

YEPIFANOVA, V.I., kandidat tekhnicheskikh nauk; GORSHKOV, A.M., dotsent.

The KTK-12,5 oxygen turbocompressor. Kislород 10 no.2:10-15 '57.
(Oxygen--Industrial applications) (Compressors) (MLRA 10:9)

YEPIFANOVA, V.

5-

Paper presented at St. Vladimir, DDR, at
Fachausschuss Krafttechnik Energie des
Kammer der Technik, 19-20 Feb. 1959.

[Faint, mostly illegible German text, likely a technical paper or report. The text is arranged in several columns and appears to be a scanned document with low contrast.]

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| SOURCE Dis. Technol., Jan 59, East. | NUMBER 100 | DATE 1959 |
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"Low Temperature Expansion Turbines."

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

14(1) 10(7)
AUTHOR:SOV/67-59-6-3/26
Yepifanova, V. I., Candidate of Technical Sciences

TITLE:

Considering the Real Character of a Gas in Calculation of the
Nozzle Apparatus of an Expansion Turbine

PERIODICAL:

²³ Kislorod, 1959, Nr 6, pp 23 - 28 (USSR) ²³

ABSTRACT:

In order to consider the real character of a gas in calculating the critical pressure condition, the highest flow density, the velocity of gas in the nozzle cross section, etc, the introduction of the compressibility coefficient z into the equations for the ideal gas is recommended and calculated. First it is shown that the value for k obtained usually in the set of equations $pV=RT$, $pV^k=\text{const}$, $T^{k/k-1}/p=\text{const}$, can not be used for all sections of the diagram z, p and z, Z . The compressibility coefficient in $pV=zRT$ should be considered as a standard measure for the difference of the real from the ideal gas. z is determined from the diagrams mentioned (Figs 1,2,3). Equations are set up for specific constant values of z in which case again the equations for ideal gases may be used as follows: $pV=zRT$, $pV^k=\text{const}$, $T^{k/k-1}/p=\text{const}$ and ✓

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Considering the Real Character of a Gas in Calculation of the Nozzle Apparatus of an Expansion Turbine SOY/67-59-6-3/26

$\Delta i / \Delta T = [k/(k-1)] AzRT$. Assuming $z=0.92$, $k=1.406$ which shows that the value $k=1.4$ may be used for the usual calculation, only in special cases such as in the case of damp vapor, z must be introduced. Further, the general formula for an isentropic process is set up, and the determination of z from diagrams is explained. The diagrams were drawn at the VNIKIMASH. There are 5 figures, 1 table, and 5 references, 3 of which are Soviet.

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14(1)

SOV/67-59-5-25/30

AUTHORS: Yepifanova, V. I., Candidate of Technical Sciences,
Kochergin, V. V., Engineer

TITLE: From a Trip to the German Democratic Republic

PERIODICAL: Kislorod, 1959, ¹²Nr 5, pp 58-59 (USSR)

ABSTRACT: In February, 1959, Soviet oxygen experts had traveled to the German Democratic Republic where they participated in a scientific and technical conference on refrigeration convened annually by the Chamber of Technology. 8 papers were read before the conference, inter alia a paper by V. I. Yepifanova, Candidate of Technical Sciences: Oxygen Turbo-compressors of the Types KTK-12.5 and KTK-7. After the end of the conference the participants were given the opportunity of visiting individual departments in specialized enterprises of oxygen apparatus and machinery, namely the designing office and plant for refrigerating units and machines at Wurzen: oxygen plants, compressors, leakproofing material, plunger pumps. At this plant high-performance air cooling units for compressors are manufactured and used. Furthermore, they made a field trip to the Rudisleben plant for chemical machinery. At this plant air separators for

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From a Trip to the German Democratic Republic

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oxygen in gaseous state are built among many other chemical apparatus. A particular feature is the use of two different steel types for the warm and cold ends of the unit. Experiments are being conducted at this plant as to the use of aluminum for adsorbers. The third plant visited was the Leuna plant. Of the activities of this plant particular mention is made of the preparation of argon and krypton as well as of the gas analysis methods based on chromatography.

✓

Card 2/2

YEPIFANOVA, V. I., kand.tekhn.nauk; GORSHKOV, A. M., inzh.

Experience in designing high-speed oxygen turbocompressors.
Trudy VNIIMASH no.3:3-10 '60. (MIRA 13:9)
(Turbomachines) (Compressors) (Oxygen)

YEPIANOVA, V. I., kand.tekhn.nauk

Designing nozzles for turboexpanders with the aid of gas dynamic functions. Trudy VNIIMASH no.3:73-84 '60. (MIRA 13:9)
(Gas turbines)

YEPIFANOVA, Vera Ivanovna; POLIKOVSKIY, V.I., doktor tekhn. nauk,
retsenzent; STRAKHOVICH, K.I., prof., retsenzent; KONDRYAKOV,
I.K., dots., retsenzent; KARGANOV, V.G., inzh., red.;
SOKOLOVA, T.F., tekhn. red.; CHERNOVA, Z.I., tekhn. red.

[Low-temperature radial turboexpanders] Nizkotemperaturnye
radial'nye turbodetandey. Moskva, Mashgiz, 1961. 399 p.
diags. (MIRA 15:3)

(Turbomachines)

DAVYDOV, A.B., inzh.; YEPIFANOVA, V.I., kand.tekhn.nauk

Comparing various methods for the control of the refrigerating
capacity of turboexpanders in low pressure oxygen plants.
Khim.mash. no.4:13-16 JI-Ag '62. (MIRA 15:7)
(Oxygen) (Refrigeration and refrigerating machinery)

DAVYDOV, A.B., Inst.; EPIFANOV, V.I., kand. tekhn. nauk

Evaluating the efficiency of turbo-expanders in large plants
for the production of gaseous oxygen. Trudy VNIKIMASH
no.5:3-29 '62. (MIRA 18:3)

YEPIFANOVA, V.I.; doktor tekhn. nauk; DAVYDOV, A.B., kand. tekhn. nauk

Some results of the studies of turbine expansion engines. Khim.
i nef. mashinostr. no.6:12-15 D '64 (MIRA 18:2)

YEPIFANOVA, V. I. and CHERNYSHOV, B. A. (Scientific Research Institute)

"Stirling Cycle Gas Refrigerating Machines"

Report submitted for the Cryogenic Engineering Conference, 18-21 Aug 1964,
Philadelphia, Pa.

L 19472-65 EWT(m)/EWT(m)/EPP(c)/EPP(n)-2/EPR/EWP(t)/EWP(b) Pr-4/Ps-4/Pu-4
EPP(c) EPP(n) EPR EWP(t) EWP(b) Pr-4/Ps-4/Pu-4

ACCESSION NR AM4049552 BOOK EXPLOITATION

S/ 8-1

Yepifanova, V. I. (Candidate of Technical Sciences); Aksel'rod, L. S. (Doctor of Technical Sciences); Gorokhov, V. S. (Engineer); Dy'khno N. M. (Candidate of Technical Sciences); Cherny'shev, B. A. (Engineer); Grushevskiy, V. M. (Engineer); Antipov, I. I. (Candidate of Technical Sciences); ...

SCIENCE: ... Vasyunina, G. V. (Candidate of Technical Sciences); ... Denisenko, G. F. (Candidate of Technical Sciences); ...

L. (Engineer)

Purifying air by deep cooling; technology and apparatus, in two volumes. V. 2: Industrial plants, machinery and accessory equipment (Razdeleniye vozdukh metodom glubokogo okalazhdeniya; tekhnologiya i oborudovaniye, v dvukh tomakh. t. 2: Promy'shlyennyye ustanovki, mashinnoye i vspomogatel'noye oborudovaniye). Moscow, Izd-vo "Mashinostroyeniye", 1964, 591 p. illus., biblio., index. Errata slip inserted. 3,000 copies printed.

TOPIC TAGS: ²⁷oxygen generation, ²⁷argon, ²⁷crypton, ²⁷neon, ²⁷xenon, centrifugal
Card 1/3

L 16473-65

ACCESSION NR AM4049552

compressor, pump, liquid oxygen, liquid nitrogen, air purification

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SUB CODE:GC

SUBMITTED: 08Feb64

NR REF SOV: 060

OTHER: 029

Card 3/3

YEPIFANOVA, V.I., kand. tekhn. nauk

Taking the characteristics of the real gas into consideration
in the design of low temperature machinery. Trudy VNIKIMASH
no.8:90-98 '64. (MIRA 17:10)

YEREFANOVA, V.I., doktor tekhn. nauk

Analyzing the gas regenerative refrigerating cycles. Trudy
VNIITKIMASH no.9:3-35 '65. (MIRA 18:6)

DAVYDOV, A.B., kand. tekhn. nauk; YEFIMANOVA, V.I., doktor tekhn. nauk

Experimental study of a radial flow turboexpander with partial
gas supply. Trudy VNIITKIMASH no.9:111-124 '65. (MIRA 18:6)

L 36287-66 EWT(d)/EWT(m)/EWP(k)/EWP(v)/EWP(t)/EWP(l)/ETI/EWP(k) IJP(c) WW/JN/JD
ACC NR: AT6016840 (A) SOURCE CODE: UR/2800/65/000/010/0003/0046

AUTHOR: Yepifanova, V. I. (Doctor of technical sciences); Gorokhov, V. S. (Engr.);
Chernyshev, B. A. (Engr.); Narinskiy, G. B. (Candidate of technical sciences)

ORG: None *

TITLE: The VNIKIMASH BR-6 nitrogen oxygen apparatus 14 9 13+1

SOURCE: * Vsesoyuznyy nauchno-issledovatel'skiy institut kislородnogo mashino-
stroyeniya. Trudy, no. 10, 1965. Apparaty i mashiny kislородnykh ustanovok
(Apparatus and machinery of industrial oxygen plants), 3-46 29 10

TOPIC TAGS: liquid nitrogen, liquid oxygen, chemical plant equipment, chemical production

ABSTRACT: * The authors describe in considerable detail the VNIKIMASH BR-6 apparatus developed by the All-Union Scientific-Research Institute of Oxygen Equipment Building (Vsesoyuznyy nauchno-issledovatel'skiy institut kislородnogo mashinostroyeniya) for the production of 15,000 m³/hr of nitrogen containing 0.002% O₂, 7840 m³/hr of industrial oxygen with a concentration of 95% O₂, and 160 m³/hr of 99.5% pure O₂. The apparatus operates with a single low pressure circuit, used previously in technical oxygen devices only. The paper discusses
Card 1/2 UDC: 62-1:661.935

L 36287-66

ACC NR: AT6016840

the basic features of the apparatus and the selection and development of the technological design of the unit and technological diagrams. The following main components are treated in detail: regenerators, carbon dioxide freezing traps, fractionating columns, condensers-evaporators, supercoolers, N and O reheaters, technical oxygen column, block housing, armature, compressed-gas motor, and the remote and automatic control system. The results of a test run of the apparatus are presented. The article concludes with a brief comparison of the apparatus with the characteristics of the "Link" (West Germany) and "Kobe-Steel" (Japan) devices. The BR-6 is already in use in chemical enterprises of the Soviet Union, Rumania, Hungary, and Bulgaria. Orig. art. has: 16 figures and 5 tables.

SUB CODE: 07/ SUBM DATE: 00/ ORIG REF: 007

Card 212 *HS*

ACC NR: AR6032311

SOURCE CODE: UR/0081/66/000/010/L007/L007

AUTHOR: Yepifanova, V. I.; Gorokhov, V. S.; Chernyshev, B. A.; Narinskiy, G. B.

TITLE: Nitrogen-oxygen ^{||} plant VNIKIMASH BR-6

SOURCE: Ref. zh. Khimiya, Part II, Abs. 10L55 ²⁷ ₂₇ //

REF SOURCE: Tr. Vses. n. -i in-ta kriogen., kislorodn. i kompressorn.
mashinostr., vyp. 10, 1965, 3-46

TOPIC TAGS: nitrogen, oxygen, oxygen plant, nitrogen plant

ABSTRACT: The technical characteristics of the equipment are given and its basic features are pointed out. The flow chart is presented and the basic equipment is analyzed. A comparison is made of the VNIKIMASH BR-6 plant with those manufactured by foreign firms. Orig. art. has: 7 reference items. M. Gusev. [Translation of abstract]

SUB CODE: 07/

Card 1/1

ACC NR: AR6035070

SOURCE CODE: UR/0282/66/000/008/0052/0053

AUTHOR: Yepifanova, V. I.; Gorokhov, V. S.; Chernyshev, B. A.;
Narinskiy, G. B.

TITLE: VNIKIMASH BR-6 nitrogen and oxygen plant

SOURCE: Ref. zh. Khimicheskoye i kholodil'noye mashinostroyeniye, Abs.
8.47.369

REF SOURCE: Tr. Vses. n.-i. in-ta kriogen., kislородn. i kompressorn.
mashinostr., vyp. 10, 1965, 3-46

TOPIC TAGS: nitrogen, oxygen, ammonia

ABSTRACT: The All-Union Scientific-Research Institute for Oxygen Equipment developed a VNIKIMASH type BR-6 machine designed to produce 15,000 m³ per hour of nitrogen with a 0.002% content of O₂; 7840 m³ per hour of low-purity oxygen with 95% O₂; and 160 m³ per hour of high-purity oxygen with a 99.5% concentration of O₂. As a basis for the development of the new equipment, the designers used the G-6800 air-fractioning unit with production capacity of 5400 m³/hr of nitrogen with 0.02—0.05% O₂, and 1400 m³/hr of oxygen with a

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UDC: 621.59

ACC NR: ARG035070

90—92% concentration of O₂. The latter did satisfy the industrial demands for ammonia with respect to both quality and quantity as well, or with regard to the flow chart and equipment. The new BR-6 plants have been providing adequate supplies of pure nitrogen and technical oxygen to synthetic ammonium other chemical plants. The BR-6 plant consists of several air turbocompressors an air-fractioning unit, turboexpanders, a controlling and measuring instrument panel, switching mechanism, preheaters, and other equipment. Unlike the G-6800 machine operating at two pressure levels, the BR-6 nitrogen-oxygen plant is designed for a low pressure level, a system used earlier only in technical oxygen plants. The low-pressure system makes it possible to eliminate reciprocating engines, chemical air purifiers for removing carbon dioxide from the air, an ammonium refrigeration unit, and reversible heat exchangers for freezing out the moisture thus resulting in a highly efficient unit, simple in construction and dependable and convenient in operating. The principal considerations in designing the BR-6 plant were (on comparison basis) a flow chart with an improved organization of heat exchange, removal of air impurities, rectification, and refrigeration cycle. Orig. art. has: 7 bibliographic titles, and 16 diagrams. [KP]

SUB CODE: 07/

Card 2/2

YEPIFANOVA, Ye. N.

The effect of vitamin B₁₂ and choline on pathomorphological changes in the liver in experimental hepatitis. Trudy ISOMI 5(0):151-155 '58 (MIRA 12:1)

1. Kafedra propedevtiki vnutrennikh zabolevaniy (zav. - prof. S.M. Ryss)
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(VITAMIN B₁₂, effects
on pathol. changes in liver in exper. hepatitis in rabbits
(Rus))

(CHOLINE, effects
same)

(HEPATITIS, experimental
eff. of choline & vitamin B₁₂ on pathol. changes in liver
of rabbits (Rus))

^A
YAPIHOVSKIY, S., insh.

Important potential for increasing the output of lime. Stroi. mat.
3 no.12:1-3 D '57. (MIRA 11:2)

(Limekilns)

YMPIFANOVSKIY, S., inzh.

For a full utilization of raw materials in lime production. Stroi.
mat. 4 no. 7:20-22 J1 '58. (MIRA 11:7)
(Line)

YEPIFANOVSKIY, S.G., insh.

Resources for the expanded production of local binding
materials. Stroi.mat. 5 no.8:12-15 Ag '59. (MIRA 12:12)
(Binding materials)

YEPIFANOVSKIY, S.G., inzh.

Production of line for manufacturing articles hardened by
autoclave. Stroi.mat. 7 no.6:11-15 Je '61. (MIRA 14:7)
(Lime) (Reinforced concrete)

YEPIFANOVSKIY, S.G.; KRZHEMINSKIY, S.A.; MUROMSKIY, P.G.

Technical policy in the lime industry. Stroi. mat. 9 no.10:
24-26 0 '63. (MIRA 16:11)

STETSYUK, L.; PARSHIN, M.; YEPIFANTSEV, A.

Traffic organization and safety. Avt.transp. 42 no.1:44-45 Ja
'64. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.

STETSYUK, L.S.; PARSHIN, M.A.; KARPINSKAYA, I.M.; YEPIFANTSEV, A.T.;
DEBERDEYEV, B.S., red.; BODANOVA, A.P., tekhn. red.

[Road adhesion of wheels and traffic safety] Stseplenie ko-
lessa s dorogoi i bezopasnost' dvizhenia. Moskva, Avto-
transizdat, 1963. 65 p. (MIRA 17:3)

YEPIFANTSEV, K. F.

SHKABARA, M.N., doktor geol.-miner.nauki, YEPIFANTSEV, K.F., inzhener;
SLOBODKIN, D.S., inzhener; KUBYL'SKIY, L.L., inzhener.

Rock plugging to reduce gas emanations during shaft sinking. (MIRA 10:7)
Shakht.stroi. no.2:21-22 F '57.
(Shaft sinking) (Mine gases)

YEPIFANTSEV, K.F., inzh.; SURCVTSEV, L.A., inzh, RAFAL', Ya.G., inzh.

Construction of the Yamovskiy hydraulic mine. Shakht. stroi. 4
no.12:18-22 D '60. (MIRA 13:12)

1. Kombinat Donbassantratsitshakhtostroy.
(Donets Basin--Hydraulic mining)

YEPIFANTSEV, K.F., inzh.; SUROVTSEV, L.A., inzh.; RAFAL', Ya. G., inzh.

Reducing the time needed for lining vertical shafts. Shakht.
stroil. 5 no.6:12-15 Je '61. (MIRA 14:6)

1. Kombinat Donbassantratsitshakhtostroy.
(Shaft sinking)

YEPIFANTSEV, Vitaliy Fedorovich; LUPANDIN, I.V., red.; MATUSEVICH,
S.M., tekhn. red.

[Manual for the maintenance and repair of motor vehicles] Spravochnik po remontu i tekhnicheskomu obsluzhivaniyu avtomobilei.
Kiev, Gostekhzdat USSR, 1961. 630 p. (MIRA 15:6)
(Motor vehicles--Maintenance and repair)

YEPIFANTSEV, Vitaliy Fedorovich; AMELIN, Aleksandr Stepanovich
[deceased]; AFONINA, G.F., red.; MATUSEVICH, S.M., tekhn.
red.

[Manual for motor vehicle drivers] Spravochnik shofera. By V.F.
Epifantsev, A.S.; Amelin. Kiev, Gos.izd-vo tekhn. lit-ry USSR,
1961. 547 p. (MIRA 15:2)

(Motor vehicles)

YEFIFANTSEV, YU. K.

YEFIFANTSEV, YU. K. --"Analysis of the effectiveness of Using Large-Diameter Holes for the Main Shafts of Mines in the Donbass." Min Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Science).

SO Knizhanay letopis'
No 2, 1956

YEPHANTSEV, YURIY KONSTANTINOVICH

DANILOV, Karl Petrovich, inzhener; ~~YEPHANTSEV, Yuriy Konstantinovich,~~
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CHMKAROV, Vladimir Alekseyevich, inzhener; SMIRNOV, L.V., redaktor
izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy redaktor

[Problems in conducting mining operations] Voprosy provedeniya gornykh
vyrobotok. Pod red. N.M. Polcrovskogo. Moskva, Ugletekhizdat, 1956, 80 p.
(Coal mines and mining)

Yepifantsev, Yu.K.
ANDROS, I.P.

inzh.; ASSONOV, V.A., kand. tekhn. nauk.; BERNSTEIN, S.A.,
inzh.; BOKIY, B.V., prof.; BROVMAN, Ya.V., inzh. BONDARENKO, A.P.,
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tekhn. nauk; VOLKOV, A.M., inzh.; OMLINSKUL, M.N., kand. tekhn. nauk;
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tekhn. nauk.; YERASHKO, I.S., inzh.; ZHUKANOV, S.A., kand. tekhn.
nauk; ZIL'BERBROD, A.F., inzh.; ZINCHENKO, M.M., inzh.; ZORI, A.S.,
inzh.; KAPLAN, L.B., inzh.; KATSAUROV, I.N., dots.; KITAYSKIY, B.F.,
inzh.; KRAVTSOV, Ye.P., inzh.; KRIVOROG, S.A., inzh.; KRINITSKIY,
L.M., kand. tekhn. nauk; LITVIN, A.Z., inzh.; MALEVICH, N.A.,
kand. tekhn. nauk; MAN'KOVSKIY, G.I., doktor tekhn. nauk; MATKOVSKIY,
A.L., inzh.; MINDALI, N.O., kand. tekhn. nauk; NAZAROV, P.P., kand.
tekhn. nauk; NASONOV, I.D., kand. tekhn. nauk; NEYENBURG, V.Ye.,
kand. tekhn. nauk; POKHOVSKIY, G.I., prof., doktor tekhn. nauk;
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kand. tekhn. nauk; SEMEVSKIY, V.N., doktor tekhn. nauk; SKIRGELLO,
O.B., inzh.; SUKRUT, A.A., inzh.; SUKHANOV, A.F., prof., doktor
tekhn. nauk; TARANOV, P.Ya., kand. tekhn. nauk; TOKAROVSKIY, D.I.,
inzh.; TRUPAK, N.G., prof., doktor tekhn. nauk; FEDOROV, S.A., prof.,
doktor tekhn. nauk; FEDYUKIN, V.A., inzh.; KHOKHLOVKIN, D.M., inzh.;
KHRABROV, N.I., kand. tekhn. nauk; CHEKAROV, V.A., inzh.; CHERNAVKIN,
N.N., inzh.; SHREYBER, B.P., kand. tekhn. nauk; EPOV, B.A., kand.
tekhn. nauk; YAKUSHIN, N.P., kand. tekhn. nauk; YANCHUR, A.M., inzh.;
YAKHONTOV, A.D., inzh.; POKROVSKIY, N.M., otvetstvennyy red.;
KAPLUN, Ya.G. [deceased], red.; MONIN, G.I., red.; SAVITSKIY, V.T.,
(Continued on next card)

ANDROS, I.P.---(continued) Card 2.
red.; SANOVICH, P.O., red.; VOLOVICH, M.Z., inzh., red.; GORITSKIY,
A.V., inzh., red.; POLUYANOV, V.A., inzh., red.; FADEYEV, E.I.,
inzh., red.; CHECHKOV, L.V., red. izd-va; PROZOROVSKAYA, V.L.,
tekhn. red.; NADINSKAYA, A.A., tekhn. red.

[Mining; an encyclopaedic handbook] Gornoe delo; entsiklopedicheskiy
spravochnik, Glav. red. A.M. Terpigorev. Moskva, Gos. Nauchno-
tekhnicheskoe izd-vo lit-ry po ugl'noi promyshl. Vol. 4. [Mining
and timbering] Provedenie i kreplenie gornykh vyrabotok. Red-
kollegiya: toma: N.M. Pokrovskii... 1958. 464 p. : . (MIRA 11:7)...

(Mine timbering) (Mining engineering)

YEPIFANTSEV, Yu.K., kand.tekhn.nauk

Mechanization of rock spoil removal in drifting ventilating
entries in the mines of the central part of the Donets Basin.
Ugol'.prom. no.4:24-26 J1-Ag '62. (MIRA 15:8)
(Donets Basin--Coal mines and mining)

YEPIFANTSEV, Yu.K., kand. tekhn. nauk; KHRISTENKO, P.N., inzh.

Expediency of reducing the number of simultaneously active
faces in development workings of Donets Basin mines. Sbor.
DonUGI no. 29114-123 '63. (MIRA 16:10)

(Donets Basin—Coal mines and mining--Labor productivity)

KRASOZOV, I.P.; YEPIFANTSEV, Yu.K.

Ways of increasing the rate and improving technical and economic indices of development operations in Ukrainian Donets Basin mines. Ugol' 40 no.11:16-21 '65. (MIRA 18:11)

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

YEPHANTSEV, Yu.K., kand. tekhn. nauk; MAESIGENKO, A.N., inzh.

Advantages of drilling out the coal in making drifts by narrow
working along seams subject to outbursts in mines of the
Donetskugol' Combine. Sbor. DonUGI no.33:273-283 '64.
(MIRA 17:11)

Yepifantsev, Yu. B.

KRSTOSHEVSKIY, L.S.; DANCHICH, V.V.; AVDIYENKO, T.G.; ARKHANGEL'SKIY, A.F.;
GAK, A.M.; YEPIFANTSEV, Yu.P.; ZELINSKIY, V.M.; IVANOV, P.S.; IVASHCHENKO,
P.R.; KALININA, M.D.; KRAVCHENKO, A.G.; KOTLYAROVA, A.V.; KRUGLYAKOVA,
M.D.; LEVIKOV, I.I.; LIBKIND, R.I.; NIKOLAYEVA, N.A.; NAUMENKO, V.F.;
PRESEMAN, I.B.; PRISYAZHNIKOV, V.S.; POBEDINSKAYA, L.P.; POKALYUKOV,
S.N.; POPOV, A.A.; SOLOMENTSEV, M.N.; TARASOV, I.V.; FILONENKO, A.S.;
SHISHOV, Ye.L.; SHRAYMAN, L.I.; YAKUSHIN, N.P.; ZVORYKINA, L.N., red.
isd-va; LOMILINA, L.N., tekhn.red.

[Horizontal mining in foreign countries] Provedenie gorizonta'nykh
vyrabotok za rubezhom. Moskva, Ugletekhizdat, 1958. 342 p. (MIRA 12:4)

1. Kharkov. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
i mekhanizatsii shakhtnogo stroitel'stva.
(Mining engineering)

YEPIFANTSEVA, A.I.

Personality perspectives and their psychological characteristics.
Vop. psikhol. 10 no.6:97-103 N-D '64.

(MIRA 18:2)

1. Pedagogicheskiy institut, Irkutsk.

YEPIFANTSEVA, A. V.

LEBEDEV, A.P., doktor geologo-minerologicheskikh nauk; YEPIFANTSEVA, A.V.;
KATRENKO, A.V., redaktor.

[What stones can tell] O chem rasskazyvaiut kamni. Moskva, Gos. izd-vo
tekhniko-teoreticheskoi lit-ry, 1953. 53 p. (Nauchno-populiarnaya
biblioteka, no.65) (MIRA 7:7)
(Geology)

YEPIFANTSEVA, M.A.
POKROVSKAYA, A.G.; YEPIFANTSEVA, M.A.

Teeth - Diseases

Results of using "albuclid" and cuprous sulfate in the treatment of gingivostomatitis and the healing of postoperative alveolar wounds. Stomatologia No. 2 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952 ~~1977~~, Uncl.

YEPIFANTSEV, Vitaliy Fedorovich; NOVIK, A.M., red.; MATUSEVICH, S.M.,
tekh. red.

[Fundamentals of drawing and laying out of parts] Elementy
cherchenia i razmetki detalei. 2., izd. isp. Kiev, Gos. izd-
vo tekhn. lit-ry USSR, 1961. 143 p. (MIRA 15:2)
(Laying out (Machine-shop practice))
(Mechanical drawing)

GUSARSKAYA, I.L., kand.med.nauk; DUDKINA, K.A.; MASLENNIKOVA, L.K., kand.
med.nauk; YEPIFANOVA, K.I.

Clinical and epidemiological characteristics of adenovirus infections.
Vop.okh.mat.i det. 7 no.4:6-10 Ap '62. (MIRA 15:11)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta
detskikh infektsiy (dir. - prof. A.L.Libov), Detskoy infektsionnoy
bol'nitsy Leninskogo rayona (glavnyy vrach K.A.Dudkina), Leningrad-
skogo nauchno-issledovatel'skogo instituta epidemiologii i
mikrobiologii imeni Pastera (dir. - prof. V.G.Nikitina) i Gorodskoy
sanitarno-epidemiologicheskoy stantsii Leningrads (glavnyy vrach
V.N.Kovshilo).

(ADENOVIRUS INFECTIONS)

YEPIK, O.P. [Epik, O.P.]

Fourth seminar on diffusion saturation and coatings at the
Department of Physical and Technological Problems of the
Study of Materials of the Academy of Sciences of the Ukrai-
nian S.S.R. Dop. AN URSR no.3:394-397 '65.

(MIRA 18:3)

YEPKHIN, M.

Every master trains sportsmen of the lower categories. Za rul.
18 no.2:1 F '60. (MIRA 13:6)

1. Nachal'nik Tul'skogo morskogo kluba Dobrovol'nogo obshchestva
sodeystviya armii, aviatsii i flotu, chlen prezidiuma Federatsii
vodno-motornogo sporta SSSR.
(Motorboat racing)

KALASHNIKOVA, L.M., kard. ekon. nauk; YEFIKHIN, P.S.; ZAGORCHIK, M.M.
[deceased]; KALASHNIKOV, V.D.; NAGIBIN, G.V.; RYABOVA, O.A.,
red.

[Organization and planning of production in building materials industry enterprises] Organizatsiia i planirovanie proizvodstva na predpriiatiakh promyshlennosti stroitel'nykh materialov. I Aroslavl', Rosvuzizdat, 1963. 346 p.
(MIRA 18:3)

KALASHNIKOVA, L.M., kand. ekon. nauk, dots.; KALASHNIKOV, V.D.;
YEPIKHIN, P.S.; LAPSHINA, Ye.A.; PENTKOVSKIY, N.I., prof.,
retsensent; CORBUSHIN, P.B., retsensent; RYABOVA, O.A., red.

[Economics of the building materials industry] Ekonomika
promyshlennosti stroitel'nykh materialov. [by] L.M.Kalashnikova
i dr. Moskva Vysshaya shkola, 1964. 307 p. (MIRA 17:10)

1. Zaveduyushchiy kafedroy ekonomiki i organizatsii Moskovskogo
inzhenerno-stroitel'nogo instituta (for Pentkovskiy). 2. Chlen-
korrespondent Akademii stroitel'stva i arkhitektury SSSR (for
Gorbushin).

STAKHANOVA, M.S.; VASILEV, V.A.; YEPKHN, Yu.A.

Activity coefficients of alkali metal chlorides in mixed
aqueous solutions. Zhur.fiz.khim. 37 no.2:354-360 F '62.
(MIR^A 16:5)

1. Khimiko-tehnologicheskii institut imeni D.I.Mendeleyeva.
(Alkali metal chlorides) (Electrolyte solutions)
(Activity coefficients)

YEPIKHIN, Yu.A.; STAKHANOVA, M.S.; KARAPET'YANTS, M.Kh. (Moscow)

Changes in volume and heat capacities in aqueous salt solutions.
Part 3. Zhur. fiz. khim. 38 no.3:692-696 Mr '64.

(MIRA 17:7)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D.I.
Mendeleeva.

STAKHANOVA, M.S.; YEPIKHIN, Yu.A.; KARAPET'YANTS, M.Kh.

Volume and heat capacity changes in aqueous salt solutions.
Part 2. Zhur. fiz. khim. 37 no.11:2570-2573 N'63.

(MIRA 17:2)

1. Moskovskiy khimiko-tehnologicheskij institut imeni
D.I. Mendeleeva.

KOLOGRIVOVA, N.Ye.; KHEYFITS, L.A.; SHCHEDRINA, M.M.; YEPIKHINA, A.A.

Steric course of thymol hydrogenation. Zhur. prikl. khim. 36
no.12:2740-2745 D'63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh
i natural'nykh dushistykh veshchestv.

FRUMKIN, M.L., starshiy nauchnyy sotrudnik; KOVAL'SKAYA, L.P., starshiy
nauchnyy sotrudnik; YEPIKHINA, N.V., mladshiy nauchnyy sotrudnik

Steam-heating method of preparing potatoes for drying. Trudy
VNIIEOP no.9:53-67 '59. (MIRA 14:1)
(Potatoes--Drying)

BELOZEROVA, O.P.; YEPIKHINA, V.I.

Methodology for the quantitative determination of N,N'-
dibenzylethylenediamine in diblomycin. Antibiotiki 9
no.2:172-176 F '64. (MIRA 17:12)

1. Laboratoriya lekarstvennykh form (zav. Ye.N. Lazareva)
Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov,
Moskva.

ZAVARZIN, G.A.; YEPIKHINA, V.V.

Symbiotic growth of Metallogenium. Dokl. AN SSSR 148 no. 4: 933-934 F '63. (MIRA 16:4)

1. Institut mikrobiologii AN SSSR. Predstavleno akademikom A.A. Imshenetskim.
(SYMBIOSIS) (MICRO-ORGANISMS) (MANGANESE)

YEFIKHINA, V.V.; ZAVARZIN, G.A.

Oxidation-reduction potential in the development of Metallo-
genium. Mikrobiologiya 32 no.2:227-230 Mr-Apr '63.

(MIRA 17:9)

1. Institut mikrobiologii AN SSSR.

STAKHANOVA, M.S. (Moskva); KARAPET'YANTS, M.Kh. (Moskva); VASIL'YEV, V.A.
(Moskva); YEPKHN, Yu.A. (Moskva)

Comparative study of the heat capacities and densities of aqueous
electrolyte solutions. Zhur. fiz. khim. 38 no.10:2420-2429 0 '64.
(MIRA 18:2)

1. Moskovskiy khimiko-tekhnologicheskij institut imeni D.I. Mende-
leyeva.

AZIMOV, A.A.; GRIBACHEV, A.A.; YEVTUSHENKO, Yu.I.; YEPIMAKHOV, N.M.;
KACHANOVICH, L.L.

Studying the travel mechanism of the door extractor with various systems of speed regulation. Koks i khim. no.10:51-58 '63.
(MIRA 16:11)

1. Konstruktorskoye byuro Koksokhimmash (for Azimov, Gribachev, Yevtushenko). 2. Bagleyskiy koksokhimicheskiy zavod (for Yepimakhov, Kachanovich).

ORLOV, M.L.; TUMARKIN, L.A.; YEFIMAKHOV, N.M.; SORKIN, M.M.; KOPTEV, G.P.

Improving the process of the primary separation of crude benzol.
Koks i khim. no.3:36-41. '64. (MIRA 17:4)

1. Ukrainskiy uglekhimicheskiy institut (for Orlov, Tumarkin).
2. Bagleyskiy koksokhimicheskiy zavod (for Yepimakhov, Sorkin, Koptev).

AUTHOR: Yepimakhov, N. M.

68-58-7-21/27

TITLE: The Bagleyskiy Coke Oven Plant
(Na Bagleyskom koksokhimicheskom zavode)

PERIODICAL: Koks i Khimiya, 1958, Nr 7, p 58 (USSR)

ABSTRACT: 1. In the rectification department the hydrogen sulphide column was transferred to automatic operation with satisfactory results. The automation of the benzole colume is being carried out.
2. In April, 1958, the plans of mechanisation and automation of the coal preparation plant was approved. The use of television and the control of the plant from one point by a duty engineer is included in the plan.
3. Automatic pH meters capable of maintaining constant acidity in saturators of the sulphate plant are being installed.
4. A loudspeaker system was put into operation on Nos. 1-6 batteries.

Card 1/1 1. Coke--Production 2. Industrial plants--Equipment 3. Industrial plants--Operation

YEPIMAKHOV, P.Ya., inzh.

Efficient mining system for thick flat seams of the Tom'-Usa
deposit. Izv. vys. ucheb. zav.; gor. zhur. no.8:3-10 '58.
(MIRA 12:5)

1. Kemerovskiy gornyy institut.
(Altai Mountains--Mining engineering)

TSERKOVNITSKAYA, I.A.; YEPIMAKHOV, V.I.

Determination of Ge, Se, and Sn in semiconductor materials
by oscillographic polarography. Zav.lab. 31 no.10,1178-
1179 '65. (MIRA 19:1)

1. Leningradskiy gosudarstvennyy universitet.

ROSHCHEVSKIY, M.P.; PATRUSHEV, V.I., prof., doktor biolog.nauk, otv. red.;
YEPIMAKHOVA, M.Ya., red.; BELYAYEV, S.A., tekhn.red.

[Electrical activity of the heart and electrocardiographic
methods for cattle] Elektricheskaya aktivnost' serdtsa i metody
s"emki elektrokardiogram u krupnogo rogatogo skota. Sverdlovsk,
Ural'skii nauchno-issl. in-t sel'.khoz., 1958. 77 p. (MIRA 11:12)
(Cattle--Physiology) (Electrocardiography)

KHOLODOV, Vladimir Ivanovich; KRYLOV, Aleksandr Ivanovich; YEPIMAKHOVA,
M.Y. red.; LEONOVA, I.P., tekhn.red.

[Through the years (1858-1958)] Skvoz' gody, 1858-1958 gg.
Vladimir, Vladimirovskoe knizhnoe izd-vo, 1958. 97 p. (MIRA 12:9)
(Sobinka---Textile workers)

TSERKOVNITSKAYA, I.A.; YEPIMAKHOV, V.N.

Polarographic behavior of germanium in the presence of alizarin
red S. Zhur. anal. khim. 20 no.6:688-693 '65.

(MIRA 18:7)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

L 04492-67 EWT(m)/EWP(j)/T DS/RM

SOURCE CODE: UR/0054/65/000/003/0101/0106

ACC NR: AP6017112

AUTHOR: Tserkovnitskaya, I. A.; Yepimakhov, V. N.

ORG: none

TITLE: High-frequency alkalimetric titration of polyphenolgermanium acids

SOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, no. 3, 1965, 101-106

TOPIC TAGS: organogermanium compound, amperometric titration, polarographic analysis

ABSTRACT: Based on polarographic data, it was found that complex compounds of germanium with polyphenols are reduced in a acidic medium on a mercury drop electrode. The highest maximum current was observed in a hundredfold excess of organic reagent with respect to germanium. The composition of the complexes investigated was established by amperometric titration in an alkaline medium with respect to the reduction current of germanium. The germanium: polyphenol ratio in the complex was 1:3. It was of interest to compare results on a study of complexes using the polarographic method with those obtained from high-frequency noncontact titration, since in this case there are no electrochemical processes at the interfaces (electrode processes), and the electrochemical

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11
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Cord 1/3

UDC: 546.289:543.241

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properties of the entire chemical system enclosed between the electrodes become manifest. Measurements were made with an instrument of the Pungor system. The capacity of the titrimeter together with the mixer motor was 48 watts; the working frequency was upwards of 100 megacycles. The experimental conditions were as follows: 10 ml of $1 \cdot 10^{-2}M$ GeO_2 solution was poured into a cell, and then solutions of pyrocatechin or pyrogallol were added until different ratios of germanium to polyphenol concentration were attained, from 1:1 to 1:200. The volume in the beaker was brought to 70 ml in order that the level of the solution would be above the upper edge of the electrode. This was necessary to eliminate the effect of variation in solution volume on microammeter readings. The resulting mixtures were titrated with 0.1 N NaOH solution. Another series of experiments were conducted in parallel, using the potentiometric titration of germanium compounds with polyphenols, employing a glass electrode. Measurement of solution pH values were made on the LP-58 pH-meter, calibrated with respect to a saturated solution of potassium carbonate with $pH = 3.59$

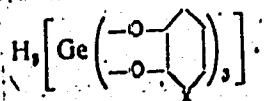
As a result of the titration using sodium hydroxide, curves were obtained which had sharp points of inflection. Beginning with a

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L 04492-67

ACC NR: AP6017112

metal: addend ratio of 1:3 and higher, two equivalents of alkali were expended in titration. A similar effect was also observed in the case of titration of a germanium-pyrogallol mixture. This confirmed the formation in the solution of complex dibasic acids with the structure:



Germanium can be detected with an error up to 10% when its content is 0.5 - 0.8 mg, using the high-frequency alkalimetric titration method. The authors thank V. I. Tikhomirov for his valuable and substantial guidance in this work. Orig. art. has: 6 figures, 1 formula, and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 26Oct64 / ORIG REF: 003 / OTH REF: 001

Card 3/3 *egh*

VASIL'YEV, M.D., kand. sel'khoz. nauk, red.; YEPIMAKHOVA, M.Ya.,
red.

[Reports and communications of the Ural Scientific Re-
search Institute of Agriculture; plant growing] Doklady i
soobshchenia...; rastenievodstvo. Pod obshchei red. M.D.
Vasil'eva. Sverdlovsk, 1959. 138 p. (MIRA 16:11)

1. Sverdlovsk. Ural'skiy nauchno-issledovatel'skiy institut
sel'skogo khozyaystva.

(Field crops--Research)

SOV/50-58-6-6/24

AUTHOR: Yepinat'yev, M. N.

TITLE: On the Problem of the Diagnosis and Forecast of Fog (K voprosu o diagnoze i prognoze tumana)

PERIODICAL: Meteorologiya i gidrologiya, 1958, Nr 6, pp. 25-29 (USSR)

ABSTRACT: The values of the meteorologic elements at the surface of the earth supply the basic data in the existing methods of forecasting fog. The problem of the possible formation of fog is solved by the comparison of the forecast minimum air temperature and the calculated temperature of fog formation. The probability of realization is rarely higher than 10-75%. The main cause for this low probability is the fact that the change of the humidity content of the near-the-earth atmosphere is not taken into account and reliable methods for forecasting the minimum air temperature are lacking. The analysis of the results of the probing of the atmosphere in the case of fog shows the following results: 1) As a rule fog is accompanied by an inversion of the air temperature. 2) During fog the specific air humidity in the near-the-earth layer of the atmosphere increases or remains practically unchanged; then a humidity transfer from the upper layers into the lower ones must take place which promotes the

Card 1/2

On the Problem of the Diagnosis and Forecast of Fog

SOV50-58-6-6/24

formation and conservation of fog. 3) In the case of a positive gradient of the specific humidity and of the temperature in the near-the-earth layer the current of the humidity is directed to the higher layers of the air and no fog is formed. 4) The use of the diagrams by A. S. Zverev, or the emagram for the purpose of fog forecast is limited as the value of the humidity in the ground-near layer is variable. An auxiliary diagram must be used for precizing the fog forecast. There are 3 figures and 5 tables.

1. Meteorology--USSR
2. Weather forecasting
3. Fog--Meteorological factors

Card 2/2

GARBURTSOZ, G. A., RIZNICHENKO, Ya. J., BERZON, I. S., and LEINAT'YEVA, A.M.

Mbr., Institute of Theoretical Geophysics, Acad. Sci., -1945-.

"A Combined Method for Seismic Prospecting," Dok. AN, 51, No. 6, 1946

YEPINAT'YEVA, A. M.

"Average Speed of Propagation of Elastic Waves under Conditions of the Eastern
Apsheron", Izvestiya AN SSSR, seriya geograf. i geofiz., No 1, 1948 (63-72).

SO: U-3039, 11 Mar 1953

YEPINATIYEVA, A.M.

PA156T43

USSR/Geophysics - Seismology
Seismometry

Jan/Feb 50

"Certain Types of Diffracted Waves Registered in Seismic Observations," A. M. Yepinat'yeva, Geophys Inst, Acad Sci USSR, 6 pp

"Iz Ak Nauk SSSR, Ser Geograf i Geofiz" Vol XIV, No 1

Analysis of seismic data obtained in seismic studies of refracted waves in section where wedging out of limestone layer lying at depth of 0.5 to 10 meters was observed. Showed that among waves registered there were waves of complex type, which were diffracted in a certain part of their path. Diffracted waves created waves of other types, in particular Min-trop waves. Submitted by Acad O. Yu. Shmidt 6 Jun 49.

156T43

YEPINAT'YEVA, A. M.

USSR/Geophysics - Geophysical Pros-
pecting - Nov/Dec 50
Seismic Method

PA 171163

"Seismic Screening," I. S. Berson, A. M.
Yepinat'yeva, Geophys Inst, Acad Sci USSR
"Iz Ak Nauk SSSR, Ser Geor i Geofiz" Vol XIV,
No 6, pp 473-501

Gives seismic data on screening of beds by cover-
ing strata in which elastic waves propagate with
high velocity. When waves impinge on boundary
of screening stratum at greater than critical
angles, stratum's screening action depends upon

171163

USSR/Geophysics - Geophysical Pros-
pecting (Contd) - Nov/Dec 50

ratio of width to wave length, medium's velocity
characteristic, and incidence angle. Submitted
by Acad O. Yu. Shmidt 9 May 50.

171163

YEPINAT'YEVA A. M.

PA 187T27

USSR/Geophysics - Seismology

Jul/Aug 51

"Reiterated Shock in Seismic Observations," A. M. Yepinat'yeva, Geophys Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geofiz" No 4, pp 43-60

Describes expts clarifying ratio of time of appearance of repeated shock and its amplitude to strength Q of charge and depth h of explosion. Ratio A_2/A_1 of amplitudes of 1st and 2d shock decreases with increasing Q . At small Q the repeated shock appears to be stronger than the 1st. Submitted 28 Mar 51.

187T27

GAMBURTSEV, G.A.; RIZNICHENKO, Yu.V.; BERZON, I.S.; YEPINAT'YENVA, A.M.;
PASHCHNIK, I.P.; KOSMINSKAYA, I.P.; KARUS, Ye.V.; YEROFYEVA, A.A.,
redaktor; KISELEVA, A.A., tekhnicheskiy redaktor

[Correlation method of refracted waves; manual for seismological
engineers] Korreliatsionnyi metod prelomlennykh voln; rukovodstvo
dlia inzhenerov-seismorazvedchikov. Moskva, Izd-vo Akad. nauk SSSR,
1952. 238 p. [Microfilm]. (MLRA 8:7)

1. Chlen-korrespondent AN SSSR (for Gamburtsev).
(Seismometry)

YEPINAT'YEVA, A.M.

USSR/Geophysics .. Absorption of Seismic Waves May/June 52

"Method for Determining the Difference in the Coefficients of Absorption of Seismic Waves," A. M. Yepinat'yeva, Geophys Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geofiz" No 3, pp 70-77

Describes a method for detg the difference in the amplitude coeffs of absorption of seismic waves in various refracting layers. Presents examples of application of this method during the processing of seismograms obtained in observations according to correlational method of refracted waves. Submitted 29 Dec 51.

224T72

YEPINAT'YEVA, A. M.

USSR/Geophysics - Seismic, Waves

Jul/Aug 52

"Repeated Refracted Waves," I.S. Berzon, A.M.
Yepinat'yeva, Geophys Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geofiz" No 4, pp 9-32

Discusses the problem concerning certain kinematic and dynamic peculiarities of repeated refracted waves. Presents exptl data on recording of repeated refracted waves under field conditions and shows that the observed peculiarities of these waves agree well with results of theoretical considerations. Submitted 2 Feb 52.

220150

YEPINAT'YEVA, A. M.

FA 237T46

USSR/Geophysics - Seismic Waves Nov/Dec 52

"Certain Seismic Waves With Large Arrival Times,"
A. M. Yepinat'yeva, Geophys Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geofiz" No 6, pp 21-38

Describes expts intended to clarify nature of sub-
ject waves. Obtains seismograms revealing many
waves characterized by small regions of detection
and large apparent velocities. Such seismograms
are typical for a number of regions with various
seismogeological structures. Concludes that these

237T46

waves are not single reflections, according to
analysis of dynamic peculiarities of recordings
and comparison with theoretical results.

237T46

EPINAT'YEVA, A. M.

PA 241T30

USSR/Geophysics - Hodographs

Jan/Feb 53

"Some Problems of Interpretation of Transverse Hodographs of Refracted Waves in the Presence of Vertical Boundaries of Separation," A. M. Epinat'yeva, Geophys Inst Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geofiz" No 1, pp 17-25

Discusses the problem of detg the boundary velocities V and the increments of depths Δh of refracting boundaries along transverse profiles which intersect lines of vertical contacts, using for this method the deterns of V and Δh which were developed for the case $V = \text{const}$. Theoretical results are confirmed by expts.

241T30

YEPINAT'YEVA, A. M.

"Compilation of Charts of Boundary Velocities of Seismic Waves," Iz. Ak. Nauk
SSSR, Ser. Geofis., No.2, pp124-130, 1953.

Geophysics Inst., AS USSR

Explanation of systems of observations and methods for determining boundary
velocities by compilation of these charts. Presents methods and examples for
preparing boundary velocity charts.

254T76

BERZON, I.; YEPINAT'YEVA, A.

"Instructions for seismological prospecting." Reviewed I. Berzon, A. Epinat'eva. Izv. AN SSSR. Ser.geofiz. no.3:271-274 My-Je '53. (MLRA 6:6)
(Prospecting--Geophysical methods)

USSR/Geophysics - Seismics

Jul/Aug 53

"Review of the Article 'Short Reflected-Refracted Waves as a Factor Which Lowers the Quality of Seismic Data on the Russian Platform.'" I. S. Borzon and A. M. Yepinat'yeva

Iz Ak Nauk SSSR, Ser Geofiz, No 4, pp 388-390

Review an article of K. K. Urupov and L. A. Ryabinin, which appeared in Trudy Moskovskogo Neftyanogo Instituta imeni I. M. Gubkina (Works of the Moscow Petroleum Inst im I. M. Gubkin), No 12, pp 80-91, Moscow, Gostoptekhnizdat, 1953, 9 rubles.

265T88

USSR/Geophysics - Seismic waves

FD 393

Card 1/1

Author : Yepinat'yeva, A. M.

Title : Certain problems of increasing the accuracy of interpretation when the data from methods of reflected and refracted waves are jointly utilized

Periodical : Izv. AN SSSR, Ser. geofiz. 4, 331-348, Jul/Aug 1954

Abstract : Treats certain most widespread methods for replacing the actual medium by a fictive medium in the interpretation of hodographs of reflected and refracted waves; namely, laminar medium by a homogeneous medium, and a continuous medium by a homogeneous and stratified medium. Compare the methods of reflected and refracted waves. Points out the advantages of a combined employment of these two methods when one selects a method for substituting the actual medium.

Institution : Geophysics Institute, Acad Sci USSR

Submitted : June 11, 1953

YEPINAT'YEVA A. M.
USSR/Geophysics - Physics of the Earth

FD-1716

Card 1/1 : Pub. 45-4/12

Author : Yepinat'yeva, A. M.

Title : ~~Experimental data on refracted waves in media with weak velocity differentiation~~
Experimental data on refracted waves in media with weak velocity differentiation

Periodical : Izv. AN SSSR, Ser. geofiz., 130-136, Mar-Apr 1955

Abstract : On the basis of experimental results the authors show that refracted waves can form when there is a very small difference in the velocity of distribution of elastic waves in covering and refracting media. These waves are of considerable intensity. The authors indicate the peculiarities of seismic materials for media with weak velocity differentiation. They note some peculiarities of the methods of studying media with weak velocity differentiation with the aid of the correlation method of refracted waves.

Institution : Geophysical Institute, Academy of Sciences USSR

Submitted : June 1, 1954

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USSR/Geophysics - Seismology

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Author : Yepinat'yeva, A. M.

Title : Refracted Waves in media with weak rate of differentiation

Periodical : Izv. AN SSSR, Ser. geofiz, Jul-Aug 55, 303-322

Abstract : The author examines the question of geometric seismics for media with a weak rate of differentiation, and conducts an approximate examination of certain questions of the dynamics of refracted waves. The results obtained permits clarification of certain peculiarities of refracted waves in media with a weak rate of differentiation. Comparison with the data of the experiments as set forth in an earlier work of the author (Ibid, No 2, 1955) gives good agreement.

Institution : Geophysics Institute, Academy of Sciences USSR

Submitted : January 6, 1954

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ON CERTAIN TYPES OF SEISMIC WAVES. A. M. Epina't'eva.

(Inst. of Geophysical Invest. Akad. Nauk S.S.S.R., Ser. Geofiz.,
No. 1, 23-36(1956) Jan. (in Russian)

Theoretical and experimental data are given for the kinematic and dynamic characteristics of multiple reflected and reflecto-refracted waves. The first reflection occurs from the crevice boundary, located above the vibration excitation source. The experimental data agree with theory. (tr-auth)

see list

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Kinematic characteristics of refracted waves in media having wedge-shaped bedding of layers. Izv.AN SSSR Ser.geofiz.no.3:263-276 Mr '56.
(MIRA 9:7)

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Recording refracted traverse waves in seismic prospecting. Izv.
AN SSSR, Ser. geofiz. no. 11:1309-1315 N '56. (MIRA 10:1)

1. Akademiya nauk SSSR Geofizicheskiy institut.
(Seismic waves) (Prospecting--Geophysical prospecting)

YEPINAT'YEVA, A.M.

Method for plotting maps of isocamplitudes of refraction waves, Trudy
Geofiz.no. 85:146-158 '56. (MIRA 16:1)
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