA 12:11)

1. Leningrad'skoye vysheye inzhenernoye morskoye uchilishche im. admi-
rala Fokarova.

(Prydz Bay--Ocean temperature)

ZVEREV, Anatoliy Arsen'yevich; FETROV, I.G., red.; FRISHMAN, Z.S.,
re'l. izd-va; KOTLYAKOVA, O.I., tekhn. red.

[Marine hydrological forecasting] Morskie gidrologicheskie
prognozy. Leningrad, Izd-vo "Morskoi transport," 1961. 291 p.
(MIRA 15:5)

(Oceanography)

ZVEREV, A.A.

Relationship between the wire angle and wind velocity in the performance of oceanographic observations at sea. Trudy AANII 210:
123-125 '61. (MIRA 14:11)
(Oceanographic research)

ZVEREV, A.A.

Using vertical stability in analyzing water masses. Okeanologia
3 no.2:200-205 '53. (MIRA 16:4)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche
imeni admirala Makarova.

(Sea water)

**BEREZIN, P.G.; DANILIN, V.I.; YELISTRATOV, S.S.; ZVEREV, A.A.;
ZAMECHNIK, F.F.**

Efficient technology for the founding of large cast iron
ingot molds. Stal' 23 no.2:181-184 F '63. (MIRA 16:2)

1. Volgogradskiy mekhanicheskii institut i zavod
"Krasnyy Oktyabr'".
(Iron founding) (Ingot molds)

BEREZIN, P.G., kand.tekhn.nauk, dotsent; DANILIN, V.I., inzh.; ZVEREV, A.A., inzh.;
YELISTRATOV, S.S., dotsent; ZAMECHNIK, F.F., inzh.; REDIN, P.F., inzh.

Improving the quality of cast iron for molds. Stal' 21 no.6:571-575
Je '61. (MIRA 14:5)

1. Stalingradskiy mekhanicheskiy institut i zavod "Krasnyy Oktyabr'."
(Cast iron) (Ingot molds)

ZVEREV, A.F., inzh.; KARTALAPOV, F.F., inzh.; MAZUR, Z.M., inzh.;
OVSYANNIKOV, M.I., inzh.; SHUL'GA, I.Ya., inzh.

Concerning the use of a glass fiber tape in the manufacture of
cables. Vest.elektroprom. 33 no.6:61-62 Je '62. (MIRA 15:7)
(Electric cables)

ZVEREV, A. F.

"Pharmacological Aspect of Preparation 126, '2, 6 - dimethoxybenzochinon",
and its use in Suppurative Diseases, Abstract, Farmakol. i Toxicol., 9,
No. 3, 1946; Cand. Med. Sci., Hospital Surgical Clinic, Sverdlovsk Med. Inst.
and Sverdlovsk Affiliate, All-Union Sci. Research, Chemico-Pharmaceutical Inst.,
-1946-.

ZVEREV, A. APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8

Zverev, A. F. "The problems of etiopathogenesis of congenital brain protrusions," Trudy ospit. khirurg. kliniki (Sverd. gos. med. un-t). Vol. IV, 1948, p. 245-60

SO: U-3850, 16 June 53, (Letopis "Zhurnal 'nykh Statey, No. 5, 1949)

ZVEREV, A. F.

Zverev, A. F. "Remote results of surgical treatment of innate brain
protrusions," ¹udy Gospit. khirurg. klinik (Sverd. gos. med. un-t),
Vol. IV, 1948, p. 245-60

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

ZVEREV, A.-F.

"Congenital Cerebral Hernia and its Surgical Treatment," *Khiirurgiya*, No. 9, 1949.

Dr. Med. Sci., Hosp Surg Clinic, Sverdlovsk Med. Inst. -c1949-

ZVEREV, A.F.

**Gertsen's operation and its modification in congenital cerebral
hernia. Vest. khir. Grekova, Leningr. 72 no. 4:44-48 July-Aug.
1952. (CLML 22:5)**

**1. Professor. 2. Of the Clinic for Children's Surgery of the Pediatric
Faculty (Head -- Prof. A. F. Zverev), Sverdlovsk State Medical Institute
(Director -- V. S. Serebrennikov).**

KALINOVA, Z.I.; YAKOVLEV, I.I., professor, zavednyashchiy; ZVEREV, A.F., professor, direktor; MALYSHEVA, R.A., direktor.

TSov'ianov method of conducting labor in breech presentations. Akush.i gin. (MLHA 6:9)
no.4:37-41 J1-Ag '53.

1. Akushersko-ginekologicheskaya kafedra Sverdlovskogo meditsinskogo instituta (for Yakovlev). 2. Sverdlovskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva (for Malysheva). 3. Sverdlovskiy meditsinskiy institut (for Zverev). (Labor (Obstetrics))

ZVEREV, A.F., prof.

Evaluation of various methods for operating on congenital cerebral
hernia. Khirurgia 32 no.10:60-66 0 '56 (MIRA 12:7)

1. Iz kafedry detskoy khirurgii (zav. - prof. A. F. Averev)
Sverdlovskogo meditsinskogo instituta.
(ENCEPHALOCELE, surg.
congen.)

ZVEREV, A.F., professor (Sverdlovsk, Bankovskiy per. 8, kv. 2))

**A new variant of resection in mammary gland hypertrophy. Vest.khir.
77 no.7:134-135 J1 '56. (MLRA 9:10)**

**1. In kliniki detskoy khirurgii Sverdlovskogo meditsinskogo
instituta (zav. - prof. A.F.Zverev)**

(BREAST, dis.

hypertrophy, in child, surg., method)

(HYPERTROPHY AND HYPERPLASIA

breast hypertrophy in child, surg., method)

ZVEREV, A.F.

**Retroperitoneal lipoma in a child. Nov.khir.arkh. no.1:71 Ja-F '58
(MIRA 11:11)**

**1. Klinika khirurgii detskogo vozrasta Sverdlovskogo meditsinskogo
instituta.**

(ABDOMEN--TUMORS)

SOV/3-58-11-10/38

AUTHOR: Zverev, A.F., Doctor of Medical Sciences; Professor; Institute Director

TITLE: Urgent Changes in the System of Training Physicians (Nazrevshiye izmeneniya v sisteme podgotovki vrachey)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 11, pp 28 - 30 (USSR)

ABSTRACT: The author deals with the reasons for the occasional graduation of mediocre physicians by the institutes, and examines the question as to what must be done to ensure that the medical vuzes train only physicians of high competence and understanding, devoted to their specialty and to the public health. In the first place it is necessary to change the principle of enrolling students at medical vuzes. The best reinforcement is the youth that is coming from hospitals or other public health institutions after having worked there for 2 to 3 years. They yield the best doctors and organizers of public health service, and should be given preference in entering the vuz. Since the number of persons with such practical experience is growing from year to year, it can be safely said that after several years a preliminary professional experience will become obligatory for all persons wishing to study medicine. The admittance should be

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SOV/3-58-11-10/38

Urgent Changes in the System of Training Physicians

coordinated with the demands of the individual economic districts and republics. The Urals, Siberia and the Far East have a shortage of doctors, while the southern districts have a surplus. It is suggested that the Sverdlovsk Medical Institute be expanded, and youth from the local population be given preference. The term of training should remain at 6 years, also day-time instruction should be retained, and the students should discontinue any other work. However, as an experiment, the lessons of the 1st course students may take place in the evening at several institutes. Correspondence tuition is impossible. As some of the students usually drop out, a greater number can be admitted to the first course than is foreseen by the plan. This will ensure that the state plan of training specialists is fulfilled. The author also deals with the question of revising the curricula, uniting some chairs. He comments on practical training and the necessity of assigning hospitals and sanitary-

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ZVEREV, A.F., prof. (Sverdlovsk)

Concerning IA.D.Vitebskii's article "New method for surgery of
congenital nasofrontal cerebral hernias". Nov.khir.arkh.
no.4:121-122 J1-Ag '59. (MIRA 12:11)
(ENCEPHALOCELE) (VITEBSKII, IA.D.)

ZVEREV, A.F., professor (Sverdlovsk, Bankovskiy pereulok, d.8, kv. 29);
KAZAKOV, G.M.

Homoplasty with cartilage of osteomyelitic bone cavities in children
following sequestrectomy, Vest.khir. 83 no.11:56-59 N '59.

(MIRA 13:4)

1. Iz detskoy khirurgicheskoy kliniki (sav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta.

(CARTILAGE transpl.)

(OSTEOMYELITIS in inf. & child.)

ZVEREV, A.F., prof.; GASSAN, Yu.P.

Polycystic kidneys in children. Urologia no.6:58-60 '60.
(MIRA 15:5)

1. Iz kafedry detskoy khirurgii (zav. - prof. A.F. Zverev)
Sverdlovskogo gosudarstvennogo meditsinskogo instituta.
(KIDNEYS--DISEASES)

ZVEREV, A.F., prof. (Sverdlovsk)

Experience with 250 operations in congenital cerebral hernia.
Khirurgiia 36 no.12:93-97 '60. (MIRA 14:1)
(ENOEPHALOCELE)

ZVEREV, A.F., prof.; LAFSHINA, N.P., kand.med.nauk

Osteosynthesis with metal nails for pseudarthrosis in children
with suppurative infections. Khirurgiia 37 no.3:46-49 Mr '61.
(MIRA 14:3)

1. Iz kliniki detskoy khirurgii (zav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta.
(PSEUDARTHROSIS)

ZVEREV, A. F., professor (Sverdlovsk, Bankovskiy per, d. 8, kv. 29);
LAPSHINA, N. P., dotsent

Bone homoplasty in children in conditions of suppurative infection. Vest. khir. no.4:60-66 '62. (MIRA 15:4)

1. Iz kliniki detskoy khirurgii (zav. - prof. A. F. Zverev)
Sverdlovskogo meditsinskogo instituta.

(BONE GRAFTING) (SUPPURATION)

ZVEREV, A. F., prof.; LAPSHINA, N. P., dotsent

Osteosynthesis with metal nails in fractures in children.
Khirurgia no.6:104-108 Je '62. (MIRA 15:7)

1. Iz kafedry detskoy khirurgii (zav. - prof. A. F. Zverev)
Sverdlovskogo meditsinskogo instituta.

(INTERNAL FIXATION IN FRACTURES)

ZVEREV, A.F., prof. (Sverdlovsk, Bankovskiy peresulok, d.3, kv.29)

Primary hypernephroid cancer of the liver in an infant. Vest.
khir. 90 no.5:122-123. My'63 (MIRA 17:5)

1. Iz khirurgicheskoy kliniki detskogo vozrasta (zav.- prof.
A.F. Zverev) Sverdlovskogo meditsinskogo instituta.

ZVEREV, A.F., prof.

Occipital encephalocele. Vest. khir. no.10:106-111 '64.

(MIRA 19:1)

1. Iz kliniki khirurgii detskogo vozrasta (zav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta (rektor - dotsent V.N. Klimov).

ZVEREV, A.F. (Sverdlovsk, Baykovskiy pereulok, d.8, kv.29)

Chemodectoma of the posterior mediastinum in a child. Grud. khir.
6, no.4:108 J1-Ag '64. (MIRA 18)

ZVEREV, A. F. prof.

Heart wound caused by a nail fired from an arbalest. Vest. khir.
93 no. 8:92-93 Ag '64. (MIRA 18:7)

1. Iz kliniki khirurgii detskogo vozrasta (zav. - prof. A.F.Zverev)
Sverdlovskogo meditsinskogo instituta.

ZVEREV, A.F., prof.; GRIDINA, G.I.

Clinical aspects, diagnosis and surgical treatment of portal
hypertension in children. Khirurgiia 39 no. 4:42-49 Ap'63
(MIRA 17:2)

1. Iz kliniki detskoy khirurgii (zav. - prof. A.F. Zverev)
Sverdlovskogo meditsinskogo instituta.

ZVEREV, A.F., inzh.

Combining of the firing and insulating processes by the electric
cable industry in manufacturing electrical wire. Vest. elektro-
prom. 33 no.12:51-53 D '62. (MIRA 15:12)
(Electric wire and cable industry)

ZVEREV, Arseniy Grigor'yevich; TABUNINA, M.A., red.

[Safety manual for workers engaged in gluing linoleum
and plastic materials] Pamiatka po tekhnike bezopas-
nosti dlia rabochikh, zaniatykh nakleikoi linoleuma i
plastikov. Moskva, Stroiizdat, 1964. 21 p.

(MIRA 17:6)

YEREMEYEVA, Galina Fedorovna; ILINICH, Anna Yakovlevna; TKACHENKO,
Georgiy Stepanovich; ZVEREV, A.G., prof., red.; KHMELININA, Ye.,
red.

[Principles of savings management] Osnovy sberegatel'nogo
dela. Moskva, Finansy, 1965. 107 p. (MIRA 18:5)

ZVEREV, Arseniy Grigor'yevich; TABUNINA, N.A., red.

[Safety manual for parquetry layers] Pamiatka po tekhnike
bezopasnosti dlia parketchika. Moskva, Stroiizdat, 1964. 31 p.
(MIRA 17:8)

ZVEREV, ARSENIY GRIGOR'YEVICH

Voprosy Natsional'nogo Dokhoda I Finansov SSSR. Moskva, Gosfinizdat, 1958.

242 p. Tables. 21 cm.

Bibliographical Footnotes.

ZVEREV, Arseniy Grigor'evich, doktor ekon. nauk; VINOKUR, R.,
otv. red.; KONDRAT'YEVA, A., red.izd-va; FILIPPOVA, E.,
red.izd-va; LEBEDEV, A., tekhn. red.

[Problems of economic work in the financial-credit system]
Voprosy ekonomicheskoi raboty v finansovo-kreditnoy sisteme.
Moskva, Gosfinizdat, 1963. 119 p. (MIRA 16:7)
(Banks and banking) (Auditing and inspection)
(Industrial management)

ZVEREV, A.G.; TABUNINA, M.A., red.izd-va; TARKHOVA, K.Ye., tekhn.
red.

[Safety manual for forgers working on construction projects]
Pamiatka po tekhnike bezopasnosti dlia kuznetsa na stroi-
tel'stve. Moskva, Gosstroizdat, 1963. 19 p. (MIRA 16:8)
(Forging—Safety measures)

ZVEREV, Arseniy Grigor'yevich, doktor ekonom. nauk; PLOTNIKOV, K.N., otv.
red.; VINOKUR, R.D., red.; KONDRAT'YEVA, A.I., red.; LEBEDEV, A.,
tekh. red.

[The national income and finances of the U.S.S.R.] Natsional'nyi
dokhod i finansy SSSR. Moskva, Gosfinizdat, 1961. 343 p.
(MIRA 14:10)

1. Chlen-korrespondent AN SSSR (for Plotnikov).
(Income) (Finance)

ZVEREV, A.G.; FISHER, S.J.

High-styrene rubbers. Biul. tekhn.-ekon. inform. no. 3:44-45 '58.
(Rubber, Synthetic) (MIRA 11:6)

ZVEREV, A.; TIMBUKHTINA, A.

Labor expenditure with various methods of manufacturing
synthetic rubber. Biul.nauch.inform.; trud i zar.plata. no.3:
12-18 '59. (MIRA 12:5)

(Rubber, Synthetic)
(Work measurement)

Electric current supply installations for telephone stations. Moskva, Gos.
Transp. zhel-dor. izd-vo, 1940. 95 p.
(49-56782)

TK6271.Z9

PROCESSED AND PROTECTED UNDER

COMMON ELEMENT

MATERIALS UNIT

9A

Surface interaction between soft iron and molten alloy
containing iron and nature of intermetallic layers. I. S. Dookhin
and A. I. Zvezin. *Metallurgiya*, (U. S. S. R.)
No. 11, 1967, 2011-2016. The object of this investiga-
tion was to det. the chem. and phys. changes taking
place on the surface of solid iron contg. Si a trace, C
0.02, Mn 0.07, P 0.008 and S 0.012%, when immersed in
liquid sorbite contg. C 27.35, Si 4.10, C 3.30, Ni 4.10,
Mn 1.20 and P 0.07%. Two parallel processes take
place: (1) partial fusion of the pure iron at the surface
and (2) diffusion of the constituents of the sorbite into
the soft iron. The 2nd process continues even after the
solid iron is withdrawn from the sorbite bath and is
allowed to cool. Micrographs are given of cross sections
of the layer formed on the pure iron. S. L. Madorsky

A.S.M.E. METALLURGICAL LITERATURE CLASSIFICATION

GROUP	SECTION	SUBSECTION	CLASSIFICATION
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
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61	62	63	64
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77	78	79	80
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85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

ALEKSEVA, N.P.; DOBINSKAYA, E.N.; ZVEREV, A.I., kandidat meditsinskikh nauk,
zavednyushchiy.

Renal adenosarcoma in a 13 months old child. Sov.med. 17 no.9:33-34 S '53.
(MLRA 6:9)

1. Khirurgicheskoye otdeleniye dorozhnoy bol'nitsy Tashkentskoy zheleznoy dorogi (for Zverev). 2. Patologoanatomicheskoye otdeleniye dorozhnoy bol'nitsy Tashkentskoy zheleznoy dorogi.
(Kidneys--Tumors)

ZVEREV, A.I., Doc Med Sci -- (diss) "^{Pouches}~~Baskets~~ in the human
peritoneum and their practical significance." Izhevsk, 1959,
25 pp (Min of Health RSFSR. Kazan' Med Inst) 250 copies
(KL, 34-59, 116)

"Blood Transfusion in Ambulatory Practice," Sov. Med., No. 6, 1949.
Road Station for Blood Transfusion of the Tashkent Railway, -1949-

Primary cancer of the liver in an 11-year-old child. Khirurgiia
no.3:77-78 Mr '54. (MIRA 7:5)

1. Iz khirurgicheskogo otdeleniya (nach. A.I.Zverev) i patologo-
anatomicheskogo otdeleniya (nach.K.N.Dolinskaya) 'Sentral'noy
bol'nitsy Tashkent'skoy shelesnoy dorogi.
(LIVER, neoplasms,
in child, primary malignant)

DERYABIN, V.I.; ZVEREV, A.M.; LYSIKOV, V.P.; UDARTSEV, Ye.P.

Building of a 47-ton displacement cruising yacht.
Sudostroenie 26' no.6:37-38 Je '60. (MIRA 13:7)
(Yacht building)

ZVEREV, A.H., podpolkovnik meditsinskoy sluzhby

**Flowlike trap for catching mites. Voen.-med.shur. no.9:88-89 s '56.
(INSECTS—COLLECTION AND PRESERVATION) (MIRA 10:3)**

ZURBEV, A. N. **COMPARATIVE Evaluation of the Method of Natural Smear and the
Fulleborne Method.

Voyenno-Meditsinskiy Zhurnal, No. 11, pp. 70-79, 1961.

ZVEREV, A.N.

Comparative evaluation of the method of natural smears and the
method of Fulleborn. Voen.-med. zhur. no.11:79 N '61. (MIRA 15:6)
(FECES--ANALYSIS) (HELMINTHOLOGY)

ZVEREV, A.N.

Cultivator-type tick trap. Zool.zhur. 35 no.1:155-156 Ja '56.
(MLBA 9:5)

1. Voenno-meditsinskiy otdel Prikarpatskogo voyennogo okruga.
(Insect traps)

ACC NR: AR6019465 (A)

SOURCE CODE: UR/0081/66/000/002/S073/S073

AUTHOR: Kvasnikov, Ye. N.; Zverev, A. N.

19
18
B

TITLE: Effect of temperature on strength and deformation properties of certain construction plastics

SOURCE: Ref zh. khim, Part II, Abs. 2S504

REF SOURCE: Sb. Inzh. konstruksiy. Dokl. k XXIII Nauchn. konferentsii. Leningr. inzh.-stroit. in-ta., L., 1965, 170-175

TOPIC TAGS: glass fiber, glass textolite, laminated material, plastic strength, tensile strength, deformation, compressive stress, mechanical stress, thermal stress

ABSTRACT: Three types of construction plastics were subjected to tests under uniaxial stress and compression under conditions of short term exposure to reduced and elevated temperatures from -50 to +90°: glass fiber anisotropic material SVAM with 1:1 and 1:5 anisotropy based on binder ED-6 modified with bakolite lacquer; glass textolite based on polyester binder PN-1 and TU-16/13 brand cloth; and, wood laminate plastic DSP-B with phenol binder. It was shown that there is a nearly linear relationship between temperature and the strength of the glass

L 46295-06

ACC NR: AR6019465

reinforced plastics under stress and compression (glass textolite based on PN-1 binder is an exception). The stability of the mechanical indices of glass reinforced plastics at different temperatures depends more on the kind of binder than on the type of filler. V. Privalko.
/Translation of abstract/.

SUB CODE: 11,20

ACC NR: AR6016478

SOURCE CODE: UR/0124/65/000/012/V099/V099

AUTHOR: Kvasnikov, Ye. N.; Zverev, A. N.

TITLE: Effect of temperature on the strength and deformation properties of some structural plastics

SOURCE: Ref. zh. Mekhanika, Abs. 12V847

REF SOURCE: Sb. Inzh. konstruksiy. Dokl. k XXIII Nauchn. konferentsii. Leningr. inzh.-stroit. in-ta. L., 1965, 170-175

TOPIC TAGS: material deformation, fiberglass reinforced plastic, tensile strength, compressive strength, low temperature effect, high temperature effect

ABSTRACT: Three types of structural plastics were tested for uniaxial tension and compression for brief periods at low and high temperatures (-50-+90°C): an anisotropic fiberglass material with an anisotropy of 1:1 and 1:5, fiberglass-reinforced textolite and wood-reinforced laminated plastic. It is shown that there is a nearly linear relationship between strength and temperature in fiberglass-reinforced plastics under tension and compression (with the exception of fiberglass-reinforced textolite). V. Privalko. [Translation of abstract]

SUB CODE: 11

Card 1/1

FEDOROV, V.S.; RYABCHIKOV, V.R.; POLYAKOV, I.S.; SOROKIN, N.I.; RYABYKH, P.M.;
NOVIK, N.G.; SLEPUKHA, T.F.; DRASHKOVSKIY, K.M.; LALABEKOV, S.K.;
AREF'YEV, A.P.; YEVSTAF'YEV, V.V.; VEREV, A.P.; NERSESOV, L.G.;
GROSSMAN, E.I.; BERMAN, A.O.

Petr Aleksandrovich Smirnov, 1902-1958; obituary. Khim. i tekhn. topl.
1 masel. 3 no.12:68 D '58. (MIRA 11:12)
(Smirnov, Petr Aleksandrovich, 1902-1958)

Method of determining the amount of metal used in making castings. Lit.
proizv. no.6:25-26 Je '53.

(MLRA 6:7)
(Founding)

PHASE II

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 20 - II

BOOK

Call No.: QC 861.T85

Authors: ZVEREV, A. S., KIRYUKHIN, B. V., KONDRAT'YEV, K. YA.,
SELEZNEVA, YE. S., TVERSKOY, P. N. YUDIN, M. I.

Full Title: COURSE OF METEOROLOGY (PHYSICS OF THE ATMOSPHERE)

Transliterated Title: Kurs meteorologii (Fizika atmosfery)

Publishing Data

Originating Agency: None

Publishing House: Hydrometeorological Publishing House (GIMIZ)

Date: 1951

No. pp.: 888

No. of copies: 10,000

Editorial Staff

Editor: Professor Tverskoy, P. N.

Tech. Ed.: None

Editor-in-Chief: None

Appraiser: None

Others: 1) Scientific Council and the scientific personnel of
the Main Geophysical Observatory, 2) Prof. Khromov, S. P.,
who critically analysed the manuscript.

Text Data

Coverage: A fundamental course in the physics of the atmosphere, covering its
properties, methods of investigation, application of thermodynamics,
radiant energy, heat energy, water vapor, motion, weather and its
forecasting, atmospheric optics, electricity, and acoustics.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 453 - I

BOOK

Call No.: AF632826

Author: ZVEREV, A. S.

Full Title: FOGS AND THEIR FORECASTING

Transliterated Title: Tumany i ikh predskazaniye

Publishing Data

Originating Agency: None

Publishing House: Hydrometeorological Publishing House "Gidrometeoizdat"

Date: 1954

No. pp.: 74

No. of copies: 11,000

Editorial Staff

Editor: Kiryukhin, B. V.

Appraisers: Pchelko, I. G., Sadovnikov, A. V., Gurov, B. P. and
Broydo, A. G.

Text Data

Coverage: This is an account of the results obtained by Soviet scientists in recent years in the field of forecasting the formation and dispersion of fogs. The author considers that this problem is not yet completely solved but that Soviet investigations have improved the quality of fog forecasts which are important for all forms of transport, particularly for aviation. Special attention is given to physical processes of fog formation. Facts exposed in this monograph can be applied to any geographical region. Local features of fog formation and dispersion are not discussed in this work but they must be

Tumany i ikh predskazaniye

AID 453 - I

considered by forecasters. The monograph is based on investigations made by the author, by B. V. Kiryukhin and by graduate students of the Leningrad Hydrometeorological Institute. The book is one of the series "Scientific-Popular Library". It contains tables and diagrams.

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2. Condensation of Water Vapor and Fog Formation	9
3. Radiation Fogs	12
4. Advection Fogs	17
5. Other Types of Fogs	21
6. Dispersion of Fogs	27
7. Classification of Fogs	31
8. Synoptic Conditions of Fog Formation	35
Ch. II Fog Forecasting	
1. General Principles of Fog Forecasting	37
2. Estimation of the Cooling necessary for Fog Formation in a given Air Mass	40
3. Forecasting the Cooling of Air	48

Tumany i ikh predskazaniye

AID 453 - I

	PAGE
4. Graphic Method of Forecasting Fogs and the Drop of Night Temperature	59
5. Additional Remarks on Fog Forecasting	71
Conclusion	73
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Purpose: Popular study of fogs with general indications for forecasters.
Facilities: Leningrad Hydrometeorological Institute
No. of Russian and Slavic References: 16 Russian (1936-1953)
Available: A.I.D., Library of Congress.

ZVEREV, A.S.

PHASE I BOOK EXPLOITATION

SOV/1912

3(7)

Uchebnyy sinopticheskiy atlas (School Synoptical Atlas of Weather Maps) Pt. 1. Leningrad, Gidrometeor. Izd-vo, 1956. 48 fold. maps (in portfolio) 8,000 copies printed.

Compilers: K.G. Abramovich, P.D. Astapenko, V.V. Bykov, V.I. Bushuk, V.P. Gurov, A.S. Zverev, L.S. Minina, A.A. Morozkin, L.L. Ruppert, and B.M. Sergeyev; Ed. (Title page): Kh. P. Pogosyan, Professor; Ed. (Inside book): M.M. Yasnogorodskaya; Tech. Ed.: A.A. Soloveychik.

— Zadaniya dlya studentov k "Uchebnomu, sinopticheskomu atlasu," chast' 1. (Assignments for Students using the "School Synoptical Atlas of Weather Maps, Pt. 1) 1956. 114 p. Compiler: A.S. Zverev; Ed.: M.M. Yasnogorodskaya.

PURPOSE: This atlas is intended for use by students at institutions of higher learning specializing in meteorology.

Card 1/3

School Synoptical (Cont.)

SOV/1912

COVERAGE: The atlas consists of 96 weather maps (48 sheets) on an identical base, giving detailed meteorological and aerological information for certain months of 1952-1955. These maps (1:10 mill.) cover portions of Greenland and the eastern tip of Canada, all of Europe, North Africa, the Near East, Central Siberia, and the Siberian polar regions to approximately 100° E. Included with the atlas is a booklet of lesson assignments based on the information compiled on the weather maps. The appendix to the lesson assignment booklet contains 12 tables of synoptic weather information from the field reporting stations shown on the maps. Compilation of the atlas was conducted under the direction of the following scientific personnel: Candidate of Physical and Mathematical Sciences K.G. Abramovich, Candidate of Physical and Mathematical Sciences V.V. Bykov, Candidate of Geographical Sciences L.S. Minina, Candidate of Geographical Sciences P.D. Astapenko, Candidate of Physical and Mathematical Sciences V.P. Gurov, Meteorologist A.A. Morozkin, Candidate of Geographical Sciences Ruppert, Meteorologist B.M. Sergeev, Candidate of Geographical Sciences V.I. Bushuk and Candidate of Physical and Mathematical Sciences A.S. Zveryev.

School Synoptical (Cont.)

SOV/1912

Specialists from the Tsentral'nyy institut prognozov, the
Meteorologicheskii fakul'tet Voennovozdukhnoy Akademii
im. A.F. Mozhayskogo, and the Leningradskiy gidrometeorologicheskii
institut helped in compiling the Atlas. No references are given.

TABLE OF CONTENTS: None given

AVAILABLE: Library of Congress

Card 3/3

6/17/59
MM/jab

KHRGIAN, A.Kh.; BOBOVIKOV, A.M.; DZHERDZHEYEVSKIY, B.L.; DYUBYUK, A.P.;
~~ZVEREV, A.S.~~ ZOLOTAREV, M.A.; KRICHAK, O.G.; KLHMIN, I.A.;
PINUS, N.Z.; SELEZNEVA, Ye.S.; YASNOGORODSKAYA, M.M., red.;
VLADIMIROV, O.G., tekhn.red.

[Cloud atlas] Atlas oblakov. Leningrad, Gidrometeor.isd-vo,
1957. 45 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeoro-
logicheskoy sluzhby.
(Clouds)

ASTAPENKO, P.D., kand.geograficheskikh nauk; BURTSEV, A.I., kand.fiziko-matematicheskikh nauk; GUROV, V.P., kand.fiziko-matematicheskikh nauk; ZVEREV, A.S., kand.fiziko-matematicheskikh nauk; ZUBYAN, G.D., doktor geograficheskikh nauk; MININA, L.S., kand.geograficheskikh nauk; MOROZKIN, A.A., inzhener-meteorolog; RUPPERT, L.L., kand.geograficheskikh nauk; SERGEYEV, B.M., inzhener-meteorolog; SAMOYLOV, A.I., kand.fiziko-matematicheskikh nauk; TURKUTTI, Z.L., kand.geograficheskikh nauk; CHERNOVA, V.F., starshiy nauchnyy sotrudnik; CHISTYAKOV, A.D., kand.fiziko-matematicheskikh nauk; POGOSYAN, Kh.P., prof., red.; YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.P., tekhn.red.

[Synoptic study atlas] Uchebnyi sinopticheski atlas. Leningrad, Gidrometeor. izd-vo. Pt.2, (Sost. P.D.Astapenko i dr.) 1957. 90 fold. maps (in portfolio) [Practical recommendations and assignments for students using the "Synoptic study atlas" Metodicheskie rekomendatsii i zadaniia dlia studentov k "Uchebnomu sinopticheskomu atlasu," chast' 2. Sost. A.S.Zverev. 1957. 87 p.

- Central Soviet Union* (MIRA 11:3)
1. Tsentral'nyy institut prognozov (for Chernova)
(Climatology--Charts, diagrams, etc.)

Call Nr: #1157025

ZVEREV, ALEKSEY S.

AUTHOR: Zverev, Aleksey S.
TITLE: Synoptic Meteorology (Sinopticheskaya meteorologiya)
PUB. DATA: Gidrometeorologicheskoye izdatel'stvo, Leningrad,
1957, 559 pp., 5300 copies
ORIG. AGENCY: None given
EDITORS: Responsible Ed.: Pchelko, I.G.; Editor: Yasnogorodskaya,
M.M.; Tech. Ed.: Kononova, L.B.; Correctors: Mamedova,
V.V. and Mezhikovskaya, F.I.
PURPOSE: The book is written for students of hydrometeorological
institutes, universities, and other institutions of
learning, as well as weather services personnel and
other persons interested in short-term forecasting.
COVERAGE: This is a systematic exposition of problems in synoptic
meteorology and the practical means of analyzing and
forecasting weather. The book represents the substance
of the lectures delivered by the author at the
Leningrad Hydrometeorological Institute and has been,
he says, brought up to the level of modern understanding
of hydrometeorological problems. A list of 166 references,

Call Nr: 1157025

Synoptic Meteorology (cont)

160 of which are USSR, 5 English, 1 German and a very useful appendix close the book. There are 9 chapters covering all the essentials of the subject. Chapter 1 presents basic concepts of synoptic meteorology, its historic development, and the modern multi-phase approach in solving meteorological problems by the three-dimensional technique of analyzing atmospheric processes. The present organization of meteorological services in the USSR, the simultaneous observation method, the accumulation and dissemination of data, and the accepted meteorological code are all discussed. Physical conditions in the atmosphere and efforts to forecast and to affect weather through human intervention are also considered. Chapter 2 analyzes the various fields of meteorological elements, the technique of preparing and analyzing near-surface weather maps, baric topography maps, maps of the distribution of wind fields, geostrophic and thermal winds, maps, etc. Error correction and dynamic equations for conditions of continuity are presented. Chapter 3 deals with the transfer of energy and problems of general atmospheric circulation of which cyclones and anticyclones are but two basic forms. The many schematic drawings and climatic maps appearing in the text are highly instructive. Chapter 4 covers the main weather-creating factors and discusses the causes for variations with time. Circulation, transformation and orographic features affecting weather, and an analysis of local variations in

Card 2/22

Call Nr: 1157025

Synoptic Meteorology (cont)

air pressure and temperature are included in this chapter, which also gives Kibel's solution of such hydrodynamic problems, and Fridman's velocity vortex. Chapter 5 concerns the formation and geographic classification and distribution of stable and unstable air masses, and is amply illustrated. Chapter 6 describes atmospheric fronts, their formation and wash-out, isotherm and inversion layers, and Margules' formula. Baric and isoallobaric field fronts and their displacements are also discussed. Chapter 7 discusses types and stages and the displacement of tropical and non-tropical cyclones and anticyclones. In the absence of a fully developed and accepted theory for such processes the author reviews the convective, thermal and vortex theories and also touches upon the wave, divergent and advecto-dynamic theories; typical conditions in various regions and localities are well illustrated. Chapters 8 and 9 refer to the most important problem in meteorology, i.e., short and long-range weather forecasting. This is achieved through advance computations based on interpolation and extrapolation, the study of synoptic situations, and the prognostication of all possible phenomena including special conditions. Mapping forecasts and

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Synoptic Meteorology (cont)

prognostication techniques used abroad are described.

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1. Subject and problems of synoptic meteorology
 1. Definition of the subject. Synoptic method (11)
 2. Connection between synoptic meteorology and other branches of science (12)
 3. Importance of the weather forecasts in the national economy and in the defense (13)
 4. Fundamental concepts of synoptic meteorology (14)
 5. Problem of scientific weather prognosis and ways of solution (20)
 6. Problem of the active influence on weather (23)
2. Fundamental stages in the development of synoptic meteorology
 1. Pre-synoptic period of weather study (24)
 2. Organization of the weather services (26)
 3. Evolution of synoptic meteorology in the 19th and the beginning of the 20th centuries (27)

24-33

Card 4/22

POGOSYAN, Khoren Petrovich; ZVEREV, A.S., otv.red.; YASHOGORODSKAYA,
M.M., red.; BRAYNINA, M.I., ~~otv.red.~~

[General circulation of the atmosphere] Obshchaya tsirkulatsiia
atmosfery. Leningrad, Gidrometeor.izd-vo, 1959. 259 p.
(Atmosphere) (MIRA 12:4)

**ASTAPENKO, P.D.; ZVEREV, A.S., doktor geograf.nauk, otv.red.; KAPITSA,
M.P., red.; POLYAKOVA, T.V., tekhn.red.**

**[Atmospheric processes in high latitudes of the Southern Hemisphere]
Atmosfernye protsessy v vysokikh shiroтах iuzhnogo polushariia.
Moskva, Izd-vo Akad.nauk SSSR, 1960. 281 p. (II razdel programmy
MGG (meteorologiya), no.3) (MIRA 13:12)
(Antarctica--Atmosphere)**

Synoptic Meteorology. Wright-Patterson Air Force Base, 1960.
689 L. Illus., Diagr., Graphs, Tables (F-TS-9817/V)
Translated from the original Russian: Sinopticheskaya Meteorologiya,
Leningrad, 1957.
Bibliography: L. 664-689.

ZVEREV, A.S.

Saving of metal in foundry production. Lit. proizv. no.12:16 D '64.
(MIRA 18:3)

USPENSKIY, B.D., doktor fiz.-mat. nauk, prof.; BELOUSOV, S.L., kand.
fiz.-mat. nauk; PYATYGINA, K.V.; YUDIN, M.I.; MERTSALOV,
A.N., kand. fiz.-mat. nauk; DAVYDOVA, O.A.; KUPYANSKAYA,
A.P.; PETRICHENKO, I.A.; MORSKOY, G.I.; TOMASHEVICH, L.V.;
SAMOYLOV, A.I.; ORLOVA, Ye.I.; DZHORDZHIO, V.A.; PETRENKO,
N.V.; DUBOVYY, A.S.; ROMOV, A.I.; PETROSYANTS, M.A.; GLAZOVAYA,
S.P.; BAYAYEVA, T.F.; BEL'SKAYA, N.N.; CHISTYAKOV, A.D.;
GANDIN, L.S.; BURTSEV, A.I.; MERTSALOV, A.N.; BAGROVYY, N.A.;
BELOV, P.N.; ZVEREV, A.S., retsenzent; SIDENKO, G.V.,
red.; DUBENTSOV, V.R., kand. fiz.-mat. nauk, nauchn. red.;
SAGATOVSKIY, N.V., red.; BUGAYEV, V.A., doktor geogr. nauk,
prof., red.; ROGOVSKAYA, Ye.G., red.

[Manual on short-range weather forecasts] Rukovodstvo po
kratkosrochnym prognozam pogody. Leningrad, Gidrometeoizdat.
Pt.1. Izd.2., perer. i dop. 1964. 519 p. (MIRA 18:1)

1. Moscow. Tsentral'nyy institut prognozov.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710002-8"

ZVEREV, A.S.

Selecting melting furnaces for magnesium alloys. Lit. proizv. no. 9:
17 8 '64. (MIRA 18:10)

ZVEREV, A. T.: "Experimental neuroses in dogs and treating them with medicinal sleep." Acad Med Sci USSR. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Sciences.)

Source: Knizhnaya letopis' No 40. 1956 Moscow

ZVEREV, A.T.

Mechanism of certain experimental neuroses in dogs. Zhur.vys.nerv.
deiat. 7 no.3:434-441 My-Je '57. (MIRA 10:10)

1. Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'no-
sti Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.
(NEUROSES, experimental,
in dogs (Rus))

~~SECRET~~
Dryg-induced asleep in the treatment of experimental neuroses in dogs.
[with summary in English]. Biul. eksp. biol. i med. 43 no.6:29-32
Je '57. (MIRA 10:10)

1. Iz laboratorii vysshey nervnoy deyatel'nosti (zav. - Ye.A.Yakovleva)
Instituta fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.
Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenoz
AMN SSSR prof. V.N.Chernigovskim.
(NEUROSES, experimental,
eff. of medication sleep ther. (Rus))
(SLEEP, effects,
on exper. neuroses in dogs, medication sleep ther. (Rus))

ZVEREV, A.T.

Analysis of certain mechanisms of experimental neuroses with traits
of a fixed (stereotypic) motor irritation [with summary in English].
Zhur.vys.nerv.delat. 9 no.1:85-91 Ja-F '59. (MIRA 12:3)

1. Laboratory of Physiology and Pathology of Higher Nervous Activity,
Institute of Normal and Pathological Physiology, U.S.S.R. Academy of
Medical Sciences, Moscow.

(NEUROSES, exper.

mechanisms of neuroses with stereotypic motor irritation
(Rus))

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AUTHOR: Zverev, A. T.; Kitayev-Say*k, L. A.

TITLE: Effects of short-term weightlessness on the nervous system

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963.
Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy konferentsii. Moscow, 1963, 197-198

TOPIC TAGS: weightlessness, nervous system, performance test, angular acceleration, Coriolis acceleration

ABSTRACT: Experiments were performed in order to determine the ability of men to perform certain types of tasks under conditions of weightlessness. The tasks included responding to lights, numbers, and needle indicators. If a light lit up, the subject had to connect contacts. If a 3-digit figure appeared, he had to dial the number on a telephone-like dial. In the case of the needle indicator, the subject had to maintain it on center while the needle deviated according to a programmed tape. In work with contacts, when the aircraft was gathering speed, execution time was reduced; during initial excess g execution time became still.

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less; during weightlessness it became greater, often greater than the initial level; during the second excess g it diminished once more; and during the second level flight it increased. Execution times for work with 3-digit numbers followed the same pattern. The magnitude of error in work with keeping the needle indicator on center was 1.5--2 times as great during initial and post-weightless overloads as it was during level flight. During weightlessness, the magnitude of error over level flight increased by a factor of 3--4. When subjected to angular accelerations, the magnitude of error increased by 10--15%. During coriolis accelerations, the margin of error also increased in all stages of flight, but was particularly marked during weightlessness when it increased 8- to 10-fold. These objective data contrasted with subjective evaluations of the subjects who felt that it was more difficult to work during excess g than during weightlessness.

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AUTHOR: Kitayev-Smyk, L. A.; Zverev, A. T.

ORG: none

TITLE: The influence of short-term weightlessness and the combined action of weightlessness and angular and Coriolis acceleration on some functions of the human operator

SOURCE: Sistema chelovek i avtomat (Man-automaton systems). Moscow, Izd-vo Nauka, 1965, 245-252

TOPIC TAGS: weightlessness, angular acceleration, Coriolis *FORCE*, man, man machine communication, automaton, human engineering, human physiology, *VESTIBULAR DISTURBANCE*

ABSTRACT: The progress of cosmonautics has posed the problem of development of an optimal version for the inclusion of man in the cosmic-apparatus system. In the solution of this problem it will be necessary to take into account some of the specific effects to which the operator-cosmonaut will be subjected in flight, such as weightlessness. The present article was written as part of the program of investigation of the activity of man-operator subjected to weightlessness and to the combined action of weightlessness and angular and Coriolis acceleration. The conditions of weightlessness were created in an aircraft in parabolic flight, with the duration of weightlessness lasting for 28-30 sec, preceded by and followed by G force up to 15 sec. In some tests, weightlessness was established without

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being preceded or followed by G force application. It was found that an increase in the time of motion reaction and a rise in the error during operation in weightlessness may be the result of known disorders of the function of the visual and motor analyzer, as well as a disorder in central integration. The difference in the direction of the variation in the time of the motion reaction during weightlessness and G force may be compared to the contrasting variations in the muscular tonus in these conditions. The substantial decrease in the quality of work of the operators, and the appearance of vestibulovegetative disturbances in them during the combined action of weightlessness and Coriolis acceleration, which, first of all, influences the vestibular apparatus, confirms the opinion of many authors that weightlessness primarily promotes disorder in vestibular function. A reduction in the performance quality during weightlessness and angular and Coriolis acceleration, furthermore, may promote a variation in the coupling between the human body and the support, i.e., the seat. The character of motion is undoubtedly affected by the absence of the weight of the extremities and the trunk. This, according to the authors, primarily explains the reduction in the time of putting on and taking off the parachute harness in conditions of zero gravity. In an evaluation of the data obtained it is necessary to take into consideration the fact that during the first 30 sec of weightlessness, the processes of adaptation and stabilization occurring in the neuropsychic, cardiovascular, and other systems of the organism apparently are not completed. Orig. art. has: 3 figures and 2 tables. [08]

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PHASE I BOOK EXPLOITATION

SOV/2936

Zverev, Anatoliy Vladimirovich

Ryady Fur'ye i integral Fur'ye; lektsiya dlya studentov zaachnykh
VTUZov (Fourier's Series and Integrals; Lecture for Students of Correspondence
Schools of Higher Technical Education) Moscow, 1958. 46 p.
3,000 copies printed.

Sponsoring Agency: Vsesoyuznyy zaachnyy politekhnicheskiy institut.
Kafedra vysshey matematiki.

Ed.: F.A. Bakshiyani, Professor; Resp. Ed.: F.A. Bakshiyani, Professor;
Ed. of Publishing House: I.I. Bank; Tech. Ed.: P.G. Bobrov.

PURPOSE: This booklet is intended especially for correspondence students.

COVERAGE: The booklet presents the essentials of the material and gives a
sufficient number of selected problems and examples which have practical
application. It also contains a discussion of the Fourier Integral, an
understanding of which is necessary for students of the energetics

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Fourier's Series and Integrals; (Cont.)

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and electrophysical departments. The booklet is one of the chapters of a general textbook on mathematical analysis written by the department of higher mathematics at the All-Union Polytechnic Correspondence Institute. No personalities are mentioned. There are no references.

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Fourier's Series and Integrals; (Cont.)

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I.I., red.izd-va; BOBROV, P.G., tekhn.red.
I.I., red.izd-va; BOBROV, P.G., tekhn.red.; BAKHSHIYAN, F.A., prof., otv.red.; BANK,

[Fourier's series and integrals; lecture for students of technical
correspondence colleges] Riady Fur'e i integral Fur'e; lektsiia
dlia studentov zaachnykh VTUZov. Pod red. F.A. Bakhshiana.
Moskva, 1958. 46 p. (MIRA 12:2)

(Fourier's series)

ZVEREV, A. Ye.

Problem concerning the operational accuracy of a converter of small
linear displacements. Avtom. upr. i vych. tekhn. no. 5:356-364 '62.

(Automatic control) (Electronic digital computers)
(MIRA 15:9)

~~APPROVED FOR RELEASE: Thursday, September 26, 2002~~ KORZANOV, V.D., dots.

[Mathematical methods for analyzing linear electrical
networks] Matematicheskie metody analiza lineinykh
elektricheskikh tsepei; uchebnoe posobie. Moskva, Mosk.
aviatsionnyi tekhnologicheskii in-t, 1963. 154 p.
(MIRA 17:5)

tekh. nauk, dotsent; ZVEREV, A.Ye., inzh.
Effect of vibration on the operational accuracy of a DP converter.
Vych. tekh. [MVTU] no.3:229-237 '63.
(MIRA 17:2)