

S. ROZENTZOL, V.M. (Moskva, pos. Tovo-Gireyevo, 6-y prospekt, d.34);
LEVINSON, O.S.

Perforation of an ulcer of the esophagus into the right common
carotid artery. Vest.khir. no.9:124-125 '61. (MIRA 15 3)

1. Iz khirurgicheskogo otdeleniya (zav. - I.A. Shukhgalter)
Moskovskoy gorodskoy bol'nitsy No.47.
(ESOPHAGUS—ULCERS) (CAROTID ARTERY—ULCERS)

VEL'TMAN, R.P.; ZHUKOVSKIY, L.I.; FONOMAREV, L.Ye.; VEMYAN, A.Zh.;
BENENSON, M.P.; ZALMANENOK, V.S.; KRUPENKO, T.I.; BABICH, Z.Ye.;
GUTMAN, L.B.; ALIMOV, T.U.; YAKUNIN, P.N.; KRYZHANOVSKAYA, N.L.;
AKSEL'DORF, A.L.; MUSINA, S.A.; KLEYF, A.D.; LUTSEVICH, E.V.;
LEVINSON, O.S.; TURBINA, N.S.

Brief reports. Sov. med. 28 no.10:144-148 O '65.

(MIRA 18:11)

1. Kiyevskiy institut tuberkuleza i grudnoy khirurgii (for Vel'tman, Zhukovskiy).
2. 3-ya kafedra khirurgii Tsentral'nogo instituta usovershenstvovaniya vrachey, Moskva (for Ponomarev, Vemyan, Benenson).
3. Kafedra propedevticheskoy terapii Grodnenskogo meditsinskogo instituta i 1-ya klinicheskaya bol'nitsa imeni Solov'yeva, Grodno (for Zalmanenok, Krupenko).
4. Ukrainskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva imeni Buyko, Kiyev (for Babich, Gutman).
5. Klinika gospital'noy khirurgii Andizhanskogo meditsinskogo instituta (for Alimov).
6. Kafedra voyenno-polevoy terapii Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad (for Mitropol'skiy, Latysh, Murchakova).
7. Kafedra urologii I Moskovskogo ordena Lenina meditsinskogo instituta (for Aksel'dorf).
8. 4-ya infektsionnaya klinicheskaya bol'nitsa Ufy (for Musina).
9. Chernovitskaya detskaya oblastnaya klinicheskaya bol'nitsa (for Kleyf).
10. Klinika obshchey khirurgii lechebnogo fakul'teta I Moskovskogo meditsinskogo instituta imeni Sechenova i patologoanatomicheskoye otdeleniye klinicheskoy bol'nitsy No.23 imeni Medsantrud, Moskva (for Lutsevich, Levinson).

(Cont. next card)

VEL'TMAN, R.P.; (Continued) Card 2:

11. Gematologicheskaya klinika Tsentral'nogo ordena Lenina
instituta gematologii i perelivaniya krovi, Moskva (for Turbina).

IZOTOVA, N.P.; MIKHAYLOV, I.A.; LEVINSON, S.Z.

Viscous distillate lubricants from adsorption purification.
Khim. i tekhn. topl. i masel 9 no.6:28-34 Je'64 (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefli i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

ZHERDEVA, L.G.; MIKHAYLOV, I.A.; DEZHENKO, A.D.; CHERCHENKO, N.V.;
LEVINSON, S.Z.; TIMOFYEVA, K.M.

Production of lubricating oils by adsorption refining with a
moving bed of adsorbent. Trudy VNII NP no.7:103-119 '58.
(MIRA 12:10)

(Lubrication and lubricants) (Adsorption)

OROCHED, D.I.; LEVINSON, S.Z.

Layout of equipment for the process of continuous adsorption re-
fining of lubricating oils and other petroleum products. Trudy
VNII NP no. 7:119-145 '58. (MIRA 12:10)
(Petroleum industry--Equipment and supplies)
(Adsorption) (Petroleum products)

MIKHAYLOV, I.A.; IZOTOVA, N.P.; LEVINSON, S.Z.

Adsorption purification of the deasphalting agents of Volgograd oils.
Neftepor. i neftekhim. no.6:7-11 '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

LEVINSON , S. YA.

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SEMEN YAKOVLEVICH

L 45972-66 FWT(1)/EWP(f)/T-2 WN/GD/JXT(CZ)

ACC NR: AT6026434 (N) SOURCE CODE: UR/0000/66/000/000/0083/0091

AUTHOR: Livshits, S. P.; Levinson, T. D. 56
201

ORG: None 2"

TITLE: Results from a study of centrifugal compressor stages

SOURCE: Leningrad. Nauchno-issledovatel'skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya. /Tsentrobeznyye kompressornyye mashiny (Centrifugal compressors). Moscow, Izd-vo Mashinostroyeniye, 1966, 83-91

TOPIC TAGS: centrifugal compressor, compressor stage, diffuser, Euler equation, compressor rotor

ABSTRACT: The authors present some of the results from the studies carried out at the Central Scientific Research Design and Planning Boiler and Turbine Institute im. I. I. Polzunov and by other organizations on centrifugal compressor stages. The authors consider the work done on the circulation factor, the optimum interrelationships of the dimensions in the transient region between the wheel and the diffuser and the use of rotatable diffusers in control systems. Expressions are given for calculating the circulation factor. The equation of Euler is used for calculating pressure, and other expressions are given for σ_u and the correction factor μ . In the case of μ , several formulas are given which were proposed by various authors. The authors pro-

Card 1/2

L 45972-66

ACC NR: AT6026434

pose their own formula for calculating the correction factor μ . Three methods are described for controlling centrifugal compressors: throttling the flow at the intake; twisting the flow at the wheel intake; varying rotor rpm. Of all of these methods, the use of a rotatable diffuser is most economical and efficient for controlling centrifugal compressor operation. The rotatable diffuser uses rotatable intake elements which automatically adjust to the direction of the incoming air stream. Orig. art. has: 5 figures, 9 formulas.

SUB CODE: 13/ SUBM DATE: 08Jan66

Cord 2/2 blg

LEVINSON, V.

Size and shape of asphalt particles in petroleum. Geol.nefti i
gaza 4 no.7:63 Je '60. (MIRA 13:8)
(Asphalt)

LEVINSON, V.B.

Anesthesia with nitrous oxide and oxygen in minor gynecological
operations. Akush. i gin. no.2:120-121'63. (MIRA 16:10)

1. Iz 23-y Gorodskoy klinicheskoy bol'nitsy (glavnyy vrach
A.S.Kokovikhin) Sverdlovskaya i kafedry akusherstva i gineko-
logii (zav. - dotsent Ye.V.Rovikova) Sverdlovskogo meditsin-
skogo instituta.

(GYNECOLOGY, OPERATIVE) (NITROUS OXIDE)
(ANESTHESIA)

LEVINSON, V.B., inzh.; TAUBIN, M.G., inzh.; ITENBERG, S.M., inzh.

Program-controlled electroplating unit. Mekh. i avtom.proizv. 19
no.1:26-28 Ju '65. (MIRA 18:3)

BEVINS, V. G.

"An Outcrop of Sedimentary Paleozoic in the Central Part of the Turgai Strait,"

Dok. AN, 33, No. 1, 1941.

"On the Uplift of the Urals at the Beginning of the Quaternary," *ibid.*, 32, No. 4, 1941.

MARKOS, Gyorgy; PECSI, Marton; SZABO, Lasso; PAVLOV, L.I., [translator];
LAPONOGOV, I.S.; ~~LEVINSOHN, L.G.~~, redaktor fiziko-geograficheskoy
chasti; LATYSHEVA, I.S., redaktor; GERASIMOVA, Ye.S., tekhnicheskiy
redaktor

[The geography of Hungary. Abridged translation from the Hungarian]
Geografia Vengrii. Sokr. per. s vengerskogo L.I.Pavlova, Vstup.
stat'ia I.S.Laponogova, red. fiziko-geog. chasti V.G.Levinsona.
Moskva, Izd-vo inostr. lit-ry, 1954. 245 p. [Microfilm] (MLRA 8:3)
(Hungary--Geography)

BROD, Ignatiy Osipovich; LEVINSOHN, Vitaliy Grigor'yevich; MIRCHINK,
M.F., redaktor; PERSHINA, Ye.G. redaktor; POLOSINA, A.S.,
tekhicheskiy redaktor.

[Origin of oil and petroleum-gas reservoirs; a survey of foreign
literature from the years 1940-1954] Proiskhozhdenie nefi i
neftegazonakoplenie; obzor zarubeshnoi literatury za 1940-1954 ~~gg.~~
Moskva, Gos.nauchno-tekhn.isd-vo ~~mtianoi~~ i gorno-toplivnoi lit-ry
1955. 239 p. (MLRA 8:10)
(Petroleum geology)

LEVINSON, V. G.

USSR/ Geology - Pliocene strata

Card 1/1 Pub. 22 - 39/50

Authors : Levinson, V. G., and Shneyder, G. F.

Title : ~~Podakchagyl'sk stratum~~
: The age and origin of the so-called Podakchagyl'sk stratum of the eastern Caucasus approaches

Periodical : Dok. AN SSSR 100/1, 147-149, Jan. 1. 1955

Abstract : New data are presented on the age and origin of Pliocene strata discovered along the eastern approaches of the Caucasus mountains. Four USSR references (1925-1936).

Institution :

Presented by: Academician N. M. Strakhov, November 5, 1954

LEVINSON, V.G.

Structural and geomorphological studies of the Azov-Kuban depression.
Geol. nefti Supplement to no.8:137-146 '58. (MIRA 11:10)

1. Kompleksnaya yuzhnaya geologicheskaya ekspeditsiya AN SSSR.
(Kuban--Geology, Structural)(Azov region--Geology, Structural)

LEVINSON, V. G., NICHNIK, P. F., MOOD, I. O., VASHIYEV, V. I.,
VIGOREKIY, I. V., GIBLIN, V. B., (SECTION I)

"Principal Regularities in the Distribution of Oil and Gas
Accumulations Throughout the World."

Report submitted at the Fifth World Petroleum Congress, 30 May -
5 June 1959. New York.

BROD, I.O., doktor geol.-mineral.nauk, red.; MIRCHINK, M.F., red.;
MUSTAFINOV, A.N., kand.geol.-mineral.nauk, red.; LEVINSON,
V.G., red.; ISAYEVA, V.V., vedushchiy red.; MUKHINA, E.A.,
tekh.n.red.

[Materials on petroleum geology] Materialy po geologii nefli.
Moskva, Gos.nauchno-tekhn.isd-vo nefi, i gorno-toplivnoi lit-ry.
Vol.2. [European countries and Turkey] Strany Evropy i Turtsiia.
Pod red. I.O.Broda. 1959. 239 p. (MIRA 13:5)

1. International Geological Congress. 20th, Mexico, 1956.
2. Chlen-korrespondent AN SSSR (for Mirchink).
(Europe--Petroleum geology) (Turkey--Petroleum geology)

BROD, I.O., doktor geologo-mineral.nauk, red.; MIRCHINK, M.F., red.;
MUSTAFINOV, A.N., kand.geologo-mineralog.nauk, red.; LEVINSON,
Y.G., red.; KALANTAROV, A.P., vedushchiy red.; FEDOTOVA, I.O.,
tekhn.red)

[Papers on petroleum geology] Materialy po geologii nefi.
Moskva, Gos.nauchno-tekhn.isd-vo nefi. i gorno-toplivnoi lit-ry.
Vol.4. [Asia, Australia, Oceanica, Africa] Azia, Avstraliia,
Okeaniia, Afrika. Pod red. I.O.Broda. 1959. 310 p. (MIRA 12:5)

1. International Geological Congress. 20th, Mexico, 1956.
2. Chlen-korrespondent AN SSSR (for Mirchink).
(Petroleum geology)

BROD, I.O., doktor geologo-mineralog.nauk, red.; MIRCHINK, M.F., red.;
MUSTAFINOV, A.N., kand.geologo-mineralog.nauk, red.; LEVINSON,
V.G., red.; BIKMAN, Yu.K., vedushchiy red.; ZARETSKAYA, I.I.,
vedushchiy red.; KUZ'MINA, N.N., vedushchiy red.; PERSHINA,
Ye.O., vedushchiy red.; SHOROKHOVA, L.I., vedushchiy red.;
POLOSINA, A.S., tekhn.red.

[Materials on petroleum geology] Materialy po geologii nefi.
Moskva, Gos.nauchno-tekhn.isd-vo nefi. i gorno-toplivnoi lit-ry.
Vol.3. [North and South America] Severnaya i Yuzhnaya Amerika.
Pod red. I.O.Broda. 1959. 585 p. (MIRA 12:8)

1. International Geological Congress. 20th, Mexico, 1956.
2. Chlen-korrespondent AN SSSR (for Mirchink).
(America--Petroleum geology)

FEDYNSKIY, V.V., doktor fiziko-matem. nauk, red.; LEVINSON, V.G., kand. geol.-mineral. nauk, red.; TOPCHIYEV, A.V., akad. NAGIYEV, M.F., akad., red.; SHUYKIN, N.I., red.; MIRCHINK, M.F., red.; TREBIN, F.A., doktor tekhn. nauk, red.; SANIN, P.I., doktor khim. nauk; SUKHANOV, V.P., inzh., red.; PANOV, V.V., kand. tekhn. nauk, red.; IONEL', A.G., vedushchiy red.; ZARETSKAYA, A.I., vedushchiy red.; FEDOTOVA, I.G., tekhn. red.

[Reports of the International Petroleum Congress. 5th New York, 1959] Doklady V Mezhdunarodnogo neftianogo kongressa, New York, 1959. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry. Vol.1. [Geology and geophysics] Geologiya i geofizika. Pod red. V.V. Fedynskogo i V.G.Levinsona. 1961. 382 p. (MIRA 14:9)

1. International Petroleum Congress. 5th, New York, 1959. 2. AN Azerbaydzhanskoy SSR (for Nagiyev). 3. Chleny-korrespondenty AN SSSR (for Shuykin, Mirchink).

(Petroleum geology) (Gas, Natural—Geology)
(Prospecting—Geophysical methods)

EROD, Ignatij Osipovich; VYSOTSKIY, I.V., red.; LEVINSON, V.G.,
red.; ZARETSKAYA, A.I., ved. red.

[Fundamentals in the study of oil- and gas-bearing basins]
Osnovy uchenia o neftegazonosnykh basseinakh. Moskva, Izd-
vo "Nedra," 1964. 58 p. (MIRA 17:5)

БРОД, И.О. [deceased]; VASIL'YEV, V.G.; VYSOTSKIY, I.V.; KRAVCHENKO,
K.N.; LEVINSCH, V.G.; L'VOV, M.S.; OLENIN, V.B.; SOKOLOV,
B.A.; YERSHOV, P.R., ved. red.

[Oil- and gas-bearing basins of the earth] Neftegazonosnye
basseiny zemnogo shara. [By] I.O. Brod i dr. Moskva,
Miedra, 1965. 597 p. (MIRA 18:3)

PRATT, Wallace Everett; GOOD, D.; BOROVIK, L.Ya. [translator]; MIKHAYLOVA, V.P.,
[translator]; VOL'SKIY, V.V., red.; LEVINSON, V.G., red. geolog. chasti.

[Geography of petroleum] Geografiya nefi. Sokrashchennyi
perevod s angliyskogo L.Ya. Borovika i V.P. Mikhaylova. Red. i
predisl. V.V. Vol'skogo. Red. geologicheskoy chasti V.G. Levinsona.
Moskva, Izd-vo inostrannoy lit-ry, 1954. 288 p. (MIRA 11:1)
(Petroleum)

LEVINSON, V.I., insh.

Using equipment with hydraulic drives. Mashinostroitel' no.9:12-16
S '57. (MLRA 10:9)

(Machins tools--Hydraulic driving)

LEVINSON, V. N.

Technology

Installation and assembly of shoe machinery, Moskva, Gizlegprom, 1951.

Monthly List of Russian Accessions, Library of Congress, Dec. 1952. Unclassified

LEVINSON, Volic Nuzhimovich, KAFUSTIN, I. I., prof., doktor tekhn. nauk,
Patsent; DUKHOVNIY, F. N., red.

[Arrangement and adjustment of shoe machinery] Ustroistvo
i naladka osuvnykh mashin. Izd. 3., perer. i dop. Moskva,
Legkaia industriia, 1965. 395 p. (MIRA 18:3)

LEVINSON, Vol'f Naueovich, prof.; KAPUSTIN, I.I., prof., retsenzent;
DUKHOVNYI, F.N., red.; KNAKHIN, M.T., tekhn.red.

[Construction and adjustment of shoe machinery] Ustroistvo i
naladka obuvnykh mashin. Izd.2., perer. i dop. Moskva, Gos.
nauchno-tekhn.isd-vo lit-ry po legkoi promyshl., 1959. 345 p.
(MIRA 13:4)

(Shoe machinery)

BASHMAKOV, Viktor Petrovich; DUBININ, Aleksandr Dmitriyevich; LEVINSON,
V.N., prof., doktor tekhn.nauk, retsentsent; RADCHIK, V.S.,
dotsent, kand.tekhn.nauk, red.; TINYANYI, G.D., red.isd-va

[Design of belt and chain transmissions] Raschet i proekti-
rovanie remennykh i tsepnykhperedach. Kiev, Gos.nauchno-tekhn.
isd-vo mashinostroit.lit-ry, 1959. 123 p. (MIRA 13:4)
(Belts and belting) (Chains)

LEVINSON, Vladimir Naumovich; DOBROVOL'SKIY, V.A., prof., doktor tekhn.
nauk, zasluzhennyi deyatel' nauki i tekhniki, retsenzent;
ZAPROZHCHENKO, V.A., inzh., red.; FURER, P.Ya., red.isd-va

[Continuous conveying devices] Transportnye ustroiatva nepre-
ryvnogo deistviia. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.
lit-ry, 1960. 359 p. (MIRA 13:5)
(Conveying machinery)

LEVINSON, V.S.

Measuring the thickness of metal coverings without destroying
the model. Ratsionalizatsiia 14 no.9:18 '64.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 303 - I

BOOK Call No.: IP13205

Author: LEVINSON, YA. I.

Full Title: AERODYNAMICS OF HIGH VELOCITIES (GAS DYNAMICS), SECOND (POSTUMOS)

Transliterated Title: Aerodinamika bol'shikh skorostey (Gazovaya dinamika)

Publishing Data

Originating Agency: None

Publishing House: State Publishing House of the Defence Industry (Oborongiz)

Date: 1950

No. pp.: 352

No. of copies: 20,000

Editorial Staff

Editor: Shumyatskiy, B. Ya.

Tech. Ed.: None

Editor-in-Charge: None

Appraisers: None

Text Data

Coverage: This is a textbook on technical gas dynamics, adapted to the demands of contemporary high-speed aviation, and destined for a wide circle of readers with high school education. The author makes a point in explaining the nature of the physical phenomena, which occurs in high speed flights. Diagrams, graphs, tables, etc.

This is an up-to-date, comprehensive textbook for popular use.

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difference between gases, liquids and solids; thermal motion of molecules.

2. Fundamental gas parameters and the relationship between them: pressure, density, and temperature of gas (the characteristic equation).
3. Change of the state of gases: heat and work; the first law of thermodynamics; heat capacity, the conception of heat transfer.
4. Fundamental processes in gases: processes happening at constant volume, calculation of the internal energy of gases; processes happening at constant temperature; processes happening at constant pressure; processes happening without heat exchange between the gas and the environment; conception of polytropic processes; conception of the second law of thermodynamics, reversible and irreversible processes.

Ch. II The Atmosphere of the Earth

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1. General information
2. Troposphere and stratosphere.
3. International standard atmosphere (ISA).
4. Atmospheric conditions on high altitudes.

Ch. III Sound, Sound Waves, Sound Velocity

64-83

1. Sound and sound waves: what is sound, mechanism of sound propagation; two dimensional and spherical waves.
2. Sound velocity: sound velocity in the gas at rest, Newton's

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formula and Laplace's formula, the dependence of the velocity of sound in a gas from temperature; dependence of the velocity of sound in atmosphere from altitude; the value of gas compression in a sound wave.

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Ch. IV Compressibility of Gases and the Number M

1. Manifestation of the compressibility of gases in aerodynamic phenomena.
2. Large and small velocities
3. The number M.
4. The influence of the altitude of flight on the manifestation of air compressibility.

Ch. V Basic Laws of Gas Movement

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1. Physical models of flows and methods of investigation.
2. The equation of continuity (equation of the uniformity of discharge).
3. Bernoulli's equation.
4. Rapid and medium flows.
5. Incompressible fluid.
6. Application of Bernoulli's equation and of the continuity equation to separate air stream-tubes.

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	2. Drag temperature (temperature in the critical point).	
	3. Heating due to the internal friction of gas in the boundary layer.	
	4. Temperature distribution on the surface of a cylinder.	
	5. Gas-flow temperature measurement.	
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	7. The wear of turbine blades.	
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	2. Measurement of the aircraft speed (flow velocity) with the Pitot tube (nozzle), calculation of the influence of air compression.	
	3. Indicator of the number M.	
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3. Dependence of the sound velocity from the velocity of the gas flow.
4. Critical velocity.
5. Pressure, density and temperature at the sound's critical velocity.

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1. Laval nozzle.
2. Principle of the Laval nozzle work.
3. Possible processes in Laval nozzle.
4. Elementary calculation of the Laval nozzle.
5. The influence of friction on the process of the flow of gases in conduits and nozzles.
6. Application of Laval nozzles in turbines and reaction engines.
7. The Laval nozzle in an uneconomical operation.
8. Additional remarks on nozzle calculation.
9. Passing through the speed of the sound in a pipe of constant diameter.

Ch. X High Speed Wind Tunnels

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1. Working principles and layouts of wind tunnels.
2. Power of wind tunnels, and methods of reducing this power.

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Aerodinamika bol'shikh skorostey (Gazovaya dinamika)

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3. Special features of design of high speed, subsonic, and supersonic wind tunnels, and special features of using them for experimental purposes.
4. Wind tunnels for short operation.

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1. Propagation of weak disturbances in an air flow.
2. Dispersion of disturbances at subsonic flow velocity, and their concentration in supersonic flows. Boundary waves of weak disturbances.
3. Supersonic flow around an outer obtuse angle.
4. Multiple change of direction of a supersonic flow around a convex curved surface.
5. Flow around a concave curved surface, and inside an obtuse angle; appearance of shock waves.
6. Shock waves at the front of the body in a supersonic flow of air, tail end shock waves.
7. Physical nature of shock waves.
8. Analogy with the phenomenon of explosion.
9. Dependence of shock wave losses from the form of the shock wave.

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Aerodinamika bol'shikh skorostey (Gazovaya dinamika)

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 2. Theory of an oblique shock wave.
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1. Local supersonic velocities, and local shock; critical number M.
 2. Change of the diagram of the distribution of pressure on an airfoil.
 3. Determination of the critical number M, according to Khristianovich, S. A., by wind tunnel tests of airfoils at small velocities.
 4. The influence of the profile form and of the angle of incidence on the critical number M.
- Part V. Aerodynamic Characteristics and Aerodynamic Forms of High Speed Aircraft
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1. Formulae of aerodynamic forces and moments.
 2. The influence of compressibility of air on aerodynamic characteristics up to the critical value of number M.
 3. Aerodynamic characteristics of profiles for the number M exceeding the critical value.

LEVINSON, Evgeni Adol'fovich.

(Ornamental glass and its use in architecture) Leningrad, Gos. izd-vo
lit-ry po stroitel'stvu i arkhitekture, 1953. 166 p.

LEVINSON, YEA.

USSR/Miscellaneous

Card 1/1 ; Pub. 104 - 3/14

Authors ; Levinson, E. A., Prof. Memb. Corres. of the Acad. of Architecture, USSR

Title ; Soviet architectural-decorative glass manufacture

Periodical ; Stek. i ker. 10, 5-6, Oct 1954

Abstract ; The history of Russian and Soviet manufacture of architectural-decorative glass since the 4th century is presented.

Institution : ...

Submitted : ...

LEVINSON, E. M. and E. I. VLADIMIROV.

Ustanovka dlia elektroiskrovogo izgotovleniia otverstii malogo diametra.
Leningrad Leningradskoe gazetno-zhurnal'noe i knizhnoe izd-vo, 1950.
49 p. illus.

Device for manufacturing small diameter holes by means of electric
spark technique.

DLC: TJ1250.L4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

25(1)

PHASE I BOOK EXPLOITATION

SOV/1411

Levinson, Ye.M., and Ye. I. Vladimirov

Elektroiskrovyye ustanovki (Electric Spark Apparatus) Moscow, Mashgiz, 1951.
246 p. 8,000 copies printed.

Reviewer: B.N. Zolotikh, Candidate of Technical Sciences; Ed.: L.M. Reznitskiy, Candidate of Technical Sciences; Tech. Ed.: Ye.A. Dlugokanskaya; Managing Ed. for Literature on Machine-building Technology (Leningrad Division, Mashgiz): I.S. Terent'yev, Engineer.

PURPOSE: This book is intended for personnel of industrial plants, scientific research and design institutes and for students of vuzes.

COVERAGE: The authors discuss problems on the design and manufacture of apparatus for electric-spark machining of metals and provide the necessary information for selection of appropriate electric circuits and operating conditions. They also furnish descriptions and technical characteristics of electric-spark apparatus. The authors claim that the electric-spark method of machining metals was discovered by Soviet scientists B.R. and N.I. Lazarenko. The lack of tech-

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Electric Spark Apparatus

SOV/1511

nical literature on the design of electric-spark equipment, however, has retarded the introduction of this new method. The present work is an attempt to meet this need. The growing demand for electric-spark equipment can no longer be met by single-unit production and there now exists a sharp need to organize lot production of this equipment. The book is based on the experience of the authors in the design and manufacture of electric-spark equipment at the Leningradskaya lesotekhnicheskaya akademiya imeni M.S. Kirov and the Leningradskiy karbyuratornyy zavod imeni V.V. Kuybyshev. There are 10 Soviet references.

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JP/fal
5-5-59

Card 4/4

Levinson, Ye. M.

GUTKIN, B.G., kand.tekhn.nauk; GUSEV, V.H., laureat Satlinskikh premiy
inzh., retsenzent; ~~LEVINSON, Ye. M.~~ inzh., retsenzent; LOMACHENKOV,
S.Ye., inzh., red.; POL'SKAYA, R.G., tekhn.red.

[Automatization of electric-spark and electrolytic-mechanical tools]
Avtomatizatsiia elektroskrovykh i anodno-mekhanicheskikh stankov.
Moshkva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1952. 226 p.
(Electric controllers) (MIRA 11:2)
(Electric cutting machinery)

SLUTSKIY, M.Ye; YAKOVLEV, O.N.; ANDREYEV-RYBAKOV, L.I.; ROMANOVSKIY,
V.P., kandidat tekhnicheskikh nauk, dotsent, redaktor; LEVINSON,
Ya.M., inzhener, redaktor; NIKITIN, P.S., inzhener, redaktor;
SOKOLOVA, L.V., tekhnicheskiy redaktor.

[Electromagnetic stamping presses] Elektromagnitnye shtampovo-
chnye pressy. Pod obshchei red. V.P. Romanovskogo. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 21 p.
(Bibliotekha shtampovshchika no.11) [Microfilm] (MLRA 8:10)
Sheet metal work) (Magnetolectric machines)

LEVINSON, Ye. M.,

"Industrial Types of Electrospark Equipment," Elektroiskrovaya obrabotka metallov
(Electrospark Machining of Metals), Moscow, Izd-vo AN SSSR, 1957. page 159.

Contemporary industrial electrospark machining equipment is designed to perform three main operations: 1) machining of hollow parts and cutting of holes 2) grinding of surfaces 3) cutting (slitting) of metals. This article describes and gives technical specifications of 11 different types of electrospark equipment manufactured by the Leningrad Carburetor Plant imeni Kuybyshev for machining steel and hard alloys. Detailed information about each machine and a list of operations which may be performed are presented.

PHASE I BOOK EXPLOITATION 701

Levinson, Yevgeniy Maksimovich

Elektroiskrovaya obrabotka metallov (Electric Spark Machining of Metals)
[Leningrad] Lenizdat, 1957. 185 p. 3,000 copies printed.

Ed.: Yemel'yanova, Ye.V.; Tech. Ed.: Rodchenko, N.I.

PURPOSE: This book is intended for engineers and engineering technicians interested in electrospark machining of metals.

COVERAGE: The author presents the basic principles and techniques of electrospark machining of metals in a condensed and accessible form. The fundamentals of spark erosion of metals and the basic principles for construction of various types of spark cutting machines are presented. The book contains technical data and numerous pictures and diagrams of various types of spark cutting machines and their components. There are 22 references, of which 20 are Soviet, 1 German, and 1 English.

Card I/4

LEVINSON, Ye.M.

Industrial designs of electric-spark machining units. Trudy
TSNII-ELEKTROM no.1:159-175 '57. (MIRA 11:12)
(Electric cutting machinery)

LEVINSON, Yevgeniy Maksimovich; ACHKINADZE, Sh.D., inzh., red.; FRIGER,
D.P., tekhn.rsd.

[Present state of electric spark machining of metals; a survey]
Sovremennoe sostoyanie elektroiskrovoi obrabotki metallov; obzor.
Leningrad, Leningr.dom nauchno-tekhn.propagandy, 1958. 105 p.
(MIRA 12:12)

(Electric metal cutting)

PHASE I BOOK EXPLOITATION SOV/3901

Novoye v elektricheskoy i ul'trazvukovoy obrabotke materialov (New Developments in Electrical and Ultrasonic Machining of Materials) [Leningrad], Lenizdat, 1959. 281 p. 5,000 copies printed.

Ed. (title page): L.Ya. Popilov; Ed. (inside book): S.I. Borshchevskaya; Tech. Ed.: P.S. Smirnov.

PURPOSE: This book is intended for technical personnel and production workers.

COVERAGE: This is a collection of 20 articles presented at the Third All-Union Conference of the Scientific and Technical Society of the Machine Industry on Electrical and Ultrasonic Machining of Metals, held in Leningrad. The articles deal with the latest achievements in the field of electrical and ultrasonic machining of metals. New methods of machining presently being developed are described. References follow several of the articles.

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New Developments (Cont.)

SOV/3901

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Lev, V.S. <u>Some Circuits of Automatic Controllers for Electric-Spark Machines</u>	60
Livshits, A.L., S.S. Podlazov, A.T. Kravets, and A.I. Aronov. <u>Some Problems in the Technology and Design of Machines for Electroerosion Machining of Metals</u>	67
Rogachev, I.S. <u>Electric-Pulse Generators of Unipolar Pulses for Electroerosion Machining of Metals</u>	109
Machikhin, L.Ya. <u>Electrical-Pulse Machining of Forging-Die Grooves</u>	115
Ryabinok, A.G. <u>Intensity of Metal Removal and Surface Quality in Electrolytic Machining of Carbides</u>	134

Card 2/4

PHASE I BOOK EXPLOITATION

SOV/5289

Akademiya Nauk SSSR. Tsentral'naya nauchno-issledovatel'skaya laboratoriya elektricheskoy obrabotki materialov.

Elektricheskaya obrabotka metallov (Electric-Spark Machining of Metals) no. 2. Moscow, Izd-vo AN SSSR, 1960. 262 p. Errata slip inserted. (Series: Itz: Trudy) 6,000 copies printed.

Sponsoring Agency: Akademiya Nauk SSSR.

Repp. Ed.: B. R. Izarenko; Ed. of Publishing House: J. M. Mozhaiskiy; Tech. Ed.: A. P. Guseva.

PURPOSE: This collection of articles is intended for process engineers, and technical and research personnel engaged in the working of metals.

COVERAGE: Problems concerning the most effective application of electric-spark methods in industry are reviewed. Possible future developments in the field of electric-spark machining and its automation are discussed, and, for instances of its present utilization in industry, the technical-economic effectiveness of the process is examined, and the equipment involved is described. The relationship between the parameters of electric-spark pulses and the production characteristics (productivity, machining accuracy, and surface quality) of electric-spark machining is established. An electric-spark method is described for the curvilinear cutting of materials with a 20 to 30 microns-thick wire, thus directly producing a finished part. Non-Soviet developments in the field of electric-spark machining are also treated. No personalities are mentioned. There are 121 references: 62 Soviet, 20 English, 10 French, 8 German, and 1 Italian. These references accompany individual articles.

Zolotykh, B. M., and I. P. Karobova. Selecting Optimum Regimes for Electric-Spark Machining of Sintered-Carbide Alloys 114

Gatverikov, S. S., and M. K. Potyayev. Electric-Spark Machining of the Cutting Elements of High-Carbon-Alloy Blanking Punch-Die Sets 120

Gul'aryan, K. K. The Electric-Spark Method Applied to Threading 142
Kholodov, Ye. V. Manufacture of Precision Tools by the Electric-Spark Method 156

Gul'aryan, K. K., and V. L. Kravchenko. Manufacture of Complex-Shaped Machine Parts by Using a Program-Controlled Electric-Spark Machining Unit 179

Aleksandrov, V. P., and B. M. Zolotykh. Selecting the Optimum Procedures for Electric-Spark Machining of Nickel-Base Heat-Resistant Alloys 196

Gorbunov, B. M. Electric-Spark Lapping Used on Flour-Mill Rolls 205

Pron'ko, O. P. Manufacture of Stainless and High-Manganese Steel Parts by the Electric-Spark Method 217

Ayzenshtok, V. L., and S. I. Komanar. Electric-Spark Machining of Mass-Produced Parts 227

Levinson, Ye. M. The Development of Electric-Spark Machining in Mass Production 233

Card 3/5

S/735/60/000/000/003/003
AOC#/A127

AUTHOR: Levinson, Ye. N.

TITLE: The application of electrosparking in tool manufacture

SOURCE: Novoye v instrumental'nom proizvodstve. Comp. by I. G. Kosmachev.
(Leningrad) Lenizdat, 1960, 130 - 146

TEXT: The author presents a detailed report on electrosparking operations, particularly of sintered carbides, which, in comparison with other machining methods, he considers as being in every respect superior. A description of the specific character of the electrosparking of cermet carbides is given, considering the fact that these carbides are characterized by a low heat conductivity and brittleness, and tend to the formation of cracks. In electrosparking the origination of cracks depends on the duration of the current pulse passage, and in numerous tests it was found that pulses of 10 - 20 microseconds duration were the most favorable. A high intensity of sintered carbide removal is attained with new pulse generators of high or lower power. Good results are obtained with an appropriate equipment. Electrode tools which are made with the proper accuracy

Card 1/2

S/T30/60/000/000/003/003

The application of electrosparking in tool manufacture ACO4/A127

and particularly with relaxation-type electrosparking equipment. Since the surface finish of the sintered carbide parts even under the most favorable conditions does not exceed $\nabla 8$, it is necessary, for high-precision dies, etc., to make use of complex machining methods, i.e. abrasive or ultrasonic machining after electrosparking. The author then describes in detail a number of electrosparking operations, e. g. the profiling of sintered carbide tangential tools, threading of sintered carbide bits, cylindrical grinding and grinding of holes, machining of sintered carbide dies, and presents details on the equipment and the devices used in these electrosparking operations. There are 16 figures and 1 table.

Card 2/2

LEVINSON, Yevgeniy Maksimovich; LEV, Vladimir Saulovich;
POPILOV, L.Ya., red.; KUREPINA, G.N., red. izd-va;
POL'SKAYA, R.G., tekhn. red.

[Electric spark machining of metals] Obrabotka metallov
impul'sami elektricheskogo toka. Pod obshchei red. L.IA.
Popilova. Moskva, Mashgiz, 1961. 92 p. (Bibliotekha elektro-
tekhnologa i ul'trazvukovika, no.2) (MIRA 15:5)
(Electric metal cutting)

LEVINSON, Yevgeniy Maksimovich; BORSHCHEVSKAYA, S.I., red.; POL'SKAYA,
R.G., tekhn. red.

[Electric spark machining of metals] Elektroeroziionnaia ob-
rabotka metallov. Leningrad, Lenizdat, 1961. 183 p.
(MIRA 15:4)

(Electric metal cutting)

ZYBAYLO, Aleksey Vasil'yevich; SHEVELEV, A.G., inzh., retsenzent; LEVIN-
SON, Ye.M., inzh., red.; RADAYEVA, Z.A., red. izd-va; EL'KIND, V.D.,
tekh. Fed.

[Organising preliminary activities in the mass manufacture of machinery]
Organizatsiia podgotovki proizvodstva v massovom mashinostroenii. Mo-
skva, Gos. nauchno-tekh. izd-vo mashinostroit. lit-ry, 1961. 234 p.
(MIRA 14:9)

(Factory management)

"APPROVED FOR RELEASE: 07/12/2001

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CIA-RDP86-00513R000929620003-0"

ACC NR: AP5024430 SOURCE CODE: UR/0286/65/000/015/0140/0140

INVENTOR: Levinson, Ye. M.

ORG: none

TITLE: A device for electrospark machining of spherical cavities.
Class 49, No. 173591.

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 140

TOPIC TAGS: metal machining, electrospark machining, spheric cavity machining, cavity machining device

ABSTRACT: This Author Certificate introduces a device for electrospark machining of spherical cavities. To compensate for the wear of the electrode-tool, and thus improve the precision of machining, a disk-shaped tool is provided with radial slots in which movable working elements are fitted. With each turn of the disk, rotated by an individual motor, the working elements are pushed in the radial direction by springs to a preset calibration stop. Orig. art. has: 1 figure.

[MS]

SUB CODE: IE/ SUBM DATE: 05Feb63/ ORIG REF: 000/ OTH REF: 000/

ATD PRESS: 4131

Card 1/1 UDC: 621.9.018.5.002.54

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ACC NR: AP6005321

(A, N)

SOURCE CODE: UR/0407/65/000/003/0083/0088

AUTHOR: Levinson, Yo. M. (Leningrad)

ORG: none

TITLE: Some new constructions of precision electrospark machines and their assemblies

SOURCE: Elektronnaya obrabotka materialov, no. 3, 1966, 83-88

TOPIC TAGS: electrospark machining, drilling machine / Lenkarz 200 drilling machine, Lenkarz 150 drilling machine

ABSTRACT: Two electrospark "drilling" machines developed by the Leningrad Carburetor Plant im. Kuybyshev are described. Intended for making 20--100- μ holes in small metal parts, the model-200 machine has these characteristics: supply, 220 v, 0.1 kw; maximum work-piece size, 100 x 65 mm; maximum table-liquid distance, 15 mm; table surface, 70 x 50 mm; weight, 15 kg. Intended for making 0.15--0.5-mm holes in small metal plates, the model-150 machine has these characteristics: supply, 3-phase 380 v, 0.8 kva; productivity, 65 holes 0.3-mm diameter 0.6-mm deep per hour; head travel, longitudinal 200 mm, transverse 100 mm; error in hole position, ± 0.003 mm; error in hole diameter, 0.005 mm; weight, 600 kg. Also precise automatic feed controllers are briefly described, and their technical characteristics given. Orig. art. has: 6 figures and 1 table.

SUB CODE: 13, 09 / SUBM DATE: none

Card 1/1

MESHALKIN, Ye.N. MESHALKIN, I.N.; KELIN, Ye.P.; LEVINSON, Yu.M.;
SEMENOV, A.A.

Comparative evaluation of mitral commissurotomy performed with
the finger or instruments according to data on the decrease of
the diastolic gradient during an operation. Trudy Inst. klin.
i eksp. khir. AN Kazakh. SSR 9:15-19 '63. (MIRA 17:12)

MESHALKIN, I.N.; MIKAYELYAN, A.L.; LEVINSON, Yu.M.

Ruptures of the left auricular appendage and atrium of the heart during
mitral commissurotomies. Vop. pat. i reg. org. krov. i dykh. no.1:257-
263 '61. (MIRA 18:7)

MESHALKIN, Ye.N., prof.; MESHALKIN, I.N., starshiy nauchnyy sotrudnik;
KELIN, Ye.P., kand.med.nauk; LEVINSON, Yu.M., mladshiy nauchnyy
sotrudnik

Emergency mitral commissurotomy as a therapeutic method in acute
pulmonary edema in patients with mitral stenosis. Kardiologiya
2 no.5:11-15 8-0 '62. (MIRA 15:12)

1. Iz Instituta eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR (dir. - prof. Ye.N.Meshalkin).
(MITRAL VALVE--SURGERY) (PULMONARY EDEMA)

MESHALKIN, Ye.N.; MESHALKIN, I.N.; LEVINSON, Yu.M.; KELIN, Ye.P.

Mitral commissurotomy by extra-auricular approaches in
left thoracotomy. Zdrav. Kazakh. 22 no.9:7-11 '62.

(MIRA 17:2)

1. Iz Instituta eksperimental'noy biologii i meditsiny
Sibirskogo otdeleniya AN SSSR (dir. - laureat Leninskoy
premi, prof. Ye.N. Meshalkin).

MESHALKIN, Ye.N., prof. (Novosibirsk, ul. Potanina, d.23, kv.1); MESHALKIN,
I.N.; LEVINSON, Yu.M.; VAYNBAUM, Ya.S.; SEMENOV, A.A.

Surgical treatment of mitral stenosis. Vest.khir.90 no.2:
70-75 F'63. (MIRA 16:7)

1. Iz Instituta eksperimental'noy biologii i meditsiny (dir.
prof. Ye.N.Meshalkin) Sibirskogo otdeleniya AN SSSR.
(MITRAL VALVE—SURGERY)

LEVINSON-GOFMAN, V.I.

Evaluation of the agglutination reaction in dysentery in children. Zhur. mikrobiol. epid. i immun. 27 no.2:72-76 P '56.
(MLRA 9:5)

1. Is Dnepropetrovskoy detskoy bol'nitsy.
(DYSENTERY, BACILLARY, in inf. and child
agglutination reaction in diag.)
(AGGLUTINATION
agglut. reaction in dysentery in child)

IZRALIMSKIY, A.S.; SMIRNOVA, T.V.; KRYLOVA, V.P.; LEVINSON-GOPMAN, V.O.

Excretion in children of serologically pathogenic types of *Escherichia coli*; author's abstract. Zhur.mikrobiol.epid. i immun. 29 no.2:110
F '58. (MIRA 11:4)

1. In Dnepropetrovskogo instituta epidemiologii, mikrobiologii i gigiyeny
ineni Gamalei i Detskoy gorodskoy klinicheskoy bol'nitsy.
(*ESCHERICHIA COLI*,
excretion in child. of pathogenic strains (Rus)

1939

LEVINSON-LESSING, F.Yu. [Loewinson-Lessing, F.IU.]; STRUVE, E.A.;
PETROV, R.P.; DEMIN, A.M.; BORSUK, A.M.; YEZHOV, A.I.;
AFANAS'YEV, G.D., red.; PETROV, V.P., red.; USTIYEV, Ye.K.,
red.; VLASOVA, L.V., red. izd-va; SAMARCHYAN, L.M., red.
izd-va; SMIRNOVA, Z.A., red.izd-va; GUROVA, O.A., tekhn.
red.

[Dictionary of petrography] Petrograficheski slovar'. Pe-
rer. i dop. R.P.Petrovym i dr. Pod red.G.D.Afanas'eva, V.P.
Petrova i E.K.Ustieva. Moskva, Gosgeoltekhizdat, 1963. 447 p.
(MIRA 16:6)

(Russian language--Dictionaries)
(Petrology--Dictionaries)

*Geography - Izv. AN AZ SSR, Ser. geol.-geog. nauk i
nefti, no. 3 p. 3 1961*

LEVINSON, I.

SEE: LEVINSON, I. B.

NEGOIU, D.; VASILESCU, C.; LEVINTA, V.

Colorimetric determination of osmium with p-anisidine.
Studia Univ B-B S. Chem 8 no.1:27-30 '63

1. Bucharest University.

310 ✓ The effect of methods of culture on the formation of amylolytic and proteolytic enzymes of *Aspergillus oryzae*. R. Ya. Kalashnikov, D. B. Lifshits, B. M. Levinson, and T. I. Trubina. *Trudy Ukr. Nauch. Tekhnol. Inst. Pishch. Khim. 1954, No. 1, 3-12*; *Referat. Zhur. Khim., Bid. Khim. 1955, No. 8218*. Expts. were conducted under both laboratory and practical conditions. Moist sterile wheat bran was used as the medium and an active strain of *A. oryzae* as the inoculum. From the 10 to 24 hr. period of incubation at temperatures up to 44-46° is a period of intensive mold growth. This favorable growth has no effect on the enzymic activity of the mold prepns. The moisture content of the medium proved to be a factor of considerable importance; the optimum was 60% in the laboratory and 52% under production conditions. The drying up of the medium even under conditions of aeration with moist air constituted a serious hindrance. This can be corrected by the appropriate addition of sterile moisture. B. S. L.

111
111

✓ The synthesis of amylolytic and proteolytic enzymes in culture of *Aspergillus oryzae*. E. Ya. Kalashnikov, D. B. Lifshits, L. M. Levintan, and T. I. Tralmina. *Trudy Ukrain. Nauch.-Issled. Inst. Pishchev. Prom.* 1954, No. 1, 13-17; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 13324.

ND — In testing the material for enzyme potency the entire medium and mold growth was dried at 40-45°. The prepous. obtained by culturing the mold at 24° for 48 hrs. had a proteolytic activity 1.5-3 times as potent as the one obtained at 30°. No difference in the potency of the amylolytic activity could be demonstrated. B. S. Levin.

LEVINTAN, Yu.M., agronom-ekonomist

Present state and effectiveness of the use of new irrigation practices in the U.S.S.R. Gidr.1 mel. 14 no.3:3-8 Mr '62. (MIRA 15:4)

1. Vsesoyuznyy gosudarstvennyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut Ministerstva sel'skogo khozyaystva SSSR.

(Irrigation)

LEVINTANUS, Yu.; FAYNLBYB, S.

Work of the bureau of goods analysis. Sov. torg. no.7:49-52 J1 '57.
(Quality control) (MLRA 10:9)

AKHMETOV, I.G.; LEVINTER, M.Kh.

Contact tar cracking. Khim.i tekhn. topl.i masel 6 no.1:32-37 Ja
'61. (MIRA 14:1)

(Coal-tar products) (Cracking process)

LEVINTER, M.Kh.; GALIMOV, Zh.F.

Transfer of a bead catalyst in a continuous flow. Khim.i tekhn.
topl.i masel 6 no.9:20-26 S '61. (MIRA 14:10)

1. Ufimskiy neftyanoy institut.
(Catalysts)

LEVINTER, M.Kh.; IVANOVSKIY, G.F.; SMIRNOV, N.P.; GALIMOV, Zh.F.; GALINICH,
Ye.T.

Remolding of catalytic cracking units using a spherical catalyst.
Khim.i tekhn.topl.i masel 6 no.4:1-6 Ap '61. (MIRA 14:3)

1. Upravleniye nerudnykh iskapayemykh i Novo-Ufimskiy nefteperera-
baytvayushchiy zavod.

(Cracking process)

(Catalysts)

KAGANOV, S.A.; LEVINTER, M.Kh.; MEDVEDEVA, M.I.

Kinetics of asphaltene coking. Khim.i tekhnopl.i masel 7
no.7:38-43 JI '62. (MIRA 15:9)
(Asphaltenes) (Carbonization)

LEVINTER, M. Kh.; GALIAKBAROV, M.F.

High-speed method for the production of bitumen from petroleum residues by oxidation under pressure. Khim i tekhn. topl. i masel 9 no.3:32-36 Mr'64 (MIRA 17:7)

AKHMETOV, I.G.; LEVINTER, M.Kh.; MOROZOV, B.F.

Calculating the material balance of light thermal cracking.
Neftepr. i neftekhim. no.5:12-17 '63. (MIRA 17:8)

1. Ufimskiy nauchno-issledovatel'skiy institut neftekhimicheskoy
promyshlennosti i Ufimskiy neftyanoy institut.

SAPRONOV, V.A.; KURPICHEVA, T.N.; TUKAREVA, L.T.; CHAVCHICH, T.A.;
LEVIT, G.M.; BORODUSHKINA, Kh.N.; BOGUSLAVSKIY, D.B.

Effect of some formula and technological factors on the quality
of butyl rubber diaphragms for the forming and vulcanizing
equipment. Kauch. i rez. 23 no.5:14-19 My '64.

(MIRA 17:9)

1. Dnepropetrovskiy shinnyy zavod.

MORZOV, B.F.; GAIHANI, Ye.T.; ISVITER, N.Ye.; SIMAYEV, R.N.

Ways of reducing the consumption of catalyats in the cracking of heavy crudes. Khim. i tekhn. topl. i masel 10 no.9:14-17 3 '69.

(MIRA 18:9)

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