

BEGINNING of
REEL # 426

From: PIONTKOVSKY, I.A. (cont)

AYRAPETYANTS, M.G., PIONTKOVSKIY, I.A.

"The influence of radiation in the period of embryonic development
on the central nervous system."

Report submitted, but not presented at the 22nd International
Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

1978 000 001 001 005
1978 0008

AUTHORS:

Montzavskiy, I.A. and Ayrapetyants, N.G.

TITLE:

Some characteristics of the higher nervous activity of animals exposed to ionizing radiation. Abstracts. V. Characteristics of the higher nervous activity in early post-natal ontogenesis in puppies irradiated during embryonic development

PERIODICAL:

Izvestiya experimental'noy biologii i meditsiny, v. 22, no. 1, 1963, 26 - 31

TEXT:

Six litters were totally irradiated with 200 r x rays on the 2th or 4th day of pregnancy or were left untreated. Puppies from irradiated litters showed number of vegetative nervous disorders from the first days of life, pulse and respiration rates increased, and urination, defecation and regurgitation were frequent. Development was uneven and retarded in all but 1; the variation in weight between individuals was

Card 1/3

Some characteristics ...

... of ...
...

up to 15%, compared with 4-11% in controls. Leucopenia occurred in trial puppies especially in those irradiated as 50-day embryos. At birth and up to 30 days of age they had fewer red cells per mm³ blood. Hb fell in both groups, most in trial puppies, especially after irradiation at 7 days in utero. When the values fell by about 50%. In all controls a conditioned olfactory motor feeding reflex was formed on the 1st day. In trial puppies it occurred somewhat more slowly and with a mixed response. Intensity, duration and direction of motor reactions in response to the smell of camphor were considerably more distinct in controls. When conditioned reflex activity was studied in the training period from the 10th day reflexes, especially of orientation, appeared in the trial puppies. Data from 10 to 20 months show that from birth to 2 months the crossing function of the cerebral cortex in puppies irradiated in utero was considerably weaker than in controls. Occurrence of paradoxical and antiparadoxical reactions indicated a low level of activity in the cortex cells. There were similar changes in higher nervous activity in both groups of irradiated puppies, but neurodynamic disturbances, especially the processes

Card 2, 3

Some characteristics ...

0.219, 0.51, 0.55/001/001/005
02/2, 03/5

of internal inhibition, were more marked in those irradiated on the 45th day in utero.

ASSOCIATION: Institut vysshey nervnoy deyatel'nosti i
nevrofiziologii AN USSR, Moscow
(Institute of Higher Nervous Activity and
Neurophysiology of the AS USSR, Moscow

PRESENTED: by V.V. Varinyy, Member of the AMS USSR

SUBMITTED: March 15, 1962

Card 3/3

UR/

ACC NR: AM5009840

BOOK EXPLOITATION

Piontkovskiy, Igor' Andreyevich

Function and structure of the brain of animals exposed to ionizing radiation in the prenatal period (Funktsiya i struktura mozga zhivotnogo, obluchennogo ioniziruyushchey radiatsiyey v antenatal'nom periode) Moscow, Izd-vo "Nauka", 1964. 263 p. illus., biblio. (At head of title: Akademiya nauk SSSR. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii) Errata slip inserted. 1400 copies printed. Editor of the publishing house: Ye. A. Kolpakova; Technical editor: O. O. Ul'yanova

TOPIC TAGS: central nervous system, ionizing radiation biologic effect, radiation tolerance, radioembryologic effect, radiation tissue effect

PURPOSE AND COVERAGE: In this monograph, the history of a decade of research conducted by the Laboratory of Neuroradiology (Laboratoriya neyroradiologii) of the Institute noted above on the problem of the functions and the structure of the central nervous system of animals subjected to ionizing radiation in the intrauterine period is presented. The investigations were conducted on different animals (dogs, rabbits, and rats) with different radiation dosages. The postnatal effects (short- and long-term) of the radioembryologic effect were studied. The author expresses his thanks to the following Laboratory personnel: M. O. Ayrapetyants, M. B. Gol'dberg, A. M. Ivanitskiy, M. S. Kalashnikova, I. A. Kolomeytseva, R. I. Kruglikov, V. Ye. Miklashevskiy, N. G.

Card 1/2

ACC NR: AN5CJ9840

Mikhaylova, M. S. Kyslabodskiy, and V. N. Semagin. He also thanks the following members of the Collective of Morphologists of the Institute: Professor M. M. Aleksandrovskiy, N. I. Artyukhin, and I. A. Chernyshevskiy.

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SUB CODE: 06

/SUBM DATE: 02Oct64 /ORIG REF: 219

/OTH REF: 159

Card 2/2

L 27603-46

ACC NR: AP6016/02

SOURCE CODE: UR/0020/65/162/001/0229/0231

AUTHOR: Piontkovskiy, I. A.; Myslobodskiy, M. S.

30
B

ORG: Institute of Higher Nervous Activity and Neurophysiology, AN SSSR (Institut vysshey nervnoy dysyatel'nosti i neyrofiziologii AN SSSR)

TITLE: Significance of photostimulation of the peripheral end of the visual analyzer in the maturing of its cortical representation

22

SOURCE: AN SSSR. Doklady, v. 162, no. 1, 1965, 229-231

TOPIC TAGS: neurophysiology, cerebral cortex, vision, bioelectric phenomenon

ABSTRACT: The authors set out to determine whether peripheral visual and cortical functions mature simultaneously, although independently, or whether the gaining of sight, the activation of visual reception, is a stimulating factor in the development of its cortical representation. The origin and evolution of evoked potentials was studied in postnatal development of intact young rabbits and in animals whose eyes were artificially opened by dissecting the palpebral membranes. It was found that premature activation of the visual apparatus has no effect on the rate of development of the visual cortex, even though light flashes evoked bioelectric activity at the end of the first week of life of the rabbits. The development of the visual cortex at this stage, when the eyes are still closed, occur more or less independently or as part of several already functioning

2

Card 1/2

L 27603-66

ACC NR: AP6018102

0

systems responsible for its maturation. Consequently, impulses arriving prematurely from the visual receptor cannot change these functional relations which develop conservatively in the course of evolution nor can they significantly alter the development of the visual cortex. This paper was presented by Academician V. N. Chernigovskiy on 3 July 1964. Orig. art. has: 2 figures and 1 table. [JFRS]

SUB CODE: 06 / SUBM DATE: 21Jun64 / ORIG REF: 004

Card 2/2 CV 1

PIONTKOVSKIY, I.A.; GOL'DBERG, M.B.

Late aftereffects of ionizing radiation on the higher parts of the central nervous system of rats, irradiated in the antenatal period of the development. Radiobiologia 4 no.6:904-910 '64. (MIRA 18:7)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR, Moskva.

PIONTKOVSKIY, I.A.; MYSLOBOVSKIY, M.S.

Significance of photostimulation of the peripheral end of the optical analyzer for ripening of its cortical substitute. Dokl. AN SSSR 162 no.1:220-231 My '65. (MIRA 18:5)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR. Submitted July 3, 1964.

UR/0097/64/058/011/0029/033

L 54876-

ACCESSION NR: AP5018130

AUTHOR: Piontkovskiy, I. A.; Airapetyants, M. G.

5
B

TITLE: Characteristics of the higher nervous activity of adult dogs subjected to the action of ionizing radiation in variatious periods of antenatal development

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 58, no. 11, 1964, 29-33

TOPIC TAGS: nervous system, experiment animal, irradiation effect, ionizing irradiation, radiation biologic effect

ABSTRACT: Higher nervous activity was studied by the method of salivary conditioned reflexes in dogs 1-2 yrs old that had been subjected to irradiation with X-rays in a dose of 200 r on the 13th, 20th, 45th, and 55th days of antenatal development. The time required for elaboration of positive and negative conditioned reflexes was determined. The tests indicated that the higher nervous activity of antenatally irradiated dogs was characterized by slowness of the principal nervous processes, reduced capacity for differentiation, and inertia. While the time required for formation of conditioned reflexes in irradiated dogs was not much longer

Card 1/3

L 54676-65

ACCESSION NR: AP5016:30

0

than in control animals, the training which had to be applied before these reflexes were firmly established was much more extensive, i. e., the nervous processes of the experimental animals were deficient with respect to concentration. The irradiated animals reacted to an exceptionally strong irritant with short-lived failure of reflexes, which was exhibited on the day of the test only, while disturbances of conditioned reflex activity persisted in control animals for 4-8 days. The maximum disturbance of cerebral functions was observed in animals irradiated on the 13th day of antenatal development and the minimum disturbance in those irradiated on the 55th day. Visual analyzer disturbances predominated in dogs irradiated on the 20th day of embryogenesis.

ASSOCIATION: Laboratoriya neyroradiologii Instituta vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR, Moscow (Laboratory of Neuroradiology, Institute of

Card 2/3

L 54876-65

ACCESSION NR: AP5018130

Higher Nervous Activity and Neurophysiology, AN (BBR)

SUBMITTED: 11Sep63

NR REF SOV: 003

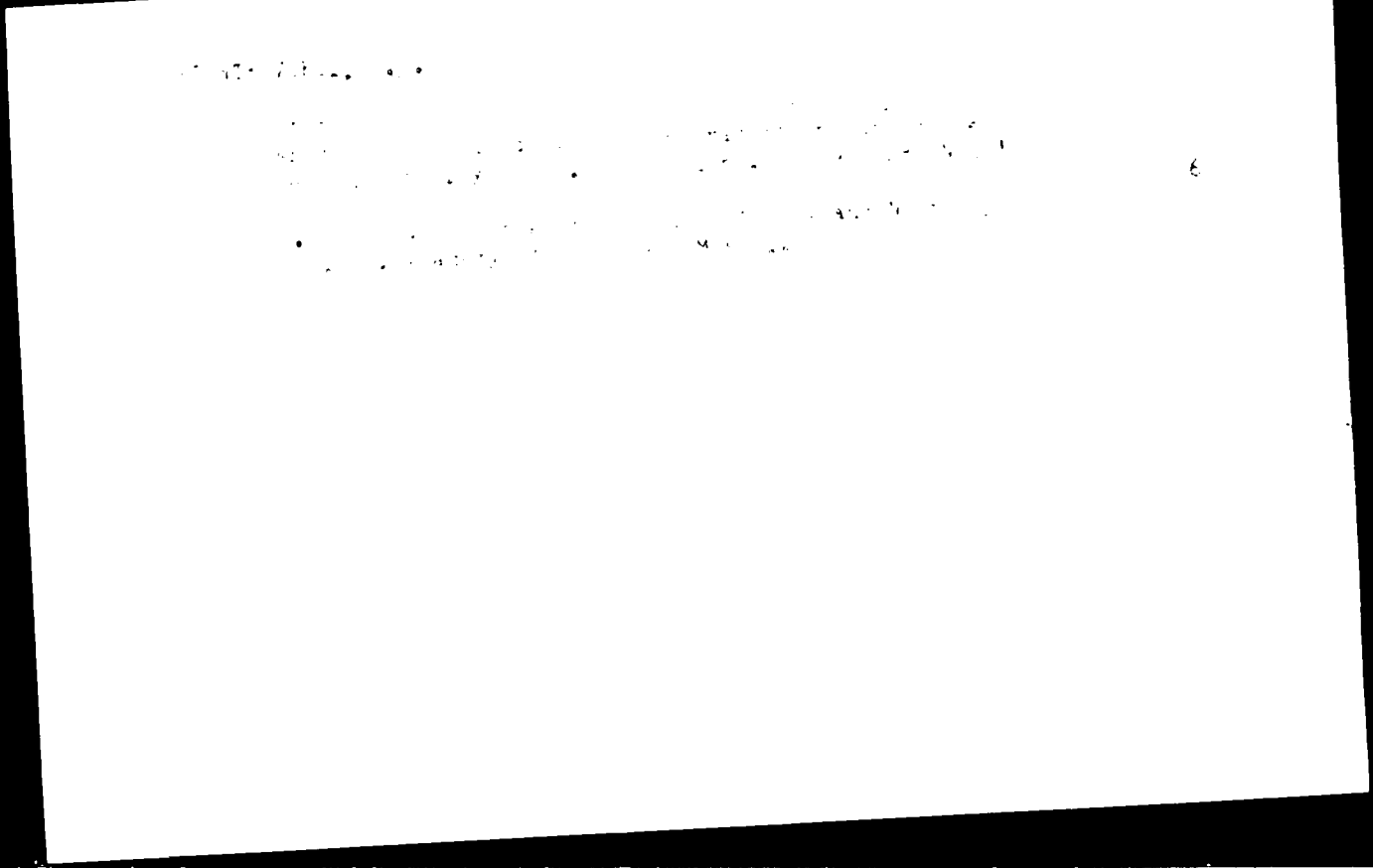
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SUB CODES: LS, NP

JPRS

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Card 3/3



PIONTKOVSKIY, Igor' Andreyevich

[Function and structure of the brain of an animal exposed
to ionizing radiation in the antenatal period] Funktsia
i struktura mozga zhivotnogo, obluchennogo ioniziruiushchei
radiatsiei v antenatal'nom periode. Moskva, Nauka, 1964.
263 p. (MIRA 17:11)

PIONTKOVSKIY, I.A.; KOLOMEYTSOVA, I.A.

Higher nervous activity in adult rats subjected to the ac-
tion of a single small dose of ionizing radiation in the pre-
natal period. Radiobiologiya 3 no.2:220-223 '63 (MIRA 17:1)

Instytut vysshey nervnoy deyatel'nosti i neyrofiziologii
Akad. SSSR, Moskva.

PIKUTKOVSKIY, I.A. (Moskva)

Possibility of modeling some congenital diseases. Pat. fiziol.
i eksp. terap. 6 no.6:3-10 E-D'62 (MIRA 17:3)

1. Iz Instituta vysshey nervnoy deyatel'nosti i neyrofiziologii
(dir. - chlen-korrespondent AN SSSR prof. E.A. Asratyan) AN
SSSR.

PROBNO 11, I.A.; MIRNAYA, I.A.

Some data on the effect of ionizing radiation on animals
subjected to ionizing radiation during the antenatal period.
features of higher nervous activity in early postnatal on-
togenesis in pups irradiated in the period of embryonal
development. Izv. eksp. i klin. med. 15 n. 1:20-30 Ja'63.

(MIRA 16:7)

1. Izvestiya vysshego nervnogo deyatelnosti i nefrofiziolo-
gii. - Mirnaya I.A. - predstavlena SSSR Prof. L.A. Asratyan
Al. SSSR, Moskva. Predstavlena dep. vitel'nykh dok. nom AMN
SSSR T.V. Parinina.

(ANTENATAL PHYSIOLOGICAL EFFECT) (DEFINITIONED RESPONSE)
(ANTENATAL INFLUENCES)

L 17021-63
APOL AM/K

BT(m)/BDS/ES(j) AFPTC/ASD/

8/205/63/003/002/011/024

57

AUTHORS:

Ploutkovskiy, I. A., and Kolomoyskaya, I. A.

TITLE:

Higher nervous activity of adult rats which were subjected to one dose of ionising radiation during the prenatal period

PERIODICAL: Radiobiologiya, vol. 3, no. 2, 1963, 220-223

TEXT: The article gives data regarding the effect of X-ray irradiation in 10 and 25 r doses conducted in the same time of prenatal development. During irradiation of rats in the course of the fertile period of prenatal development in the 25 r dose one observes lowering of the strength of inhibition and stimulation processes and lowering of their mobility. X-rays in the dose 10 r cause lowering primarily of mobility of nervous processes in test animals. The article contains 3 tables, 1 figure and a 3-item bibliography.

ASSOCIATION: Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR (Institute of Higher Nervous Activity and Neurophysiology, Academy of Sciences USSR), Moscow

SUBMITTED: July 2, 1962

Card 1/1

L 30103-65 EEO-2/ENI(d)/FSS-2/EEC(E)-2/ENG(v)/EED-2/EWA(c) Pn-4/Po-4/Po-5/
Pq-4/Pg-4/Pk-4/Pl-4 IJP(c) GS/BC S/0000/64/000/000/0272/0282 b8 BT/

ACCESSION NR: AT5004123

AUTHOR: Piontkovskiy, L. A.

TITLE: Investigation of a connected automatic flight control system by the methods of the theory of invariance

SOURCE: Vsesoyuznaya soveshchaniya po teori invariantnosti i nye primeneniya v avtomaticheskikh sistemakh, 2d, Kiev, 1962. Teoriya invariantnosti v sistemakh avtomaticheskogo upravleniya (Theory of invariance in automatic control systems); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1964, 270-282

TOPIC TAGS: flight control system, control system stability, automatic control system, invariance theory

ABSTRACT: This article investigates an automatic control system in which the conditions of autonomy of control and the conditions of invariance of the controlled parameters with respect to external perturbations would be satisfied simultaneously. The author commences by finding those equations which describe a system of automatic control of flight speed and pitching angle of the aircraft by changing engine thrust and the angular deviation of the elevator. The equations of an automatic system of control of the aircraft's longitudinal motion are found in ma-

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L 30103-65

ACCESSION NO: AT5004123

rix form. From the calculations, it is determined by the author that it is impossible to stabilize the flight altitude and angle of thrust of the aircraft simultaneously with only an elevator. Since, in longitudinal control, at least three coordinates are required, the differential equations of the controlled member and of the control system are obtained in matrix form. The author concludes with an investigation of simultaneously satisfying the conditions of autonomy and invariance for three parameters of the given automatic control system. Thus, the proposed automatic control system for the longitudinal motion of an aircraft solves the problem of simultaneously fulfilling the conditions of invariance and autonomy of control with respect to each of the coordinates individually. Orig. art. has: 3 figures and 29 formulas.

ASSOCIATION: None

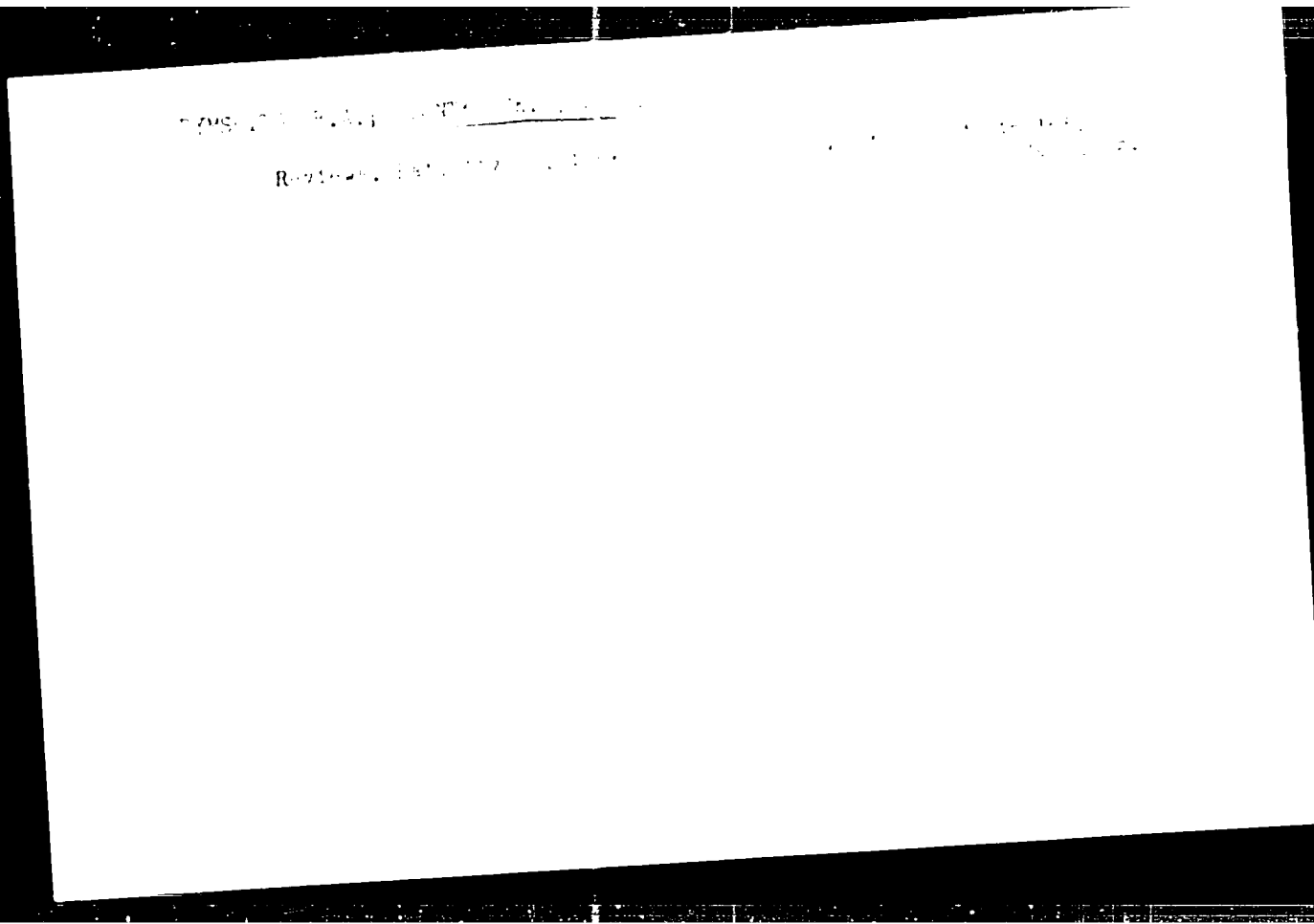
SUBMITTED: 24 Sep 64

ENCL: 00

SUB CODE: AC, IE, NG

NO REF SOV: 003

OTHER: 000



PIONTKOVSKIY, S.L., inzh.; YEKIMOV, L.S., tekhnik

Utilizing the steam sucked out of the intermediate chambers
of the end packings. Energetika 8 no.3:12-13 M. '60.
(MIRA 13:6)

(Turbines)

KHRAMOV, A.N.; PETROVA, G.N.; KOMAROV, A.G.; KOCHEGURA, V.V.;
Prinimali uchastiye: DIANOV-KLOKOV, V.I.; PIOTKOVSKIY,
S.S.; YANOVSKIY, B.M., nauchnyy red.; RUSAKOVA, L.Ya.,
vedushchiy red.; GENNAD'YEVA, I.M., tekhn.red

[Methodology of paleomagnetic investigations] Metodika paleomag-
nitnykh issledovaniy. Leningrad, Gos. nauchn.-tekhn.izd-vo neft.
i gorno-toplivnoi lit-ry. Leningr. otd-nie, 1961. 130 p.
(Leningrad. Vsesoyuznyi neftianoi nauchno-issledovatel'skii
geologorazvedochnyi institut. Trudy, no.161) (MIRA 14:7)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazved-
ochnyy institut (for Khramov). 2. Moskovskiy gosudarstvennyy
universitet (for Petrova). 3. Vsesoyuznyy nauchno-issledovatel'-
skiy geologicheskii institut (for Komarov, Kochegura). 4. In-
stitut elementorganicheskikh soyedineniy (for Dianova-Klokov).
5. Institut fiziki Zemli AN SSSR (for Piotkovskiy). 6. Len-
ingradskiy universitet (for Yanovskiy).
(Magnetism, Terrestrial)

PIONKTOVSKIY, S.S.

An apparatus for determining the remanent magnetization of rocks.
Izv.AN SSSR.Ser.geofiz. no.8:991-996 Ag '56. (MLRA 10:1)

1. Akademiya nauk SSSR, Geofizicheskiy institut.
(Rocks--Magnetic properties)

PIONTKOVSKIY, V.

Initiative of Moscow workers has been taken up in Kharkov. Zhil.-
kom.khoz. 12 no.6:7 Je '62. (MIRA 15:12)

1. Nachal'nik upravleniya zhilishchnogo khozyaystva Ministerstva
kommunal'nogo khozyaystva UkrSSR, Khar'kov.
(Kharkov--Plumbing--Maintenance and repair)

PIOTROVSKIY, V.V.

Morphometric series of relief forms and tectonic structures.
Vop. geog. no.63:12-19 '63. (MIRA 17:3)

FIOROVSKIY, Vladimir Fedorovich, inzh.-stroitel'; FEIGRENKO,
Vasiliy Nesterovich, inzh.-ekonomist; IOCHENKO, N.S.,
red.

[Manual on the operation of apartment houses and public
buildings] Spravochnik po ekspluatatsii zhilykh i ob-
shchestvennykh zdanii. Kiev, Budivol'nyk, 1964. 230 p.
(MIRA 17:12)

PIONECKI, Stanislaw (Kielce); WATORSKI, Jan (Krakow)

Construction of a prefabricated cupola on a reinforced rim. Przegl
budowl i bud mieszk 34 no.8:459-464 Ag '62.

PIGREWICZ, Jerzy, agr inż.

Problem of the new technical loading standards. Tech. gosp. morska
12 no.15:303-306 0 1962.

1. Instytut Budownictwa Woynego, Polska Akademia Nauk, Gdansk.

PIOREWICZ, Jerzy, mgr inż.; SOBIERAJSKI, Eugeniusz, mgr inż.

Averages and utilization of wooden fender beams in the ports of Danzig and Gdynia. Tech gosp morska 13 no.5:142-144. My '63.

1. Instytut Budownictwa Wodnego, Polska Akademia Nauk, Gdansk.

PIORO, Cheslav Kazimirovich;KOTVITSKAYA, L.B., red.; SYCHUGOV, V.G., tekhn.
red.

[New developments in the open-hearth process] Novoe v mastenovskom
proizvodstve. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1961. 87 p.
(MIRA 14:10)

(Open-hearth process)

~~REDACTED~~, Ye.A.; SAPKO, V.N.; GREBENYUK, V.P.; PIORO, E.Ch.; SHCHASTNYI,
I.M.; KSENZUK, P.A.; SHIRINSKIY, D.I.; TOLSTYKH, V.I.

Rapid top pouring of rimmed steel into ribbed ingot molds. Metal-
lurg 8 no.1 :17-19 N '63. (MIKA 16:12)

1, 681, 62, 600 (22, 645) 118
B180, B186

Authors: Pioro, Jan. W. [et al.], Kossowicz, Ludwik

Title: Storage battery filling solutions particularly suitable for acid batteries

Publication: Elektrotechnik, Warszawa, No. 12, 1967, Jan. 1968, 11 p., abstract
1968, 11 p., abstract, Jan. 1968, 11 p.

Note: An addition patent is cited to improve the conductivity and relative
life of filling solutions for acid storage batteries. The filling
solution is obtained by a process from the selective refinement of
oil where organic solvents are used. It contains 50-60% aromatic hydro-
carbons. The resulting solution is not subject to cracking in the
temperature range from -50 to +50°C. Abstractor's note: See also
translation.

Copyright

SIKNNICKI, W.; PRZYLECKI, St.; BASZ, I.; CYGANKIEWICZ, M.; PIORO, J.
RADZISZEWSKA, D. (Wroclaw)

Brucellosis among the workers of the dairies and meat processing
plants of Wroclaw Voivodeship. Roczn. nauk roln. wet 70 no.1/4:
208-209 '60. (KEAI 10:9)

(Brucellosis)

KOCHO, V.S., doktor tekhn.nauk; GRANKOVSKIY, V.I., kand.tekhn.nauk;
NAYDEK, V.L., inzh.; MOLCHANOV, Yu.D., inzh.; PIORO, Ch.K., inzh.

Comparative analysis of thermal processes in 500-ton open-hearth
furnaces in two metallurgical plants. Stal' 22 no.1:23-27 Ja '62.
(MIRA 14:12)

(Open-hearth furnaces)
(Heat—Transmission)

ZAKHARIKOV, N.A.; PIORO, L.S.; NOVIKOV, L.S.; PATEYEV, F.G.; MAZAYEVA, O.L.

Burning natural gas in glass furnaces. Trudy Inst. isp. gaza AN
URSR no.5:24-43 '58. (MIRA 11:12)
(Glass furnaces) (Gas as fuel) (Gas, Natural)

ADAMKIEWICZ, Kazimierz; SMIGLA, Krystyna; NIJO, Jar.

Diagnostic value of kidney biopsy with the Vim-Silverman
needle in urological diseases. Pol. Tyg. Lek. 20 no.40:
1484-1490 4 - '66.

1. 7 1 Klinika chirurgicznej Szpitali AM w Lubrze (Kierownik:
prof. dr. med. St. Szyszko) i Zakład Anatomii Patologicznej
Szpitali AM w Lubrze (Kierownik: prof. dr. med. W. Kiepski)

FIORO, L. G. (Testimony before Senate Committee on Intelligence, 1971)

"Admission of guilt..."

Report of the...
State Department of Agriculture...

Reported in...
May 1971

PIORO, L.S.; ZALIZNYAK, D.V.; MAYEVSKIY, Ye.R.

Heat exchanger with movable head. Trudy Inst. isp. paza AN URSS
no.5:77-87 '58. (MIRA 11:12)
(Heat exchangers)

ZAKHARIKOV, N.A., kandidat tekhnicheskikh nauk; PLOHO, L.S., inzhener.

Study of heat exchange in glass furnaces. Trudy Inst. isp.
gaza AN URSS 2:17-32 '54. (MLRA 9:10)

(Glass manufacture) (Heat--Transmission)

PIORO, L.S.

Investigating processes in heat exchangers with movable heads.
Trudy Inst. isp. gaza AN URSS no.5:88-108 '58. (MIRA 11:12)
(Heat exchangers)

MAKHORIN, K.Ye.; PIORO, L.S.; CHERTOV, V.M.; GLUKHOMANYUK, A.M

Gasification of milled peat in a unit with moving packing. Torf.prom.
34 no.1-28-32 '57. (MLRA 10:2)

1. Institut ispol'zovaniya gaza AN USSE.
(Peat) (Gas producers)

ZAHARIKOV, N.A. [Zakharikov, N.A.]; LESOVOI, N.V. [Lesovoy, N.V.]; MITIN,
N.G.; PIORO, L.S.

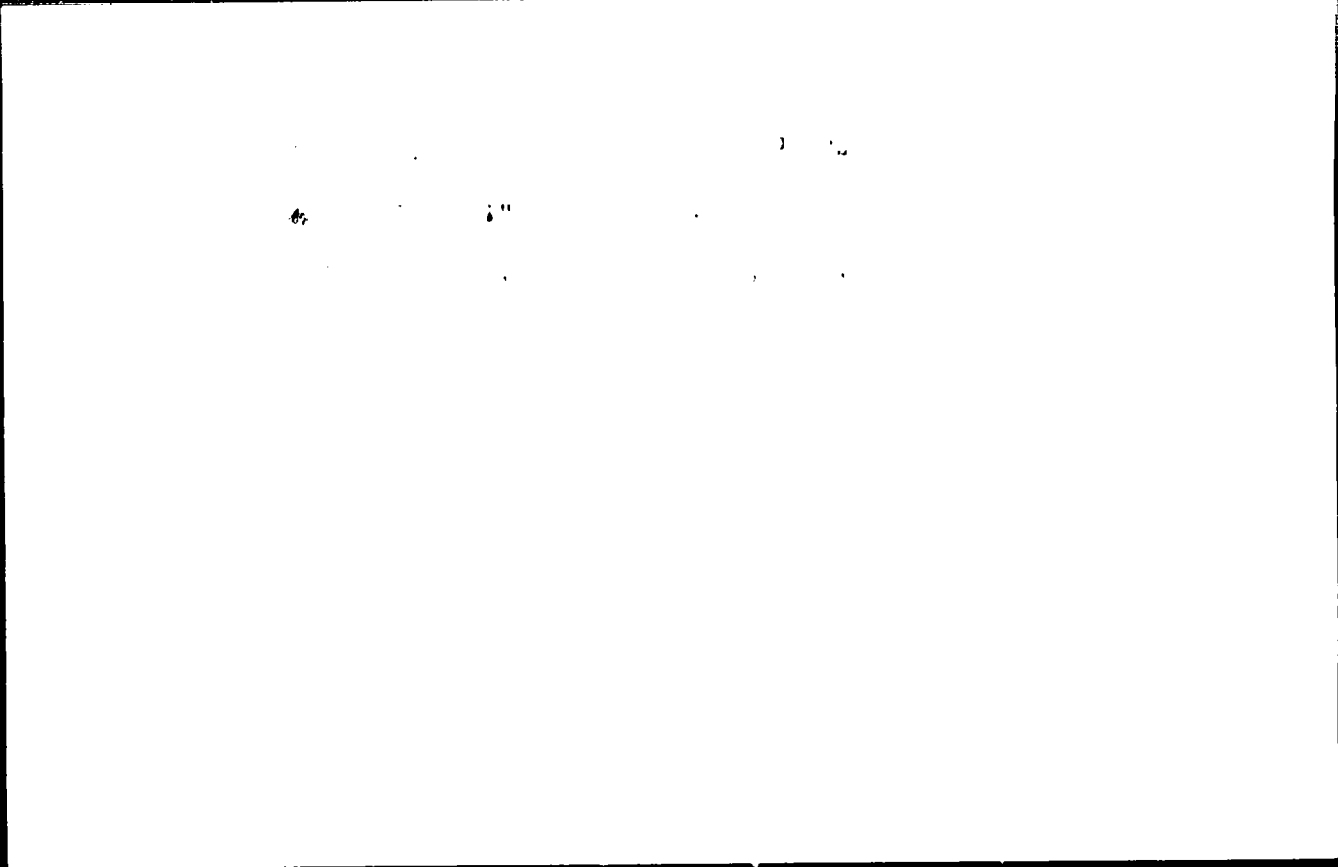
Intensifying porcelain whiteness by chlorine treatment. Analele
chimie 17 no.2:152-163 Ap-Je '62.

PIERO, L.S.

~~Calculation of heat exchange in reaction vessels with moving
packing. Gaz. proc. 4 n. 15-16 Je '59. (MIRA 12:8)
(Heat exchangers) (Heat Transmission)~~

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001341010001-0



APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001341010001-0"

AUTHORS: Zakharikov, N. A., Piro, L. S., Dem'ovich, 72-58-1-2
B. K., Zaliznyak, D. V.

TITLE: The Annealing of Glass Tubes (Otzhig steklyannykh trub)

PERIODICAL: Steklo i keramika, 1958, No 3, pp. 1-4

ABSTRACT: It was experimentally proved that with drawing of tubes of 50 mm diameter from ordinary glass (of the type of window-glass) at a speed of 70 to 90 m per hour, the residual stresses amount to 20 to 50 mp/cm per 1 mm of the tube-wall thickness after cooling in the engine shaft. With drawing of the same tubes from glass poor in alkali, at a speed of 90 to 95 m per hour, the residual stresses attain 30 to 70 mp/cm per 1 mm thickness of the tube-wall. The velocity of drawing of tubes of 50 mm diameter amounts to 60 to 100 m of running meters per hour. The output of the engine could be increased if it would be possible to achieve the first annealing of the tubes in the engine-shaft and to carry out the subsequent annealing in special plants. The subsequent annealing is at present carried out in a furnace the capacity of which is smaller than that of the engine.

Card 1/3

The Annealing of Glass Tubes

72-58-3-2/15

that part of the current tube-production remains unannealed on stock in the glassworks at Gomet'. Tests were carried out with a gas annealing furnace which was developed with the assistance of G. F. Martynyuk and I. A. Shilov and which operated according to a principle which is different from the existing one. In this furnace, the glass-tubes are simultaneously heated both from inside and outside by means of blowing by combustion gases, by which the efficiency of the annealing-process increases, as well as the quality of the tubes, due to a more uniform heating. A formula with a coefficient K which depends on the diameter and on the lengths of the tubes, as well as on the velocity of combustion gases is given for the computation of temperature, as may be seen from figure 1. This furnace is represented in figure 1 and is designed for the operation of 2 mechanical equipments. Further, the construction and the operation of the furnace are fully described. The glass-tubes are vertically located in a container and conveyed into the chambers of the furnace by means of trucks. The furnace has 4 chambers and the annealing scheme is divided into 4 equal periods. This furnace has been in operation for a period of 11 months during which 32 kilometers of tubes were annealed.

Card 2, 3

The Annealing of Glass Tubes

72-58-1-011

The measured values of the residual stresses are given in table 2. The temperatures of the combustion gases at the input and output of the sets of tubes are given in figure 2. There are 2 figures and 2 tables.

ASSOCIATION: Institut ispol'zovaniya gaza AN USSR
(Institute for Gas-Utilization AS Ukrainian SSR)
Gomel'skiy stekol'nyy zavod (Gomel' Glassworks)

1. Glass tubing- Heat treatment

Card 3/3

ZAKHARIKOV, N.A.; LESOVOY, N.V.; MITIN, N.G.; PIORO, L.S.

Calcinating porcelain in a gas bleaching medium. Stek. i ker.
18 no.2:15-19 F '61. (MIRA 14:3)
(Porcelain)

ZAKHARIKOV, N.A.; PIORO, L.S.; DEMIDOVICH, B.K.; ZALIZNYAK, D.V.

Annealing glass tubes. Stek. i ker. 15 no.3:5-8 Mr '58. (MIRA 11:7)

1. Institut izbol'zovaniya gaza AN USSR i Gomel'skiy stekol'nyy zavod.
(Glass manufacture)

PIURO, I

DZHEVETSKIY, Yan [Drzewiecki, Jan]; ~~PIURO, Tadeusz~~ [Pióro, Tadeusz];
KRASIL'NIKOV, S.N., gen.-leytenant, nauchnyy red.; NEMCHINSKIY,
Ya.O.. [translator] BORISOV, V.V., red.; SOKOLOVA, G.F., tekhn.red.

[Problems in the development of the military art] Problemy
razvitiia voennogo iskusstva. Pod nauchnoi red. S.N.Krasil'nikova.
Moskva, Voen.izd-vo M-va obor. SSSR, 1958. Translated from the
Polish. 111 p.

(MIRA 11:12)

(Military art and science)

HICOGARD, C.

An improved installation for the direct feeding of spraying pistol with air and nitrocellulose lacquer. p. 429.

INDUSTRIA LEMNULUI. (Asociația Stiințifică a Inginerilor și Tehnicienilor din România se Ministerul Industriei Lemnului) București, România.
Vol. 8, No. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960.

Uncl.

1.47181-66

ACC NR: 1.03411

SOURCE CODE: PO/002/66/000/004/0097/0103

ROTHIEWICZ Piotr (M.Sc;Engr.)

Automatic Gain Control in Transistorized Receivers

Warsaw, Przebiegi Telekomunikacyjny, Vol 38(32), No 4, April 1966
pp 97-103.

Abstract: The article discusses and analyzes various methods of automatic gain control when applied in amplifiers having transistors rather than tubes. The feasibility of regulating the gain is considered first theoretically in the light of the peculiar transistor characteristics and parameters. Three basic methods of automatic gain control are shown, namely: a) by changing the emitter current downward or upward, depending on the type of transistor element involved and in which region of its voltage-current characteristic it operates; b) by changing the collector voltage; c) by changing both the emitter current and collector voltage simultaneously, i.e. by a combination of a) and b). In determining which method is to be used, consideration is given to protecting the receiver against overdriving and blocking, to the effectiveness, range and linearity of regulation, to the effect on the transfer characteristics of regulated stages, to the power requirement and to the signal/noise ratio. Methods c) and a) "upward" are most widely recommended, except in the case of alloyed-diffusion type transistors with which only method a) "downward" is possible. Some recommendations are also made as to economy and other requirements.

Card 1/2

L 4282-66

ACC NR: AM6034318

ORG: none

Orig. art. has: 13 figures and 7 formulas. (JRG: 36558)

SUB CODE: 09,17 / SUBM DATE: none / OTH REF: 009

TOPIC TAGS: automatic control, amplifier design, transistor, volt ampere characteristic, signal to noise ratio

Card 2/2 mjs

REF: 421-391-62

PICCOLI, E., I.A.

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ARTEMOV, P. I.; KOCHEMAZOV, M. I.; PIOTRASHKO, Yu. M. (Korotkiy)

Change in the standards for dispensary and polyclinical care and
for the number of patients at a territorial medical center.
Zdrav. Res. Feder. 6 no.6:8-13 Je '62. (MIRA 19:?)

(HOSPITALS—OUTPATIENT SERVICES)
(MEDICAL CARE)

KOCHEMAZOV, N.I.; PIOTRASHKO, Yu.M.

Principal tasks of the public health service in Kuybyshev Province,
1959-1965. Zdrav.Bos.Feder. 3 no.1:16-19 Ja '59. (MIRA 12:2)

1. Iz Kuybyshevskogo obletnogo otdela sdravookhraneniya.
(KUYBYSHEV PROVINCE--PUBLIC HEALTH)

28(0), 5(4), 6(2) PHASE I BOOK EXPLOITATION 30V 721
 Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii imeni
 D.I. Mendeleeva
 Referaty nauchno-issledovatel'skikh rabot, sbornik nauchnykh
 issledovaniy. Collection of Articles, No. 2 Moscow,
 Standartgiz, 1951. 139 p. 11000 copies printed.

Additional Sponsoring Agency: USSR, Komitet standartov, ser 1
 imeritel'nykh priborov

Ed.: S. V. Reshetina, Tech. Ed.: M. A. Kondrat'yeva
 PURPOSE: These reports are intended for scientists, researchers,
 and engineers engaged in developing standards, measures, and
 gauges for the various industries.

COVERAGE: The volume contains 124 reports on standards of measur-
 ment and control. The reports were prepared by scientific
 institutes of the Komitet standartov, ser 1 imeritel'nykh
 priborov pri Sovetskom Ministere SSSR, Komission na Standartov,
 Measures, and Measuring Instruments under the USSR Council of
 Ministers. The participating institutes are: VNIIM
 Vsesoyuznyy nauchno-issledovatel'skiy metrologicheskii
 Mendeleeva (A. Union Scientific Research Institute of Metro-
 poly imeni D. I. Mendeleeva, in Leningrad, Sverdlovska branch
 of this institute, NIIM - Vsesoyuznyy nauchno-issledovatel'skiy
 (All-Union Scientific Research Institute of Metrology,
 Standards, Measures, and Measuring Instruments, in Leningrad,
 from NIIMIP - Moscow), Sverdlovska branch of this institute,
 imeritel'nykh priborov, Moskva State Institute of Measures
 and Measuring Instruments, October 1949, VNIIMPI,
 Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-khimicheskoy
 chekanii i radiatsionnoy fiziki imeni P. I. Lebedeva, Sverdlovska
 Research Institute of Physicochemical and Radiometric
 Measurements, in Moscow, KhIMKIP - Khimicheskiy khimicheskii
 Institut ser 1 imeritel'nykh priborov Khimicheskogo gosudarstvennogo
 of Measures and Measuring Instruments, VNIIMKIP - Khimicheskii
 gosudarstvennyy institut metrologii imeni D. I. Mendeleeva,
 Leningrad, State Institute of Measures and Measuring Instruments,
 ser 1 imeritel'nykh priborov. No personalities are mentioned. There are no references.

Aleksandrov, V. A., in: Muzhikov, I. A. Druzya, and G. V. Shestakov
 Priborostroyeniye, Seriya 1, No. 1, 1951, p. 11-12, 13-14, 15-16, 17-18, 19-20,
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TKACHUR, D.M.; JMEI'CHENKO, S.I.; ZUBKOVA, Z.A.; PIOTROVSKAYA, V.G.;
BELETSKAYA, T.V.

Effect of initiating systems on the copolymerisation of anthracene
modified glycol maleic resins with styrene. Plast.massy no.6:3-6
'65.

(MIRA 18:8)

L 62171-65 EPF(c)/EWP(j)/EWT(m)/T Pc-h/Pr-h JAJ/RM

UR/0191/65/000/006/0003/0006
678.674'420'448-134.434.2

ACCESSION NR: AP5014683

AUTHOR: Tkachuk, B.M.; Omel'chenko, S.I.; Zubkova, Z.A.; Piotrkovskaya, V.G.; Beletskaya, T.V. 29
B

TITLE: Effect of initiating systems on the copolymerization of anthracene-modified polyglycol maleate resin with styrene

SOURCE: Plasticheskiye massy, no. 6, 1965, 3-6

TOPIC TAGS: copolymerization, polymaleate, styrene copolymer, polyglycol resin, anthracene modifier, polymerization initiator, polymerization accelerator, cold hardening

ABSTRACT: The article describes systems for cold hardening, consisting of one initiator and one accelerator, and also multicomponent systems consisting of two initiators and one accelerator, or one initiator and two accelerators. Two-component systems consisting of peroxides of methylethyl ketone and cyclohexanone with a cobalt accelerator were found to be the most suitable for the cold hardening of the anthracene-modified polyglycol maleate resin PNA-ED-2. Three-component systems (methylethyl ketone peroxide — benzoyl peroxide — cobalt naphthenate; or cyclohexanone peroxide — isopropylbenzene hydroperoxide — cobalt naphthenate) have no advantages over two-component systems.

Card 1/2

L 62171-65

ACCESSION NR: AP5014683

The use of diethylaniline as an additional accelerator in the systems isopropylbenzene hydroperoxide — cobalt naphthenate and methylethyl ketone peroxide — cobalt naphthenate leads to a marked retardation of gelling action without causing a change in physicochemical properties. Orig. art. has: 6 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 003

CC
Card 2/2

ON No: AP4012185

S/0191/64/000/002/0017/0015

Chenchenko, S. I.; Sorokin, V. P.; Tkachuk, B. M.;
Belyetskaya, T. V.; Zubkova, Z. A.; Piotrkovskaya, V. S.
Safonov, A. I.

Unsaturated polyglycol maleinate resins modified by anthracene

Plasticheskiye massy*, no. 2, 1964, 17-19

RES: unsaturated polyglycol maleinate resin, anthracene,
unsaturated polyester resin, glass-reinforced plastic, maleic an-
hydride, contact method, filler, binder, heat resistance

ABSTRACT: Effort directed toward broadening the raw material base
for synthesis of unsaturated polyester resins is acquiring great
value in connection with the expansion of glass-reinforced plastic
production. Unsaturated polyester resins were synthesized by two
methods: (1) joint polycondensation of maleic anhydride with additive
of anthracene and glycol (ethylene glycol or diethylene glycol).
(2) introduction of anthracene during condensation polymerization of
glycols and maleic anhydride. Two problems are simultaneously

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ACCESSION NR: AP4012185

solved: obtaining unsaturated polyester bonds with improved properties and the expansion of the raw material base for their production. Optimum conditions for the process were studied and it was established that stable resins can be obtained by synthesis in one stage (22-23 hrs.) and in a two-stage process (16-27 hrs.). Glass-reinforced plastic was prepared on the basis of resins derived by the contact method; glass cloth of brand T and ACTT (b) C, with paraffin lubricant were used as filler. Physical-mechanical testing indicates that the resins modified by additive or anthracene can be used as binders. Glass-reinforced plastic based on resin of certain brands (PNA-D-2, PNAD-E-3, PNAD-2.5) possess increased heat resistance and the best physical-mechanical properties.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: CH, MA

NR REF SOV: 001

OTHER: 003

Card 2/2

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SHI TA A. (1910-1980) (1910-1980)
SHI TA A. (1910-1980) (1910-1980)

PIOTRKOVSKIY, G.G.; ASHIKHMEN, F.V.

Automatic control of blast furnace operations. Stal' 17 no.1:16-20
Ja '57. (MLRA 10:3)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Blast furnaces) (Automatic control)

PICT:CPAWIOWSKA-WF IN DT, Maria

Studies on Vitamin B₁₂ deficiency in cases of syphilis and
inflammatory lesions in the central nervous system in humans.
Roczn. pom. akad. med. Swierzawski 1975-84: 147.

1. P. I. K. ... (Elenowicz prof. dr. med. Julia Starklowiczowa).

FEDYNSKIY, V.V., doktor fiz.-matem. nauk, prof., otv. red.; BALLAKH,
I.Ya., red.; FICHTROVSKIY, V.V., kand. geogr. nauk, red.;
TARANOV, N.I., red.; CHYZHEVSKIY, A.I., prof., red.; KUMKES,
S.N., red.; CHERNYKH, M.F., mlad. red.

[Earth in the universe Zemlia vo vesennsi. Moskva, Izd-
vo "Mysl'," 1966. 200 s. (MIA 17:10)

PIOTRKOVSKIY, Ye.O. (Moskva)

Hieronimus Mercurialis and his treatise "De arte gymnastica".
Vop. kur., fizioter. i lech. fiz. kul't. 26 no.5:450-458 (1971).
(MIRA 22:1)

(MERCURIALE, GIROLAMO, 1530-1606)

STARKIEWICZOWA, Julia; BENIGOLSKA, Janina; PIOTRPAWLOWSKA, Maria

Attempted use of the BCG test in the diagnosis of tuberculosis in vaccinated children. Polski tygod. lek. 13 no.50:2005-2010 15 Dec 58. 6

1. Z Katedry Zespolowej Pediatrii P.A.M. w Szczecinie; prof. dr B. Hornicki i doc. dr J. Starkiewiczowa. Adres: Szczecin, ul. Sklodowskiej 12.

(BCG VACCINATION

Sull's BCG test in diag. of tuberc. in vaccinated child. (Pol))

PIOTRPAWLOWSKA, Maria; GORNICKA, Zofia; SLIWINSKA, Halina

Blood vitamin C level in hypothyretic infants. *Pediat. polska* 33
no.2:179-188 Feb 58.

1. Z Katedry Zespolowej Pediatrii P.A.M. w Szczecinie Kierownicy:
prof. dr med. B. Gornicki, doc. dr med. J. Starkiewiczowa i s
Laboratorium Centralnego, P.S.K. w Szczecinie Kierownik: dr H. Sliwiska.
Adres: Szczecin, ul. Unii Lubelskiej. Klinika Pediatryczna A.M.
(INFANT, NUTRITION, DISORDERS, blood in.
vitamin C. in malnutrition (Pol))
(VITAMIN, C. in blood
in malnutrition in inf. (Pol))

GREC, Jadwiga; PIOTROPANLOWSKA-WEINERT, Maria

On technics, indications and interpretation of pneumoencephalography
in children. *Pediat. Pol.* 37 no.3:255-262 '62.

1. Z Zakładu Radiologii PAM w Szczecinie Kierownik: prof. dr med.
C. Murczynski i z I Kliniki Pediatrycznej PAM w Szczecinie Kierownik:
doc. dr med. J. Starkiewiczowa.

(VENTRICULOGRAPHY in inf & child)

Page 1 of 1
The following information was obtained from a review of the files of the Central Intelligence Agency and is being furnished to you for your information. It is to be used only for the purpose for which it was furnished and is not to be disseminated outside your agency.

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Variability of local strains of *Salmonella typhosa* during its artificial adaptation to antibiotics. Zhur.mikrobiol.epid. i immun. 29 no.7: 20-24 J1 '58 (MIRA 11:8)

1. Iz Khabarovskogo meditsinskogo instituta.
(SALMONELLA TYPHOSA, effect of drugs on, chloramphenicol & streptomycin, variability during artif. adaptation (Rus))
(CHLORAMPHENICOL, effects, on *Salmonella typhosa*, variability during artif. adaptation (Rus))
(STREPTOMYCIN, effects, same (Rus))

PIOTROVICH, A.K., kand. med. nauk; KOVAL'SKIY, B.S., kand. med. nauk
(Khabarovsk)

Clinical aspects of influenza in Khabarovsk. Klin. med. 41
no.7:117-120 JI'63 (MIRA 10:12)

1. Iz kafedry infektatsionnykh bolezney(zav. - dotsent S.Ye.
Shapiro) Khabarovskogo meditsinskogo instituta.

SHAPIRO, S.Ye., dots.; PIOTROVICH, A.K., kand. med. nauk; BUNIN, K.V.,
prof., red.; BELIKOV, G.P., red.; MATVEYEVA, M.M., tekhn. red.

[Antibiotic therapy with levomycetin and synthomycin in
typhoid and paratyphoid fever] Antibiotikoterapiia levomi-
tsetinom i sintomitsinom briushnogo tifa i paratifov. Pod red.
K.V.Bunina. Moskva, Medgiz, 1962. 193 p. (MIRA 15:3)
(LEVOMYCETIN) (CHLOROMYCETIN) (TYPHOID FEVER)
(PARATYPHOID FEVER)

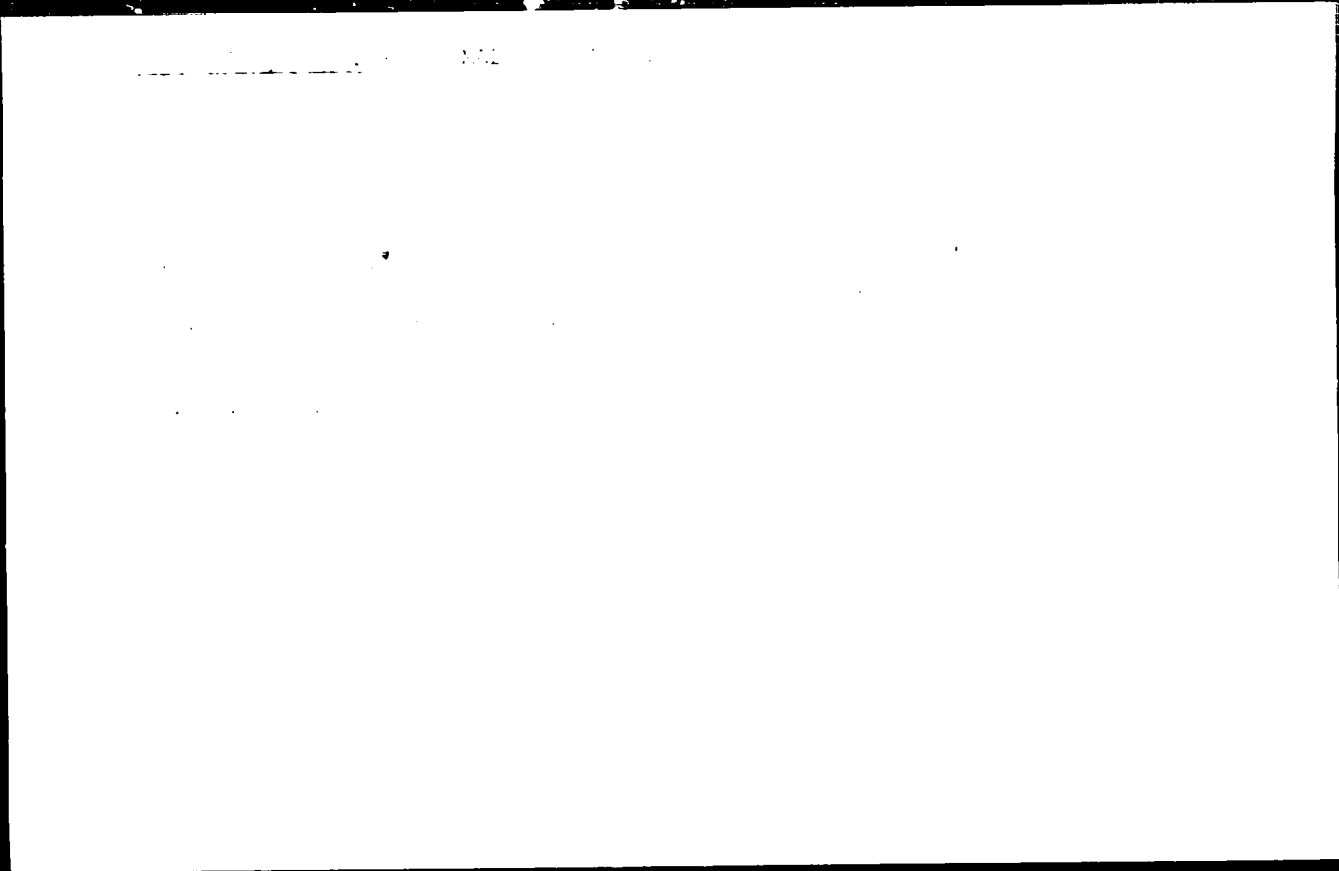
PIOTROVICH, A.K.

Primary sensitivity, and rapidity and degree of adaptation to
synthomycin and streptomycin in local strains of typhoid and
paratyphoid bacilli. Zhur.mikrobiol.evid. i immun., supplement
for 1956:47-48 '57 (MIRA 11:7)

1. Iz kafedry mikrobiologii i infeksionnykh bolezney Khabarovskogo
meditsinskogo instituta.
(BACTERIA, EFFECT OF DRUGS ON) (EBERTHELLA TYPHOSA)
(SALMONELLA)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001341010001-0



APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001341010001-0"

PIOTROVICH, V. V.

"A Method for the Determination of Heat Gain on Water Surfaces and the
Results of Its Application in the Field," Trudy of the State Inst. Hydrol.,
Ed., 11, 1941.

PIOTROVICH, V.V., kandidat tekhnicheskikh nauk.

Underwater ice formations. Priroda 45 no.9:94-95 S '56. (MLBA 9:10)

1. Tsentral'nyy institut prognozov, Moskva.
(Ice on rivers, lakes, etc.)

PICTREVIKH, V V

SOV/1655

PHASE I BOOK EXPLOITATION

3(4,5)

Akademiya nauk SSSR. Komitet po geodezii i geofizike.

Tezisy dokladov na XI General'noy assambleye Mezhdunarodnogo geodezicheskogo i geofizicheskogo soyuza. Mezhdunarodnaya assotsiatsiya nauchnoy gidrologii (Abstracts of Reports Submitted to the 11th General Assembly of the International Union of Geodesy and Geophysics. The International Association of Scientific Hydrology) Moscow, 1957. 101 p. /Parallel texts in Russian and English or French/ 1,500 copies printed.

No additional contributors mentioned

PURPOSE: This booklet is intended for hydrologists and civil engineers.

COVERAGE: This collection of abstracts covers reports presented at the 11th General Assembly of the International Union of Geodesy and Geophysics on hydrological, erosional, and glaciological processes. Studies related to problems of underground waters, snow, and rivers are also discussed. The abstracts are in Russian, with English or French translations. Those appearing in English are designated by a single asterisk; those in French by two. There are no references given.

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SOV/1655

Abstracts of Reports (Cont.)

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L'vovich, M.I. Factors Affecting River Runoff *	17
Gopatin, G.V. Deposits in USSR Rivers *	22
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SOV/1655

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- Shul'ts, V.L. Basic Characteristics of the Regimen of Rivers of Central Asia in Connection With Problems of Their Utilization * 40
- Bogomolov, G.V., and N.A. Plotnikov. Classification of Underground Waters and Their Representation on Maps ** 45
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AVAILABLE: Library of Congress (GB653.A37)

Card 4/4

MM/gmp
5-21-59

PLOTROVICH

PIOTROVICH, V.V.; BULATOV, S.N.

An apparatus for the exact measurement of the accumulation of ice
on basins. Meteor. i gidrol. no.10:39-41 O '57. (MIRA 10:11)
(Ice on rivers, lakes, etc.) (Meteorological instruments)

3(7)

PHASE I BOOK EXPLOITATION

SOV/1474

Piotrovich, Vil'gel'm Vladislavovich

Obrazovaniye i staviyaniye l'da na ozerakh-vodokhranilishchakh i raschet srokov ledostava i ochishcheniya (Formation and Thawing of Ice on Reservoir - Lakes and the Forecasting of Dates of Freeze-Up and Complete Thaw) Moscow, Gidrometeoizdat, 1958, 191 p. 1,500 copies printed.

Ed. (Title page): O.P. Chizhov; Ed. (Inside book): M.I. Sorokina;
Tech. Ed.: I.M. Zarkh

Sponsoring Agencies: U.S.S.R. Glavnoye upravleniye gidrometeorologicheskoy sluzhby, and Moscow. Tsentral'nyy institut prognozov.

PURPOSE: This book is intended for hydrologists, researchers, students, and for technical personnel of the Hydrometeorological Service.

Card 1/6

Formation and Thawing of Ice on Reservoir (Cont.) SOV/1474

COVERAGE: In connection with the construction of hydroelectric stations, some of the larger rivers in the USSR are being converted into a system of reservoir lakes. Information on the conditions and dates of freeze-up and thawing is thus becoming increasingly important to a growing number of organizations whose operations are affected by these phenomena. As a result, the Central Forecasting Institute conducted a study between 1952-1956 on methods of forecasting dates of freeze-up and thaw. The results of this investigation are herein presented and discussed. The appendix contains tables with data on freeze-up and thawing dates, mean water and air temperatures prior to freezing and during thaw, and wind velocity before freezing for reservoir lakes in the USSR. The author expresses his thanks to V. Ya. Amineva and N.P. Yurikovskaya of the Central Forecasting Institute for their participation in this work, and to O.P. Chizhov for his assistance in reviewing and editing the manuscript. There are 39 diagrams, 45 tables, and 33 references of which 30 are Soviet, 2 German, and 1 English.

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Formation and Thawing of Ice on Reservoir (Cont.) SOV/1474

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Formation and Thawing of Ice on Reservoir (Cont.) SOV/1474

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Card 5/6

30V/00-10-1-1

3(0)

AUTHOR:

Piotrovich, V. V.

TITLE:

On the Reasons for the Increase of the Crystals of "Intra-water" (vnutrivodnogo) Ice in Overcooled Water (Prichiny razmnozheniya kristallov vnutrivodnogo l'da v pereokh azhdennoy vode)

PERIODICAL:

Meteorologiya i gidrologiya, 1954, Nr 1, pp 12-13

ABSTRACT:

The author polemizes against V. V. Lavrov (Ref 2) who denies the possibility of a formation of new crystals of "intra-water" ice from splinters (Ref 3, an earlier paper by the author). According to Lavrov these crystals form from the so-called ice-germs which can be observed in great number near the ice. Finally Lavrov refutes the idea of the author according to which the formation of "intra-water" ice can be prevented by artificial introduction of large quantities of ice granules which form from solid CO₂, AgJ, and other substances. The author proved the correctness of his assertion by an experiment: he placed a piece of dry ice (1-1 g) on the rim of an open container in which water was cooled. The evaporation products of dry ice were blown by a ventilator against the

Card 1/2

On the Reasons for the Increase of the Crystals of CO_2 in the Water
"Intra-Water" (vnutrivodnogo) Ice in Overcooled Water

water surface. At a water temperature of $+0.2, +0.1^{\circ}$ numerous small ice crystals formed in a thin surface layer. Below 0° the ice crystals moved around everywhere in the water. The undercooling of water was weakened considerably; above all, no agglomerations of ice formed on objects under the water surface as occurs usually without the action of dry ice. The effect was due to the formation of minute ice crystals in the air around dry ice. Dry ice emits "vapor" which are clearly visible under the microscope. They fell into the water and formed "intra-water" ice crystals. The development of heat reduced the undercooling of water so that no "intra-water" ice could form on the objects under the water surface. The author holds the opinion that constructions in water could be protected against the formation of "intra-water" ice by introducing ice crystals into the river. The practical application of solid CO_2 , Ac_2O and others, requires careful special investigation. There are 1 Soviet references.

Card 2/2

PIOTROVICH, V.V.

Methods of calculating the maximum thickness of ice on reservoirs.
Trudy TSIP no.130:3-86 '63. (MIRA 17:3)

Pic Trovich, V. V.

30) PLAN I BORN REPRODUCTION 807 2997

Review. Structural 197 Institut prognost
Voprosy gidrometeorologii i klimatologii (Problems in Hydrological Forecasting)
Moscow, Gidrometeoizdat, 1979, 122 p. Series: Ser. Study, 779. 5k
Reprints only inserted. 300 copies printed.

Sponsoring Agency: Glavvostroygidrometeorologicheskoy sluzhby pri
Sovetskom Ministre SSSR.

Eds. (Title page): V. V. Trovich and V. I. Spontshikov; Ed. (Inside book):
M. I. Borovik, Tech. Ed.: I. M. Zakh

NOTES: This issue of the Institute's Transactions is intended for hydro-
logists and meteorologists.

CONTENTS. Individual articles discuss the problem of evaluating the methods
and the verification rate of hydrological forecasts, the forecasting of
high-water discharge and ice phenomena on rivers and water reservoirs, and
the use of climate curves in forecasting. No parallelities are
mentioned. References accompany each article.

Spontshikov, V. I. The Use of Water Intake Curves in Runoff
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Malashov, I. V. Results of Observations of Reservoir Freezing 65

Vlasovskaya, I. P. Comparison of Present-Day Data for the Volzhskaya
Bend V. I. Lesina and the Volzhskaya 25 Reservoirs and the Pos-
sibility of Forecasting 88

Pogorzelskiy, V. V. Methods of Long-Range Forecasting of Ice Clearances
on the Volzhskaya, Volzhskaya and Tsalinskaya 25
Reservoirs 99

Spontshikov, V. I. Increased Accuracy in Long-Range Forecasting Methods
of Ice Appearance on Rivers in Siberia and the Far East 115

AVAILABLE: Library of Congress

PIOTROVICH V.V.

Содержание и редакция: В.А. Дрываев, М.И. Протопопов, Тех. Ед. М.И.

Resp. Ed.: V.A. Dryvaev, Ed.: V.Z. Protopopov, Tech. Ed.: M.I. Braynina.

PCRPCK. This work is intended for astrophysicists, hydrologists, and hydrophysicists, particularly those engaged in the study of snow and ice and evaporation processes.

COVERAGE: This book contains papers on hydrophysicists which were presented and discussed at the Third All-Union Hydrological Conference in Leningrad, October 1957. The Conference published 10 volumes on various aspects of hydrology of which this is number 3. The editorial board in charge of the series include: V. A. Dryvaev, Ch. Veikman, O. A. Aksen, Ye. V. Bliznyak (deceased), O. M. Borzhek, M. A. Krasov, L. K. Davyd, A. P. Domantirsky, G. P. Orlov, Ye. V. Popov, A. K. Prokhorov, D. L. Sokolov, O. A. Spengler, A. I. Chebotarev, and S. K. Chertavskiy. This volume is divided into 107 sections; the first contains reports from the subsection for the study of evaporation processes, and the second contains reports from the snow and ice subsection. References accompany each article.

Клементов, А.О. [Professor, Doctor of Physical and Mathematical Sciences and A.A. Pivovarov, Candidate of Physical and Mathematical Sciences]. Computing the Rate of Autumnal Cooling Along a River	270
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Синбург, Б.М. [Candidate of Technical Sciences, TSP Moscow]. Fundamentals of the Method of Long-range Forecasting of Ice Break-up on Rivers	296
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PIOTRCVICH, V.V.

Method for long-range forecasts of the disappearance of ice in
reservoirs of the Stalingrad, Volga and Tsimlyansk Hydroelectric
Power Stations. Trudy TSIP no. 84:99-114 '59. (MIRA 12:9)
(Stalingrad Reservoir--Ice) (Tsimlyansk Reservoir--Ice)
(Volga Reservoir--Ice)

KLINOV, Filipp Yakovlevich; PIOTROVICH, V.V., otv.red.; GUS'KOV, G.G.,
red.isd-vs; ASTAP'YEVA, G.A., tekhn.red.

[Atmospheric water at low temperatures] Voda v atmosfere pri
nizkikh temperaturakh. Moskva, Isd-vo Akad.nauk SSSR, 1960.
168 p. (MIRA 14:2)
(Ice crystals) (Humidity)