LEVCHIK, S.P., kand.tekhn.nauk; SEINOV, N.P., gornyy inzhener

Studying the process of breaking up hard materials by blasting and the determination of the degree of crushing at various distances from the explosion. Nauch. soob. IGD 21:43-53 '63. (MIRA 17:2)

BARON, L.I., prof., doktor tekhn. nauk; LEVCHIK, S.P., kand. tekhn. nauk

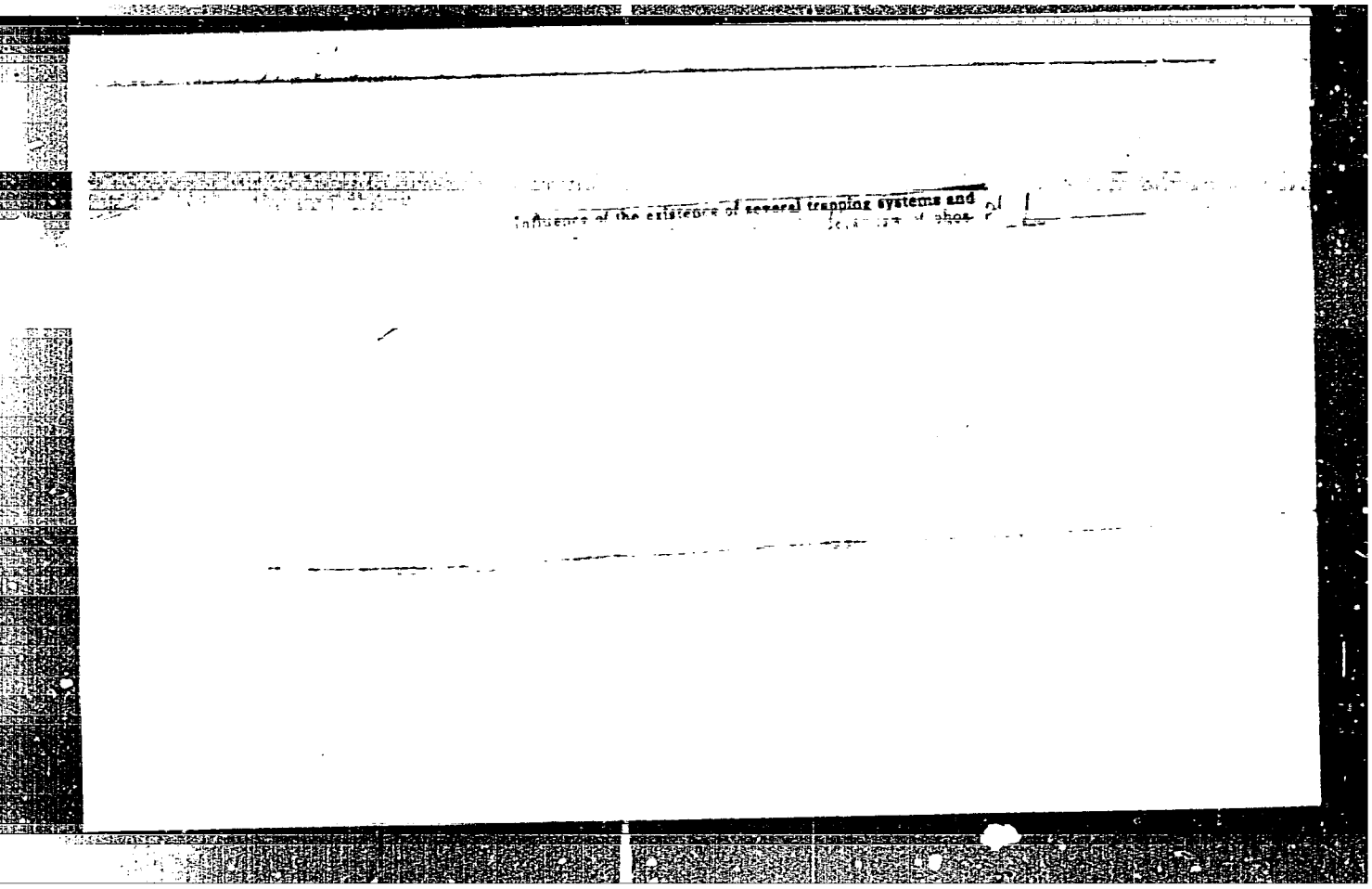
Making efficient tests for estimating the crushing capacity of explosives. Vzryv. delo no.53/10:43-46 '63. (MIRA 16:8)

1. Institut gornogo dela im. A.A. Skochinskogo.
(Explosives—Testing)

SAL'NIKOV, O.A.; SMETANIN, S.F.; LEVCHIK, Yu.E.

Program controlled milling machine. Stan.i instr. 34 no.4:40 Ap '63. (MIRA 16:3)

(Milling machines--Numerical control)



LEVCHIN, V. L. and BARANOVA, E. G.
Institut de Physique, Lebedev, Moscou, U. R. S. S.

"Etude Et Separation Des Differents Types De Transferts Et Dissipation De L'energie D'excitation Des Molecules Complexes En Solution,"

paper submitted at 8th Annual Meeting of French Society of Physical Chemistry, Paris, 27-30 May 1958.

LEVCHINSKAYA, G.N.

Blister beetles (Coleoptera, Meloidae) of the Crimea. Ent. oboz. 43 no.3:587-591 '64. (MIRA 17:10)

1. Kafedra entomologii Khar'kovskogo gosudarstvennogo universiteta, g. Khar'kov.

L 8133-66 EWT(d)/EWP(k)/EWP(h)/EWP(v)/EWP(1)

ACC NR: AP5025062 SOURCE CODE: UR/0286/65/000/016/0107/0107

AUTHORS: Vinitskiy, A. M.; Levchinskiy, A. Ya.

ORG: none

TITLE: Multichannel programmed temperature regulator. Class 42, No. 174015

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 107

TOPIC TAGS: temperature regulator, automatic temperature control

ABSTRACT: This Author Certificate presents a multichannel programmed temperature regulator containing temperature detectors located in the regulated objects and connected through a commutator to a regulating bridge circuit. A programmed temperature controller with a motor serves as one arm of the bridge. The regulator also contains a commutator motor and a bridge unbalance signal amplifier controlling by means of an intermediate relay and commutator the slave mechanisms varying the temperature of the objects. To regulate the temperature of objects whose program shifts with time, the programmed controller motor is connected through an amplifier to the output of a master bridge (see Fig. 1). One arm of the bridge is a regulation time setting unit with series connected time shift controllers for the regulation program

Card 1/2 UDC: 536.5.002.56:62-503.52

L 8133-66

ACC NR: AP5025062

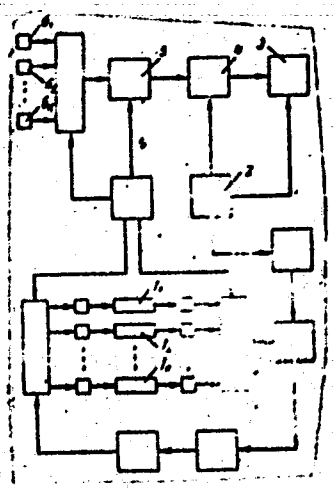


Fig. 1. 1_1, 1_2,..., 1_k - regulated objects (k pieces); 2- programmed controller motor; 3- amplifier; 4- master bridge; 5- regulation time setting unit; 6_1, 6_2,..., 6_k- regulation time shift controllers

of the corresponding object. Orig. art. has: 1 diagram.

SUB CODE: EC, TD/ SUBM DATE: 22Apr63

jw

Card 2/2

DUDKIN, M.S.; LEVCHISHINA, R.V.; MEDVEDEVA, Ye.I.; GORYASHINA, G.I.

Chemical composition of Dniester and Danube reeds.
Ukr.khim.zhur. 28 no.8:996-999 '62. (MIRA 15:11)

1. Odesskiy tekhnologicheskiy institut.
(Dniester River—Reed (Botany))
(Danube River—Reed (Botany))
(Plants—Chemical analysis)

LEVCHISHINA, R.V.

Investigating hemicelluloses of common reed in the vegetative stage. Trudy Od. tekh. inst. 14:109-114 '62. (MIRA 16:12)

1. Rabota vypolnena na kafedre organicheskoy khimii Odesskogo tekhnologicheskogo instituta. Rukovoditel' raboty - kand. tekhn. nauk, dotsent Dudkina, M.s.

LEVCHUK, A. I.

"The Narrow Leaf Oleaster, Its Biology and Cultivation in Kazakhstan." Cand Biol Sci, Inst of Botany, Acad Sci Kazakh SSR, Alma-Ata, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

LEVCHUK, M.A.

Combined therapy in cancer of the mammary gland. Medych.zhur. 22 no.4:37-47 '52. (MLRA 6:10)

1. Instytut eksperymental'noyi biolohiyi i patolohiyi im. akad. O.O.Bohomol'tsya Ministerstva okhorony zdorov'ya URSR. (Mammary glands--Cancer)

LEVCHUK, G. A.

"Early and Lasting Results of a Combination Treatment of Patients with Breast Cancer"
Vrachebnoye Delo, No 6, 1953, pp 487-492

Long-lasting results were achieved with a combination treatment given to 225 patients with cancer of the mammary glands. (Roentgen therapy, blood transfusions, Bogomolets' ACS serum, and surgery." The author reports that results were excellent: survivals after 5 years amounted to 41.9 percent; after 3 years to 64.5 percent. Elimination of the functions of the ovaries, small doses of blood, and administration of ACS cut down on the number of relapses, and conditions in the inoperable cases were greatly improved. (RZhBiol, No 4, 1954)

SO: Sum. 492, 12 May 55

LEVCHUK, G. A.

BAZLOV, Ye.A., dotsent, redaktor; LEVCHUK, G.A., redaktor; GITSHTEYN, A.D., tekhnicheskiy redaktor

[Problems in radiation therapy] Voprosy luchevoi terapii. Pod red. E.A. Bazlova. Kiev, Gos. med. izd-vo USSR, 1956. 249 p. (MLRA 10:5)

1. Kharkov. Nauchno-issledovatel'skiy institut meditsinskoy radiologii.
(RADIOTHERAPY)

MARCHUK, P.D., otvetstvennyy redaktor; BOGOMOLETS, O.A., redaktor; KAVETSKIY, P.Ye., redaktor; KOROL', S.A., redaktor; LEVCHUK, O.A., redaktor; MEDVEDEVA, N.B., redaktor; GITSHTEYN, A.D., tekhnicheskiy redaktor

[Cytotoxins in modern medicine; a collection of works commemorating the 75th birthday of Academician A.A.Bogomolets] TSitotoksiny v sovremennoi meditsine; sbornik rabot, posviashchennyi 75-letiiu so dnia rozhdeniia akademika A.A.Bogomol'tsa. Kiev, Gos. med. izd-vo USSR, 1956. 329 p. (MLRA 9:11)

1. Ukraine. Ministerstvo zdravookhraneniya.
(SERUM)

LEVCHUK, G. A., SOLOGUB, P. Ya., ZEKHOVA, Z. D., and LAVRIK, V. Ya.

"Certain Experimental Data Concerning the Use of Alcohol-Glucose-Citrated Blood in Therapy of Radiation Sickness," by V. Ya. Lavrik, G. A. Levchuk, P. Ya. Sologub, and Z. D. Zekhova, Ukrainian Scientific Research Sanitary-Chemical Institute, Vrachebnoye Delo, No 10, Oct 56, pp 1025-1028

Thirty rabbits were subjected to single total irradiation by 1,000 r; after 5 days they were classified into three groups of ten each: (a) controls which were not treated, (b) those treated by citrated blood, and (c) those that received alcohol-glucose-citrated blood. Radiation effects were identical in all three groups for the first 5 days, i.e., before the start of therapy. Within 12 days nine of the ten control rabbits had died. Groups b and c had greater resistance and the survivals by the 12th day were four and six, respectively.

Clinical and microscopic studies of liver, kidneys, heart, gastrointestinal tract, etc. showed that anemia, hemorrhages, disturbances in the gastrointestinal tract, decrease of arterial blood saturation with oxygen, and other symptoms were lighter in the treated experimental animals than in the controls, and they were much milder in those treated with alcohol-glucose-citrated blood than in those receiving the citrated blood.

There were no transfusion complications following the alcohol-glucose-citrated blood, but three of group b did show transfusion reaction. The authors therefore recommend the alcohol-glucose-citrated blood as one of the means of treatment of radiation sickness.

Sum 1239

4 LEVCHUK, G. A.

BELOKOZHKO, G.A.; MINENKO, Aleksey Yefremovich; BRECHKO, G.T.; DANILENKO, A.I.; LAVRIK, V.Ya.; LEVCHUK, G.A.; LUGANSKIY, N.I.; MORGUNOV, I.N.; LOKHMATYY, Ye.L. tekhredaktor

[Organization of medical services in connection with widespread contamination and injury of the population] Organizatsiia meditsinskogo obespecheniia pri massovykh porazheniiakh naseleniia. Pod red. A.E. Minenko. Kiev, Gos. med. izd-vo USSR, 1957. 494 p. (MLRA 10:5)

(ATOMIC MEDICINE)

LEVCHUK, G. A.

CHEBOTAREV, Ye.Ye. (Kiyev, ul. Saksaganskogo, d. 74, kv.6); KOREMEVSKIY, L.I.; LEVCHUK, G.A.; ZHOGA, N.A.

Role of ovarian function exclusion in the compound treatment of breast cancer. Nov.khir.arkh. no.3:14-18 My-Je '57. (MLRA 10:8)

1. Otdel eksperimental'noy i klinicheskoy khirurgii (zav. - chlen-korrespondent AMN SSSR prof. I.N.Ishchenko) i rentgeno-radiologicheskiy otdel (zav. - prof. A.A.Gorodetskiy) Instituta eksperimental'noy biologii i patologii Ministerstva zdravookhraneniya USSR
(BREAST--CANCER) (OVARIOTOMY)

LAVRIK, V.Ya., kand.med.nauk, LEVCHUK, O.A., kand.med.nauk

Role of radiation sensitivity of the hepatolienal system in the pathogenesis of the radiation syndrome. Vrach.delo no.11:1169-1174 N'58 (MIRA 12:1)

1. Laboratoriya patofiziologii (zav. - prof. O.A. Bogomolets) Ukrainskogo nauchno-issledovatel'skogo sanitarno-khimicheskogo instituta.
(RADIATION SICKNESS)
(LIVER)
(SPLEEN)

PEYSAKHOVICH, Iosif Mironovich, prof.; KOL'NER, Rakhil' Yul'yevna; KORENEVSKIY, Leonid Ivanovich; LEVCHUK, Georgiy Antonovich; MAZURENKO, Nikolay Petrovich; POLONSKIY, Boris Leonidovich; SAVITSKIY, Vasiliy Nikolayevich; TELENGATOR, Yakov Moisyevich; UMANSKIY, Yulian Aleksandrovich; GLUZMAN, F.A., red.; RAYZ, A.L., tekhn. red.

[Drug therapy for malignant tumors] Khimioterapiia zlokachestvennykh opukholei. Kiev, Gos. med. izd-vo USSR, 1961. 304 p. (MIRA 14:11)

(CANCER)

ISHCHENKO, I.N., prof., zaslushennyy deyatel' nauki, otv.red.; PARKHOMENKO, V.N., dotsent, red.; ALEKSEYENKO, I.P., dotsent, red.; BRATUS', V.D., dotsent, red.; KOLOMIYCHENKO, M.I., prof., zaslushennyy deyatel' nauki, red.; NOVACHENKO, N.P., prof., zaslushennyy deyatel' nauki, red.; FEDOROVSKIY, A.A., prof., red.; LEVCHUK, G.A., red.; LOKHMATYY, Ye.G., tekhred.

[Transactions of the Ninth Congress of Ukrainian Surgeons] Trudy IX s"yezda khirurgov Ukrainskoy SSR. Kiev, Gos.med.izd-vo USSR, 1960. 645 p. (MIRA 14:12)

1. S"yezd khirurgov Ukrainskoy SSR. 9th, Dnepropetrovsk, 1958. 2. Chlen korrespondent AN USSR (for Ishchenko). 3. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Novachenko).
(UKRAINE--MEDICINE, INDUSTRIAL) (PEPTIC ULCER)
(PANCREAS--DISEASES) (SURGERY)

MARCHUK, P.D., otv. red. (Kiyev); BOGOMOLETS, O.A., red. (Kiyev); KAVETSKIY, R.Ye., red. (Kiyev); KOROL', S.A., red. (Kiyev); LEVCHUK, G.A., red.; MEDVEDEVA, N.B., red.; GITSHTEYN, A.D., tekhn. red.

[Cytotoxins in present day medicine] TSitotoksiny v sovremennoi meditsine. Kiev. Gos. med. izd-vo USSR. Vol.2. 1960. 332 p. (MIRA 15:3)

1. Ukraine. Ministerstvo zdravookhraneniya.
(SERUM)

LEVCHUK, G.A., starshiy nauchnyy sotrudnik; KORENEVSKIY, L.I., starshiy nauchnyy sotrudnik

Antireticular cytotoxic serum in the compound treatment of tumors. Vrach. delo no.5:15-19 My '61. (MIRA 14:9)

1. Laboratoriya patofiziologii (zav. - prof. O.A.Bogomolets) Ukrainskogo nauchno-issledovatel'skogo sanitarno-khimicheskogo instituta i laboratoriya endokrinologii (zav. - starshiy nauchnyy sotrudnik L.I.Korenevskiy) Kiyevskogo rentgen-radio-onkologicheskogo instituta.

(ANTIRETICULAR CYTOTOXIC SERUM) (TUMORS)

SOLOGUB, P.Ya., kand.med.nauk; LEVCHUK, G.A., kand.med.nauk (Kiyev)

Symposium of oncologists and chemotherapeutists. Vrach. delo no.11: 152-154 N '61. (MIRA 14:11)

(MEDICINE--CONGRESSES)

L 17559-63 EWT(l)/EWT(m)/BDS/ES(j) AMD/AFFTC/ASD AR/K

ACCESSION NR: AT3002366 S/2930/62/000/000/0084/0094

57

AUTHOR: Levchuk, G. A. (Kiev); Bogdanovich, V. S. (Kiev)

TITLE: Heat and gas metabolism in acute rediation sickness 19

SOURCE: K voprosam ranney diagnostiki ostroy luchevoy bolezni; sbornik nauchnykh rabot. Kiev, Medgiz USSR, 1962, 84-94

TOPIC TAGS: acute radiation sickness, heat exchange, basal metabolism, blood gas composition, blood plasma lakali reserve, tissue temperature

ABSTRACT: Temperature of various organs and metabolism were studied in adult rabbits and dogs. Rabbits were X-irradiated by a RUM-3 unit, 16 r/min and then by a RUM-11 unit, 17.5 r/min in doses of 400, 650, and 900 r. Dogs were X-irradiated simultaneously by a RUM-3 unit, 11.6 r/min in doses of 400 and 200 r. Temperature of the skin, hip muscles, mucous membrane of the upper respiratory passages, and rectum were measured with a Bioterm unit. For the dogs, gas exchange, basal metabolism, blood gas composition, blood plasma alkali reserve, and oxygenation were used as indices in addition to temperature measurements and hematological data. It was found that in the first 3 hrs after irradiation a mean temperature increase of 1.0° is

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ACCESSION NR: AT3002366 O

observed for hip muscles and rectum, and a mean temperature increase of 1.5-2.0° is observed for skin areas and mucous membrane of the upper respiratory passages. At the same time the basal metabolism rate increases (with increased oxygen intake and increased heat exchange). After 24 hrs the temperature of the hip muscles and rectum either remains at the same level or increases a little, but the temperature of the skin and mucous membrane of the upper respiratory passages starts to decrease. Basal metabolism rate remains the same or increases a little. At the height of radiation sickness the basal metabolism rate is at its highest and temperature also increases (particularly for hip muscles and rectum). During the convalescent period both basal metabolism rate and temperature are restored to their normal levels between the 40th and 50th days. The author divides the nature of the changes during acute radiation sickness into two periods. During the early period the compensation mechanisms of the organism are mobilized and all indices studied increase. In the second period the compensatory functions of the organism are impaired and basal metabolism and temperature indices decrease and blood disturbances are observed. The further development of acute radiation sickness is determined to some extent by the structural changes in the organs and tissues, but mostly by the pathological discoordination of the various

L 17559-63

ACCESSION NR: AT3002366

exchange processes which is largely responsible for the functional and structural damages in the organism. Orig. art. has: 3 tables, 3 figures.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 28May63 ENCL: 00

SUB CODE: AM NO REF SOV: 019 OTHER: 003

Card 3/3

BRATUS', V.D., dots., otv. red.; AMOSOV, N.M., prof., red.; KOLOMIYCHENKO, M.I., prof., red.; FEDOROVSKIY, A.A., prof., red.; TUROVETS, I.G., prof., red.; KLOCHKOV, I.Ye., dots., red.; LEVCHUK, G.A., dots., red.; TRESHCHINSKIY, A.I., dots., red.; KOCHKOV, I.Ye., red.; CHUCHUPAK, V.D., tekhn.red.

[Problems of anesthesiology] Voprosy anesteziologii. Sbornik nauchnykh rabot, posviashchennyi 70-letiiu so dnia rozhdeniia chlena-korr. AN USSR, zasl. deiatelia nauki prof. I.N.Ishchenko. Kiev, Gosmedizdat USSR, 1963. 254 p. (MIRA 16:7)

1. Kiev. Medychnyi instytut.
(ISHCHENKO, IVAN NIKOLAEVICH, 1891-) (ANESTHESIOLOGY)

SHANTYR', V.I., kand. med. nauk, red.; LEVCHUK, G.A., red.; BOYKO, V.P., tekhn. red.

[Therapeutic and diagnostic use of radioactive isotopes] Lechebnoe i diagnosticheskoe primenenie radioactivnykh izotopov; trudy konferentsii. Pod red. V.I.Shantyr'. Kiev, Gosmedizdat USSR, 1963. 257 p. (MIRA 16:10)
(RADIOISOTOPES--THERAPEUTIC USE)

LEVCHUK, G.G., inzh.; SHEYNGOL'D, Ye.M., inzh.; BYALYY, I.L., inzh.

Introducing new technological processes for equipment repair.
Vest.mashinostr. 42 no.6:43-47 Je '62. (MIRA 15:6)
(Charkov—Industrial equipment—Maintenance and repair)

LEVCHUK, G.G.; BYALYY, I.L.

Gas-flame hardening of guides. Mashinostroitel' no.9:13-14 S '62. (MIRA 15:9)

(Gas fixtures)

SKIRIDOV, A.S., professor, doktor tekhnicheskikh nauk; LEVCHUK, G.P., redaktor; SHLENSKIY, I.A., tekhnicheskiy redaktor.

[Stereophotogrammetry] Stereofotogrammetriia. Moskva, Izd-vo geodezicheskoi i kartograficheskoi lit-ry, 1951. 356 p.(MLRA 8:11)
(Photogrammetry)

LEVCHUK, G.P.

BULANOV, Aleksandr Ivanovich; PESHKOV, Andrey Aleksandrovich; TROITSKIY, Boris Vladimirovich; SLOBODCHIKOV, D.A., redaktor; LEVCHUK, G.P., redaktor; INOZEMTSEVA, A.I., redaktor; KUZ'MIN, G.M., rekhnicheskiy redaktor

[Topography] Topografiia. Pod obshchei red. D.A.Slobodchikova. Moskva, Izd-vo Geodezicheskoi lit-ry. Pt.2. 1954. 219 p. [Microfilm] (MLRA 8:3)
(Topographical surveying)

BULANOV, A.I.; IZMAYLOV, P.I.; PETROV, N.A.; TROITSKIY, B.V.; SLOBODCHIKOV, D.A., redaktor; LEVCHUK, G.P., redaktor; INOZEMTSEVA, A.I., redaktor; KUZ'MIN, G.M., tekhnicheskiy redaktor.

[Topography] Topografiia. Pod obshchei red. D.A.Slobodchikova. Moskva, Izd-vo geodezicheskoi lit-ry. Pt. 1. 1954. 539 p. [Microfilm] (Topographical surveying) (MLRA 7:11)

YERMOLOV, Boris Pavlovich; DEMENT'YEV, Mikhail Pavlovich; LEVCHUK, G.P., red.; INOZEMTSEVA, A.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Principles of geodesy for civil engineers] Osnovy geodezii dlia stroitelei. Moskva, Izd-vo geodez. lit-ry, 1958. 211 p. (MIRA 12:1)
(Geodesy)

BRAYT, Petr Iosifovich; MEDVETSKIY, Yevgeniy Nikolayevich; LEVCHUK, G.P., dotsent, red.; KOMAR'KOVA, L.M., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Using geodetic methods in measuring deformations and settlement of structures] Izmerenie osadok i deformatsii sooruzhenii geodezicheskimi metodami. Moskva, Izd-vo geodez. lit-ry, 1959. 198 p. (MIRA 12:10)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii (for Levchuk).
(Foundations) (Soil mechanics)

IZMAYLOV, Petr Ivanovich; KISLOV, Vladimir Vladimirovich; PAVLOV, Vitaliy Fedorovich; PETROV, Nikolay Aleksandrovich; TROITSKIY, Boris Vladimirovich; LEVCHUK, G.P., red.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Topography and aerial topographical surveying] Topografiia i aerofototopografiia. Moskva, Izd-vo geod.lit-ry, 1959. 471 p.
(Topographical surveying) (Aerial photogrammetry)

SKIRIDOV, Aleksey Stepanovich, prof., doktor tekhn.nauk; LEVCHUK, G.P., red.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Stereophotogrammetry] Stereofotogrammetriia. Moskva, Izd-vo geodez. i kartograficheskoi lit-ry, 1959. 540 p. (MIRA 12:7)

(Aerial photogrammetry)

LEVCHUK, Grigoriy Pavlovich; GIRSHBERG, Moisey Abramovich; MAZNISHVILI, A.I., red.; KOMAR'KOVA, L.M., red.izd-va; ROMANOVA, V.V., tekhn.red.

[High-precision checking of conveying units in very long automatic lines; development of the method and its introduction into practice] Vysokotochnaia vyverka napravliaiushchikh putei avtomaticheskikh linii bol'shogo protiazheniia; razrabotka metoda i opyt vnedreniia v proizvodstvo. Moskva, Izd-vo geod. lit-ry, 1960. 94 p (Moscow. Institut inzhenerov geodezii, aerofotos"emki i kartografii. Trudy, no.38) (MIRA 14:3)

(Conveying machinery)
(Surveying)

BRONSHTEYN, Grigoriy Savel'yevich; GRECHISHKIN, Vladimir Uvarovich; GLOTOV, G.F., dotsent, retsenzent; SUNDAKOV, Ya.A., retsenzent; LEVCHUK, G.P., dotsent, red.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Plotting geodetic networks for construction surveys] Razbivka stroitel'noi geodezicheskoi setki. Moskva, Izd-vo geodez.lit-ry, 1960. 71 p. (MIRA 14:2)
(Surveying)

KUZNETSOV, Sergey Mikhaylovich; CHASTUKHIN, S.A., inzh.-geodezist, retsenzent; KLIMOV, O.D., kand.tekhn.nauk, retsenzent; MURAV'YEV, M.S., dotsent, retsenzent; LEVCHUK, G.P., dotsent, kand.tekhn.nauk, retsenzent; LEBEDEV, N.N., dotsent, retsenzent; GLOTOV, G.F., dotsent, retsenzent; GRIGOR'YEV, V.M., inzh.-geodezist, retsenzent; PIMENOV, A.F., inzh.-geodezist, retsenzent; BELIKOV, Ye.F., dotsent, red.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Geodetic operations in the design and construction of hydraulic structures] Geodezicheskie raboty pri proektirovanii i stroitel'stve gidrotekhnicheskikh sooruzhenii. Moskva, Izd-vo geod.lit-ry, 1960. 173 p. (MIRA 13:9)
(Hydraulic engineering) (Surveying)

VIDUYEV, Nikolay Grigor'yevich, prof., doktor tekhn.nauk; RAKITOV, Daniil Ivanovich; PODREZAN, Vladimir Viktorovich; MOISEYEV, Vladimir Yulianovich; AFANAS'YEV, Mikhail Aleksandrovich; LEVCHUK, G.P., dotsent, kand.tekhn.nauk, retsenzent; KUZIN, N.A., inzh.-geodezist, spetsred.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Surveying in bridge construction] Geodezicheskie raboty v mostostroenii. Pod red. N.G.Viduева. Moskva, Izd-vo geodez. lit-ry, 1961. 137 p. (MIRA 14:7)
(Surveying) (Bridge construction)

SHILOV, Petr Iosifovich; KULESHOV, D ..., prof., retsenzent; KOLOSOV, B.A., dots., retsenzent; I /CHUK, G.P., dots., red.; SHURYGINA, A.I., red. izd-va; SUNGUROV, V.S., tekhn. red.

[Geodesy] Geodeziia. Moskva, Izd-vo geodez. lit-ry, 1961. 392 p. (MIRA 15:2)
(Geodesy)

LEVCHUK, G.P., kand. tekhn. nauk, dotsent

Accuracy of the ENIM3 hydrostatic instrument. Trudy MIIGAIK no.50:21-32 '62. (MIRA 16:7)

1. Kafedra prikladnoy geodezii Moskovskogo instituta inzhenerov geodezii, aerofotos"yemki i kartografii.
(Level (Surveying instrument)--Testing)

STARODUBOV, Vitaliy Leont'yevich; SUNDAKOV, Yakov Arnol'dovich; LITVINOV, B.A., retsenzent; LEVCHUK, G.P., red.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Short-base parallactic traverse surveying] Korotkobazisnaia parallaktícheskaia poligonometriia. Moskva, Gosgeoltekhizdat, 1963. 307 p. (MIRA 16:8)
(Traverses (Surveying))

SHILOV, Petr Iosifovich, zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn.nauk,prof.; LEVCHUK, G.P., red.; BRAZHNIKOV, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Geodesy] Geodeziia. 2. izd., ispr. i dop. Moskva, Gosgeoltekhizdat, 1963. 381 p. (MIRA 17:3)

FEDOROV, Valentin Ivanovich; ANDREYEV, O.V., dots., retsenzent; LEVCHUK, G.P., dots., retsenzent; KISLOV, V.V., dots., red.

[Aerial geodesy and aerial surveying of highways] Aerogeodeziia i aeroizyskaniia avtomobil'nykh dorog. Moskva, Transport, 1964. 318 p. (MIRA 17:12)

KISLOV, V.V.; ZAITOV, I.R.; LOBANOV, A.N., doktor tekhn. nauk, retsenzent; LEVCHUK, G.P., kand. tekhn. nauk, dots., retsenzent; BORDYUKOV, M.P., kand. tekhn. nauk, dots. retsenzent; OVSYANNIKOV, R.I., kand. tekhn. nauk, dots., retsenzent; KOVYLOV, V.N., kand. tekhn. nauk, dots., retsenzent; BOBIR, N.Ya., doktor tekhn. nauk, prof., red.
[Practical work in photogrammetry] Praktikum po fotogrammetrii. Moskva, Nedra, 1965. 187 p.
(MIRA 18:6)

L 02001-67 EWT(1) GW

ACC NR: AM6023691 Monograph UR 50 B+1

Bol'shakov, V. D.; Levchuk, G. P., eds.

Manual for geodesist (Spravochnik geodezista) Moscow, Izd-vo "Nedra", 66. 0983 p. illus., biblio., tables. Errata slip inserted. 25,000 copies printed

TOPIC TAGS: geodesy, geodetic survey, geodetic instrument, photogrammetry, stereoscopic photography, data reduction

PURPOSE AND COVERAGE: This manual deals with the theoretical and practical aspects of geodetic work, the instruments, methods for measurements and surveys, and with leveling calculations. The basic geodetic works covered are: triangulation, traverses, level surveys, radio and light rangefinding, data reduction from measurements, and surface methods for topographic surveys (theodolitic, tachometric, and with plane table). The more important problems of aerial photography and photogrammetric survey methods (combined, differentiated, universal, and surface stereophotography) are clarified. Application of geodesy in studies and construction of engineering structures is considered. Basic propositions of spheroidal geodesy, the shape of the geoid and its gravimetry, as well as geodetic astronomy are included. A separate part contains general information on mathematics, physics, and electronics. The manual is intended for engineers and technicians working in geodesy and conducting topographic surveys, and for those conducting studies and preparing layouts of engineering structures. It will be useful for students specializing in geodesy at higher and secondary educational institutions.

Card 1/2 UDC: 528(038)

L 02001-67

ACC NR: AM6023691 O

TABLE OF CONTENTS [abridged]:

SUB CODE: 08/ SUBM DATE: 21Dec65/ ORIG REF: 099

Card 2/2

LIMANSKIY, M.Ye., kand.med.nauk; BILYY, M.V.; LEVCHUK, I.A. (Kiyev)

Public health system in Snyatyn District. Vrach. delo no.1:1335-1337 D '58. (MIRA 12:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut tuberkuleza imeni akademika F.G. Yanovskogo i Snyatynskaya rayonnaya bol'nitsa Stanislavskoy oblasti.
(SNYATYN DISTRICT--PUBLIC HEALTH)

LEVCHUK, I.; LEKHTSIYER, I.

Extending credit to plants of heavy industry to finance mechanization. Den. i kred. 14 no.11:26-31 N '56. (MLRA 9:12)

(Credit) (Machinery in industry)

KAZANTSEV, A.; LEVCHUK, I.

Issuing credit for capital investments. Vop.ekon. no.11:59-69 N '58. (MIRA 11:11)
(Capital investments) (Banks and banking)

ANDREYEV, Aleksey Kus'mich; LEVCHUK, Igor' Vasil'yevich; PAVPEROV, V., red.; TELEGINA, T., tekhn.red.

[Differential credit and payment system; from the work practice of State Bank branches in Ryazan Province] Differentsirovannyi reshim kreditovaniia i raschetov; iz opyta raboty uchrezhdenii Gosbanka Ryazanskoi oblasti. Moskva, Gosfinizdat, 1959. 51 p. (MIRA 13:4)

(Ryazan Province--Banks and banking)

LEVCHUK, I.

Organization of banking accounting. Den.i kred. 17 no.9: 20-25 S '59. (MIRA 12:12)
(Banks and banking--Accounting)

LEVCHUK, I.

An interuniversity academic conference on problems of supplying credit to the national economy, credit planning and control through the ruble. Den.i kred. 18 no.7: 71-75 Jl '60. (MIRA 13:7)
(Credit--Congresses)

LEVCHUK, K.V., red.; GURKIN, V.G., tekhn.red.

[Foreign trade of the U.S.S.R. during 1956; a statistical survey] Vneshniaia torgovlia Soiuza SSR za 1956 god; statisticheskii obzor. Moskva, Vneshtorgizdat, 1958. 153 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Ministerstvo vneshney torgovli. Planovo-ekonomicheskoye upravleniye.
(Russia--Commerce)

VORONKOV, F.N.; LEVCHUK, K.V., red.; MUKHANOVA, V.V., tekhn. red.

[Development of the national economy of the Rumanian People's Republic; statistical tables] Razvitie narodnogo khoziaistva Rumynskoi Narodnoi Respubliki; statisticheskie pokazateli. Moskva, Vneshtorgizdat, 1958. 154 p. (MIRA 11:9)
(Rumania--Statistics)

ALEKSEYEV, A.F.; BORISENKO, A.P.; GLIKSON, V.I.; GROMOVA, N.F.; KRASOVSKAYA, A.I.; NOVIKOVA, N.N.; OVCHAROVA, A.I.; KHVOYNIK, P.I.; CHURAKOV, V.P.; SHASTITKO, V.M.; GEORGIYEV, Ye.S., red.; SHIL'DKRUT, V.A., red.; LEVCHUK, K.V., red.; LEKANOVA, I.S., tekhn.red.

[Prices on the world capitalistic market; a handbook] Tseny mirovogo kapitalisticheskogo rynka; spravochnik. Moskva, Vneshtorgizdat, 1958. 391 p. (MIRA 12:7)

1. Moscow. Nauchno-issledovatel'skiy kon"yunkturnyy institut. (Prices)

SENCHUROV, K.T., dots., DANITSKIY, I.N., BULIN, P.P., LEBEDEV, I.M., dots.
SERGEYEV, M.Ye., prof., VOZNYESENSKIY, N.N., dots., SEBKO, [illegible].T.,
STEFANOVICH, I.P., kand.tekhn.nauk., TSEREVITINOV, B.F., red.;
LEVITAN, I.M., red.izd-va., LEVCHUK, K.V., red.izd-va., BRODCHENKO,
A.M., red.izd-va., LEKANOVA, I.S., tekhn.red.

[Industrial and food products, a commodity guide] Tovarovedenie promyshlennykh i prodovol'stvennykh tovarov. Moskva, Vneshtorgizdat Vol.2. 1958. 574 p. (MIRA 11:9)
(Commercial products)

LEVCHUK, L.V.

Experiments in enameling of metal articles. Khim. v shkole 18 no.5:66-68 S-O '63. (MIRA 17:1)

VASIL'YEV, V.I.; KIRSANOV, V.P.; LEVCHUK, M.S.; MARSHAK, I.S.

Cathode sputtering in tubular discharge pulse tubes. Sbor. mat. po vak. tekh. no. 24:43-59 '60. (MIRA 14:2)
(Electron tubes) (Sputtering (Physics))

VASIL'YEV, V.I.; LEVCHUK, M.S.; MARSHAK, I.S.

Duration of the flash of tubular pulse lamps. Opt.i spektr. 11 no.1:118-122 Jl '61. (MIRA 14:10)
(Electric lamps) (Oscillography)

TERENT'YEV, V.; LEVCHUK, N.

New equipment for the food industry. NTO 2 no.4:19 Ap '60. (MIRA 13:6)

1. Zamestitel' predsedatelya Ul'yanovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti (for Terent'yev). 2. Uchenyy sekretar' Ul'yanovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti (for Levchuk).
(Ul'yanovsk--Food industry--Technological innovations)

MCHEDLOV-PETROSYAN, O. P. ; [illegible]

"The Thermodynamic Investigation of Cement Vibro-Activation."

report presented at the Section on Colloid Chemistry, VIII Mendeleyev Conference of General and Applied Chemistry, Moscow, 16-23 March 1959.
(Koll. Zhur. v. 21, No. 4, pp. 509-511)

MCHEDLOV-PETROSYAN, O.P.; LEVCHUK, N.A.; BUNAKOV, A.G.; LATYSHEV, F.A.; STRELKOVA, I.S.

Thermographical investigations of the effect of vibrating on cement mixes. Silikaty no.2:67-69 '59. (MIRA 13:6)
(Cement) (Vibration)

L 13486-66 EWT(m)

ACC NR: AT6001113 SOURCE CODE: UR/3166/65/000/001/0133/0147

AUTHORS: Levchuk, N. A.; Bunakov, A. G.; Mchedlov-Petrosyan, O. P.

ORG: Kharkhov Institute of Railroad Transport Engineers im. S. M. Kirov (Kharkovskiy institut inzhenerov zheleznodorozhnogo transporta)

TITLE: A study of cement hydration with the aim of determining technological properties

SOURCE: ASiA UkrSSR. Institut stroitel'nykh materialov i izdeliy. Stroitel'nyye materialy, detali i izdeliya, no. 1, 1965. Betony (Concretes), 133-147

TOPIC TAGS: bonding material, cement, ~~concrete~~, construction material, hydration, heat loss, thermistor, thermal analysis, plastic strength

ABSTRACT: The technological properties of cements were investigated. Experimental plastometric studies described by K. K. Kalmykova and N. V. Mikhaylov (Issledovaniye protsessov strukturoobrazovaniya v tsementnom teste i kharakteristika tsementov vzamen otsenki ikh po srokam skhvatyvaniya. Beton i zhelezobeton, 1957, No. 4) were used, and the experiments were performed on the Moscow State University plastometer. Several features and methods of the experimental process are described and defended. Certain laboratory procedures for determining the kinetics of cement hydration were rejected as impractical. Heat loss measurements were made with TKS-M thermistors, which may be used for measurements in the range -60C to 130C for a period of 500 hours. Test

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ACC NR: AT6001113

specimens were placed with the thermistors in a vessel having two walls, with the inter-wall space filled with water at constant temperature (18 ±0.5°). Twelve cement types were subjected to differential-thermal analysis before hydration. Cement specimens 2 x 2 x 2 cm were prepared by various modes of mixing (hot water addition, preliminary grinding, electroactivization, etc.), cured and subjected to tests of plastic strength in compression (see Fig. 1).

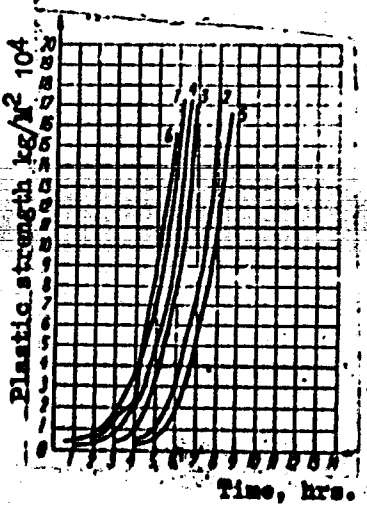

Fig. 1. Curves of plastic strength increase for cements: 1 - Novoamvrosiyevskiy; 2 - brotsenskiy; 3 - novotroitskiy; 4 - podol'skiy; 5 - sebryakovskiy; 6 - amvrosiyevskiy 3.

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ACC NR: AT6001113

Heat release curves (temperature gradients) are plotted for a 24-hour cure of several cements. The authors conclude that the selection of binder agents for construction work may lead to the use of less expensive binders, with little or no loss in the structural strength of the final member. A policy of preliminary study to find the most economical binder for a particular type of construction, particularly on large works, is recommended.

SUB CODE:13,20/ SUBM DATE: none/ ORIG REF: 017/ OTH REF: 003

Card 3/3

NADEZHIN, F.V.; LEVCHUK, N.D.; YUR'YEV B.N. redaktor.

[Problems in experimental aerodynamics] Zadachnik po eksperimental'-
noi aerodinamike; pod red. IUr'eva B.N. [2. izd.] Moskva, Glav.
red. aviatsionnoy lit-ry, 1945. 165 p. (MLRA 8:6)
(Aerodynamics)

41593

S/247/62/012/005/003/004
D296/D307

27.1140
27.2300

AUTHOR: Levchuk, O.V.

TITLE: The analytic-synthetic function of the cerebral cortex in birds at high air temperatures

PERIODICAL: Zhurnal vysshey nervnoy deyatel'nosti imeni I.P. Pavlova, v. 12, no. 5, 1962, 957 - 961

TEXT: Conditioned alimentary motor chain reflexes were elaborated at room temperature in 5 pigeons by the method of Voronin et al. (This journal, v. 9, no. 5, 1959, 788). Exposure to overheated air (45 - 50°C) shifted the balance of the nervous processes towards the side of the inhibitory process: latency periods increased, spontaneous ('inter-signal') responses became less frequent and some responses - even to unconditioned stimuli - were suppressed altogether. The first link of the chain, i.e. the conditioned stimulus most remote of all from the final reinforcement by food, which is most difficult to elaborate, was most easy suppressed. The conditioned reflex changes were accompanied by vegetative symptons: raised body temperature, increased respiration rate and loss of appetite. There

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The analytic-synthetic function ... S/247/62/012/005/003/004
D296/D307

are 1 figure and 2 tables.

ASSOCIATION: Kafedra normalnoy fiziologii Vinnitskogo meditsinskogo instituta im. N.I. Pirogova (Department of Normal Physiology, Vinnitsa Institute of Medicine imeni N.I. Pirogov)

SUBMITTED: March 30, 1962

Card 2/2

LEVCHUK, R.

Chemists with wide specialization are required. Prof.-tekh. obr. 21 no.5:28-29 My '64. (MIRA 17:6)

1. Zamestitel' direktora Lisichanskogo khimicheskogo kombinata.

LEVCHUK-KUROKHTINA, T.P.

The incorporation of labeled amino acids into the proteins of the developing hen eggs. [illegible] M. Levvant and T. P. Levchuk-Kurokhtina (Inst. [illegible] Med. Chem. Acad. Med. Sci. U.S.S.R. [illegible] khimiya 19 6,0 15-16-4 The [illegible] amino acids into the proteins of the white [illegible] hen egg takes place only at the time [illegible] are being newly formed. During the [illegible] of the [illegible] egg and [illegible] renewal of the proteins of the white and yolk of the egg takes place. No dynamic metabolic exchange exists between the amino acids of the proteins of the egg white, of the embryo disk, and of the egg yolk. It did not appear probable that the development of cellular elements took place at the direct expense of the proteins of either the white or the yolk of the egg. B. S. Levine

Levchuk, T.P.

USSR/General Biology - Individual Development. B-3

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25885

Author : Orekhovich, V.N., Levchuk, T.P., Levyant, M.I.
Inst :
Title : The Incorporation of Amino Acids in the Albumen if an Unfertilized Hen's Egg.

Orig Pub : Biokhimiya, 1955, 20, No 6, 714-717

Abst : Tracer amino acids (thyrozine-C^{14}, methionine-S^{35}, and lysine C^{14}) were introduced into the white and yoke of an unfertilized egg of a hen of the Leghorn breed, 10 to 12 hours after it was layed. The incorporation of these amino acids in the undeveloping embryonic disk takes place quite slowly (4 - 25 imp/min per 10 mg of albumen after 10 to 20 hours). The albumen of the capsule and of the yoek fail to take up amino acids altogether. These data suggest the absence of synthesis and "renewal" processes in the capsule and yoke portions

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USSR/General Biology - Individual Development. B-3

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25885

of the unfertilized egg (as had been shown previously in the case of the fertilized egg).

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LEVCHUK, Taisiya Petrovna; LEVYANT, Mira Izrailevna; OREKHOVICH, Vasiliy Nikolaevyvich; STAROSTENKOVA, M.M., redaktor; GUBIN, M.I., tekhnicheskiy redaktor

[Radioactive isotopes and their application to biochemistry and medicine] Radioaktivnye izotopy i ikh primenenie v biokhimii i meditsine. Moskva, Izd-vo "Znanie," 1956. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.3, no.50) (MLRA 10:1)
(RADIOISOTOPES)

G

COUNTRY :
CATEGORY : Zooparasitology. Parasitic Worms. General Problems

ABS. JOUR. : RZhBiol., No. 4 1959, No. 15014

AUTHOR : Maksimov, Ye.I.; Lovchuk, T.M.; Fadeyev, M.M.
INST. : Bashkir Agricultural Institute
TITLE : Comparative Evaluation of the Methods of Trichinoscopy of Thawed Meat and the Degree of Infection of Badger Muscles with Trichinella

ORIG. PUB. : Tr. Bashkirsk. s.-kh. in-ta, 1957, 8, No 2, 357-362

ABSTRACT : The trichinoscopy of thawed meat with preliminary treatment of sections with a mixture of stains composed of two parts of 3% solution of bluing and one part of 1% solution of rivanol in 30% of acetic acid (one drop per section) produced the best result. The highest amount of trichinellae in 24 sections of the muscles of the badger, weighing 0.3 g, was found in the sections from

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ORLEKHOVICH, V.N., LEVYANT, M.I., LEVCHUK, T.P.

Studies of the processes of protein renewal. Vest. AMN SSSR 13 no.5:3-8 '58 (MIRA 11:6)
(PROTEINS,
protein regen. processes (Rus))

LEVYANT, M.I.; LEVCHUK, T.P.; OREKHOVICH, V.N.

Mechanism of the incorporation of labeled amino acids into proteins. Biokhimiia 24 no.2:177-180 Mr-Ap '59. (MIRA 12:7)

1. Institute of Biological and Medical Chemistry, Academy of Medical Sciences of the U.S.S.R., Moscow.
(METHIONINE, metabolism,
serum albumin incorporation, radiotracer studies (Rus))
(SERUM ALBUMIN,
methionine incorporation, radiotracer studies (Rus))

LEVCHUK, T.P.; ORekhovich, V.N.

Preparation and some characteristics of chick pepsin. Biokhimiia 28 no.6:1004-1010 N-D'63 (MIRA 17:1)

1. Laboratory of Protein Structure, Institute of Chemistry of Natural Compounds, Academy of Sciences of the U.S.S.R., Moscow.

LEVCHUK, T.P.; LEVYANT, M.I.; OREKHOVICH, V.N.

Specific action of chicken pepsin and new "acid" pig kidney cathepsin on protein substrates. Biokhimiia 30 no.5:[illegible] S-O '65. (MIRA 18:10)

1. Institut khimii prirodnykh soyedineniy AN SSSR i Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

LEVCHUK, V.

Increase profitableness and economize on material expenditures in production. Fin.SSSR 17 no.11:8-15 N '56. (MLRA 9:12)
(Russia--Industries)

LEVCHUK, V.

Hidden potentialities for reducing the costs of agricultural products. Fin.SSSR 23 no.5:17-23 My '62. (MIRA 15:5)
(Farm produce—Costs)

LEVCHUK, V.N., inzh.; YEVTUSHENKO, V.V., inzh.; POLYANSKIY, V.I., inzh.

Crosscutting of shaft bottoms in Vorkuta mines. Shakht. stroi. 8 no.8:22-23 Ag '64. (MIRA 17:9)

1. Pechorskiy nauchno-issledovatel'skiy ugol'nyy institut (for Levchuk, Yevtushenko). 2. Shakhtostroitel'noye upravleniye No.1 kombinata Pechorshakhtostroy (for Polyanskiy).

RYBAKOV, Yu.Yu., inzh.; LEVCHUK, V.N., inzh.; GULYAYEV, A.N., inzh.

Mechanizing the placing of reinforced concrete tubing in horizontal workings. Shakht. stroi. 9 no.9:22-24 S '65. (MIRA 18:9)

1. Pechorskiy nauchno-issledovatel'skiy ugol'nyy institut.

LEVCHUK, V.S.

Thrombectomy in the treatment of brachial artery thrombosis following intra-arterial blood infusion. Akush.i gin. 37 no.2:108-109 F '61. (MIRA 14:3)

1. Iz kafedry akusherstva i ginekologii (zav. - doktor med.nauk L.Z. Reshetova) Kemorovskogo meditsinskogo instituta (dir. - zasluzhennyy vrach RSFSR S.V. Belyavev) i rodil'nogo doma No.1 (glavnyy vrach N.A. Nikitenko).

(THROMBOSIS) (BLOOD—TRANSFUSION) (BRACHIAL ARTERY)

L 8948-66 EWT(m)/EWP(j) RM

ACC NR: AP5026530 SOURCE CODE: UR/0286/65/000/019/0070/0070

AUTHORS: Golovanenko, B. I.; Levchuk, Ye. S.; Liakumovich, A. G.; Simanov, V. A.; Tevelenok, L. Ya.; Khamanov, T. M.

ORG: none

TITLE: Method for obtaining synthetic rubber. Class 39, No. 175228 [announced by Scientific Research Institute for Petrochemical Products (Nauchno-issledovatel'skiy institut neftekhimicheskikh proizvodstv)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 70

TOPIC TAGS: rubber, synthetic rubber, butadiene, methylstyrene, dualin peroxide, copolymer

ABSTRACT: This Author Certificate presents a method for obtaining synthetic rubber by copolymerization of butadiene with α-methylstyrene in an aqueous emulsion at low temperatures in the presence of known emulsifiers, buffers, regulators, stabilizers, and peroxide initiators. To increase the variety of peroxide initiators, decalin peroxide is used as initiator. The decalin peroxide is used in the form of oxidation products of decalinoxydecalin containing 33% decalin peroxide.

SUB CODE: 07/ SUBM DATE: 31Aug64

Card 1/1 pw UDC: 678.762.2-134.622

15(2)

AUTHORS: Voronin, N. I., Gorodetskiy, V. S., Levchuk, V. V. SOV/131-59-6-8/15

TITLE: On the Heat Resistance of the Corundum Mass at High Temperatures (O termostoykosti korundovykh mass pri vysokoy temperature)

PERIODICAL: Ogneupory, 1959, Nr 6, pp 272-276 (USSR)

ABSTRACT: Up to now comparatively few papers dealt with the problem of a possible increase of the heat resistance of corundum products. In this connection the names of V. L. Balkevich, V. A. Bron, W. Smothers, H. Reynolds, D. N. Poluboyarinov, and I. N. Silina are mentioned. The authors of this paper made it their task to find the influence of various factors on the heat resistance of corundum tests at a temperature range of from room temperature to 2,000°. They examined the influence of additions of titanium dioxide, magnesium fluoride, as well as the insertion of electro-melted corundum in masses of technical alumina on the heat resistance of corundum shard within the above mentioned temperature range (footnote 1).

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On the Heat Resistance of the Corundum Mass at High Temperatures SOV/131-59-6-8/15

Figures 1 - 4 show the grinding of microstructures of tests with technical alumina and with various additives. Table 2 gives the characteristics of tests with technical alumina and an addition of electro-melted corundum. The composition of the masses, as well as the properties of the tests with the addition of stabilized zirconium dioxide can be seen in table 3. Conclusion: For obtaining heat-resisting corundum products - they need not be of great density - for temperatures of up to 2000°, masses are recommended which consist of a mixture of 30% of technical alumina and of 70% of white, electro-melted corundum. An addition of ZrO_2 has a positive effect on the sintering and on the heat resistance of the masses mentioned above. There are 4 figures, 3 tables, and 6 references, 3 of which are Soviet.

ASSOCIATION: Vsesoyuznyy institut ogneuporov (All-Union Institute of Refractories)

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15(2)
S/131/60/000/03/007/013
B015/B005

AUTHORS: Voronin, N. I., Gorodetskiy, V. S., Lovchuk, V. V.

TITLE: Refractory Block Holders of Dipping Thermocouples for Liquid-steel Temperature Measurements

PERIODICAL: Ogneupory, 1960, No. 3, pp 127-130 (USSR)

ABSTRACT: In this paper, the authors describe the process of manufacturing block holders for endpieces of thermocouples for liquid-steel temperature measurements. Ye. I. Khavkina took part in the testing of masses of various compositions. Table 1 lists the investigation results concerning the burnt masses with respect to their resistivity to the action of steels. A figure shows the shape and dimensions of the holders. The experimental results of holders are given in tables 2 and 3. Finally, the authors state that a process of manufacturing holders was worked out, the peculiarity of which consists in the hydrostatic pressing method. Products destined for prolonged dipping into liquid steel and basic slag are provided with a magnesite-containing protective coating. It is necessary to

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Refractory Block Holders of Dipping Thermocouples for Liquid-steel Temperature Measurements

S/131/60/000/03/007/015
B011/B005

improve the shape of the holder and the construction of its fastening in order to secure device working reliably under industrial conditions. There are 1 figure and [illegible] table.

ASSOCIATION: Vsesoyuznyy institut ogneuporov (All-Union Institute of Refractories)

Card 2/2

VORONIN, N.I., doktor tekhn. nauk; GORODETSKIY, V.S., kand. tekhn. nauk; LEVCHUK, V.V., inzh.

Evaluating the suitability of zircon raw materials from certain deposits in the Soviet Union for the production of refractories. Trudy Inst. ogneup. no.34:64-80 '63. (MIRA 17:10)

KRASOTKINA, N.I.; VORONIN, N.I.; LEVCHUK, V.V.

Products made of siliconized graphite for the protection of immersion thermocouples during the measuring of temperature of liquid steel. Ogneupory 29 no. 5:232-237 '64.
(MIRA 17:7)

1. Vsesoyuznyy institut ogneuporov.

S/0131/64/000/005/0232/0237

ACCESSION NR: AP4038904

AUTHORS: Krasotkina, N. I.; Voronin, N. I.; Levchuk, V. V.

TITLE: Siliconized graphite products for the protection of immersion thermocouples in measuring the temperature of liquid steel

SOURCE: Ogneupory*, no. 5, 1964, 232-237

TOPIC TAGS: refractory material, silicon carbide, thermocouple

ABSTRACT: The initial step in the production of protective thermocouple points consisted of processing hollow graphite cylinders 120 mm long with a 15-mm outside diameter and 6-mm inside diameter. Graphite rods 400 mm long and 50 mm in diameter were also turned. The cylinders and rods were fired in silicon vapors at 1600C. This caused the graphite pores to be filled with silicon carbide, the formation of which was facilitated by a 5% admixture of ammonium chloride. The siliconized points and rods were tested in 20-ton carbon-arc furnaces of the "Electrostal'" plant by being immersed in the molten steel at 1600-1700C and then being cooled in the air. During the immersion, the lower part of the block was in the metal, the middle portion--in the slag, and the upper part--above it. The siliconized points withstood 6-8 immersions of 20 to 30 seconds each, with a loss of 0.01-0.06 mm/sec. To prevent the separation of free silicon out from the pores, the points were fired

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in vacuum at 1800C. Such points were tested in the oxidizing and the reducing stages of smelting. The temperature readings obtained with these were checked against those given by a thermocouple with quartz points. It was found that more time was needed to record the temperature during the reducing than during the oxidizing stage. Preheating the thermocouple to 1200-1300C prior to immersion corrected this defect and permitted a longer service period for the points. V. M. Vinogradov, Yu. Ye. Yefroymovich, V. I. Konyashin, I. A. Nazarkin, B. A. Oleznyuk, S. F. Polunin, and O. G. Filin participated in the work. Orig. art. has: 5 charts and 6 tables.

ASSOCIATION: Vsesoyuzny*y institut ogneuporov (All-Union Institute of Refractory Materials)

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Card 2/2

LEVCHUK, YE. F. (Kazan State University)

"Mine Surveying Gyrocompass"

paper presented at the Second Scientific and Technical Intervuz Conference on Problems of Contemporary Gyroscopy, Ye. F. Otvagin, Secretary of the Organization Committee; Leningrad, Izvestiya, Uchebnykh Zavedenity, Priborostroyeniye, No. 5, Sep/Oct 1958, pp 161-163

The Second Intervuz Conference on Problems of Contemporary Gyroscopy Technique, convoked by decision of the Ministry of Education USSR, took place in the Leningrad Institute of Precision Mechanics and Optics from24 to 27 November 1958.

LEVCHUK, Ye.P.; KHAYET, V.S.

Device for converting a binary-decimal code to control signals of segmental-type digital indicators. Avtom. i prib. no.1: 29-30 Ja-Mr '65. (MIRA 18:8)

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ACCESSION NR: AT5014955 UR/0000/65/000/000/0014/0023

AUTHOR: Kirichinskiy, B. R.; Levchuk, Yu. N.; Pasechnik, V. M.; Tatsiy, Yu. A.

TITLE: Irradiation of animals with fast neutrons and measurements of tissue doses in a nuclear reactor

SOURCE: AN UkrSSR. Institut fiziologii. Biologicheskoye deystviye neytronnogo izlucheniya (Biological effect of neutron radiation). Kiev, Naukova dumka, 1965, 14-23

TOPIC TAGS: fast neutron, neutron radiation, tissue dose, radiation dosimetry, biological effect, VVR M reactor

ABSTRACT: Irradiating biological objects with fast neutrons requires the following: 1) a filter for absorbing thermal neutrons and lowering the gamma radiation background to a level that does not exceed 20% of the general dose; 2) a trap for absorbing unused radiation when the reactor channel is open; and 3) a device for fixing the biological preparation in any position in the irradiation chamber. Such an arrangement is shown in Fig. 1 of the Enclosure. A system for shifting biological preparations in the reactor is shown in Fig. 2 of the Enclosure. It is observed that there is no direct relationship between the reactor power and tissue dose. This phenomenon is represented in Figs. 3 and 4 of the Enclosure. When an-

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