resonator(s), of the injection voltage and of the h-f power supplied to the resonator(s). Results: The prebuncher exerts a considerable effect on the operation of the accelerator. The experimental results agree with the theory. With φ = 20 - 40°, the electron bunches emerging from the prebuncher coincide in the accelerator at the equilibrium phase: this yields minimum width of spectrum and maximum current. At a phase of the phase scanner of φ = -(80 - 120°), the beam enters the accelerator in the phase range of electromagnetic traveling waves rendering bad bunching conditions. A prebuncher, even with one resonator, raises I to 3I, and reduces ΔU to $\Delta U/3$ - $\Delta U/4$. Use of two resonators raises the current by several times, but operation conditions become more sensitive and their proper choice is complicated. There are 6 figures.

SUBMITTED: May 27, 1961

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E192/E382

9,3130

AUTHOR: Yakovlev, D.A.

TITLE: The optimum Chebyshev linearisation of electron velocity as a function of voltage

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 5, no. 1, 1962, 131 - 134

TEXT: The kinematic theory of velocity-modulated electron devices is based on the formula:

$$v = v_o \left(1 + \frac{U_1}{2U_o} M \sin \omega t\right) \qquad (1)$$

where v is the electron velocity at the output of the high-frequency modulating gap,
v_o is the mean electron velocity,
U_1 is the voltage amplitude across the modulating gap of the resonator,
U_o is the accelerating voltage,

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The optimum Chebyshev ....

M is the electron-interaction coefficient,
ω is the angular frequency of the modulating signal and
t is time.

Eq. (1) is valid for small values of the modulation index $\alpha = U_1/U_o$ and at comparatively large α it results in significant errors in view of the fact that the electron velocity:

$$v = c\sqrt{1 - \frac{1}{\left[1 - \left(\frac{eU}{m_o c^2}\right)\right]^2}} \qquad (3)$$

is a nonlinear function of the accelerating voltage and the fact that Eq. (1) takes into account only the dependence of v on U at the point U_o. In Eq. (3) c is the velocity of light, e is the charge of an electron and m_o is its mass. A greater accuracy in Eq. (1) can be achieved if v = f(U) over

The optimum Chebyshev ....

an interval from $U_o - U_1$ to $U_o + U_1$ is approximated by a straight line in the Chebyshev manner (see Fig. 1). The maximum deviation of $v = f(U)$ from the straight line is $\pm \delta$. It is shown that this approximation leads to the following velocity-modulation formula:

$$v_{пр} = v_{опр}\left(1 + \frac{U_1 K(U_o, U_1)\cdot M}{K(U_o, U_1)\cdot U_o + v(0)} \sin \omega t\right) \qquad (19)$$

where $K(U_o, U_1)$ is defined by:

$$\left.\frac{d\, v(U)}{dU}\right|_{U=U\delta} = K(U_o, U_1) \qquad (12)$$

and $v(0)$ is indicated in Fig. 1. Eq. (19) gives higher accuracy even in the case of relativistic electron beams than Eq. (1) for non-relativistic electrons.

Card 3/4

The optimum Chebyshev ....

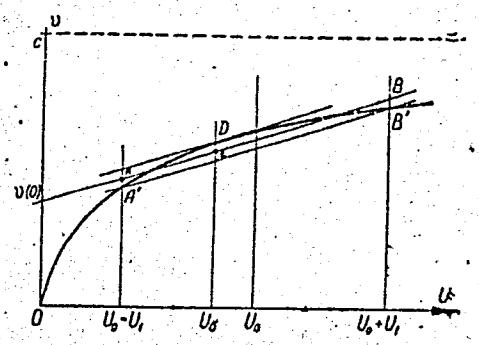
S/142/62/005/001/011/012
E192/E382

There are 2 figures.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR (Institute of Radio-engineering and Electronics of the AS USSR)

SUBMITTED: April 5, 1961

Fig. 1:



Card 4/4

ALEKHIN, S.V., doktor tekhn. nauk, prof.; GROKHOL'SKIY, N.F., kand. tekhn. nauk, dots.; ZOLOTNIKOV, I.M., kand. tekhn. nauk, dots.; KOCHUGOV, P.I., kand. tekhn. nauk, dots.; MALYSHEV, G.N., kand. tekhn. nauk, prof.; KHLEBNIKOV, M.S., kand. tekhn. nauk, retsenzent; PISAREV, N.G., kand. tekhn. nauk, dots., retsenzent; ODING, G.A., kand. tekhn. nauk, dots., retsenzent; KURENKOV, I.I., kand. tekhn. nauk, retsenzent; PROKOF'YEVA, Ye.I., inzh., retsenzent; YAKOVLEV, D.A., inzh., retsenzent; SERGEYEVA, I.N., red.

[Design of technological processes for the manufacture of billets and parts for the rolling stock of railroads; methodological manual on the technological aspects of diploma projects prepared in institutions of higher learning of railroad transportation] Proektirovanie tekhnologicheskikh protsessov proizvodstva zagotovok i detalei podvizhnogo sostava zheleznykh dorog; uchebno-metodicheskoe posobie po tekhnologicheskoi chasti diplomnogo proektirovaniia v vuzakh zheleznodorozhnogo transporta. Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta. Pt.1. 1964. 202 p.
(MIRA 18:3)

BABITSKIY, B.L.; VINITSKIY, L.Ye.; DROZDOVSKIY, V.F.; DYUBKO, L.D.; KAPLUNOV, Ya.N.; MELENT'YEVA, Z.G.; SHOKHIN, I.A.; Prinimali uchastiye: ZHIL'TSOVA, A.A.; LEVIT, R.G.; YAKOVLEV, D.A.

Effect of filling reclaimed rubber on the dielectrical properties of the reclaimed product. Kauch. i rez. 24 no.5:22-25 My '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta i Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

YAKOVLEV, D.D.

Production of pure staple suiting. Tekst.prom. 19 no.1:38-41 Ja '59. (MIRA 12:1)

(Textile fabrics) (Rayon)

YAKOVLEV, Dmitriy Filippovich; KUZNETSKIY, Gennadiy Ivanovic; BESHKIN, Grigoriy Mikhaylovich; FRENKEL', M.Z., nauchnyy red.; SHAKHOVA, L.I., red.; NESMYSLOVA, L.M., tekhn.red.

[Training of electricians for work on high-voltage power transmission lines and substations]Podgotovka elektromonterov vysokovol'tnykh linii peredachi i podstantsii. Moskva, Proftekhizdat, 1961. 90 p. (MIRA 15:10)
(Electricians--Education and training)

YAKOVLEV, Dmitriy Georgiyevich; NUDEL'MAN, Ol'ga Emmanuilovna; KOMAROV, V.F., kand. tekhn. nauk, retsenzent; BALANDIN, A.F., red.izd-va; SOKOLOVA, T.F., tekhn. red.

[Readjusted automatic lines of modernized multiple-purpose machine tools for the manufacture of taps] Perenalazhivaemye avtomaticheskie linii iz modernizirovannykh universal'nykh stankov dlia izgotovleniia metchikov. Moskva, Mashgiz, 1962. 226 p. (MIRA 15:3)
(Assembly line methods) (Automation)

YAKOVLEV, D.G., inzh.

Some methods for protecting hot water pipes from corrosion.
Elek. sta. 35 no. 4:34-36 Ap '64. (MIRA 17:7)

YAKOVLEV, D.G., inzh.

Calculating the cathodic protection of heaters and accumulators of hot water. Vod. i san. tekh. no.12:15-18 D '64
(MIRA 18:2)

YANSHIN, A.L.; PETRUSHEVSKIY, B.A.; ALEKSANDROVA, M.I.; BORSUK, B.I.; VOLIN, A.V.; ZUBKOVSKAYA, I.M.; YAKOVLEV, D.I.; BER, A.G.; BOROVIKOV, L.I.; BOYTSOVA, Ye.P.; [redacted], N.K.; BESPALOV, V.F.; SHLYGIN, Ye.D.; SPERANSKIY, B.F.; KHAKHLOV, V.A.; RAGOZIN, L.A.; DITMAR, V.G.; GORSKIY, I.I., red.; KASSIN, N.G., red.; FOMICHEV, V.D., red.; DZHVANOVSKIY, Yu.K., red.; CHIKHACHEV, P.K., red.; KOMISHAN, I.S., red.; DASHKOVA, A.D., red.; VODOLAGINA, S., tekhn. red.; VDOVINA, M.P., tekhn. red.

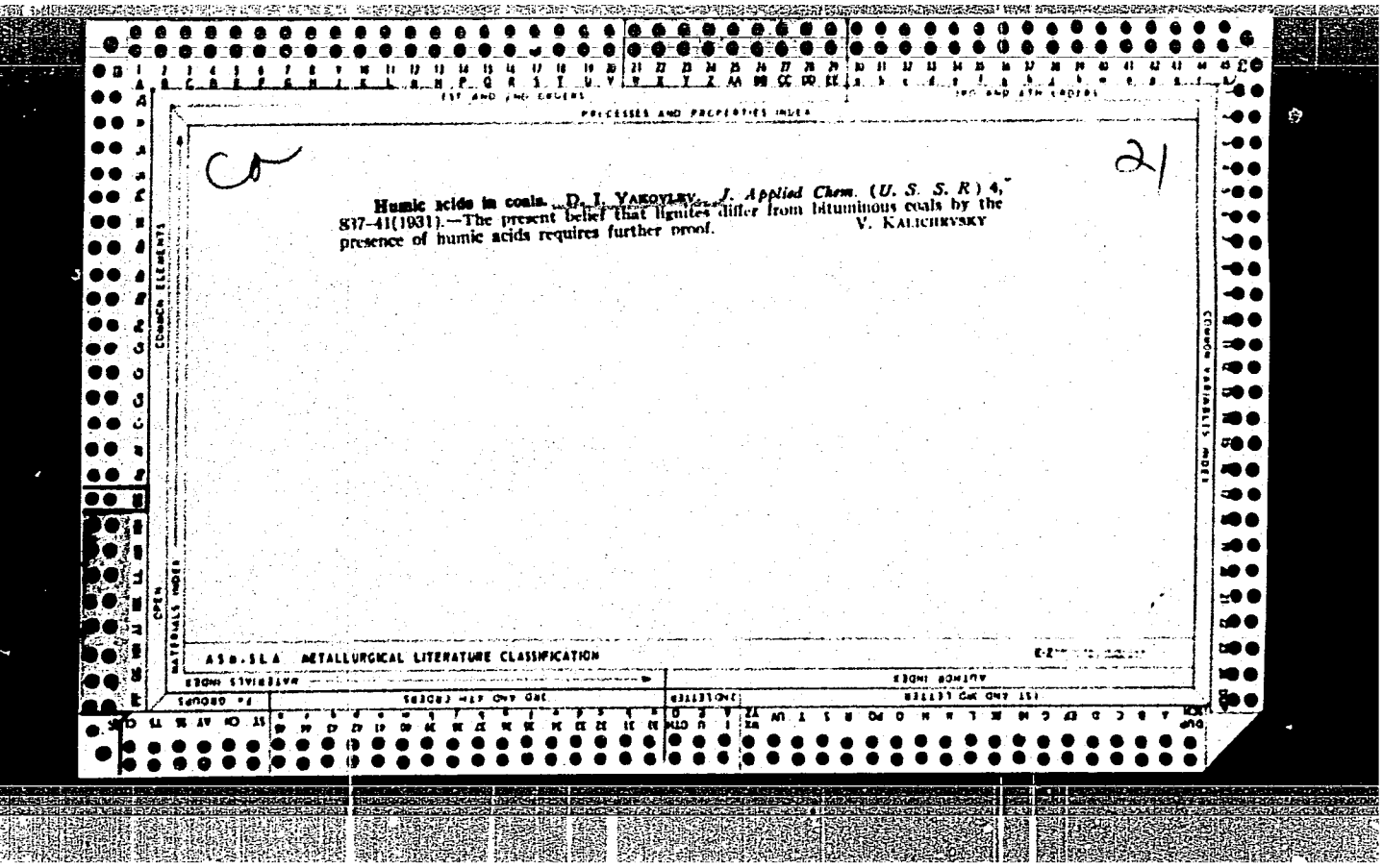
[Geological map of the U.S.S.R., scale 1:1,000,000] Geologicheskaia karta SSSR, masshtab 1:1,000,000. [Explanatory notes to accompany sheet] Ob"iasnitel'naia zapiska k listu. _____ L-40 [Emba] (Emba). 1949. 56 p. _____ L-41 [Kzyl-Orda] (Kzyl-Orda). 1946. 20 p. _____ L-42 [Karsakpay] (Karsakpai). 1949. 42 p. _____ M-41 [Turgay] (Turgai). 1948. 28 p. _____ M-43 [Karaganda] (Karaganda). 1947. 37 p. _____ N-42 [Petropavlovsk] (Petropavlovsk) 1947. 27 p. _____ N-44 [Novosibirsk] (Novosibirsk) 1948. 33 p. _____ O-45 [Tomsk] (Tomsk). 1949. 26 p. _____ O-49 [Kirensk] (Kirensk). 1947. 40 p. Moskva, Gos. izd-vo geol. lit-ry. (MIRA 11:8)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii.
(Geology--Maps)

BATISHCHEV-TARASOV, Stepan Dmitriyevich; YAKOVLEV, D.I., prof., doktor geologo-mineralog.nauk, nauchnyy red.; RZHEVUSKAYA, D.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

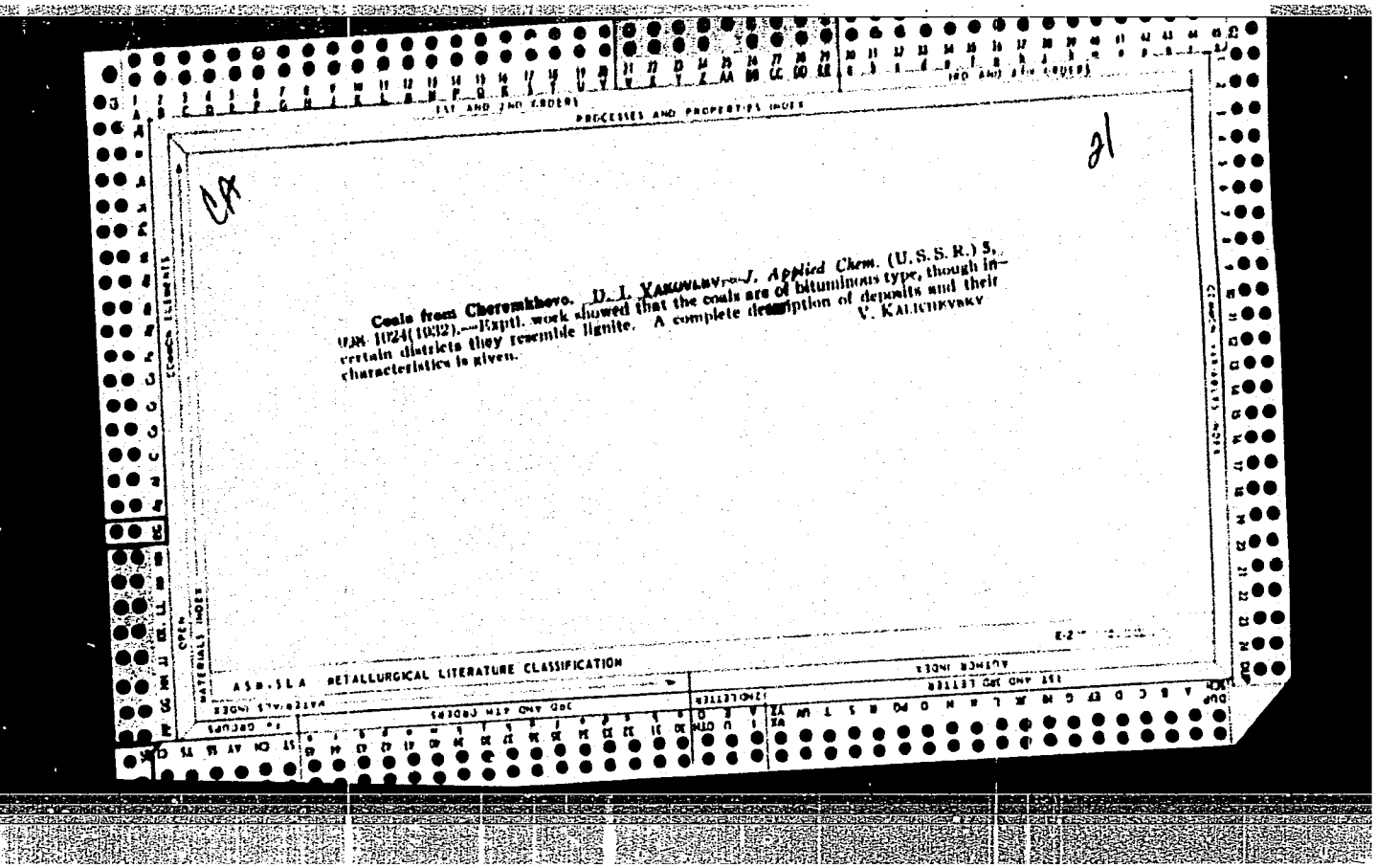
[Greater Turgay; useful minerals of the Turgay depression and prospects for their use in industry] Bol'shoi Turgai; poleznye iskopaemye Turgaiskogo progiba i perspektivy ikh promyshlennogo ispol'zovaniia. Moskva, Izd-vo "Znanie," 1959. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 9, no.16) (MIRA 12:8)

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for Batishchev-Tarasov).
(Turgay Gates--Mines and mineral resources)

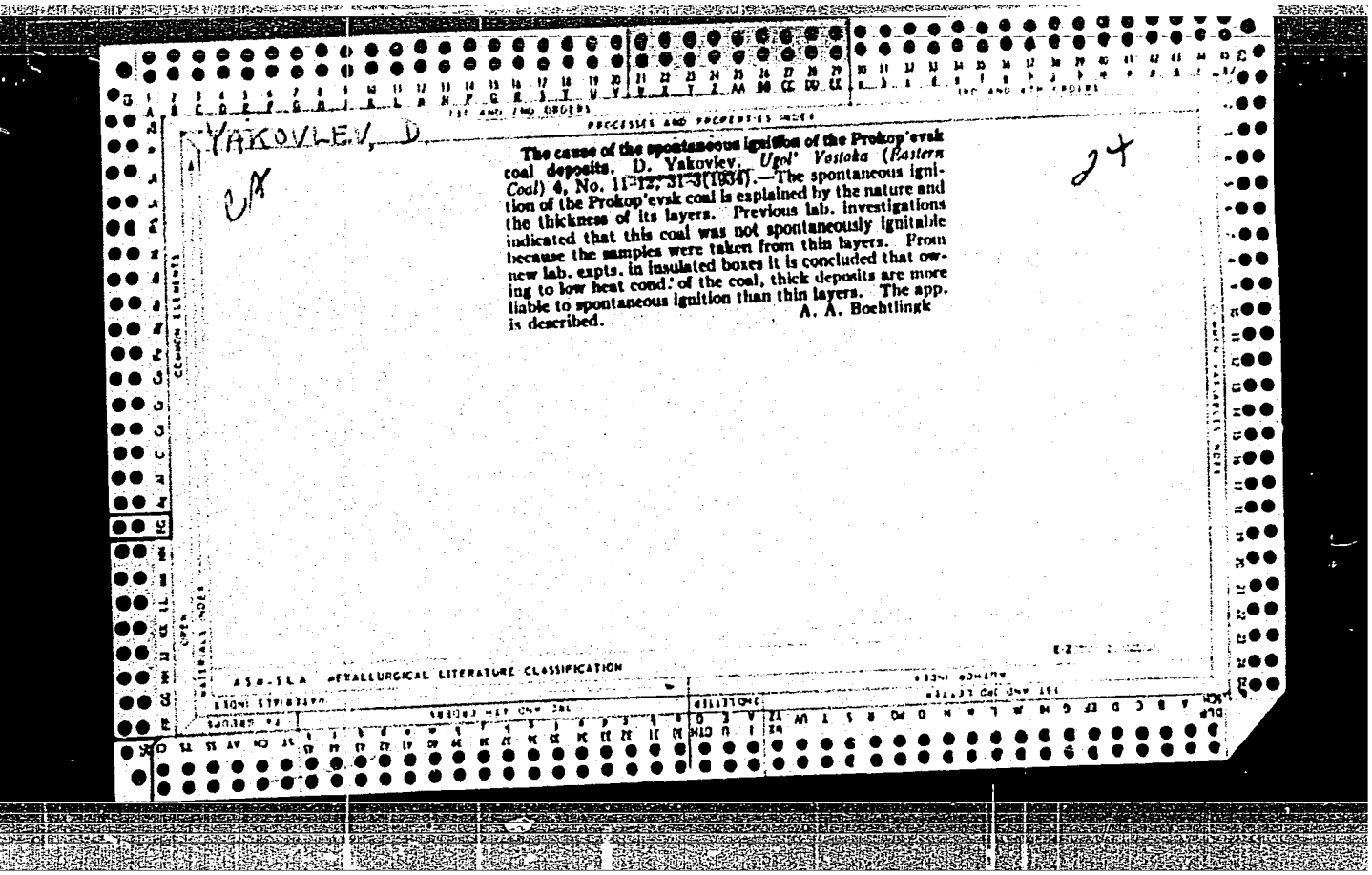


Humic acids in coals. D. I. YAROVLEV. *J. Applied Chem.* (*U. S. S. R.*) 4, 837–41(1931).—The present belief that lignites differ from bituminous coals by the presence of humic acids requires further proof. V. KALICHEVSKY

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



Coals from Cheremkhovo. D. I. YAKOVLEV. *J. Applied Chem.* (U.S.S.R.) 5, 1124(1932).—Exptl. work showed that the coals are of bituminous type, though in certain districts they resemble lignite. A complete description of deposits and their characteristics is given.
V. KALICHEVSKY



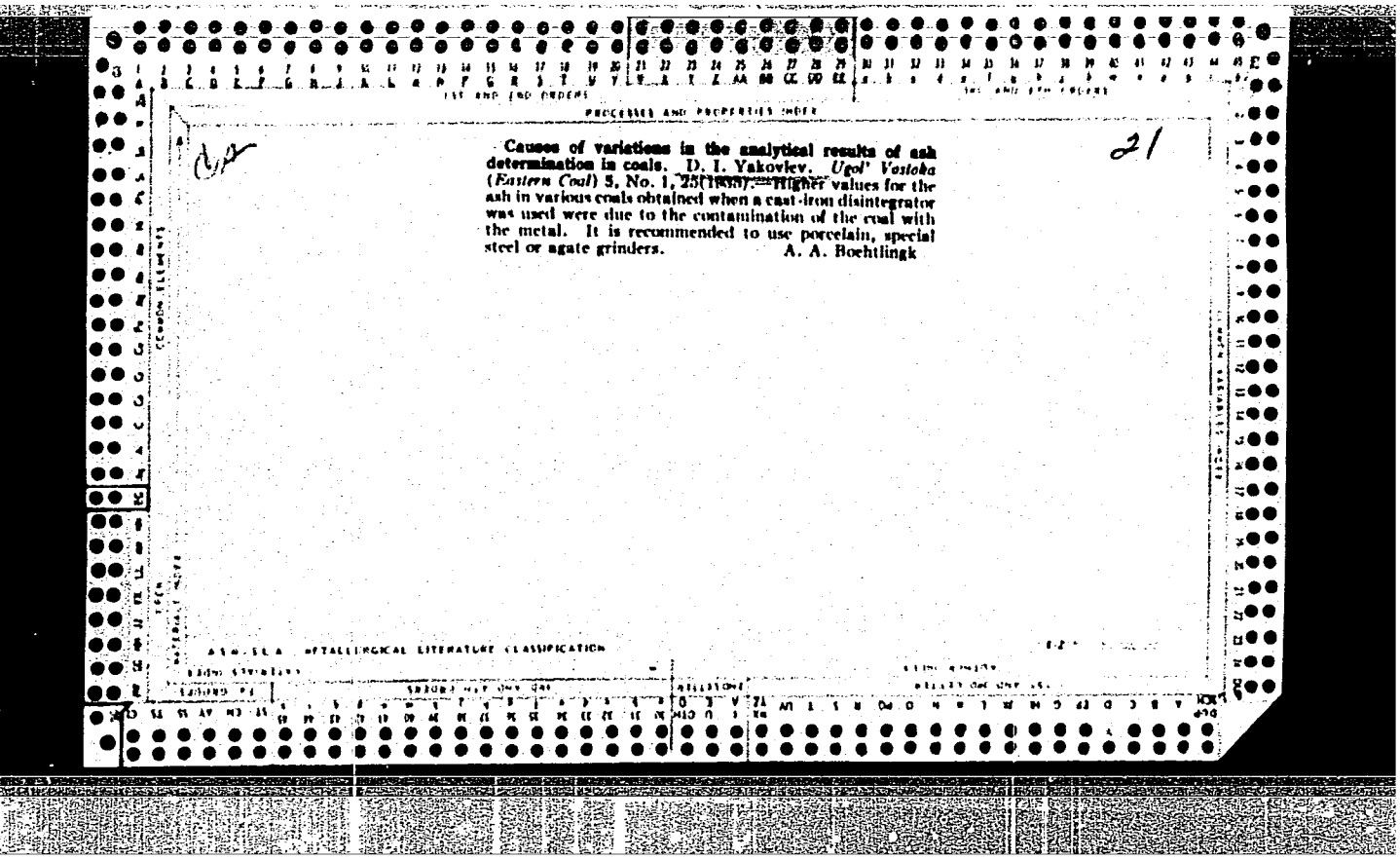
YAKOVLEV, D.

24

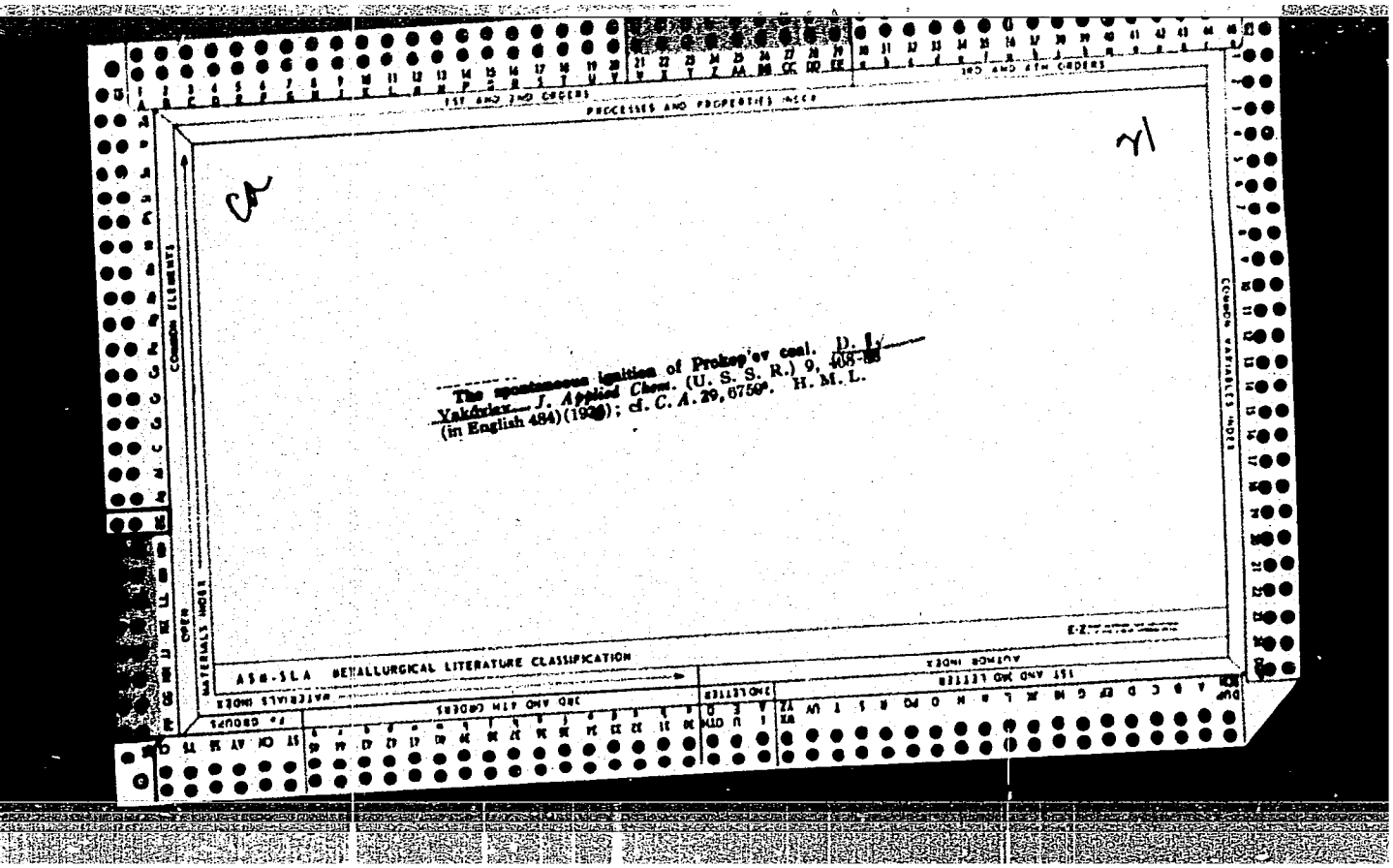
The cause of the spontaneous ignition of the Prokop'evsk coal deposits. D. Yakovlev. *Ugol' Vostoka* (*Eastern Coal*) 4, No. 11-12, 31-3 [1934].—The spontaneous ignition of the Prokop'evsk coal is explained by the nature and the thickness of its layers. Previous lab. investigations indicated that this coal was not spontaneously ignitable because the samples were taken from thin layers. From new lab. expts. in insulated boxes it is concluded that owing to low heat cond. of the coal, thick deposits are more liable to spontaneous ignition than thin layers. The app. is described.

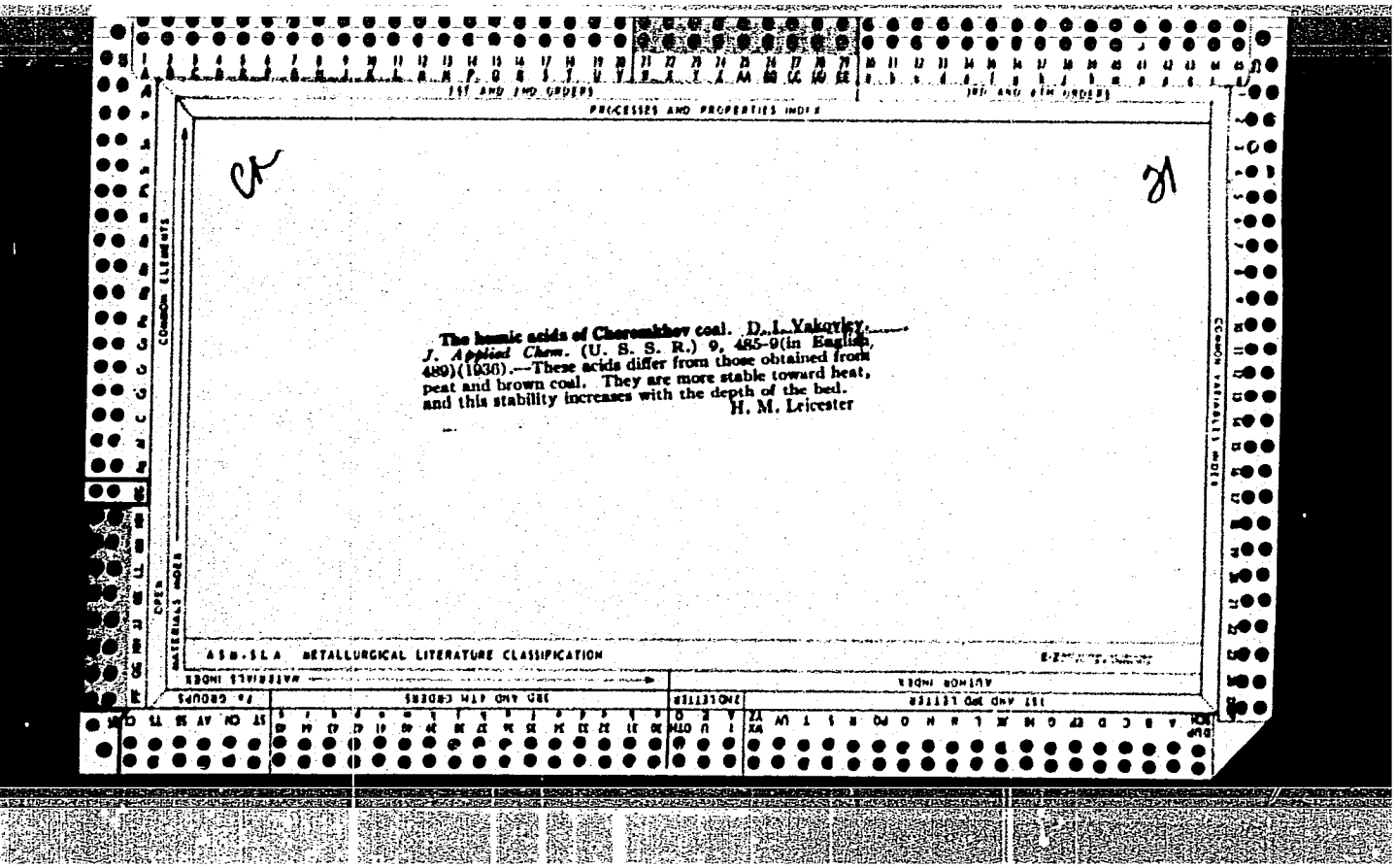
A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Causes of variations in the analytical results of ash determination in coals. D. I. Yakovlev. *Ugol' Vostoka* (*Eastern Coal*) 5, No. 1, 25(1930). Higher values for the ash in various coals obtained when a cast-iron disintegrator was used were due to the contamination of the coal with the metal. It is recommended to use porcelain, special steel or agate grinders. A. A. Boehtlingk





The humic acids of Cheremkhov coal. D. I. Yakovlev. *J. Applied Chem.* (U. S. S. R.) 9, 485-9(in English, 489)(1936).—These acids differ from those obtained from peat and brown coal. They are more stable toward heat, and this stability increases with the depth of the bed.
H. M. Leicester

YAKOVLEV, D.I.

[Chemical laboratories for coal analysis] Uglekhimicheskie laboratorii. Moskva, Ugletekhizdat, 1953. 277 p. (MLRA 7:6)
(Coal--Analysis)

YAKOVLEV, D. I.

YAKOVLEV, D.I., inzhener.

Ways of improving the work of chemical laboratories of coal trusts and mines. Nauch.rab. VUGI no.9:147-162 '53. (MLRA 7:7)

1. Khimiko-analiticheskaya laboratoriya.
(Coal--Analysis) (Chemical engineering laboratories)

Yakovlev, D.

USSR.

2859. SHORTCOMINGS IN METHODS OF CARRYING OUT [illegible]
Yakovlev, D.I. (Ugol' (Coal), [illegible]

VNII Ugleobogashchenie
(All-Union Sci. Res. Inst. of Coal Preparation)

YAKOVLEV, D.I.

Water supply conditions of virgin and idle lands in Northern Kazakhstan. Biul.MOIP. Otd.geol.30 no.4:115-117 Jl-Ag'55. (MLRA 8:12)
(Kazakhstan--Water supply)

YAKOVLEV, D. I.

New stockpile shapes preventing coal and shale from spontaneous ignition. Ugol' 32 no.6:39-40 Je '57. (MLRA 10:7)
(Coal mines and mining--Safety measures)
(Combustion, Spontaneous)

YAKOVLEV, Dmitriy Ignat'yevich; GARBER, T.N., otvetstvennyy red.; NADEINSKAYA, A.A., tekhn.red.; SABITOV, A., tekhn.red.

[Chemical laboratories for coal analysis] Uglekhimicheskie laboratorii. Izd. 2-oe, perer. i dop. Moskva, Ugletekhizdat, 1957. 375 p. (MIRA 11:2)
(Coal analysis)
(Chemical engineering laboratories)

YAKOVLEV, D.V.

OSIPOV, Sergey Ivanovich, inzh.; MIRONOV, Konstantin Aleksandrovich, inzh.; ROMADINA, Irina Vladimirovna, vrach; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Safety engineering manual for electric railroad crews] Pamiatka po tekhnike bezopasnosti lokomotivnym brigadam elektropodvizhnogo sostava. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 139 p. (MIRA 11:12)

(Electric railroads--Safety measures)

PETROV, Mikhail Petrovich; GERASEYEV, Aleksandr Yevdokimovich; KAZACHKIN, Valentin Ivanovich; YEZERSKIY, Vyacheslav Fedorovich; DASHKEVICH, Aleksandr Bronislavovich; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Locating and eliminating faults in the N8 electric locomotives] Obnaruzhenie i ustranenie neispravnostei na elektrovoze N8. Moskva, Gos.transp.zhel.dor.izd-vo, 1959. 170 p.
(MIRA 13:7)

(Electric locomotives)

GOLYNCHIK, Leonid Stepanovich; DMITRIYEV, Stepan Ivanovich; LUNENKOV, Vladimir Leonidovich; LUPKIN, Dmitriy Mikhaylovich; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Operation and repair of electric machinery on electric rolling stock] Ekspluatatsiia i remont elektricheskikh mashin elektropodvizhnogo sostava. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 223 p. (MIRA 12:6)
(Electric locomotives) (Electric machinery)

VITEVSKIY, Ivan Vasil'yevich; CHERNYAVSKIY, Simon Nisonovich; YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[Design and repair of direct current electric locomotives] Ustroistvo i remont elektrovozov postoiannogo toka. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 494 p. (MIRA 12:12)
(Electric locomotives)

SOV/105-59-2-23/25

8(6)

AUTHORS: Yakovlev, D. V., Kofman, D. B.

TITLE: V. K. Kalinin, N. M. Mikhaylov. Electric RR Rolling Stock (V. K. Kalinin, N. M. Mikhaylov. Elektropodvizhnoy sostav zheleznykh dorog)

PERIODICAL: Elektrichestvo, 1959, Nr 2, pp 94-95 (USSR)

ABSTRACT: Textbook for Railroad Traffic Engineering, 724 pages, price: roubles 25.30, published by Transzheldorizdat, 1957. This is a textbook on electric vehicles for main railroad lines. It represents the first attempt of generalization of the very extensive data on electric locomotives, electrounits and subway-coaches. The main types of electrical locomotives built and taken into service in the USSR and the most promising types of a.c. vehicles of foreign production are described The book comprises the following chapters: mechanical part of vehicles, d.c. machines, electrical apparatus and batteries circuit diagrams of d.c. vehicles, electrical equipment and circuit diagrams of single-phase vehicles, electrical part frequency. The domestic electric locomotive for alternating current, series NO is described in detail. For the first time also a detailed description of the single assemblies of the

Card 1/2

Card 2/2

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SOV/105-59-2-23/25

8(6)

AUTHORS: Yakovlev, D. V., Kofman, D. B.

TITLE: V. K. Kalinin, N. M. Mikhaylov. Electric RR Rolling Stock (V. K. Kalinin, N. M. Mikhaylov. Elektropodvizhnoy sostav zheleznykh dorog)

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Card 1/2

SOV/105-59-2-23/25

V. K. Kalinin, N. M. Mikhaylov. Electric Railroad Vehicles

electric locomotive ChS 1 and a few data of the electric locomotive N 60 are set forth. Finally it is pointed towards some errors in the book.

ASSOCIATION: Moskovskiy tekhnikum zheleznodorozhnogo transporta im. Dzerzhinskogo
(Moscow Polytechnic Institute for Railroad Traffic imeni Dzerzhinskiy)

Card 2/2

KOCHURAYEV, Lev Dmitriyevich; YAKOVLEV, D.V., inzh., red.; KHITROV, A.P., tekhn.red.

[Group contactors for d.c.electric locomotives] Gruppovye kontaktory elektrovozov postoiannogo toka. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 25 p. (MIRA 13:6)

(Electric locomotives) (Electric contactors)

PODOL'SKIY, Leonid Romanovich; PAPCHENKO, Nikolay Ivanovich; SLAVIN, Il'ya L'vovich; YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[Electric networks of the VL23 electric locomotive] Elektricheskie skhemy elektrovoza VL23. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1960. 147 p.
(Electric locomotives) (MIRA 13:11)

YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[VL23 electric locomotive without regeneration; information manual] Elektrovoz VL23 bez rekuperatsii; instruktsionnaia kniga. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 228 p. (MIRA 13:5)

1. Novocherkasskiy elektrovozostroitel'nyy zavod.
(Electric locomotives)

YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[Handbook on the N8 electric locomotive] Elektrovoz N8; instruktsionnaia kniga. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1960. 246 p. (MIRA 13:9)

1. Novocherkasskiy elektrovozostroitel'nyy zavod, Novocherkassk. (Electric locomotives--Handbooks, manuals, etc.)

GUTKIN, Lev Vladimirovich; NIKANOROV, Viktor Aleksandrovich; KOFMAN, David Borisovich; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Repair of electric trains; electrical section] Remont elektropodvizhnogo sostava; elektricheskaia chast'. Moskva, Vses. izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 331 p. (MIRA 13:11)

(Electric locomotives--Maintenance and repair)

KIRBYAT'YEV, Lev Nikolayevich; YAKOVLEV, D.V., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Reversers and switchgears of electric locomotives] Reversory i perekliuchateli elektrovozov. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 27 p. (MIRA 14:8)

(Electric locomotives--Electric equipment)

DYMAN, Zinoviy L'vovich; RUSETSKIY, A.A., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Individual contactors on d.c. powered electric locomotives] Individual'nye kontaktory elektrovozov postoiannogo toka. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 35 p. (MIRA 14:8)

(Electric locomotives)

VISIN, Nikolay Grigor'yevich; SKLYAROV, Yu.N., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; KHITROVA, N.A., tekhn. red.

[Synchronous starting of S^r and S^r_3 electric sections; practice of the workers of the Bezymyanka repair shop of the Kuybyshev Railroad] Sinkhronnyi pusk elektrosektsii S^r i S^r_3; opyt raboty kollektiva elektrodepo Bezymianka Kuibyshevskoi dorogi. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 42 p. (MIRA 14:7)
(Railroad motorcars) (Bezymyanka--Railroads--Repair shops)

TUSHKANOV, Boris Andreyevich; BOVE, Ye.G., kand. tekhn. nauk, retsenzent; YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn. red.

[Electric networks of the N8 electric locomotive] Elektricheskie skhemy elektrovozov N8. Moskva, Vses izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 65 p. (MIRA 14:10)
(Electric locomotives)

SEMENOV, Gennadiy Alekseyevich, inzh.; YERSHOV, Yevgeniy Fedorovich, inzh.; KOZLOV, Vitaliy Ivanovich, mashinist; NIKITIN, Geniy Nikolayevich, inzh.; KRYLOV, S.S., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; OSIPOV, S.I., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Detecting and eliminating defects in the electric circuits of a.c. electric locomotives] Obnaruzhenie i ustranenie neispravnostei v elektricheskikh tsepiakh elektrovozov peremennogo toka [By] G.A.Semenov i dr. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 127 p. (MIRA 15:3)

(Electric locomotives--Maintenance and repair)

PODOL'SKIY, Leonid Romanovich; PAPCHENKO, Nikolay Ivanovich; SLAVIN, Il'ya L'vovich; KAZACHKIN, V.I., inzh., retsenzent; YAKOVLEV, D.V., inzh., retsenzent; BOBROVA, Ye.N., tekhn. red.

[Detecting and eliminating defects in the VL23 electric locomotive] Obnaruzhenie i ustranenie neispravnostei elektrovoza VL23. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 143 p. (MIRA 14:10)
(Electric locomotives—Maintenance and repair)

YAKOVLEV, D.V., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[N60 electric locomotive; book of instructions] Elektrovoz N60; instruktsionnaia kniga. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1961. 221 p. (MIRA 14:12)

1. Novocherkasskiy elektrovozostroitel'nyy zavod.
(Electric locomotives)

YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[VL22^{m} electic locomotive; manual] Elektrovoz VL22^{m}; instruktsionnaia kniga. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 239 p. (MIRA 14:8)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo khozyaystva.
(Electric locomotives)

MARCHENKO, Yuriy Valentinovich; NIKITIN, Goniy Nikolayevich; BYSTRITSKIY, Kh.Ya., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; RAKOV, V.A., inzh., red.; USENKO, L.A., tekhn. red.

[Maintenance and operation of electric a.c. locomotives] Obsluzhivanie i ekspluatatsiia elektrovozov peremennogo toka. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 234 p. (MIRA 15:2)
(Electric locomotives)

YAKOVLEV, Dmitriy Vasil'yevich; RAKOV, V.A., inzh., retsenzent; LIBMAN, G.M., inzh., retsenzent; KHRAKOVSKIY, Ye.M., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[[Operation of d.c. electric locomotives and their maintenance] Upravlenie elektrovozami postoiannogo toka i obsluzhivanie ikh. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 269 p. (MIRA 14:12)
(Electric locomotives)

DYMAN, Z.L.; MAZO, S.Ya.; IL'IN, I.P., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Contactors and switches for d.c. electric trains] Kontaktory i perekliuchateli elektropoezdov postoiannogo toka. Moskva, Transzheldorizdat, 1963. 151 p. (MIRA 17:2)

VOROZHEYKIN, Dmitriy Ivanovich, inzh.; LIBMAN, Grigoriy Markovich; LEVIN, Boris Mordukhovich; BEKHTEREV, Ivan Andreyevich; CHERNYSHEVICH, Fedor Ignat'yevich; BOVE, Ye.G., kand. tekhn. nauk, retsenzent; TISHCHENKO, A.I., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Operation and maintenance of electric d.c. locomotives] Ekspluatatsiia i obsluzhivanie elektrovozov postoiannogo toka. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 341 p. (MIRA 14:8)
(Electric locomotives)

KHLEBNIKOV, V.N.; TUSHKANOV, B.A., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.

[Electric locomotive designs; mechanical section] Konstruktsii elektrovozov; mekhanicheskaia chast'. Moskva, Mashinostroenie, 1964. 302 p. (MIRA 17:12)

YAKOVLEV, D. Ya.

TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 260 - I

PHASE I

Call No.: TR927.I2

BOOK

Author: YAKOVLEV, D. YA.
Full Title: APPLIED PHOTOGRAPHY
Transliterated Title: Prikladnaya fotografiya

Publishing Data
Originating Agency: None
Publishing House: State Publishing House for Cinematography (GOSKINOIZDAT)
No. pp.: 76
No. of copies: 20,000

Date: 1952
Editorial Staff
Editor: None
Editor-in-Chief: None
Tech. Ed.: None
Appraiser: None

Text Data
Coverage: This is a small popular booklet about photographic printing (reproduction) on metals, glass, china, enamel, textile fabrics and wood. The most common formulas for coating solutions as well as for developers are given. Basic principles of photoengraving are outlined.

Purpose: This booklet might be intended for amateur photoengravers. This is a very popular presentation of the subject of photoengraving.

1/2

6.3000 (1024, 1035, 1141)
6.4780

87009

S/051/61/010/001/010/017
E201/E491

AUTHORS: Yakovlev, E.A. and Gerasimov, F.M.

TITLE: An Experimental Study of the Spectral Distribution of the Intensity of Polarized Light Diffracted by a Grating

PERIODICAL: Optika i spektroskopiya, 1961, Vol.10, No.1, pp.104-112

TEXT: The authors studied the reflection of monochromatic (λ = 0.4 to 1.7 μ) polarized light by diffraction gratings ruled on thin metal layers (line profiles were stepped). The reflection coefficients were measured, using apparatus shown schematically in Fig.1. A diffraction grating 7 was illuminated by a parallel beam of linearly polarized light from a grating monochromator 2 (3 and 4 are, respectively, the exit slit of the monochromator and a lens). The diffracted light was focused by means of a lens 8 onto a photocell 9. The reflection coefficients were found as the ratios of the intensities of a beam diffracted by a grating and a beam reflected by a plane aluminized mirror 6 placed in the beam instead of the diffraction grating. An incandescent lamp 1 was used as the source of light. A Rochon prism 5 was used to polarize the light. The photocurrent of

Card 1/3

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S/051/61/010/001/010/017
E201/E491

An Experimental Study of the Spectral Distribution of the Intensity of Polarized Light Diffracted by a Grating

the cell 9 was measured with a mirror galvanometer 10. In all, 40 plane gratings, with 200, 300, 600 and 1200 lines/mm, were studied. The spectral distributions of the diffracted light (Fig.2, 3 and 5) were displaced relative to one another when (a) the electric vector of incident light was parallel to the grating lines and when (b) electric vector was normal to the grating lines. The distribution for case (a) was always displaced towards shorter wavelengths with respect to the distribution for case (b). The displacement was proportional to the wavelength and inversely proportional to the grating constant (Fig.4). The displacement produced a change in the polarization of the diffracted light (the apparatus used for measurements of polarization is shown in Fig.7 and the results are plotted against wavelength in Fig.6). Replica gratings made of polymethyl methacrylate or gelatine did not exhibit this displacement which was characteristic of metals

Card 2/3

87009

S/051/61/010/001/010/017
E201/E491

An Experimental Study of the Spectral Distribution of the Intensity of Polarized Light Diffracted by a Grating

(Fig.8 and 9). There are 9 figures, 1 table and 4 references: 1 Soviet and 3 non-Soviet (one of which is translated into Russian).

SUBMITTED: March 21, 1960

Card 3/3

YAKOVLEV, E.A.; GERASIMOV, F.M.

Apropos of C.A.Palmer's remarks. Opt.i spektr. 13 no.1:106 Jl '62. (MIRA 15:7)

(Spectrum analysis)

L 3153-66 EWT(1) IJP(c)
ACCESSION NR: AP5016042

UR/0368/65/002/005/0402/0408
535.428

AUTHORS: Yakovlev, E. A.; Gersimov, F. M. 44,55

TITLE: Effect of errors in the profile of diffraction grating lines on the distribution of intensity in polarized light

SOURCE: Zhurnal prikladnoy spektroskopii, v. 2, no. 5, 1965, 402-408

TOPIC TAGS: diffraction grating, spectral distribution, light polarization, light reflection

ABSTRACT: In view of lack of detailed published data on the subject, the authors investigated gratings with 600 lines/mm, whose surfaces displayed visible variations of the reflective properties. In addition, echelettes with 50 lines/mm were investigated, in which there were defects on the reflecting surfaces in which defects were artificially produced on the surfaces by means of cutting longitudinal grooves or steps. The reflection coefficients of 600 lines/mm gratings were measured with apparatus described earlier (Opt. i spektr.

Card 1/2

L 3153-66
ACCESSION NR: AP5016042

v. 10, 1, 104, 1961). The distribution of intensity over the echelettes was measured with an infrared spectrometer (IKS-12) equipped an autocollimation monochromator. The results show that various defects on the reflecting faces of the grooves affect primarily the components in which the electric vector oscillates perpendicular to the grooves, thus causing a decrease in the reflection coefficient at the maximum and a distortion of the intensity distribution curve, owing to the stronger manifestation of the Wood's anomalies. In gratings with particularly large dimensions and a large number of lines per millimeter, these phenomena become more aggravated as a result of averaging of the reflecting properties over the entire grating surface, different sections of which differ slightly from one another not only in the shape of the groove faces, but also in the groove slopes and other defects. In view of the small dimensions, these defects cannot be investigated in sufficient detail. Orig. art. has: 2 figures.

ASSOCIATION: None

SUBMITTED: 04Jan65 ENCL: 00 SUB CODE: OP

NR REF SOV: 005 OTHER: 009

Card 2/2

L 11994-66 EWT(1) EJP(c) WW/GG

ACC NR: AP5022866 SOURCE CODE: UR/0051/65/019/003/0417/0424

AUTHOR: Yakovlev, E. A. 4455

ORG: none

TITLE: Calculation of the distribution of intensities by a diffraction grating in polarized light 21, 44, 55

SOURCE: Optika i spektroskopiya, v. 19, no. 3, 1965, 417-424

TOPIC TAGS: diffraction grating, spectral distribution, light diffraction, light polarization

ABSTRACT: The distribution of intensities by echelettes (ramp-profiled gratings) with different parameters of the line profiles was calculated by the method of W. C. Meecham (J. Appl. Phys. v. 27, 361, 1956). The calculations were made for different orders of the spectrum and for two states of polarization (electric vector perpendicular and parallel to lines of the gratings). Typical values of the reflection coefficient, obtained with three orders of the spectrum taken into account, agree in general with the results derived by the formula for the scalar theory of diffraction, except that the half widths of the maxima for the parallel component tend to be somewhat smaller and those for the perpendicular component somewhat larger. The maximum of the coefficient of reflection is smaller for the parallel component than for the perpendicular component by approximately the same factor in all orders. The effects of imaginary orders on the calculated results and the limits of applicability of the

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L 11994-66

ACC NR: AP5022866

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method are examined. The calculated and experimental results were found to be in satisfactory agreement for gratings with an angle of the order of 120° between the faces of the rulings. The results indicate clearly that the representation of the field by a superposition of plane waves is inadequate for gratings with a ramp profile. This is particularly true when the electric vector is parallel to the grating lines. The limitations of the earlier methods are discussed in brief. Orig. art. has: 5 figures and 4 formulas.

SUB CODE: 20/ SUBM DATE: 16Jun64/ ORIG REF: 001/ OTH REF: 008

Card 2/2

L 32625-66 EWT(1) IJP(c) WW/GG

ACC NR: AP6015596 SOURCE CODE: UR/0368/66/004/005/0454/0455

42
B

AUTHOR: Yakovlev, E. A.; Gerasimov, F. M.

ORG: none

TITLE: Investigation of integral reflectivity of a diffraction grating in polarized light

SOURCE: Zhurnal prikladnoy spektroskopii, v. 4, no. 5, 1966, 454-455

TOPIC TAGS: reflector diffraction grating, light reflection coefficient, LIGHT POLARIZATION

ABSTRACT: This is a continuation of an earlier study of the distribution of energy in the spectrum of a diffraction grating (Opt. i spektr. v. 19, 417, 1965) where it was observed that the sum of the reflection coefficients in all orders of the spectra differs with the polarization. The present paper reports the results of an experimental check of the previous calculations. The experiment was made with two gratings of 600 lines/mm, cut on aluminum and having lines with step-like profiles. The faces of the steps were at an angle of ~120°, and the face with the smaller slope made an angle of 10° or 23° in the two gratings, respectively. The apparatus used to measure the reflection coefficients, for near-normal incidence, was the same as described by the authors earlier (ZhPS v. 2, 402, 1965 and Opt. i spektr. v. 10, 104, 1961). The measurements were made in the λ/d (grating constant) range 0.35 - 1.8. The results show that for the parallel component the sum is close to 100% in both cases. In the case of the perpendicular component, the sum decreased sharply at wavelengths equal

UDC: 535.421

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L 32625-66

ACC NR: AP6015596

to the grating constant (λ/d) or smaller than this constant by an integer. The total reflection coefficient of the gratings was also measured directly with a spectrophotometer with integrating sphere, so that scattered radiation could also be taken into account. The results were comparable, although they could not be identical because the latter method was limited to visible light. The behavior of the sum of the reflection coefficients, and also its dependence on the depth of the grating line, the wavelength, and the polarization, are similar to those observed for the intensity distribution in the region of the Wood anomaly, thus indicating a connection between the two. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 05Jul65/ ORIG REF: 003/ OTH REF: 002

Card 2/2

ACC NR: AP7007061 SOURCE CODE: UR/0368/66/004/004/0339/0341

AUTHOR: Yakovlev, E. A.; Gerasimov, F. M.

ORG: none

TITLE: Nature of the polarizing action of a diffraction grating

SOURCE: Zhurnal prikladnoy spektroskopii, v. 4, no. 4, 1966, 339-341

TOPIC TAGS: light polarization, optics

SUB CODE: 20

ABSTRACT: It is shown that the polarizing properties of gratins depend upon the penetrating depth of differently polarized waves into the grooves. It is possible to lower the degree of polarization by appropriate variation of the grating profile. [Based on authors' English Abstract] Orig. art. has: 2 figures. [JPRS: 35,883]

Card 1/1 UDC: 535.421

ACC NR: AP7006035 SOURCE CODE: UR/0368/66/005/002/0257/0259

YAKOVLEV, E. A., GERASIMOV, F. M.

Dependence of the Polarizing Action of Diffraction Gratings on the Line Profile Parameters"

Moscow, Zhurnal Prikladnoy Spektroskopii (Journal of Applied Spectroscopy), Vol 5, No 2, Aug 66, pp 257-259

Abstract: One of the basic peculiarities of the polarizing action of gratings with stepwise profile is the change in degree of polarization across the spectrum. This is caused by the relative shift in the distribution curves for the intensity of the two polarization states. Consequently, the authors experimentally investigated the effect of slanted groove sides on the distribution intensity of polarized light. Tests carried out on gratings with 50 lines/mm showed that the slanted sides affect mainly the intensity ratio of the maxima of the two polarizations, while their relative positions change only slightly. Consequently, the polarization of diffracted radiation cannot be substantially altered by changing the angle between the sides of the grooves. Orig. art. has: 1 figure, 1 formula, and 1 table. [JPRS: 38,491]

ORG: none

TOPIC TAGS: light polarization, light diffraction

SUB CODE: 20 / SUBM DATE: 05Jul65 / ORIG REF: 005 / OTH REF: 002

Card 1/1 UDC: 535.421

YAKOVLEV, F., podpolkovnik

Active fighters of the party. Komm. Vooruzh. Sil 4 no.2:46-50 Ja '64. (MIRA 17:9)

YAKOVLEV, F., podpolkovnik

In the party organization of astronauts. Av. i kosm. 47 (ekstr. vyp.): 41-47. O '64. (MIRA 18:3)

YAKOVLEV, F., inzhener.

The progressive practices of the Moscow Basin miners should be used in all other basins. Mast.ugl. 5 no.10:3-6 O '56.
(Moscow Basin--Coal mines and mining) (MLRA 9:12)

SOV/92-59-1-6/36

14(5)

AUTHOR: Yakovlev, F., Instructor

TITLE: Communist Labor Crews (Brigady kommunisticheskogo truda)

PERIODICAL: Neftyanik, 1959, Nr 1, pp 8-9 (USSR)

ABSTRACT: The author states that at the meetings held in petroleum enterprises of the Tatar Republic in connection with N.S. Khrushchev's report to the Twenty First Congress of the Communist Party of USSR the drillers, assemblers, mechanics and other personnel of oilfields discussed and approved target figures proposed for the development of the Soviet national economy during the 1959 - 1965 period. The personnel of various enterprises, shops and organizations has pledged to fulfill the annual petroleum production plan ahead of time. Stimulated by socialist competition, the personnel working under the Bugul'maneft' Administration was particularly successful in completing their program of work. As a result of strenuous efforts made by the personnel of various oilfields, the cost of construction work dropped and a considerable saving was realized. Certain drilling crews have pledged to overfulfill their assignment every month so as to join the ranks of the "communist labor crews". The author indicates those drilling crews and organizations belonging to the Al'met'yevneftestroy and Tatburneft' trusts which have shown particular zeal and enthusiasm in accomplishing their job program ahead of time.

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SOV/92-59-1-6/36

He further indicates those which have undertaken an obligation to break drilling speed records, to save material and to acquire a second skill that will facilitate their work, and improve the organizational setup. A large number of oilfield crews struggle for the right to be called "the communist labor crew". At present the number of such communist labor crews is continuously growing in all enterprises of the Tatar Republic. It is therefore expected that a new peak in the field of oil production will be hit in the near future.

ASSOCIATION: Tatarskiy obkom profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti (The Tatar Oblast Committee of the Trade Union of the Petroleum and Chemical Industry Workers)

YAKOVLEV, F., podpolkovnik

We shouldn't tolerate complacency and conceit. Komm.Vooruzh. (MIRA 15:5)
Sil 2 no.10:39-44 My '62.
(Russia—Army—Political activity)

YAKOVLEV, F.

Yakovlev, F. - "The development of animal husbandry in Leningrad Oblast", Propaganda i agitatsiya, 1949, No. 10 p. 60-63.

SO: U-4631, 16 Sept. 53,(Letopis 'Zhurnal 'nykh Statey, No. 24, 1949).

1. YAKOVLEV, F.

2. USSR (600)

4. Swine

7. Work practice of the "Vasileostrovskii" State Farm, Sov. torg., No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

YAKOVLEV, F.A.

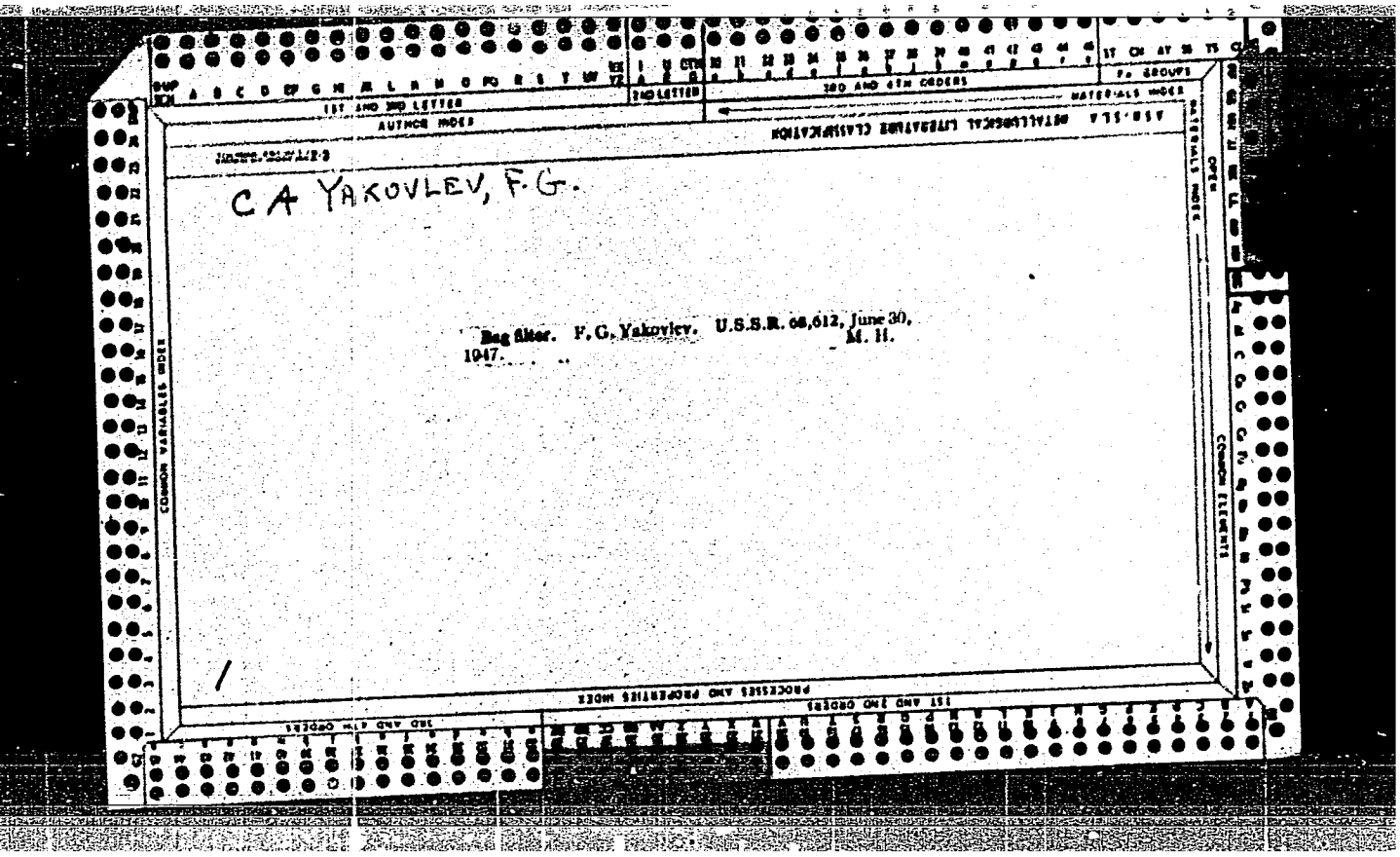
DOLGOBORODOV, Ivan Vasil'yevich, zasluzhennyy zootekhnik RSFSR; YAKOVLEV, Fedor Arsent'yevich; KAZANSKIY, M.M., redaktor; VOROB'YEV, F.I., redaktor; VODOLAGINA, S.D., tekhnicheskiy redaktor

[Work practice of the Yelizavetino machine-tractor station in stockbreeding] Opyt raboty Elizavetinskoi MTS po zhivotnovodstvu. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 98 p. (MLRA 9:9)

1. Glavnyy zootekhnik Leningradskogo oblastnogo upravleniya sel'skogo khozyaystva (for Yakovlev)
(Leningrad Province--Stock and stockbreeding)

DOLGOBORODOV, I.V., zasluzhennyy zootekhnik RSFSR; ZIMINA, K.I.; PISKAREV, A.G.; YAKOVLEV, F.A.; BOLOGOV, G.N., red.; BARANOVA, L.G., tekhn.red.

[Brief manual on dairy cattle raising] Kratkii spravochnik po molochnomu zhivotnovodstvu. Leningrad, Gos.izd-vo sel'khoz. lit-ry, 1960. 295 p. (MIRA 14:2)
(Dairy cattle)



YAKOVLEV, F.I., dotsent

A.P.Chekhov in the Moscow University Hospital Therapeutic Clinic; 50th anniversary of his death. Terap.arkh. 26 no.4:3-6 Jl-Ag '54. (MLRA 7:11)
(CHEKHOV, ANTON PAVLOVICH, 1860-1904)

YAKOVLEV, F. I.

YAKOVLEV, F. I.: - "Methods of intra-school control of the lectures on school subjects". Moscow, 1955. Academy of Pedagogigcal Sciences RSFSR, Inst of the Theory and History of Pedagogy. (Dissertation for the Degree of Candidate of Pedagogic Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

YAKOVLEV, Fedor Ivanovich; KIRYUSHKIN, Dmitriy Maksimovich; VOROB'YEV, Gennadiy Vasil'yevich; KULIKOV, V.N., red.; POLUKARPOVA, Ye.K., tekhn. red.

[Laboratory practice for students] Laboratorno-prakticheskie raboty uchashchikhsia. Moskva, Izd-vo APN RSFSR, 1963. 229 p. (MIRA 16:8)
(Science--Problems, exercises, etc.)

YAKOVLEV, F.I., inzh.

Causes of the formation of cracks on the crankshaft journals during induction hardening. Trakt. i sel'khozmash. 33 no.5:39-41 My '63. (MIRA 16:10)

1. Zavod "Serp i molot".

YAKOVLEV, F.I., inzh.

High-frequency current hardening of camshafts from cast iron with spheroidal graphite. Trakt. i sel'khozmash. no.8:34-36 Ag '64. (MIRA 17:11)

1. Khar'kovskiy motorostroitel'nyy zavod "Serp i molot".

KARAUSHEV, A.V.; SOLOV'YEV, N.Ya.; YAKOVLEV, F.I.; ROMANOVSKIY, V.V.

Improvement of devices and equipment used in studying sediments of reservoirs. Trudy GGI no.111:122-130 '64. (MIRA 17:6)

YAKOVLEV, F.I.; MEL'NIKOV, I.P.

Correcting casting defects in the crankcase block of the SMD diesel. Lit.proizv. no.10:37-38 O '64. (MIRA 18:4)

YATCHENKO, S.V., kand. tekhn. nauk; ZAYTSEV, A.I., inzh.; YAKOVLEV, F.I., inzh.; VAKHTEL', V.Yu., inzh.

Surface hardening of AlloV alloy by burnishing. Mashinostroenie no.3:38-40 My-Je '65. (MIRA 18:6)

YAKOVLEV, F.P.

The Trade Union Committee attracts workers to take part in the industrial administration. Neftianik 5 no.9:25 S '60. (MIRA 13:9)

1. Inspektor Tatarskogo obkoma profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti.
(Petroleum industry)

YAKOVLEV, F. S.

YAKOVLEV, F. S. "The anatomical structure of the trunk of the Karelian birch", Izvestiya Karelo-Fin. nauch.-issled. bazy Akad. nauk SSSR, 1949, No. 1, p. 3-10,- Bibliog: 3 items.

SO: U-4393, 19 August 53 , (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

YAKOVLEV, F.S.

KOLPIKOV, M.V., doktor biologicheskikh nauk, otvetstvennyy redaktor; KOMSHILOV, N.F., kandidat tekhnicheskikh nauk, redaktor; YAKOVLEV, F.S., kandidat biologicheskikh nauk, redaktor; KISHCHENKO, T.I., kandidat sel'skokhozyaystvennykh nauk, redaktor; SHIPEROVICH, V.Ya., kandidat biologicheskikh nauk, redaktor; TVERITINOVA, K.S.tekhnicheskiy redaktor.

[Collected articles on investigation results concerning forestry and lumbering in the taiga zone of the U.S.S.R.] Sbornik statei po rezul'tatam issledovanii v oblasti lesnogo khoziaistva i lesnoi promyshlennosti v taezhnoi zone SSSR. Moskva, 1957. 301 p. (MLRA 10:6)

1. Akademiya nauk SSSR.Karel'skiy filial. Petrozavodsk. (Forests and forestry)

YAKOVLEV, F. S.

USSR / Forestry. Biology and Typology of the Forest. K-1

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24856.

Author : Yakovlev, F. C.
Inst : Not given.
Title : Some Results and Problems of Studies of the Forests of the Karelian ASSR.

Orig Pub: Sb. statei po rezultatami issled. v obl. lesn. khva i lesn. prom-sti v taezhn. zone SSR. M. - L., AN SSR, 1957, 29-35.

Abstract: The general condition of scientific investigations is briefly described. As a result of the study, general notions of the types of forests of Karelia are given. The division of the forests of the Western regions is into two sub-zones - the middle and the northern. The latter is divided into two zones - the northern and the southern. The southern one

Card 1/2

USSR / Forestry. Biology and Typology of the Forest. K-1

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24856.

Abstract: is notable for the predominance of pine forests. The types of forests fall into 3 economic categories: the types with forest of industrial significance, the types with protective and water-protective significance, and types with the transformation of territory in agricultural lands.

Card 2/2

YAKOVLEV, F.S.; VORONOVA, V.S.; VILIKAYNEN, M.I., kand. biol. nauk, nacunyy red.; PANKRASHOV, A.P., red.; POD"EL'SKAYA, K.M., tekhn. red.

[Forest types in Karelia and their natural zoning] Tipy lesov Karelii i ikh prirodnoe raionirovanie. Petrozavodsk, Gos. izd-vo Karel'skoi ASSR, 1959. 189 p. (MIRA 15:4)
(Karelia--Forests and forestry)

YAKOVLEV, G.

In the Astrakhan aeroclub. Kryl.rod. 3 no.8:8 Ag '52. (MIRA 8:8)
(Astrakhan--Aeronautics--Societies)

YAKOVLEV, G. (g. Tambov)

Aeroclub and primary organizations. Kryl.rod. 3 no.12:11 D '52.
(Tambov--Military education) (MLRA 8:8)

DECEASED

YAKOVLEV, G.B., polkovnik meditsinskoy sluzhby [deceased]

First instructions for field surgeons in Russia. Voen.-med.zhur. no.9:91-92 S '51. (MLRA 9:9)

(MEDICINE, MILITARY--HISTORY)

YAKOVLEV, G.B.

Characteristics of lead traces on the western slope of the Southern Urals. Mat. po geol. i pol.iskop. IUzh.Urala no.1:64-70 '56. (MLRA 10:3)

(Ural Mountains--Lead ores)

YAKOVLEV, G.D., kand.tekhn.nauk

Operational conditions of booms installed in the headrace of dams in mountain rivers. Sbor. nauch. trud. po lesospl. no.2: 159-170 '57. (MIRA 11:7)
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