

A method for the determination of the melting points (of organic substances). N. A. Izmailov and Z. P. Tkachenko. *Farm. Zhur.* 1938, No. 3, 20-33; *Khim*

*Referat. Zhur.* 2, No. 4, 85-6(1939). A simple app. has been developed for the detn. of the m. pt. of org. substances between 50° and 300°. It consists of a nichrom

plate (50 x 2 x 0.08 mm.) with a crescent into which the substance under investigation is placed. A welded Cu-constantan thermocouple is attached to the plate by means of a mastic made out of gypsum and liquid glass. The plate is heated with an elec. current through a transformer (100-20 v.). The current strength is regulated by a rheostat. The thermoelec. strength is measured by a galvanometer whose results are revealed, into degrees from a curve obtained from the detn. of the m. pt. of known substances. The Cu-constantan plate is fastened to a porcelain plate and placed under a microscope. To avoid heat losses through radiation the porcelain plate is covered with a cover glass with an opening over the crescent. The app. can also be used for thermal analyses of mixts.

W. R. Henn

ASM 31A METALLOGICAL LITERATURE CLASSIFICATION

CLASSIFICATION	SEARCHED	INDEXED	FILED	DATE	BY
31A.01					
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L 2302h-66 EWT(m)/EWP(j) IJP(c) RM  
ACC NR: AP6007659 (A) SOURCE CODE: UR/0413/66/000/003/0022/0022

AUTHOR: Likhterov, V. R.; Etlis, V. S.; Tkachenko, Yu. I.; Grobov, L. N.

ORG: none

TITLE: Method of preparing vinyl chloride. Class 12, No. 178368 <sup>26</sup><sub>B</sub>

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 22

TOPIC TAGS: vinyl chloride, chlorination, ethylene

ABSTRACT: An Author Certificate has been issued for a method of preparing vinyl chloride by high-temperature chlorination of ethylene. To simplify the procedure, the chlorination is carried out with water vapor. The molar ratio for ethylene, chlorine, and water vapor is 1:1:4--5, respectively. [LD]

SUB CODE: 11, 07/ SUBM DATE: 06May63/

Card 1/1 *ZC* UDC: 547:313.2'322.07 *Z*

TKACHENSKIY, (Soviet)

sets of integral non-negative numbers not containing an arithmetic  
progression of length  $k$ . p. 147. vys. ucheb. zav.; mat. no. 3:159-171  
'69. (MIRA 18:7)

TKACHENKO, Z.A., dotsent; CHERNYAKOVA, K.Z.; KROKHMAL', E.N.

Bromine-caffeine-calcium electrophoresis in the compound treatment of rheumatic fever and other diseases of the internal organs. Vrach. delo no.10:81-84 0 '63.

(MIRA 17:2)

1. Kafedry propedevtiki vnutrennikh bolezney (zav. - dotsent Z.A. Tkachenko), fakul'tetskoy terapii (zav. - dotsent V.V. Oginskiy) Luganskogo meditsinskogo instituta i oblastnaya klinicheskaya bol'nitsa.

TKACHENKO, Z.A., kand.med.nauk

Actographic studies of sleep dynamics in patients with rheumatic heart diseases. Vrach.delo no.7:693-695 JI'58 (MIRA 11:9)

1. Kafedra propedevticheskoy terapii (zav. - prof. I.T. Stukalo)  
L'vovskogo meditsinskogo instituta.

(SLEEP)

(RHEUMATIC HEART DISEASE)

TKACHENKO, Z.I.

Annealing of high-voltage glass insulators in a convective electric furnace. Stek. i ker. 21 no.11:34-35 N '64.

(MIRA 18:4)

TKACHENKO, Z. Ya.

Aftereffects of the separation of nervous plexuses of the appendix from plexuses of the gastrointestinal tract. Fiziol. zhur. [Ukr.] 7 no.5:644-650 S-0 '61. (MIRA 14:9)

1. Laboratory of Higher Nervous Activity of the A.A. Bogomolets Institute of Physiology of the Academy of Sciences of the Ukrainian S.S.R., Kiev.

(APPENDIX (ANATOMY)--INNERVATION)  
(ALIMENTARY CANAL--INNERVATION)

TKACHENKO, Z.Ya.

Division of nerve cells in ganglia of Auerbach's plexus of the appendix in full-grown animals. *Fiziol.zhur.* [Ukr.] 1 no.2: 126-133 Mr-Apr '55. (MLBA 9:9)

1. Kiivs'kiy medichniy institut, Kafedra gistologii ta embriologii i Institut fiziologii imeni akademika O.O.Bogomol'tsya Akademii nauk URSR.

(APPENDIX (ANATOMY)—INNERVATION)  
(CELL DIVISION (BIOLOGY))



TKACHENKO, Z. Ya.

Innervation of nervous structures. Fiziol. zhur. [ukr.] 8 no.5:684-685 S-0 '62. (MIRA 17:11)

1. Laboratoriya biofiziki Instituta fiziologii Im. Bogomol'tsa AN Ukr SSR, Kiyev.

TRACHENKO, Z. P.

I. S. TELEMOV, Zh Khim Prom 1933, No. 10, 53-5

TRACHENKO, E.Ya.

Morphological changes in the reflex arc neurons of the hind legs during prolonged immobilization. Fiziol.zhur. [Ukr] 9 no.2:117-122 Mya. 1963.

(HIRA 12:1)

L. laboratoriya vysshey nervnoy deyatel'nosti cheloveka i zhivotnykh  
Instituta fiziologii im. Bogomol'tsa AN UkrSSR, Kiev.

TKACHENKO, Z.Ya.

Reaction of neural elements of the gastrointestinal tract to a radiation effect caused by general X-irradiation. Fiziol. zhur. [Ukr.] 11 no.1:104-110 Ja-F '65. (MIRA 18:7)

1. Laboratoriya biofiziki Instituta fiziologii im. A.A.Bogomol'tsa AN UkrSSR, Kiyev.

L 05143-67 ENT(1)/FCC GW

ACC NR: AR6017547

SOURCE CODE: UR/0169/66/000/001/D014/D014 7

AUTHOR: Parkhomovskiy, O.A.; Andreyeva, R.I.; Burakovskiy, L.Ye. Goncharova, T.A.;  
Grigor'yeva, A.I.; Ivanets, N.I.; Ivanyuta, M.M.; Kozar, L.T.; Raykher, L.D.;  
Senina, A.S.; Tkachenko, Zh. Ya.; Tkhir, D.G.

TITLE: Determination of the development level of the technique and technology of geological prospecting for oil and gas in the Ukraine

SOURCE: Ref. zh. Geofizika, Abs. 1D97

REF SOURCE: Tr. Ukr. n.-i. geologorazved. in-t, vyp. 10, 1965, 10-17

TOPIC TAGS: prospecting, seismic prospecting, ~~oil prospecting~~, gas prospecting, gravimetry / M-2 MAGNETOMETER, PETROLEUM, magnetometer, UKRAINE

ABSTRACT: Geological-geophysical prospecting for oil and gas, completed on the Ukraine during 1960-1962 was analyzed. At present all the oil-bearing territory of the Ukraine is covered by prospecting survey with the M-2 magnetometer. The cost of study was 46.4 roubles/km<sup>2</sup>. The output and precision of the aeromagnetic survey is much better. The gravimetric survey is basically complete. The cost of the total survey was 92.2 roubles per km<sup>2</sup> in 1960 and 47.2 roubles in 1962. Highly precise gravimeters (.01 - .03 mgal) can elucidate various anomalies. In spite of the relative cheapness of the electro-recon method, and its mobility, it has not been afforded the deserved development in the Ukraine. Volume of seismic work reaches 87% of the total geophysical

Card 1/2

UDC: 550.830(477)

L 06143-67

ACC NR: AR6017547

cal work volume. Cost of 1 km of seismic profile work was 360-850 roubles. In 1962, seismic reconstructing instrumentation for the automatic processing of seismograms and design of boring sections; has been developed. Techno-economical indices of structural mapping boring are very high; those of structural-recon boring are at relatively low levels. On the basis of consideration of the possibilities of each method, a methodology for the recon of oil and gas is proposed. Translation of abstract .

SUB CODE: 08

Card 2/2 m/E

TKACHENKO, Z. Ya.

Innervation of the serous membrane of the appendix. *Fiziol. zhur.* [Ukr.] 9 no.6:821-824 N-D '63. (MIRA 17:8)

1. Institut fiziologii im. Bogomol'tsa AN UkrSSR, Kiyev.

BOOK

Call Nr: TT 205.08

AUTHORS: Otdel'nov, P. V., Nikonov, V. A., Sinitsin, I. T.,  
Tsogol, A. K., Solov'yev, V. M., Kats, D. Ya., Tkachenko,  
Ye. N., Sdvizhkov, M. Ye.

TITLE: Metalworking and Treatment of Metals in Machine Repair  
(Obrabotka metallov pri remonte mashin)

PUB. DATA: Voennoye izdatel'stvo Ministerstva oborony Soyuz  
SSSR, Moscow, 1957, 464 pp.

ORIG. AGENCY: None given

EDITORS: Martynov, A. D., Eng. Col.; Tech. Ed.: Sokolova, G. F.

PURPOSE: This textbook is intended for students of military  
technical schools and can also be used by students  
taking military training courses covering machine  
repair. It was compiled in accordance with the  
program for armored division technical schools.



Metalworking and Treatment of Metals in Machine Repair (cont) Call Nr: TT 205.08

COVERAGE: This textbook is the basis for a practical course in metalworking as required by personnel overhauling and repairing machines. Sketches and diagrams of equipment, reference tables of materials, and methods used in shop measurements, bench work, heat treatment, forging, electroplating, welding and lathe work turning are given in great detail. No personalities are mentioned. There are 17 references, all Soviet.

VOL'GEMUT, A.; TKACHENKO, Yu.

"Chestnut trees are in bloom again"... by D.Bal'termants, N.Kozlovskii.

Reviewed by A.Vol'gemut, IU.Tkachenko. Sov.foto. 21 no.3:36-37

Mr '61.

(MIRA 14:4)

(Kiev--Description and travel)

(Bal'termants, D.)

(Kozlovskii, N.)

18

Obtaining sodium nitrate from sodium chloride and ammonium nitrate. G. I. Gorahtin and Z. P. Tkachenko. *J. Chem. Ind. (U. S. S. R.)* 13, 1045 (1958). By cyclic crystn. from solns. of  $\text{NH}_4\text{NO}_3$  and  $\text{NaCl}$  between  $100^\circ$  and  $10^\circ$ , 28% yields of  $\text{NaNO}_3$  are obtained. If crystn. occurs between  $100^\circ$  and  $0^\circ$ , the yield falls to 8-10%.

H. M. Leicester

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

TKACHENKO, Z.Ya.

A.S. Dogel's second type nerve cells, *Fiziol.zhur.Ukr.*, 6 no.4:  
541-544 J1-AG '60. (MIRA 13:7)

1. Laboratoriya vysshey nervnoy deyatel'nosti Instituta fiziolo-  
logii im. A.A. Bogomol'tsa AN USSR, Kiyev.  
(APPENDIX (ANATOMY)--INNERVATION)

TKACHENKO, Z.Ya.

Local reflex arc in the auerbach's plexus of the vermiform appendix  
of a rabbit. Fiziol. zhur. [Ukr.] 7 no.1:121-124 Ja-F '61.

(MIRA 14:1)

1. Laboratory of Higher Nervous Activity of the A.A.Bogomoletz  
Institute of Physiology of the Academy of Sciences of the Ukrainian  
S.S.R., Kiyev.

(APPENDIX (ANATOMY)--INNERVATION)

(REFLEXES)

TKACHEV, A., doktor tekhn.nauk

Experimental investigation of convective heat transfer in melting  
and solidification processes. Khol. tekhn. 35 no.2:9-13 Mr-Apr '58.  
(MIRA 11:4)

(Fusion) (Solidification) (Heat--Convection)

TKACHEV, A., kandidat tekhnicheskikh nauk.

Approximate theoretical solution for convection heat-exchange problems related to fusion and solidification.  
Zhurnal tekhnicheskikh nauk i prikladnykh tekhnologii (MIRA 9:9)  
(Heat--Convection) (Fusion, Latent heat of) (Solidification)

BADYLKES, I.S. [author]; ROZENFEL'D, L., professor, doktor tekhnicheskikh nauk;  
TKACHEV, A., kandidat tekhnicheskikh nauk, dotsent; KURYLEV, E., kandidat  
tekhnicheskikh nauk, dotsent; SERDAKOV, G., inzhener [reviewers].

"Active substances in refrigerating machines." Khol.tekh. 30 no.2:78-  
79 Ap-Je '53. (MLRA 6:7)  
(Refrigeration and refrigerating machinery) (Badylkes, I.S.)



Tkachev, A.

USSR/Processes and Equipment for Chemical Industries-- K-1  
Processes and apparatus for chemical technology.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10591

Author : Tkachev, A.  
Inst : Not given  
Title : An Approximate Theoretical Solution of the Problem of  
Convective Heat Exchange During Fusion and Solidifica-  
tion

Orig Pub: Kholovil'n. tekhnika, 1956, No 2, 50-54

Abstract: A solution is given of the differential equations governing heat exchange during the free and constrained flow of fluids over flat plates, taking into account solidification and fusion phenomena. It is shown that the phenomena investigated have a marked effect on the value of the heat transfer coefficient. The solutions presented make possible the inclusion of the effects produced by the physical properties of the fluids particularly of the Pr number.

Card 1/1

KHOKHRYAKOV, V.S., dotsent; TKACHEV, A.F., inzh.

Using a computer for the analytical study of strip mining  
operations. Izv.vys.ucheb.zav.:gor.zhur. 7 no. 1:36-44 '64.  
(MIRA 17:5)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.  
Rekomendovana kafedroy otkrytykh gornykh rabot.

KORMIL'TSEV, V.A., dotsent; TKACHEV, A.F., inzh.

Determining the limits for the efficient use of automobile and railroad transportation in working the mountainous part of the main open-pit mine of the Kachkanar Mining and Ore Dressing Combine. Izv. vys. ucheb. zav.; gor. zhur. no.10:143-148 '60.  
(MIRA 13:11)

1. Sverdlovskiy gornyy institut imeni V.V. Vakrusheva. Rekomendovana kafedroy gornykh mashin rudnichnogo transporta Sverdlovskogo gornogo instituta imeni V.V. Vakrusheva.  
(Kachkanar region--Strip mining)  
(Mine haulage)

ROZENFEL'D, Lev Markovich, prof., doktor tekhn.nauk; TKACHEV, Anatoliy  
Georgiyevich, prof., doktor tekhn.nauk; GUREVICH, Yevgeniy  
Semenovich, inzh.; ONOSOVSKIY, V.V., inzh.; SERDAKOV, G.S., inzh.;  
TSYRLIN, B.L., inzh.; KALNIN', I.M., inzh.; ROMANOVSKIY, N.V., inzh.;  
YATSUNOV, I.F., inzh.; DANILOVA, G.N., dotsent; MIKHAL'SKAYA, R.N.,  
inzh.; KARNAUKH, M.S., inzh.; SPUKALENKO, A.K., inzh.; IL'IN, A.Ya.,  
inzh.; TSIPERSON, A.L., red.; BABICHEVA, V.V., tekhn.red.

[Examples and designs of refrigerating machines and apparatus]  
Primery i raschety kholodil'nykh mashin i apparatov. Moskva, Gos.  
izd-vo torg.lit-ry, 1960. 237 p. [\_\_\_Thermodynamic diagrams of  
the refrigerants used] \_\_\_Termodinamicheskie diagrammy rabochikh  
tel kholodil'nykh mashin. (MIRA 13:9)  
(Refrigeration and refrigerating machinery)

TKACHEV, A.A.

Theoretical and experimental investigation of an a.c. magnetic circuit  
with electromagnetic screening. Trudy MEI no.29:185-206 '57.

(MIRA 13:3)

(Shielding (Electricity))

TKACHEV, A. A., Cand of Tech Sci — (diss) "Theoretical and Experimental Investigation  
of Magnetic Chains of an Alternating Current With Electromagnetic Screens,"  
Moscow, 1959, 15 pp (Moscow Power Engineering Institute) (KL, 4-60, 121)

USSR/Human and Animal Morphology (Normal and Pathological) Ly. ph S-4  
System

Abstr Jour : Ref Zhur - Biol., No 12, 1958, No 55127

Author : Tkachev A.D.

Inst : Dagestan Institute of Medicine

Title : Efferent Lymph Vessels of the Anterior Abdominal Wall

Orig Pub : Sb. nauch. tr. Dagest. ned. in-t, 1956, 6, 384-385

Abstract : The topography of the efferent lymphatic vessels (LV) of the skin, of the linea alba, and of the muscles of the anterior abdominal wall. The efferent LV of the skin originate on the surface and in the deep-seated lymphatic skin networks. Subsequently, on their way to the regional lymphatic ganglion: they merge with the efferent LV anterior abdominal wall muscles. In the form of larger trunks they then make from there their way either in the direction of the armpits or of the groin. Headed in the direction of the armpits, LV are part of the trunkus subclavius. The LV headed for the groin travel first to the iliac nodules, and from there to the

Card : 1/2

USSR/Human and Animal Morphology (Normal and Pathological) Lymph System S-4

7 Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55127

cyterns chyli. All these vessels display comparatively a small number of lymphatic knots along their pathways, and frequently change their diameter.

Card : 2/2

37



USSR/Human and Animal Morphology (Normal and Pathological) Lymph System 5-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55138

Author : Tkachev A.D.

Inst : Dagestan Institute of Medicine

Title : The Configurations of the Efferent Lymph Vessel Ties of the Pharyngeal Tonsil Ring with Main Lymphatic Collectors and the Venous System

Orig Pub : Sb. nauchn. tr. Dagest. med. in-t, 1956, 6, 387-388

Abstract : The discharge of the lymph gland of the pharyngeal tonsil ring was studied on 52 child corpses. It was established that all efferent lymphatic tonsil vessels fuse into 3 collectors: the posterior jugular vein, the anterior jugular vein, and the accessory nerve duct collector. The number of lymphatic nodes which has been found in the efferent lymphatic tonsil ducts, varies on the right and on the left sides (9-82 nodes). It was shown that the right jugular veins lymphatic stem discharges more often into the internal jugular vein and less

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USSR/Human and Animal Morphology (Normal and Pathological) Lymph System S-4

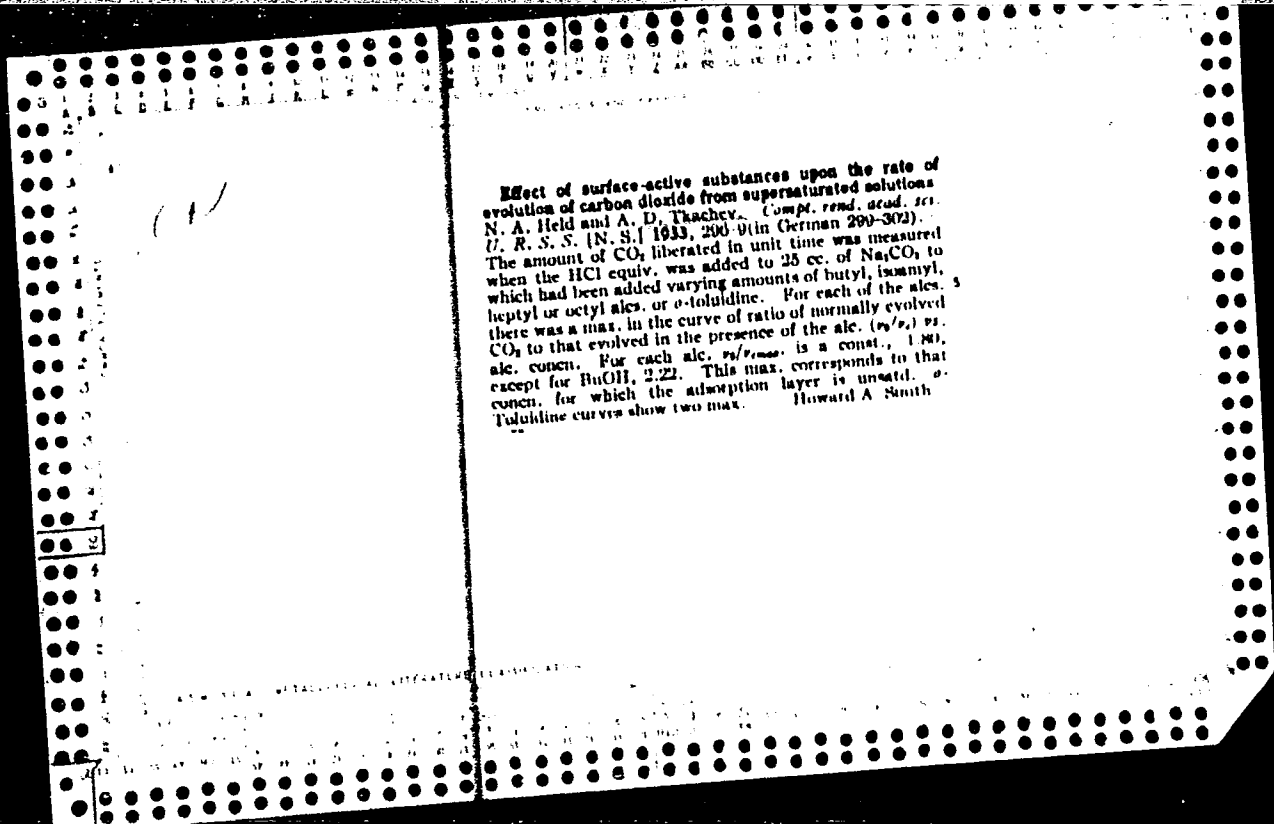
Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55138

often into the venous corner, while the left jugular veins lymphatic stem discharges more often into the thoracic duct, and less often into the internal jugular vein, into the sub-clavical vein or into the venous corner.

Card : 2/2

TKACHEV, A.D., dotsent; BRODSKIY, N.L. (Makhachkala)

"Laboratory manual for normal anatomy in medical schools" by N.N.  
Lavrov. Reviewed by A.D. Tkachev, N.L. Brodskiy. *Vel'd. i akush.*  
22 no.1:63 Ja '57 (MIRA 10:4)  
(ANATOMY, HUMAN--STUDY AND TEACHING) (LAVROV, N.N.)



TKACHEV, A.F., inzh.; TSERENSHCHIKOV, P.T., inzh.

Effect of the width of the working platform on the cost of mining the rock mass. Izv.vys.ucheb.zav.;gor.zhur. 7 no.9:29-34 '64.

(MIRA 1841)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana kafedroy otkrytykh gornykh rabot.

RUSSKIY, I.I., dotsent; KHOKHRYAKOV, V.S., dotsent; TKACHEV, A.F., inzh.

Choosing a practical bench height in the mountainous part of the principal strip mine of the Kachkanar Mining and Ore-Dressing Combine. Izv.vys.wcheb. zav.; gor.zhur.no.2:21-30 '61. (MIRA 14:3)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy otkrytykh rabot Sverdlovskogo gornogo instituta. (Kachkanar Mountain—Strip mining)

TKACHEV, A.F.; PETROV, Yu.P., master

Mastering the operation of a new multistage bleaching plant. Bum.  
prom. 37 no.3:21-23 Mr '62. (MIRA 15:3)

1. Zamestitel' nachal'nika otbel'nogo tsekha Sovetskogo  
tsellyulozno-bumazhnogo kombinata (for Tkachev). 2. Sovetskiy  
tsellyulozno-bumazhnyy kombinat (for Petrov).  
(Woodpulp)

KHOKHRYAKOV, V.S., dots., kand.tokhn.nauk; TKACHEV, A.F., gorn.inzh.

Self-propelled haulage in open-pit mines should be under  
the control of the mine. Gor.zhur. no.8:51-55  
Ag '60. (MIRA 13:8)

1. Sverdlovskiy gornyy institut.  
(Strip mining) (Mine haulage)



RUSSKIY, I.I.; KHOKHRYAKOV, V.S.; TKACHEV, A.F.

Basic problems in transporting overburden rocks and spoil disposal  
under the conditions present at the Kochkanar Mining and Ore Dressing  
Combine. Trudy Inst.gor.dela UFAN SSSR no.4:125-132 '62.

(MIRA 16:5)

(Kochkanar region--Mining haulage)  
(Rocks--Transportation)

SOV/124-57-9-10495

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 9, p 87 (USSR)

AUTHOR: Tkachev, A. G.

TITLE: Heat Exchange During the Melting of Ice in Freely-moving Water  
(Teploobmen pri plavlenii l'da v svobodno dvizhushcheysya vode)

PERIODICAL: Tr. Leningr. in-ta kholodil'noy i moloch. prom-sti, 1953, Vol 4,  
pp 48-57

ABSTRACT: The paper submits a description and the results of an experimental investigation on the heat exchange during the melting of ice in freely-moving water. Nusselt's criterion was determined in relation to the Grashof and Prandtl criteria from the time rate of the decrease of the radii of ice cylinders or spheres; it was assumed that during this process the entire latent heat of fusion of the ice is liberated. The effect of the anomaly in the coefficient of thermal expansion of water upon the heat-transfer coefficient was investigated. The time dependence of the model diameter was also investigated.

G. S. Glushko

Card 1/1

**TKACHEV, ANATOLIY GEORGIYEVICH**

ROZENFEL'D, Lev Markovich, doktor tekhnicheskikh nauk, professor; **TKACHEV,**

Anatoliy Georgiyevich, kandidat tekhnicheskikh nauk, dotsent;

**MARTYNOVSKIY, B.S.**, professor, doktor tekhnicheskikh nauk, retsen-

zent; **BADYL'KES, I.S.**, professor, doktor tekhnicheskikh nauk, retsen-

zent; **KOBULASHVILI, Sh.N.**, inzhener, retsenzent; **NIKOLAYEVA, N.G.**,  
redaktor; **SUDAK, D.M.**, tekhnicheskii redaktor.

[Refrigerating machinery and apparatuses] Kholodil'nye mashiny i appa-  
raty. Moskva, Gos.izd-vo torgovoi lit-ry, 1955. 584 p. Supplement -

[Thermodynamic diagrams of refrigerator operating mechanisms] Termodi-  
namicheskie diagrammy rabochikh tel kholodil'nykh mashin. 1955. 17  
diags. (MLRA 8:4)

(Refrigeration and refrigerating machinery)

TKACHEN, A. G.

TKACHEN, A. G. -- "Convection and Exchanges in the Processes of Heating and Hardening of a Homogeneous Medium." Min Higher Education USSR. Leningrad Technological Inst of the Refrigeration Industry. Leningrad, 1956  
(Dissertation for the Degree of Doctor in Technical Sciences).

SO: Knizhnaya Letopis', No 2, 1956

TKACHIV A. G., kandidat tekhnicheskikh nauk, dotsent.

Selection of temperature drops in heat-exchanging apparatus of cooling installations. Trudy LTIKHP 11:34-44 '56. (MLRA 10:6)

1. Kafedra teoreticheskikh osnov teplo- i khladotekhniki.  
(Heat exchangers) (Refrigeration and refrigerating machinery)

*/TKACHEV, H. G.*

AUTHORS: Rozenfel'ds, L.M. and Tkachevs, A.G. 66-2-20/22

TITLE: "Refrigeration Machinery and Apparatus" (Kholodil'nye Mashiny i Apparaty), Gostorgizdat, 1955.

PERIODICAL: "Kholodil'naya Tekhnika" (Refrigeration Engineering) 1957, No.2, pp.74-75 (USSR).

ABSTRACT: University standard textbook containing a theoretical analysis of processes taking place in refrigeration machinery and also practical information.

This book is reviewed very favourably by Dr. of Technical Sciences, Prof. V. Survillo.

AVAILABLE:

Card 1/1

,           , DANILOV,           , M.

"Heat Exchange at the Refrigeration of the Concrete Masonry of Dams."

Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen,  
19 August - 2 September 1959.

TKACHEV, A G

PHASE I BOOK EXPLOITATION

SOV/4645

Rozenfel'd, Lev Markovich, Doctor of Technical Sciences, Professor, and Anatoliy Georgiyevich Tkachev, Doctor of Technical Sciences, Professor

Kholodil'nyye mashiny i apparaty (Refrigerating Machines and Devices) 2nd ed., rev. and enl. Moscow, Gostorgizdat, 1960. 656 p. 12,000 copies printed.

Reviewers: I.S. Badyl'kes, Doctor of Technical Sciences, Professor, and V.S. Martynovskiy, Doctor of Technical Sciences, Professor; Ed.: N.G. Nikolayeva; Tech. Ed.: D.M. Medrish.

PURPOSE: This is a textbook for use in a course entitled "Refrigerating Machines" for engineers specializing in refrigeration.

COVERAGE: The book is a revised and enlarged edition of the textbook published by the authors in 1955. The book discusses modern theory of various types of refrigerating machines, their structural designs, i.e., piston-, rotary-, and centrifugal-compressor machines and also steam-jet and absorption machines. On the basis of modern heat-transfer theory, the book considers the operation of components of refrigerating machines and their designs. Information is given on automation schemes for refrigerating machines. Chapter I, II, III, IV, V, VI, VII, VIII, X, XI, XVII, XVIII, and XIX were written by Doctor of Technical

Card ~~1/40~~



Refrigerating Machines and Devices

SOV/4645

Sciences; Professor L.M. Rozenfel'd; Chapters XII, XIII, XIV, XV, and XVI by Doctor of Technical Sciences, Professor, A.G. Tkachev; Chapter IX by Engineer Ye.S. Guverich; and the section on the theory of similitude in Chapter III by Professor I.S. Badyl'kes. Collectives of the Kafedry kholodil'nykh mashin i teoreticheskikh osnov teplo - i khladotekhniki Leningradskogo tekhnologicheskogo instituta kholodil'noy promyshlennosti (Departments for Refrigerating Machines and the Theoretical Basis of Thermal and Refrigeration Engineering of the Leningrad Technological Institute of the Refrigeration Industry) participated in preparing the manuscript for publication. The authors thank G.S. Serdakov, V.V. Onosovskiy, R.N. Mikhail'skaya, G.N. Danilova, A.K. Stukalenko, A.Ya. Il'in, M.S. Karnaukh, O.N. Aleshunina, Ye.M. Kulekina, and V.S. Boshenkovaya. There are 118 references: 112 Soviet, 4 German, and 2 English.

TABLE OF CONTENTS:

Ch. I. Physical Principles for Obtaining Low Temperatures	
Natural cooling and air conditioning	5
Cooling by means of phase transformations	5
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Card <del>2/10</del>	12

TKACHEV, A.G., doktor tekhn.nauk, prof.; DANILOVA, G.N., kand.tekhn.nauk;  
SYROVTSEVA, N.N., kand.tekhn.nauk; SYROVTSEVA, N.N., inzh.

Heat exchange during the artificial cooling of concrete  
in constructing dams. Gidr.stroi. 29 no.3:37-39 Mr '60.  
(MIRA 13:6)

(Dams) (Concrete construction)

TKACHEV, A.G., doktor tekhn.nauk, prof.; DANILOVA, G.N., kand.tekhn.  
nauk; BEL'SKIY, V.K., inzh.

Laboratory experiments in investigating the pipe method of  
cooling concrete. Gidr. stroi. 30 no.9:18-21 S '60.

(Concrete construction) (MIRA 13:9)

TKACHEV, A.K.; CHERNOPYATOV, V.S.

New design for the device which stokes the glass-melting furnace  
with batch and cullet. Stek. i ker. 18 no. 3:31-32 Mr '61.

(Glass furnaces)

(MIRA 14:5)

TKACHEV, A.N., gornyy tekhnik-elektromekhanik

Automatization of conveyer lines. Ugol' Ukr. 5 no.4:31 Ap '61.

(MIRA 14:4)

(Conveying machinery)

(Automatic control)

TKACHEV, A.N. (g.Gornozavodsk, Sakhalinskoy oblasti)

Universal push-button control post. Ugol' 34 no.3:47  
Mr '59.

(MIRA 12:5)

(Coal mining machinery)  
(Remote control)

TKACHEV, A.P.

Errors in the construction of VO-5 cars. Bezop.truda v prom. 2  
no.10:34 0 '58. (MIRA 11:11)

1. Zlatoustovskoye rudoupravleniye.  
(Mine railroads--cars)

TKACHEV, A.P. [Tkachov, A.P.]

Taking off only the butt part of the skin in the processing  
of slaughtered swines. Khar.prom. no.1:85-87 Ja-Mr '62.

(MIRA 15:8)

(Port industry--By-products)



TKACHEV, A.P.; YERZUNOVA, A.A.; SERGEYEV, N.V.

Expenditure of raw materials in the manufacture of garment sheep  
pelts. Kozh.-obuv.prom. 4 no.6:7-10 Je '62. (MIRA 15:6)  
(Hides and skins)

ALKHAZOV, Vasilii Alekseyevich; TKACHEV, Aleksandr Petrovich;  
BURNAZYAN, A.I., red.; ALYAB'YEV, A.F., red.; VLASOVA,  
N.A., tekhn. red.

[Individual means of antichemical and antiradiation protec-  
tion] Individual'nye sredstva protivoradiatsionnoi i pro-  
tivokhimicheskoi zashchity. Moskva, Gosatomizdat, 1963. 59 p.  
(MIRA 17:2)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CA

The influence of chromium plating on the toughness of spring steel. A. L. Lavrov and A. P. Trachev. *Optiko-Mekhan. Prom.* 9, No. 8, 1-2(1939); *Chem. Zvez.* 1940, I, 3018.—Electrolytic Cr plating of small pieces of steel causes embrittlement and slightly increases the tensile strength. These effects are connected with the diffusion of H<sub>2</sub> into the base metal. The Cr coating makes it difficult to remove the H<sub>2</sub> by heating. Very thin pieces (as  (b)) which must withstand bending and shock should not be Cr plated.

M. G. Moore

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ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

1ST AND 2ND ORDERS

VOYTKEVICH, A.A.; TKACHEV, A.V.

Scientific session of the Uzbek Institute of Regional Medicine  
of the Academy of Medical Sciences of the U.S.S.R. Probl.  
endok. i gorm. ll no.6:120-121 H-D '65. (HIRA 18:12)

TKACHEV, A.V.

Distribution of polonium -210 in the hypophysis, thyroid and  
parathyroid glands of rats. Radiobiologia 3 no. 6:877-879  
'63. (MIRA 17:7)

ACCESSION NR: AP4015102

S/0205/64/004/001/0167/0169

AUTHOR: Tkachev, A. V.

TITLE: Thyroid gland reaction to single administration of polonium-210

SOURCE: Radiobiologiya, v. 4, no. 1, 1964, 167-169

TOPIC TAGS: thyroid gland, polonium-210 biological action, thyroid gland functional change, polonium-210 poisoning, radioactive iodine, thyroid gland morphological change, thyroid gland follicle, hyperthyroidism

ABSTRACT: Subacute radiation sickness was induced in 51 experimental male rats with single subcutaneous administration of Po<sup>210</sup> (0.02 microcuries/kg) in a mannitol solution. 58 animals served as a control. Functional changes in the thyroid gland were determined by the activity of radioactive iodine (I<sup>131</sup>) at different periods up to the 105th day when most animals died. Morphological indices included thyroid gland follicle and weight changes. During the first ten days after Po<sup>210</sup> administration no significant differences between experimental and control animals were found. On the 40th day both

Card 1/2

ACCESSION NR: AP4015102

functional and morphological changes in the experimental animals indicated a hyperthyroid state. On the 70th and 100th days a disparity was found between thyroid functional activity and morphological indices. On the 70th day  $^{131}\text{I}$  radioactivity in experimental animals approached indices for control animals, and on the 100th day it was even slightly lower than for control animals. However, increased hyperthyroidism was indicated by morphological changes for this period: continued weight increase of thyroid gland, increased height of follicle epithelium, almost complete colloid resorption, sharp dilation of interfollicular capillaries, and more sclerotic changes. This disparity between functional and morphological indices may be attributed to direct  $\text{Po}^{210}$  action on the thyroid which causes insufficient secretion of the thyroid hormone or to functional exhaustion of the thyroid gland by the increased stimulating action of the hypophysis. Orig. art. has: 2 figures.

ASSOCIATION: Institut biofiziki ministerstva zdravokhraneniya SSSR, Moscow (Biophysics Institute of the Ministry of Health SSSR)

SUBMITTED: 14Dec62

DATE ACQ: 12Mar64

ENCL: 00

SUB CODE: LS  
Card 2/2

NR REF SOV: 006

OTHER: 001

TKACHEV, D.K., kapitan tekhnicheskoy sluzhby

Interesting encounter. Vest.protivovo zd.obor. no.9:17 S '61.

(MIRA 14:8)

(Military engineers)



Handwritten: 0 11

YUDENICH, Grigoriy Ivanovich, doktor tekhnicheskikh nauk, professor;  
TROITSKIY, A.V., redaktor; SHUGUROVA, N.I., gornyy inzhener,  
retsenzent; TKACHEV, D.M., gornyy inzhener, retsenzent; KAZAKOVA,  
M.G., gornyy inzhener, retsenzent; BATANOV, A.I., gornyy inzhener,  
retsenzent; MIKHAYLOVA, V.V., tekhnicheskiiy redaktor

[Dressing iron and manganese ores] Obogashchenie zheleznykh i  
margantsevykh rud. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry no  
chernoi i tsvetnoi metallurgii, 1955. 624 p. (MLRA 9:3)  
(Iron ores) (Manganese ores) (Ore dressing)

L 14152-66 EWT(m)  
ACC NR: AP6001317

SOURCE CODE: UR/0248/65/000/009/0044/0052

AUTHOR: Voykevich, A. A.; Tkachev, A. V.; Chekunov, A. S.; Obchinnikova, G. A.; Palyga, G. F.

ORG: Institute of Medical Radiology, AMN SSSR, Obninsk (Institut meditsinskoy radiologii AMN SSSR)

TITLE: Reaction of the neurosecretory nuclei of the hypothalamus, thyroid, and adrenal glands to radiation injury of the organism

SOURCE: AMN SSSR. Vestnik, no. 9, 1965, 44-52

TOPIC TAGS: ionizing radiation, pathogenesis, endocrinology, polonium, radiation sickness, radioisotope

ABSTRACT: Study of the neurosecretory nuclei in rats exposed to polonium 210 revealed a three-stage development of changes in the neurons of the paraventricular and supraoptic nuclei. Immediately after exposure the neurosecretion flowed rapidly along the axons, after which elimination and synthesis were in a state of relative balance. Finally, inhibition of neurosecretion set in, ending in partial destruc-

UDC: 617-001.28-07 : [616.831.4+616.441+616.45]-008.6-076.916

Card 1/2

L 14152-66

ACC NR: AP6001317

tion of the neurons. The adrenals were studied on the same material at different periods of acute radiation sickness. Within 24 hours of exposure the glands increased in weight almost  $1\frac{1}{2}$  times. This increase as well as the histological changes were indicative of marked hypertrophy of the glands due to intensified production of hormones. The structural and functional changes observed in the thyroid were more or less similar to those in the adrenals. Under normal conditions the peripheral endocrine glands are elements in a "closed" system--hypothalamus-hypophysis-thyroid-adrenal-hormone--metabolism in peripheral tissue. Introduction of  $Po^{210}$  disrupts hormone metabolism, which gives rise to compensatory intensification of the thyrotropic and adrenocorticotropic functions of the hypophysis, resulting in hyperstimulation of the thyroid and adrenals. The isotope accumulates selectively in the neurosecretory nuclei of the hypothalamus and ultimately destroys them. Orig. art. has: 2 figures, 1 table.

SUB CODE: 06/

SUBM DATE: 05Jun65/

ORIG REF: 012/

OTH REF: 000

Card 2/2 *So*

TKACHEV, D.N., inzh.

Contact wire suspension insulators on portable track systems.  
Gor. zhur. no.7:77 J1 '61. (MIRA 15:2)

1. Sibayskiy rudnik Bashkirskogo medno-germogo kombinata.  
(Electricity in mining)

TKACHEV, F., polkovnik

Our practice of training propagandists. Komm.Vooruzh.Sil 3  
no.23:45-48 D '62. (MIRA 16:2)

1. Nachal'nik otdela propagandy i agitatsii politupravleniya  
Privolzhskogo voyennogo okruga.  
(Russia--Armed forces--Education, Nonmilitary)  
(Russia--Armed forces--Political activity)

IZRAITEL', S.A., otv. red.; SKURAT, V.K., otv. red.; ZUBAREV, S.N., otv. red.; MOISEYEV, S.L., otv. red.; ASTAF'YEVA, A.V., kand. tekhn. nauk, red.; VAS'KOVSKIY, Ye.L., red.; VISHNEVSKIY, Ye.L., red.; KRIVTSOV, B.S., red.; KOROTKIN, I.N., red.; MITROFANOV, S.I., doktor tekhn. nauk, red.; NORKIN, V.V., kand. tekhn. nauk, red.; NIKITIN, A.A., red.; RUDNEV, A.P., red.; SLASTUNOV, V.G., red.; TKACHEV, F.A., red.; RAUKHVARGER, Ye.L., kand. tekhn. nauk, red.; FEOKTISTOV, A.T. [deceased], red.; ZAYTSEV, A.P., red.

[Safety regulations for the dressing and sintering of ferrous and nonferrous metal ores] Pravila bezopasnosti pri obogashchenii i aglomeratsii rud tsvetnykh i chernykh metallov. Moskva, Nedra, 1964. 106 p. (MIRA 18:4)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniyem v promyshlennosti i gornomu nadzoru.

ACC NR: AP6032537

SOURCE CODE: UR/0413/66/000/017/0145/0145

INVENTOR: Tkachev, F. C.; Skulanov, B. S.; Shchuplyakov, Yu. N.; Chernyshev, L. N.

ORG: none

TITLE: Parachute. Class 62, No. 185708

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 145

TOPIC TAGS: parachute, airdrop equipment, aircraft escape equipment

ABSTRACT: An Author Certificate has been issued for a parachute which has better aerodynamic characteristics and greater safety due to the fact that it combines such well-know features as the x-shaped canopy, a conical spring mechanism the built into the polar section of the canopy, and a central shroud line passing through the spring mechanism. Orig. art. has: 1 figure.

SUB CODE: 01/                      SUBM DATE: 23Feb65/

Card 1/1

UDC: 629.13.01/06

L 50332-6

ACCESSION NO: A8502242

REF ID: A86160/000/014/0116/0116

NOV 11 1965

AUTHOR: Tkachev, E. D.; Pichugin, A. A.; Minayev, Ye. N.; Kotyukov, V. G.

TITLE: Shock absorber for parachuted loads. Class 62, No. 173127

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 116

TOPIC TAGS: air drop shock absorber, air dropped supply

ABSTRACT: An Author Certificate has been issued for a shock absorber for parachuted loads (liquid-filled barrels or vessels). To protect the load at ground impact, the shock absorber is made in the form of a base made of wood or some other similar material attached by a band to the bottom part of the load. The base is a shaped spherical segment with a steep edge. The center of the load's spherical segment is above the barrel's center of gravity. Orig. art. has: 1 figure.

ASSOCIATION: none

Card 1/3



L 64332-65

ACCESSION NR: AP5022048

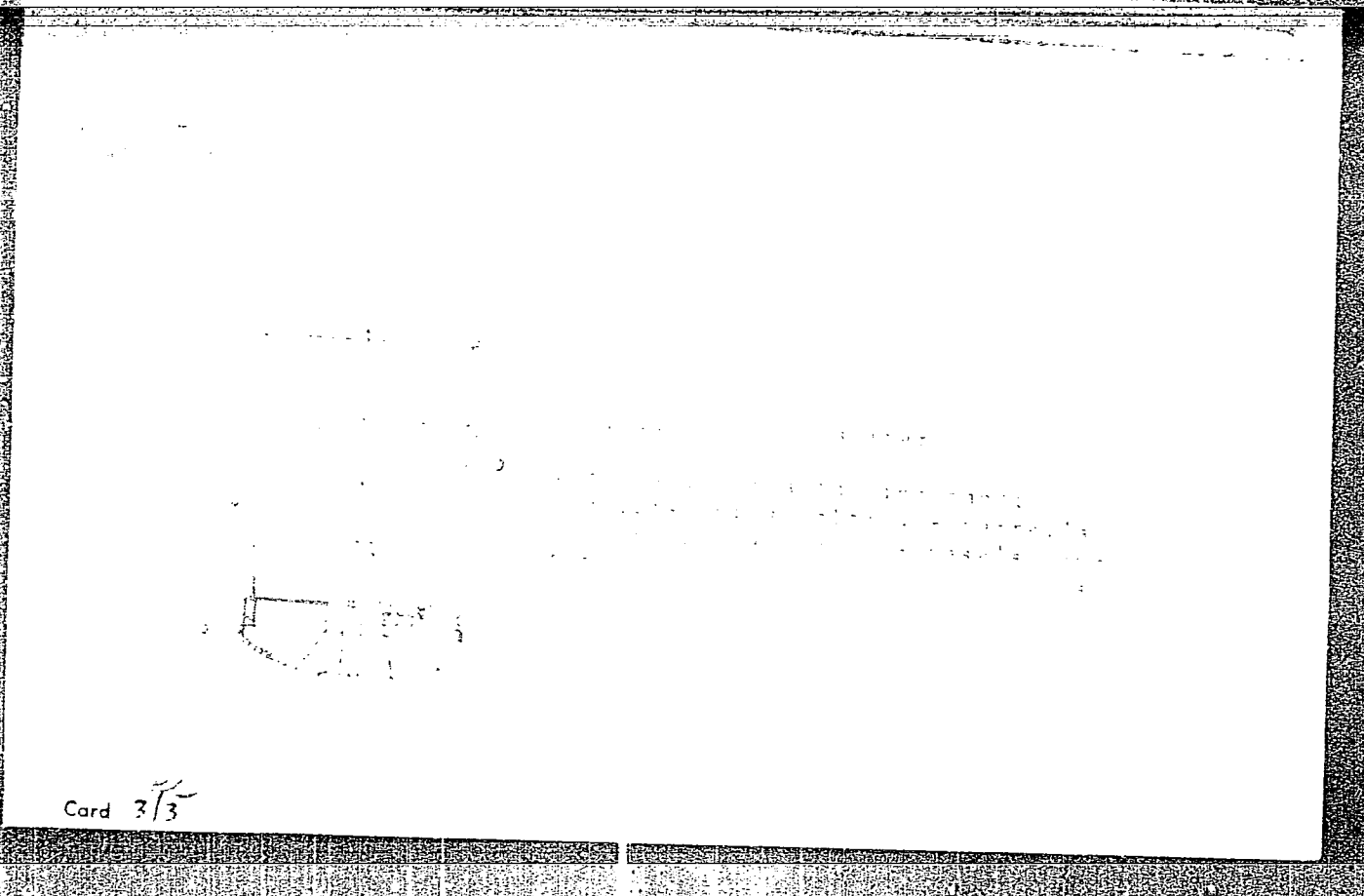
SUBMITTED: 10/16/59

CLASS: 01

SUB CODE: AC

0

Card 2/3



MURAVOV, I.I.; TKACHEV, F.T. [Tkachov, F.T.]

Physiologic analysis of the effect of previous muscular efforts  
on the working capacity of nonfatigued muscles. Fiziol. zhur.  
[Ukr.] 10 no.2:163-169 Mr-Apr '64. (MIRA 12:17)

1. laboratoriya fiziologii dvigatel'nogo rezhima instituta  
gerontologii i eksperimental'noy patologii ANU SSSR, Kiyov.

DERBAREMDIKER, M.I.; SEREBRENNIKOVA, K.L.; TKACHEV, G.I.

Gasification of mazut under pressure. Gaz. prom. 7 no.6:11-  
16 '62. (MIRA 17:6)

TKACHEV, G.K.

Gas supply and utilization in Moscow Province. Gaz. prom. no.10:34-35  
0 '58. (MIRA 11:11)

(Moscow Province--Gas distribution)

ACCESSION NR: AP4010879

S/0210/63/000/011/0114/0121

AUTHOR: Tkachev, G. N.

TITLE: Treating telluric current graphs by the method of true ellipses

SOURCE: Geologiya i geofizika, no. 11, 1963, 114-121

TOPIC TAGS: telluric current, statistical method, tellurogram, amplitude variation, vector diagram, true ellipse

ABSTRACT: The method consists of selecting synchronous segments of telluric-current diagrams from two points of observation. The amplitude variation is determined (the periods do not need to be precisely the same). A vector diagram is constructed for each  $15^\circ$ , but for greater accuracy, sectors of  $10^\circ$  may be used. The ellipse is drawn to fit these vector values as nearly as possible, and the long axis of the ellipse determines the polarization direction. The statistical method discussed by the author is much more laborious than the ordinary method of ellipses, and its use at present is recommended only for tying base points together, or when there is a sharp disruption of the correspondence between components of the synchronous vectors at base point and field point. The method permits

Card 1/2

ACCESSION NR: AP4010879

a great increase in accuracy and constancy of the values of K when determined under these conditions. The analytical determination of the true polarization ellipse at each field point by the method discussed points the way for practical use of the method to expand possible interpretations of telluric data. Orig. art. has: 3 figures and 16 formulas.

ASSOCIATION: Kontora Vostsibneftegeofizika, Irkutsk (Office of Vostsibneftegeofizika)

SUBMITTED: 24Apr62

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 002

Card 2/2

TKACHEV, I.

Effective measure. Sov.shakht. 10 no.10:29-30 0 '61.

(MIRA 14:12)

1. Predsedatel' uchastkovogo komiteta profsoyuza shakhty No.8  
tresta Prokop'yevskugol'.

(Kuznetsk Basin--Coal miners) (Trade unions)



TKACHEV, I.A.; MILOVZOROV, A.I.

Effect of the quantity of pollen on the fertilization results in  
corn and on the quality of hybrid seeds. Agrobiologia no.1:63-  
66 Ja-F '65.

(MIRA 18:4)

1. Donskoy sel'skokhozyaystvennyy institut.

2

Country : USSR  
 Category : Farm Animals.  
 Abs. Jour : Ref Zhur-Biol., No 21, 1953, 96829  
 Author : Trachev, I. F.  
 Institut. : AS USSR.  
 Title : Metabolism and Energy Metabolism in Growing Calves at Different Levels of General, Protein and Mineral Diets.  
 Orig Pub. : V sb.: Vopr. fiziol. s.-kh. zhivotnykh. M.-L., M. SSSR, 1957, 119-129  
 Abstract : Digestion, nitrogen, mineral and carbon metabolism, pure energy, the productive value of colostrum, of whole and skimmed milk, and of several typical diets at moderate and intensive feedings were studied on 6 Ost-Friesland hybrid calves from birth until the age of 6 months (live weight 38-155 kg with daily weight gains averaging 700-1150 g). At the age of 5-6 months the calves consumed during 1 hour per 1 kg (depending on the level of the feeding) 0.385-

Card: 1/4

16

Country : USSR  
Category : Farm Animals. 2  
          : Cattle.  
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96829  
Author :  
Institut. :  
Title :  
Orig Pub. :  
Abstract : 0.443 l of O<sub>2</sub> and discharged 0.362-0.399 l of  
          CO<sub>2</sub>. A 20-30 percent increase of dry substan-  
          ces in fodder increased gaseous metabolism by  
          8-11 percent, and a 50 percent increase in ge-  
          neral nutritive value produced a 6-10 percent  
          increase of gaseous metabolism. The digestibi-  
          lity of milk rations by the calves amounted to  
          94-96 percent, of mixed rations to 76-69 per-  
          cent, of rations without milk to 63 percent.  
          During the lactation period the utilization of  
          digestible N amounted to 74-82 percent, at the  
Card: 2/4

Country : USSR  
Category : Farm Animals.  
Cattle.  
Abs. Jour : Ref Zhur-Biol., No 21, 1953, 96829  
Author :  
Institut. :  
Title :

Orig Pub. :

Abstract : age of 5-6 months to 34-40 percent. In calves up to 1 month old, the deposit coefficient of Ca was 86-96 percent and of P 70-80 percent; at the age of 5-6 months the corresponding figures were 48-55 and 42-48 percent. At intensive feeding, the utilization of physiological-ly useful energy was 4-5 percent higher. According to respiration tests the general nutrient values amounted to 43 for colostrum, 36.1 for whole milk, and 17 for skimmed milk (in feed

Card: 3/4

Country : USSR  
Category : Farm Animals.  
Cattle. Q  
Abs. Jour : Ref Zhur-Biol., No 21, 1953, 96829  
Author :  
Institut. :  
Title :  
Orig Pub. :  
Abstract : units). New norms for the feeding of calves  
were established. -- F. M. Kazantsev

Card: 4/4

TKACHEV, I.F., prof.

New way of determining the edibility and digestibility of pasture  
grass. Zhivotnovodstvo 21 no.2:37-40 F '59. (MIRA 12:3)

1. Kubanskiy sel'skokhozyaystvennyy institut.  
(Pastures and meadows)

TKACHEV, I.F., nauchn. red.; SHIBAKOV, L.Ya., red.

[Production and use of vitamins, antibiotics, and biologically active substances] Proizvodstvo i ispol'zovanie vitaminov, antibiotikov i biologicheskii aktivnykh veshchestv. Krasnodar, Krasnodarskoe knizhnoe izd-vo, 1965. 180 p. (MIRA 18:11)

1. Krasnodarskiy vitaminnyy kombinat.

PROCESSES AND PROPERTIES INDEX

11E

CA

Utilization by pigs of feed mixtures ground to different degrees of fineness of their components. I. P. Tkachev. *Problems Animal Husbandry* (U. S. S. R.) 7: N6: 1, 32-34 (in English, 85)(1938).—On coarsely ground feeds (1.7-1.8 mm.) pigs attained in 90-100 days a wt. of 135-40 kg. while on finely ground feeds (0.85-0.95 mm.) their wt. was 150-5 kg. for the same period of time. For optimum results mixed feeds must be finely ground with an av. size of the particles of approx. 0.75 mm. and must contain no less than 75% of particles whose size is no greater than 1.0 mm. 10 references. W. R. Henn

COMMON ELEMENTS

MATERIALS INDEX

ASIA SLA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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TKACHEV, I.G.; DOLGOPOLOVA, T.I.

Influence of the consistency of the overburden soils on the occurrence of clay inrush in the mines of Kuznetsk Basin.

Fiz.-tekh. probl. razrab. pol. iskop. no.1:75-89 '65.

(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gornoy geomekhaniki i marksheyderskogo dela, Leningrad.

TKACHEV, I.G., inzh.; SHIK, V.M., inzh.

Results of observations of manifestations of rock pressure in Surtakha  
Mine. [Trudy] VNIMI no.45:282-288 '62. (MIRA 16:4)  
(Kuznetsk Basin--Rock pressure)

OSIPOV, V.P. [Osypov, V.P.] (Osypov); TRACHIV, I.I. [Trachiv, I.I.] (Kiyov)

Approximation of empirical correlation functions calculated from  
experimental data. Avtomatyka 10 no.4:81-86 '85.

(MIRA 18:10)

TKACHEV, I. I.

AMALITSKIY, V.M., inzhener; DORIN, S.Ye., inzhener; PROTANSKIY, V.V.  
dotsent; SYROMYATNIKOV, S.A.: dotsent, redaktor; TKACHEV, I.M.  
redaktor; NIKOLAYEVA, I.I., redaktor; KARASIK, N.P., ~~tekhnicheskii~~  
cheskiy redaktor.

[Manual for the planner of lumbering enterprises] Spravochnik  
izyskatelia lesozagotovitel'nykh predpriyatii. Moskva, Goslesbum-  
izdat, 1955. 595 p. (MLRA 8:11)

1. Russia (1923- U.S.S.R.) Ministerstvo lesnoy promyshlennosti.  
(Lumbering)

TKACHEV, Ivan Petrovich

[Power of production meetings] Sila proizvodstvennogo  
soveshchaniia. Moskva, Profizdat, 1959. 62 p.

(MIRA 13:11)

(Works councils)

~~TKACHEV, I. P.~~

New sinkhead. Metallurg 2 no,5:30-32 My '57.

(MLBA 10:6)

1. Nachal'nik tsekha podgotovki sostavov Kuznetskogo metallurgicheskogo kombinata.

(Steel--Metallurgy)

TKACHEV, I.S.

Metal-lined riser heads. Stal' 17 no.4:318-319 Ap '57.

MLRA 10:5)

1.Kuznetskiy metallurgicheskiy kombinat.  
(Steel--Metallurgy)

AUTHOR: Tkachev, I. S. (Kuznetsk Metallurgical Combine). 360

TITLE: Lined metal hot tops. (Metallicheskiye futerovannye pribyl'nyye nadstavki).

PERIODICAL: "Stal'" (Steel), 1957, No.4, pp.318-319 (U.S.S.R.)

ABSTRACT: For casting ingots from killed steel "floating" ceramin hot tops were used in the Kuznetsk Works. These were replaced by brick lined steel hot tops (Fig.1). Preliminary calculations have shown that the above replacement brought a considerable economy (4 million roubles per year) due to a higher durability of the new hot tops and a decrease in the metal losses. 2 diagrams.



VISHNYAKOV, A.V.; DANILOV, P.M.; METELEVA, G.G.; BORODULIN, A.I.;  
TKACHEV, I.S.; PLEKHANOV, P.S.

Casting seven-ton ingots of killed steel with closed shrinkage  
cavities. Izv.vys.ucheb.zav.; chern.met. 5 no.6:32-38 '62.

(MIRA 15:7)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy  
kombinat.

(Steel ingots)

VISHNYAKOV, A.V.; BORODULIN, A.I.; DANILOV, P.M.; METELEVA, G.G.;  
TKACHEV, I.S.; PLEKHANOV, P.S.

Quality of the fusion of closed shrinkage cavities in killed  
steel ingots. Stal' 22 no.12:1118-1120 D '62. (MIRA 15:12)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgi-  
cheskiy kombinat.  
(Steel ingots--Defects) (Rolling (Metalwork))

AUTHOR: Tkachev, I. S., (Manager of the composition-preparation shop). 130-5-14/22

TITLE: New Hot Top (Novaya uteplitel'naya nadstavka).

PERIODICAL: "Metallurg" (Metallurgist), 1957, No.5, pp.30-32, (U.S.S.R.).

ABSTRACT: After pointing out the disadvantages (high cost, mechanical weakness, dust nuisance) of the all-ceramic hot tops used at the Kuznetskiy metallurgical combine, the author describes a new type of lined metal hot top. The body, cast from Type M-1 and M-2 mild carbon steel, has two pairs of trunnions and is lined with specially shaped firebricks which form a 20 mm air gap between lining and refractory. Before use the inner surface of the refractory is smeared with a fireclay composition. The hot top is supported over the ingot mould on wooden blocks. After the body of the ingot has been filled the pouring is continued more slowly till the level is 25-30 mm over the bottom of the hot top. Pouring is then stopped for 25-35 sec and then completed slowly. The new hot tops have been in use (large-scale) since October 1956, the yield of first class rails in November being 94.9% (93.15% with all-ceramic type under

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New Hot Top'. (Cont.)

130-5-14/22

identical conditions) and 96.6% in December (95.8%). Conversion to the use of the new type is due to be completed in 1957, with an expected annual economy of 4 million roubles.

There are 1 table, 2 figures.

ASSOCIATION: Kuznetskiy metallurgical combine (Kuznetskiy metallurgicheskiy kombinat).

AVAILABLE:

Card 2/2