

S/169/62/000/003/008/098
D228/D301

AUTHORS: Tishchenko, V. G. and Lyamzina, G. A.

TITLE: Oscillations of stone-talus dams at the time of seismic agitation

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 14, abstract 3A122 (Tr. In-ta fiz. Zemli, AN SSSR, no. 17 (184), 1961, 109-118)

TEXT: The authors describe instrumental investigations of the oscillations of a stone-talus dam caused by the seismic effect of explosions. The dam has a length of ~260 m and a height of 25.5 m, its base being of granite. The stone talus consists of stones, 25 - 50 cm in size, with an infilling of finer fractions; the slopes are partially fastened with concrete and rough walling; at the top of the dam there is a ferroconcrete capping. Explosions were made on the dry low-water side. The vibrations were recorded by ВЭРИК (VEGIK) seismic receivers on a ПСБ-12 (POB-12) oscillograph with ГБ-111 (GB-111) five-hertz galvanometers. The following propaga-

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Oscillations of stone....

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gational speeds of longitudinal waves were obtained: 5000 m/sec in granite and ~600 m/sec in the stone talus. The dam's natural oscillations -- vertical, with a period of 0.08 - 0.1 sec, and horizontal, with a period of 0.13 sec -- were recorded. D, the attenuation of the natural oscillations, was equal to 0.06. The oscillations of the granite base are characterized by the presence of high-frequency components (0.02 - 0.06 sec); lower frequencies (0.08 - 0.15 sec) prevail in the dam's oscillations. The calculated periods of the vertical and the horizontal oscillations ($T_V = 0.119$ sec and $T_H = 0.154$ sec) differ from the measured by no more than 19%. The conclusion is drawn about the usefulness of the adopted method of calculation. / Abstracter's note: Complete translation. /

Card 2/2

GORYACHEV, A.V.; YERSHOV, I.A.; KIRILLOV, F.A.; KUZIN, I.P.;
LYAMZINA, G.A.; MEDVEDEV, S.V.; POPOV, V.V.; FEDOTOV, S.A.;
SHTEYNBERG, V.V.

Seismic microzoning of the Petropavlovsk-Kamchatskiy area.
Trudy Inst. fiz. Zem. 28 Vop. inzh. seism. no.8:3-60 '63.
(MIRA 16:11)

L 26460-66

ACC NR: N6017381

SOURCE CODE: UR/0230/65/000/011/0013/0015

AUTHOR: Gorbovskiy, B. Ye. (Candidate of technical sciences); Lyan, V. V. (Engineer);
Stepanov, A. I. (Engineer)

ORG: none

TITLE: Experience in submerging pilings in clay bottoms

SOURCE: Transportnoye stroitel'stvo, no. 11, 1965, 13-15

TOPIC TAGS: highway bridge, construction

ABSTRACT: In the construction of the Saratov highway bridge across the Volga cofferdams 4 and 5 meters in diameter were used to place the main supports through the sand covering the bottom from 1.5 to 18 m thick. Most of the bottom dirt moved was dug up with a 1.5 m³ bucket, after being loosened by a new design ripper, the RUR-3, produced by Lengiprotransmost and designed for cofferdams up to 3 meters in diameter. In this application, due to the larger size of the cofferdams used, the tool had to be modified to move horizontally to cover the entire area, instead of just vertically as it was designed to do. Experiments with explosive breaking of large rocks at two support locations were very successful. Two of the cofferdams ruptured during operation, the result of residual stresses in wet-welded joints. When the bottom was worked to diameter greater than the cofferdam before setting it down, in some cases sand flowed into the cofferdam as it

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UDC: 624.157.21

L 26460-66
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was sunk, making work very difficult. Other problems encountered had to do with freezing of the ground at the bottom of the cofferdams in winter, drifting and resultant incorrect placement of pilings and lack of equipment to take care of rock inclusions encountered in the work. About 40 man-days were required for each meter of pile sunk. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 001

Card 2/2

PP

PACKAGES AND PROPERTIES INDEX

21

B LYAND, D.M.

Design of the "KhtGZ" Series of High Pressure Turbines. (In Russian.) D. M. Lyand and D. S. Rozin. *Kolleturbostronnie* (Boiler and Turbine Manufacture), Dec. 1947, p. 8-16.

Charts, tables, and text give details concerning construction and operation of the above Russian steam turbines. A series of folding diagrams show constructional features in minute detail.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GROUP	1ST AND 2ND LETTERS	3RD AND 4TH LETTERS	5TH AND 6TH LETTERS
01	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ	AAA AAB AAC AAD AAE AAF AAG AAH AAJ AAK AAL AAM AAN AAO AAP AAR AAS AAT AAU AAV AAW AAZ

LYANDA, M.N.; RUBAN, M.G.

Semiautomatic airbrush for painting products and automatic
dosimeter for weighing gypsum. Stek. i ker. 17 no.9:41-43
S '60. (MIRA 13:9)

(Airbrush art) (Gypsum)

LYANDA, M.N.; RUBAN, M.G.

Grabs for PG-1 glazing machines. Stek. 1 ker. 17 no.12:39-40.D '60.
(MIRA 13:11)

(Glazing--Equipment and supplies)

LYANDA, M.N.; RUBAN, M.G.

Semiautomatic machine for glazing flat products. Stak. i ker.
17 no.10:36-37 '60. (MIRA 13:10)
(Glazing--Equipment and supplies)

LYANDA, M.N.; MIROSHNICHENKO, A.A.

Flow lines for the polishing and sorting of porcelain products.
Stek. i ker. 19 no.3:41-43 Mr '62. (MIRA 15:3)
(Ceramics) (Conveying machinery)

LYANDA, M.Yu., mayor meditsinskoy sluzhby

Diagnostic value of some formulae for the calculation of basal
metabolism. Voen.-med.zhur. no.1:80-81 '65.

(MIRA 18:10)

LYANDA, Yu. N., inzhener.

Meeting of machinist-innovators. Sudostroenie 22 no.11: (MLRA 10:2)
51 N 156.

(Leningrad--Shipbuilding)

LYANDA, Yu. N.

LYANDA, Yu. N., inzhener.

Competition results of efficiency promoters at the "Baltiiskii"
plant. Sudostroenie 23 no.1:75 Ja '57. (MIRA 10:10)
(Leningrad--Shipbuilding)

LYANDA, Yu.N., inshener.

Plan for the gasification of the Baltic Plant. Sudostroenie 23
no.7:63 J1 '57. (MIRA 10:8)
(Leningrad--Industries) (Gas as fuel)

LYANDA, Yu.N., inzh.

Efficiency promoters in the "Baltiiskii" plant. Sudostroenie 23
no.8:57-58 Ag '57. (MIRA 10:11)
(Leningrad--Shipbuilding)

LYANDA, Yu.N., inzh.

Registration and introduction of suggestions at the "Baltiiskii"
Shipyard. Izobr. v SSSR 3 no.3:37-41 Mr '58. (MIRA 11:3)
(Leningrad--Shipyards)

LYANDA, Yuliy Naumovich; LANDO, M.E., red.; FREGER, D.P., red. izd-va;
GVIRTS, V.L., tekhn. red.

[Procedure for introducing borrowed progressive practices into an
industrial enterprise] Poriadok vnedrenia zaïmstvovannogo peredovogo
opyta na promyshlennom predpriatii. Leningrad, 1960. 27 p.
(MIRA 14:7)

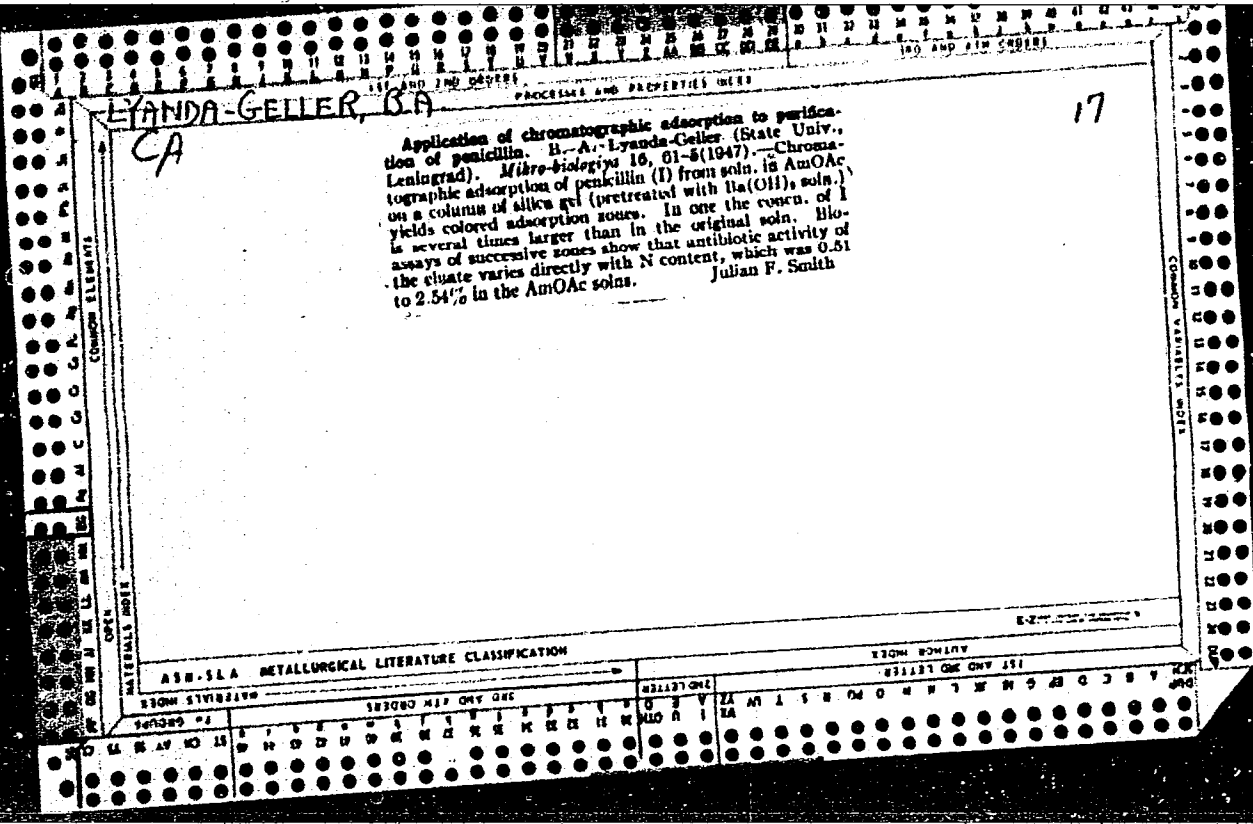
(Leningrad--Shipbuilding--Technological innovations)

LYANDA, Yu.N., inzh.

Inventions and efficiency promotion at the Ordzhonikidze Baltiisk Plant.
Sudostrøenie 29 no.1:74-75 Ja '63. (MIRA 16:3)
(Baltiisk—Shipbuilding—Technological innovations)

LYANDA, Yu.N., inzh.

Gun for stud welding. Sudostroenie 29 no.5:51 My '63.
(MIRA 16:9)
(Electric welding—Equipment and supplies)



11C

CA

Influence of nitrogen and carbohydrate nutrients on penicillin production by *Penicillium crustosum*. B. A. Lyanda-Geller and A. V. Markovich (Vaccine and Serum Inst., Leningrad). *Mikrobiologiya* 16, 105-11(1947).--

Production of penicillin (I) by *P. crustosum* (II) was tested in meat-peptone-broth (MPB) with 2% sucrose; with KNO₃ for N; with (NH₄)₂SO₄ for N; without N; with KNO₃ but no sucrose; with KNO₃, using dextrin instead of sucrose. Secondary growth, after replenishing spent medium, forms no I if N is omitted. In MPB it consumes much more N per g. of mycelium produced than is consumed in primary growth, and the resulting I is twice as active (64 instead of 32 Oxford units in 8 instead of 16 days). Activity of I rises with rising N consumption, indicating a relation to N metabolism, probably to protein synthesis by II. Dextrin mediums yield more active I than do sucrose mediums. The pH of mediums ranged from 4.15 to 7.7; observed activity of I 0.2 to 64 Oxford units.

Julian F. Smith

45M-51A METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

COMMON VARIABLE NOTES

OPEN MATERIALS INDEX

PHOTO LETTERS

1ST AND 2ND COPIES

LYANDA-GELLER, B.A., kand. biolog. nauk

Production of a highly active fraction from purified dry tubercu-
lin, its chemical and biological characteristics. Probl. tub. 41
no. 9:67-72 '63 (MIRA 17:4)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta vaktsin
i syvorotok (dir. - doktor med. nauk M.K.Karpov, nauchnyy ruko-
voditel' - prof. B.G. Avetikyan.

LYANDAU, K.

BEZBOROD'KO, M., inzh.-polkovnik; DOBROVOL'SKIY, B., inzh.-podpolkovnik;
LYANDAU, K., inzh.-kapitan.

Is it necessary to conserve a motor? Tankist no. 4:44-47 Ap '58.
(Gas and oil engines) (MIRA 11:5)

LYANDAU, YE.N.

Tobacco Manufacture and Trade - Leningrad

How the First Leningrad Tobacco Factory adopted pneumatic equipment. Tabak
13 no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

GOLUB, A.I.; KORSUNSKIY, Ye.I.; LYANDE, A.Ye., spetsred.; DAMASKINA, G.B.,
red.; YAROV, B.M., tekhn. red.

[Advanced operating methods for wrapping machines] Peredovye
metody raboty na zavertyvaiushchikh mashinakh. Moskva, Pishche-
promizdat, 1956. 29 p. (MIRA 11:8)
(Wrapping machines)

LYANDE, V. S.

Docent, LOR Otorhenolaryngological Clinic, Yaroslavl Med. Inst., -1948-.

Medicine.

"A New Modification of Bokhon's Operation during a Retro-Auricular Opening,"

SO: Vest. Oto-rino-laringol., No. 2, 1948;

"Form and Size of Gap of a Tracheotomic Tube,"

SO: Vest. Oto-rino-laringol., No. 4, 1948.

LYANDE, V.S.

New method of determination of functional capacity of respiratory passages in the larynx. Vest. otorinolar., Moskva 15 no. 1:62-65
Jan-Feb 1953. (GLML 24:1)

1. Docent. 2. Of the Department for Diseases of the Ear, Throat, and Nose Yaroslavl' Medical Institute.

LYANDE, Vol'f Samoylovich

Academic degree of Doctor of Medical Sciences, based on his defense, 14 May 1954, in the Council of State Order of Lenin Inst for the Advanced Training of Physicians imeni Kirov, of his dissertation: "Tracheotomy."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 18, 10 Sep 55, Byulleten' MVO SSR, No. 17, Sep 56, Moscow, pp 9-16, Uncl. JPRS/NY-435

LYANDE, V.S., dotsent(Yaroslavl')

~~.....~~
Nomenclature in otorhinolaryngology. Vest.oto-rin. 17 no.3:
65 My-Je '55. (MLRA 8:9)

(OTORHINOLARYNGOLOGY
nomenclature)

(NOMENCLATURE
otorhinolaryngol.)

EXCERPTA MEDICA Dec.11 Vol.10/10 Oto-Rhino-Laryngo Oct57
LYANDE V.S.

1846. LYANDE V.S. Yaroslav. *On the technique of tracheotomy in
the optimum site (Russian text) VESTN.OTO-RINO-LARING.
1957, 3 (97-100)

The author advises in all cases of tracheotomy to dissect the trachea transversely
always in one and the same 'optimum' site - in the second intercartilaginous
space in adults, and in the third - in children. The difference between this oper-
ation and 'medial' tracheotomy is that in the former the place of opening of the
trachea is set according to the isthmus of the thyroid. Tracheotomy at the 'optimal'
site as well as 'medial' tracheotomy often makes it necessary to dissect the isth-
mus; 120 autopsy studies of the author have shown that whatever the position of the
head, the 'optimal' site is not concealed behind the sternum.

MELEROVICH, A.Ye., kandidat meditsinskikh nauk; LYANDE, V.S., doktor meditsinskikh nauk

Laryngeal lesions in syringomyelia. Vest.oto-rin.19 no.2:89-95
Mr-Apr '57. (MLRA 10:6)

1. Iz kafedry nervnykh bolezney (zav. - prof. G.G.Sokolyanskiy) Yaroslavskogo meditsinskogo instituta i oto-laringologicheskogo otdel'eniya (zav. - doktor meditsinskikh nauk V.S.Lyande) Yaroslavskoy oblastnoy bol'nitsy.

(SYRINGOMYELIA, compl.

laryngeal paralysis, ther. (Rus))

(LARYNX, paralysis

in syringomyelia, ther. (Rus))

LYANDE, V.S.

LYANDE, V.S., doktor med.nauk (Yaroslavl')

Technic of tracheotomy at the optimal site [with summary in English].
Vest.oto-rin. 19 no.3:97-100 My-Je '57. (MIRA 10:10)

(TRACHEA, surg.
tracheotomy, technic)

LYANDE, V.S., prof. (Khabarovsk)

First tracheotomies in Russian surgery. Zhur. ush., nos. 1
gonl. bol. 21 no.3:85-86 My-Je '61. (MIRA 14:6)
(TRACHEA--SURGERY)

LYANDE, V.S.; GLUBOKOVA, P.D.; MIROSHNIKOVA, Ye.Z.; GERASIMOVA, S.S.;
USOL'TSEV, V.N.

State of the upper respiratory tract and the organ of hearing in
singers and voice students in Khabarovsk. Trudy Khab.med.inst.
no.20:147-155 '60. (MIRA 15:10)

1. Iz kliniki bolezney ukha, goral i nosa (zav. prof. V.S.Lyande)
Khabarovskogo meditsinskogo instituta.
(Khabarovsk—SINGERS—DISEASES AND HYGIENE) (RESPIRATORY ORGANS)
(EAR)

4/INDE YU.V.

PHASE I BOOK EXPLOITATION

1072

Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti

Analiticheskiy kontrol' proizvodstva v azotnoy promyshlennosti. Vyp. 9: Kontrol' proizvodstva natriyevoy selitry i nitrita natriya (Analytical Control of Production in the Nitrogen Industry. Nr. 9: Control in Production of Sodium Nitrate and Sodium Nitrite) Moscow, Goskhimizdat, 1958. 47 p. 2,600 copies printed.

Additional Sponsoring Agency: USSR. Ministerstvo khimicheskoy promyshlennosti

Ed.: Lyande, Yu.V.; Tech. Ed.: Zazul'skaya, V.F.

PURPOSE: This book is intended for workers in chemical analysis laboratories of factories producing sodium nitrate and sodium nitrite. It may be used as a textbook for students in tekhnikums and institutes of chemical technology.

COVERAGE: This ninth volume of the general series contains detailed descriptions of methods for controlling the production of sodium *nitrate and sodium nitrite.*
~~Card 1/5~~

..LYANDE, Yu.V.

5(1)

PHASE I BOOK EXPLOITATION

SOV/1306

Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
azotnoy promyshlennosti

Analiticheskiy kontrol' proizvodstva v azotnoy promyshlennosti.
vyp. 10: Analiz stochnykh vod (Analytical Control of Production
in the Nitrogen Industry. No. 10: Analysis of Waste Water)
Moscow, Goskhimizdat, 1958. 115 p. 2,600 copies printed.

Ed.: Lyande, Yu.V.; Tech. Ed.: Zazul'skaya, V.F.

PURPOSE: This book is intended for employees of analytical labora-
tories in plants of the nitrogen industry and for students of
chemistry technology institutes and tekhnikums.

COVERAGE: This tenth issue of the series Analiticheskiy kontrol'
proizvodstva v azotnoy promyshlennosti (Analytical Control of
Production in the Nitrogen Industry) contains unified control
methods applied by the nitrogen industry. These methods were
developed and checked by plant control laboratories and by the

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Analytical Control of Production (Cont.)

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analytical laboratory of GIAP (State Institute of Scientific Research and Design for the Nitrogen Industry). Some of the methods were taken from the literature. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword

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Preface

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DETERMINATION OF PHYSICAL PROPERTIES AND THE TYPE
OF REACTIONS OF WASTE WATERS

DETERMINATION OF SUSPENDED MATTER

Determination of Physical Properties
Determination of temperature
Determination of color

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~~Card 2/9~~

KOZLOV, V.V.; BELOV, B.I.; prinimali uchastii: LYANDE, Yu.V., MALININA,
Ye.K.

Some aspects of the diazotization of aminoanthraquinones. Izv.
vys.ucheb.zav.; khim.i khim.tekh. 2 no.3:374-380 '59.

(MIRA 13:8)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Plekhanova,
kafedra organicheskoy khimii.

(Anthraquinone)

(Diazotization)

MARKOV, S.S.; VALIKOVA, Ye.V.. Primalni uchastiye: KOROLEVA, Z.I.;
DERYABINA, N.V.. LYANDE, Yu.V., red.; ZAZUL'SKAYA, V.F.,
tekhn.red.

[Analytical control of the production in the nitrogen industries,
no.12] Analiticheskii kontrol' proizvodstva v azotnoi promysh-
lennosti. No.12. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry.
Pt.2. [Controlling the production of concentrated nitric acid made
by direct synthesis] Kontrol' v tsekhe proizvodstva kontsentrir-
ovannoi azotnoi kisloty metodom priamogo sinteza. 1960. 226 p.
(MIRA 13:6)

(Nitric acid)

RELI, N.Y.; BLOV, B.I.; LYUDE, Yu.V.; BEMAYVA, Ye.K.

are dyes from 1,4-diaminanthraquinone. Izv.vys.sheb.
zav.;khim.i khim.tekh. 4 no.3:477-481 '61. (MIRA 14:10)

1. Moskovskiy institut narodnogo khozyaystva imeni Plekhanova,
kafedra organicheskoy khimii.

(Azo dyes)
(Anthraquinone)

KASTERINA, Tat'yana Nikolayevna; KALININA, Lidiya Sergeyevna;
STREPIKHEYEV, Yu.A., red.; LYANDE, Yu.V., red.; KOGAN, V.V.,
tekhn. red.; PANTELEYEVA, L.A., tekhn. red.

[Chemical methods of studying synthetic resins and plastics]
Khimicheskie metody issledovaniia sinteticheskikh smol i
plasticheskikh mass. Pod red. IU.A.Strepikheeva. Moskva,
Goskhimizdat, 1963. 284 p. (MIRA 16:7)
(Resins, Synthetic--Analysis)
(Plastics--Analysis)

LYANDE, Yu.V.; CHERKASSKIY, A.A.

Determination of the concentration of cyanuric trichloride.
Zav. lab. 29 no.9:1050-1051 '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley.

LYANDE, Yu.V.; CHERKASSKIY, A.A.

Colorimetric determination of monoethanolamine. Zav. lab. 30 no. 12: 1446-
1447 '64. (MIRA 18:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut organicheskikh
poluproduktov i krasiteley.

GURVICH, Yakov Abramovich; LYANDE, Yu.V., nauchn. red.;
YEVDOKIMOVA, Ye.D., red.

[Industrial training of laboratory assistants of the
chemical and petroleum refining industry; methodological
manual for industrial training foremen¹ proizvodstvenno-
obuchenie laborantov khimicheskoi i neftepererabatyvaiu-
shchei promyshlennosti; metodicheskoe posobie dlia масте-
rov proizvodstvennogo obucheniia. Moskva, Proftekhizdat,
1964. 238 p. (MIRA 17:10)

LYANDERS, Z.A.

GONCHAROVA, M.N., professor; KRYSHOVA, N.A., professor; ~~LYANDERS, Z.A.~~
doktor meditsinskikh nauk; LEVIN, I.M., kandidat meditsinskikh nauk;
GOLOVINSKAYA, N.V., iandidat meditsinskikh nauk; POLONSKIY, M.N.,
kandidat meditsinskikh nauk; GLOTOVA, Ye.I., kandidat meditsinskikh
nauk; ZELENINA, Ye.V., kandidat meditsinskikh nauk

Treatment of children with aftereffects of poliomyelitis. Vop.okh.
mat. i det. 1 no.1:43-52 Ja-F '56. (MLRA 9:9)

1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo
instituta imeni G.I.Turnera, Leningrad.
(POLIOMYELITIS)

LYANDTS, B.K.

Solubility of Oxygen in Molten Iron containing Titanium
B. K. Lyandts and A. A. Zaitsev. (Doklady Akad. Nauk
S.S.S.R., 1953, 101, (2), 325-326). Data are given for 1600° C
and 1650° C with a discussion of the deoxidation mechanism
by titanium.

Metal 2

of

LYANDO, A., dotsent.

The problem of a territorial financial plan in an economic region.
Vop.ekon. no,4:124-127 Ap '57. (MLRA 10:5)

1.Zaveduyushchiy kafedroy Kazanskogo finansovo-ekonomicheskogo
instituta. (Finance)

LYANDO, A.

Consolidate the revenue base of the Union Republics. Fin. SSSR 21
no.9:46-49 S '60. (MIRA 13:9)
(Budget)

LYANDO, A. (Kazan')

Methodology for preparing the planned financial balance of a Union
Republic. Vop. ekon. no.9:130-135 S '63. (MIRA 16:9)
(Finance)

LYANDO, Aleksandr Matveyevich; SLAVNYI I., otv. red.; NADEZHINA, A.,
red.izd-va; TELEGINA, T., tekhn. red.

[Problems of the financial balance of the national
economy; essays on the history and methodology of its pre-
paration] Voprosy finansovogo balansa narodnogo khoziaistva;
ocherki istorii i metodologii sostavleniia. Moskva, Gos-
finizdat, 1963. 191 p. (MIRA 17:2)

LYANDO, A.M.; BOGATKEYEV, Sh.A.

First textbook on the finance of telecommunication. Vest. svyazi
24 no.12:31-32 D '64 (MIRA 18:2)

1. Zaveduyushchiy kafedroy Kazanskogo finansovo-ekonomicheskogo
instituta (for Lyando). 2. Nachal'nik planovo-finansovogo otdela
upravleniya svyazi Tatarskoy ASSR (for Bogateyev).

PA 49/49T37

LYANDO, I. M.

USGR/Engineering
Boilers
Dust Removal

May 49

"Testing the Use of Multicyclones in Boilers
With Layer Combustion of Fuel," I. M. Lyando,
Engr, 1 P

"Za Ekonomiyu Topliva", No 5

Describes effectiveness of the "multicyclone," a
device for separating dust from gases in the com-
bustion process. Stresses necessity for manu-
facture of various types to meet varying needs.

49/49T37

AID P 1203

Subject : USSR/Electricity
Card 1/1 Pub. 29 - 25/27
Author : Lyando, I. M.
Title : Protecting a steam machine from overloading.
(Letters from readers)
Periodical : Energetik, 12, 33, D 1954
Abstract : In reply to a question from a reader, the author explains what arrangements should be applied in order to protect automatically the machine. He gives some titles of books and articles, among others one from the Engineering and Boiler House Review in Russian translation.
Institution : None
Submitted : No date

LYANDU, I. M.

LYANDO, I.M., inzh.

Scientific and technical conference. Prom.energ. 12 no.8:34-35
Prom.energ. 12 no.8:34-35 Ag '57. (MIRA 10:10)
(Leningrad--Steam power plants--Congresses)

LYANDO, I.M.

Amendments to the present "Regulations for the installation
and operational safety of steam boilers," published in 1957.
Prom.enarg. 15 no.4:50 Ap '60. (MIRA 13:6)
(Boilers)

LYANDO, I.M., inzh.

Composite equipment of industrial boilers with furnaces for
burning fuel oil. Avt.dor. 23 no.1:30-37 Ja '60.
(MIRA 13:5)

(Furnaces) (Boilers)

LYANDU, I.M., inzh.

"Fireman in boiler rooms using liquid and gas fuels" by
L.R.Stotskii. Reviewed by I.M. Liando. Prom.energ. 16
no.9:59-61 S '61. (MIRA 14:8)
(Boilers)
(Stotskii, L.R.)

LYANDO, I.M.

Concerning the safety plugs of DKV and DKVR boilers. From. energ.
16 no.12:29-30 D '61. (MIRA 14:12)
(Boilers--Safety-plugs)

LYANDO, I.M., inzh.

Standard networks for the automation of heating and industrial boiler
systems. Prom. energ. 17 no.3:23-27 Mr '62. (MIRA 15:2)
(Boilers)

LYANDO, I.M.

Concerning short-flame fuel burners and the VNII NP-102 additive
for decreasing deposits. Prom.energ. 17 no.7:60-62 JI '62.
(MIRA 15:7)

(Oil burners)

LYANDO, I.M.

Scientific technical conference on the design and construction of
burner systems for natural gas. Prom.energ. 17 no.2:47-48 F
'62. (MIRA 15:3)
(Gas burners)

LYANDO, I.M., inzh.

Mobile fuel oil operated boilers. Prom.energ. 18 no.1:27-28
Ja '63. (MIRA 16:4)
(Boilers)

LYANDO, Iosif Matusovich; MOZHAROV, N.A., red.; BUL'DYAYEV, N.A.,
tekh. red.

[Burning of fuel mazut and gas in industrial boilers]
Szhiganie topochnogo mazuta i gaza v promyshlennykh ko-
tel'nykh. Moskva, Gos.energ.izd-vo, 1963. 206 p.

(MIRA 16:10)

(Boilers--Firing) (Gas as fuel) (Mazut)

LYANDO, I.M.

Mobile water heating boilers for temporary use. Prom.energ.
18 no.2:52 F '63. (MIRA 16:2)
(Boilers) (Water heaters)

LYANDO, I.M., inzh.

Water heating boilers for centralized heating plants. Prom.
energ. 18 no.6&26-31 Je '63. (MIRA 16:7)

(Water heaters) (Boilers)
(Heating from central stations)

LYANDO, I.M.

Display of "Standard boilers for settlements and industrial systems"
at the Exhibition of Achievements of the National Economy of the
U.S.S.R. Prom. energ. 18 no.9:49-50 S '63. (MIRA 16:10)

LYANDO, I.M.

Equipping vertical (stationary) steam boilers operating on gas
with explosion safety valves. Gaz. prom. 10 no.4:22-23 '65.

(MIRA 18:5)

LYANDO, I.M., inzh.

Cleaning of reservoirs by means of ML compounds. *Praca. energ.*
20 no.7:25-26 JI '65. (MIRA 18:12)

ITING, P.M.

Expediency of using low seating planes in 1977 by state, p. 165.
20 no. 10:58 0 165. (MIA: 18:10)

LYANDO, S. N.

25935 Lyando, S. N. Kontrastnoye issledovaniye svishchey ognestrel' nogo proiskhozhdeniya po materialam voyennogo gospitalya za vremya Velikoy Otechestvennoy voyny. Sbornik nauch. rabot lecheb. uchrezhdenny Mosk. voyen okr. Gor'kiy, 1948, s. 318-26.

S0: Letopis' Zhurnal Statey, No. 30, Moscow, 1946

LYANDO, S. N.

25936 Lyando, S. N. Modifitstirovannaya igla (Rekord) dlya fistulografii. Sbornik nauch. rabot lecheb. uchrezhdenny Mosk. voyen. okr. Gor'kiy, 1948, s. 355-56.

S0: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

LYANCO, S. H.

Experience with active prophylaxis of Pulmonary Tuberculosis in a
Garrison.

VOYENNO-METSINSKIY ZHURNAL (MILITARY MEDICAL JOURNAL), No 3, 1955 p. 65

LYANDO, S. N.

SKOTNIKOV, V.M. (Ryazan'); LYANDO, S.N. (Ryazan')

Diagnosis of internal anastomoses of the biliary tract.
Klin. med. 35 no.2:62-64 F '57. (MLRA 10:4)

1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav.-
prof. B.A. Tsybul'skiy) Ryazanskogo meditsinskogo instituta
imeni akad. I.P. Pavlova (dir.-prof. L.S. Sutulov)
(BILE DUCTS, fistula
biliary inter-ductal, diag.)

SKOTNIKOV, V.I.; LYANDO, S.N. (Ryazan')

Comparative evaluation of the tomographic and bronchographic
methods of study in bronchiectasis. Klin.med. no.4:100-104 '62.
(MIRA 15:5)

1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav. -
prof. B.A. Tsybul'skiy) Ryazanskogo meditsinskogo instituta imeni
akademika I.P. Pavlova (dir. - prof. L.S. Sutulov).
(BRONCHIECTASIS) (BRONCHI--RADIOGRAPHY)

LYANDO, V.A.; ALABUZHEV, Yu.A.; SAZONOVA, I.S.; SAZONOV, L.A.

Glass cell with conducting walls for measuring the contact
difference of potentials. Kin.i kat. 3 no.5:794-796 S-0
'62. (MIRA 16:1)

1. Institut kataliza Sibirskogo otdeleniya AN SSSR.
(Catalysis) (Electromotive force)

LYANDON, Yu. N.

Technology

Fundamentals of interchangeability in machine building. Moskva, Gos. nachno-tehn. izd-vo mashinostroit, lit-ry, 1951

Monthly List of Russian Accessions, Library of Congress, June 1952, Unclassified

LYANDON, Yu.N.
LYANDON, Yu.N., dotsent

Application of variable-dimension analysis to the design of
coupling parts. [Trudy] MVTU no.34:5-24 '55. (MLRA 8:10)
(Couplings)

LYANDON Yu. N.

PHASE I BOOK EXPLOITATION

301

Sovremennyye napravleniya v oblasti tekhnologii mashinostroyeniya; sbornik (Modern Trends in the Field of Machine Building Technology; Collection of Articles) Moscow, Mashgiz, 1957. 363 p. 5,000 copies printed.

Gen. Ed.: Gokuna, B.V.; Tech. Ed.: Sokolova, T.F.; Eds.: Acherkan, N.S., Honored Worker in Science and Technology; Boguslavskiy, B.L., Professor; Glizmanenko, D.L., Candidate of Technical Sciences; Rabinovich, B.V., Candidate of Technical Sciences; Rakhshtadt, A.G., Candidate of Technical Sciences; Sasov, V.V., Candidate of Technical Sciences; Storozhev, M.V., Candidate of Technical Sciences.

Managing Ed. for literature on metalworking and machine-tool building, (Mashgiz): Beyzel'man, R.D.

PURPOSE: This book is intended for engineers and technologists in machine building plants and scientific research institutes, as well as for students attending technical vuzes.

Card 1/10

Modern Trends in the Field (Cont.)

301

COVERAGE: This collection of articles reflects the present-day status and trends in the development of machine building technology. It includes materials on problems of manufacturing high-quality machines with a minimum expenditure of labor, featuring high technological precision and high labor productivity based on the automation of technological processes. Basic problems encountered in automation processes as well as in the production of machine parts, starting with modern methods of preparing blanks and ending with machine assembling are clarified. The following topics are discussed at length: problems encountered in founding, cold and hot stamping, welding, powder metallurgy, machining and heat treatment, assembling, electric and ultrasonic methods of machining. Problems related to precision as well as dimension- and technological analysis of machine designs, prospects for the development of defect-detecting methods, interchangeability, and adjustment of production. For references, see Table of Contents.

TABLE OF
CONTENTS:

Foreword

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Modern Trends in the Field (Cont.)

301

Dikushin, V.I., Academician. Problems in the Automation of Machine-building Processes.

7

The article reviews and discusses some of the basic problems encountered in the Soviet machine-building industry as a result of automation or attempts to introduce it. There are no references.

Kovan, V.M., Professor, Doctor of Technical Sciences. Present-day Status and Problems in the Technology of Machining and Assembling.

22

The author stresses the importance of automation and reviews the effect caused by the introduction of progressive automation methods on the labor productivity levels. There are 8 references of which 5 are Soviet and 3 in English.

Balakshin, B.S., Doctor of Technical Sciences, Professor. Use of the "Dimension Chains" Theory in the Development and Completion of Technological and Production Processes.

34

The author shows that proper utilization of basic rules

Card 3/10

Modern Trends in the Field (Cont.)

301

underlying the theory of "dimension chains" may allow for a greater efficiency, especially in calculating and planning automatic lines. There are no references.

Gorodetskiy, I.Ye., Professor, Doctor of Technical Sciences (Deceased). New Tasks in the Field of Technical Measurements. 49

The article describes the strides attained in measurement technology and discusses various aspects of active control. There are no references.

Lyandon, Yu.N., Candidate of Technical Sciences. Present-day Status of the Theory of Calculating Tolerances. 58

The article provides information on geometrical allowances, dimensioning, stresses, kinematic precision, principle of inversion, and analyzes the relationships within the system of allowances. There are 5 references of which 4 are Soviet and 1 German.

Dunayev, P.F., Docent, Candidate of Technical Sciences. Methods and Significance of Dimensional- and Technological Analysis of Machine Parts During Their Construction Process. 80

Card 4/10

KALASHNIKOV, N.A., prof., doktor tekhn.nauk; TAYTS, B.A., prof., doktor tekhn.nauk, red.; LYANDON, Yu.N., dotsent, kand.tekhn.nauk, red.; UVAROVA, A.F., tekhn.red.

[Increasing the accuracy of gear contact measurements] Povyshenie tochnosti izmereniia zubchatykh zatseplenii. Pod red. B.A. Taitsa, IU.N. Liandona. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 159 p.

(MIRA 12:2)

(Gearing)

S/123/60/000/011/001/002
A004/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 11, p. 64,
54960

AUTHOR: Lyandon, Yu. N.

TITLE: Methods and Practice of Determining Permissible Deviations of the
Geometric Shape of Components

PERIODICAL: V sb.: Osnovn. vopr. tochnosti, vzaimozamenyayemosti i tekhn.
izmereniy v mashinostr. Moscow, Mashgiz, 1958, pp. 264-272

TEXT: The author investigates the problem of shape deviation of
cylindric components like journals, pins and rollers, for which errors are
mainly reduced to non-roundness. He presents the diagrams of six standard
shape deviations of a shaft cross-section (ovalness, polyhedral shape etc.)
and suggests a formula to determine the total deviations in the cross and
longitudinal sections, analyzing the whole problem in a cylindrical coordinate
system. Three standard devices are recommended for the recording of shape
deviations: the electromechanical Taylor-Hobson device, the electrodynamic

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S/123/60/000/011/001/002
A004/A001

Methods and Practice of Determining Permissible Deviations of the Geometric Shape of Components

Leitz-Foster profile recorder and the induction micro-profile recorder^u of the NIITavtoprom design. The author reports on the constructional features of these devices and presents micro-profile recordings taken with them. He points out the necessity of standardizing the terminology, magnitudes of deviation and the determination of the rules which would make it possible to manufacture interchangeable components of high-quality machines in a more economical way. ↙

Moreover, the accuracy standards of metal cutting machine tools and the wear of equipment should be revised. The wear of machine tools and devices is mainly of a microgeometric nature, which is connected with the onesided effect of forces on the guides. It is necessary to introduce in mechanical engineering practice, besides dimensional allowances and the class of surface finish established generally according to ГОСТ (GOST), also microgeometric indices. There are 5 figures.

B. I. M.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

AUTHOR: Lyandon, Yu.N., Dotsent SOV/28-58-5-28/37

TITLE: Standardization of the Basic Definitions of Deviations of Shape and Mutual Layout of Surfaces (O standartizatsii osnovnykh opredeleniy *otkloneniy* formy i vzaimnogo raspolozheniya poverkhnostey)

PERIODICAL: Standartizatsiya, 1958, Nr 5, pp 73 - 74 (USSR)

ABSTRACT: The author agrees with L.A. Boldin on the necessity for correlating and unifying the definitions relating to the deviation of shape and layout of surfaces in machine parts but points out examples of unacceptable and inaccurate definitions which Boldin has suggested.

ASSOCIATION: MVTU im. Bauman

1. Drafting--Standards

Card 1/1

LYUBOMIRSKIY, E.I., inzh.; LYANDON, Yu.N., dots.; SATSERDOTOV, P.A., inzh.;
PALEY, M.A., inzh.

Standardizing basic definitions of deviations of shapes and relative
positions of surfaces. Standartizatsiya 22 no.5:72-82 S-0 '58.
(MIRA 11:11)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorazh-
shchikh stankov (for Lyubomirskiy). 2. Moskovskoye vyssheye tekhnicheskoye
uchilishche im. Baumana (for Lyandon). 3. Byuro vzaimozamenyayemosti
Komiteta standartov, mer i izmeritel'nykh priborov (for Satserdotov,
Paley).

(Standards, Engineering)

YAKUSHEV, A.I., prof., doktor tekhn.nauk, red.; VOLODIN, Ye.I., kand.
tekhn.nauk, red.; GANCHEV, N.N., kand.tekhn.nauk, red.; LYANDON,
Yu.N., kand.tekhn.nauk, red.; DOKUNINA, N.A., kand.tekhn.nauk,
red.; KOCHETOVA, G.F., red.izd-va; UVAROVA, A.F., tekhn.red.

[Interchangeability and mensuration in the manufacture of machines;
collected articles of institutions for higher education] Vzaimo-
zameniasmost' i tekhnika izmerenii v mashinostroenii; mezhvuzovskii
sbornik. Pod red. A.I.Iakusheva. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry. No.1. 1959. 232 p. (MIRA 13:4)

1. Moscow. Stankoinstrumental'nyy institut.
(Mensuration) (Interchangeable mechanisms)

LESOKHIN, Artemiy Fedorovich; LYANDON, Yu.N., kand.tekhn.nauk, retsenzent;
MOROZOVA, M.N., inzh., ~~red.~~; ~~TIKHANOV~~, A.Ya., tekhn.red.; UVAROVA,
A.F., tekhn.red.

[Tolerances, fittings and engineering measurements] Dopuski,
posadki i tekhnicheskie izmereniia. Izd.2. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostr.lit-ry, 1959. 355 p. (MIRA 12:10)
(Mechanical engineering) (Mensuration)
(Standards, Engineering)

LESOKHIN, Artemiy Fedorovich; LYANDON, Yu.N., kand.tekhn.nauk, retsenzent;
MOROZOVA, M.N., inzh., red.; TIKHANOV, A.Ya., tekhn.red.; UVAROVA,
A.F., tekhn.red.

[Tolerances, fits, and technical measurements] Dopuski, posadki
i tekhnicheskie izmereniia. Izd.2. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1960. 355 p. (MIRA 13:10)
(Tolerance (Engineering)) (Mensuration)

LYANDON, Yu.N., dotsent, kand.tekhn.nauk

Analysis of integral characteristics of surface roughness. Vzaim.i
tekhn.izm v mashinostr.;mezhevuz.sbor. no.2:416-422 '60.

(MIRA 13:8)

(Surfaces (Technology))

LYANDON, Yu.N., dotsent, kand.tekhn.nauk

Investigating the relationship between dynamic loads and deviations of current dimensions in kinematic pairs of automatic systems. Izv.vys.ucheb.zav.; mashinostr. no.9:174-182 '62. (MIRA 16:2)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

(Automatic control)

BEZHELUKOVA, Ye.F., inzh.; VOROB'YEV, Yu.A., kand. tekhn. nauk;
VORONTSOV, L.N., kand. tekhn. nauk; ZYABREVA, N.N., kand.
tekhn. nauk; LYANDON, Yu.N., kand. tekhn. nauk; TISHCHENKO,
O.F., doktor tekhn. nauk, prof.; FEDOROV, A.D., kand. tekhn.
nauk; YAKUSHEV, A.I., doktor tekhn. nauk, prof.; GOSTEV, V.I.,
inzh., retsenzent; KUBAREV, V.I., inzh., red.; GARANKINA,
S.P., red.izd-va; UVAROVA, A.F., tekhn. red.

[Handbook on allowances, fits, and linear measurements for
inspectors at machinery plants] Spravochnik kontrolera ma-
shinostroitel'nykh zavodov; po dopuskam, posadkam, i lineinym
izmereniam. Pod red. A.I. Iakusheva. Leningrad, Mashgiz,
1963. 723 p. (MIRA 16:5)

(Production control) (Measuring instruments)
(Interchangeable mechanisms)

LYANDON, Yu.N.

Present state of the theory of functional interchangeability of
motion mechanisms. Vvaim. i tekh. izm. v mashinostir. (MIRA 1961)
tekh. sbor. no.4:94-113 '64

KOZYURA, T.G. [Koziura, T.H.]; LYANDRES, A.G. [Liandres, A.H.]

Case of glycogenosis in a 6-year-old child. Ped., akush. i gin. 23
no.6:29-30 '61. (MIRA 15:4)

1. Detskaya bol'nitsa (glavnyy vrach - A.D.Kiyashko), g.Drogobich.
(GLYCOGENOSIS)

7
CA LYANDRES, A.Z.

Effect of impurities in lead-antimony alloys on the functioning of lead storage cells. 1. Anodic corrosion of the alloys. V. P. Mashovets and A. Z. Lyandres. *Zhur. Priklad. Khim.* (J. Applied Chem.) 21, 347-81 (1947). — By detns. of the change of wt., of elec. resistance, and of tensile strength, on 25-day anodic polarization in H_2SO_4 , pure Pb was found to be more resistant to corrosion than Pb alloyed with Sb. The corrosion resistance of Pb-Sb alloys (mostly 5.7% Sb) is increased considerably by an Ag impurity, also by As. There is no very marked harmful effect of Fe. Bi lowers the corrosion resistance, but only in amts. (0.1-1.0%) distinctly higher than those permitted by specifications. Zn and Cd are very harmful, even in extremely low amts. Pb-Ca alloys (> 0.3% Ca) free from Sb are about equiv. to the usual Pb-Sb alloys. N. Thon

M LYANDRES, A-Z.

***Effect of Impurities in Lead-Antimony Alloy on the Functioning of Lead Accumulator Grids. I.—Anodic Corrosion of the Alloys. II.—Investigation of the Kinetics of the Corrosion.** V. P. Mashovets and A. Z. Lyandres (Zhur. Priklad. Khim., 1948, 21, (4), 347-361; (5), 441-447).—[In Russian]. [1.—]

Soviet standards require the use of much purer lead than is usual in other countries; a study has therefore been made of the effect of possible impurities on the corrosion resistance of lead-antimony alloys (containing ~0% antimony) to sulphuric acid. The effect of the simultaneous presence of several impurities was not determined, but the behaviour of pure lead and lead-antimony alloys with up to 11% antimony was investigated. The alloys were cast into comb-shaped objects, which were then broken up into U-shaped specimens; these were tested at ~2.3 months after casting, the which time ageing was practically completed. The specimens were made in a solution in 7N H₂SO₄ with a corroding c.d. of ~1 amp/dm². After ~25 days, the anodic electrical resistance was determined every six days; the corrosion products were removed, the appearance of the surface observed, and the weight, electrical resistance, and tensile breaking load were measured. The results show that pure lead has better corrosion-resistance than the lead-antimony alloys, the attack increasing with increasing antimony content. Silver additions have a markedly beneficial effect (1% silver reduces the corrosion to 1/4 or 1/5); arsenic raises the corrosion-resistance slightly; iron and calcium have little effect; bismuth is harmful only when ~0.01% is present; but even traces of zinc or magnesium are injurious, the corrosion being intercrystalline. Antimony-free lead-calcium alloys also undergo intercrystalline corrosion, and resemble the lead-antimony alloys in their behaviour. The corrosion-resistance of samples of lead withdrawn at various stages in the Harris refining process (treatment with NaOH and KNO₃), and of alloys prepared with various grades of antimony, were also studied. 27 references. [1.—] The corrosion-resistance of the alloys was studied by

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two methods, using $50 \times 20 \times 1.5$ mm. plates: (1) For each alloy, a cell was constructed from one of these plates and a charged, coated positive plate ($45 \times 20 \times 4.5$ mm.) immersed in $7N.H_2SO_4$; when a steady potential was obtained it was allowed to discharge through a 1000Ω resistance for 30 days, the change in current with time being measured. The curves obtained show that pure lead is more resistant than lead-antimony alloy, but the method is not sufficiently sensitive to indicate the influence of the addition elements (Ca, Ag, Au, Bi, Fe, Zn). (2) A charging-discharging method, in which a plate was oxidized anodically for 22 hr. in $7N.H_2SO_4$ with a c.d. of 3×10^{-4} amp./cm.², and with two cathodes of pure lead. The oxidation products were then reduced cathodically in the same solution at 4×10^{-4} amp./cm.², the potential/time curve being recorded until hydrogen evolution began. The duration of the reduction process is a measure of the corrosion-resistance of the alloys, least time being required for the most resistant alloy. The curves confirmed the decreased corrosion-resistance of bismuth and especially zinc; lead-calcium alloy was slightly more stable than lead-antimony alloy. By calculating the surface area of the corrosion products, these results are related to the nature of the coatings produced. For Part III, see *Met. Abs.*, this vol., p. 50.—G. V. E. T.

LYANDRES, A.Z., prof. (Leningrad 66, Aviatsionnaya ul., d.13, kv.182)

Modernized Ducroquet apparatus. Ortop., travm. i protez. 26
no.8:78-79 Ag '65. (MIRA 18:9)

1. Iz Detskogo ortopedicheskogo instituta imeni Turnera (dir.-
prof. M.N. Goncharova), Leningrad.

IYANDRES, D. M.

USSR/Engineering
Turbines
Electric Power Plants

Nov 48

PA 54/49T58
"A New Series of High-Pressure Stationary Turbines of the Khar'kov Turbine Factory Imeni S. M. Kirov," Engr D. M. Iyandres, Laureate of Stalin Prize, D. S. Rozin Engr, 6 pp
"Elek Stants" No 11

New series of turbines designed by Factory Imeni Kirov includes four machines: (1) condensation turbine VK-50 with a power of 50,000 kw at 3,000 rpm, (2) condensation turbine VK-100 with a power of 100,000 kw at

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USSR/Engineering (Contd)

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3,000 rpm, (3) auxiliary turbine VR-25-1 with a power of 25,000 kw at 3,000 rpm with back-pressure of 31 atm and (4) auxiliary turbine VR-25-2 with a power of 25,000 kw at 3,000 rpm with back-pressure of 18 atm. Gives characteristics, dimensions, and parameters, and features of regulation and protection.

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