KOVALEV, S.A.

Forecasting geographical distribution of population in accordance with the development of economic regions. Nauch.dokl.vys.shkoly; geol.-geog.nauki no.1:114-120 '58. (MIRA 12:2)

1. Moskovskiy universitet, geograficheskiy fakul'tet, kafedra ekonomicheskoy geografii SSSR.
(Geography, Economic)

KOVALEV, S.A.

"Economic geography of Hungary" by I.M.Maergoiz. Reviewed by S. A. Kovalev. Vest. Mosk. un. Ser. biol. pochv., geol.,geog. 13 no. 1:231-233 '58. (MIRA 11:7)

(Hungary--Geography, Economic)
(Maergoiz, I.M.)

KOVALEV, S.A.

Work of Belgian geographers on agricultural questions. Vop. geog. no.43:188-189 '58. (MIRA 12:5)
(Belgium--Geography, Economic)
(Belgium--Agriculture)

KOVALEV, S.A.

Geographical study of rural settlements abroad. Vop.geog. no.44: 178-200 '58. (MIRA 12:5)
(Anthropogeography)

KOVALEV, S.A.

Geography of population in collected studies published by schools of higher education in 1948-1957. Nauch.dokl.vys.shkoly; geol.-geog. nauki no.1:229-237 '59. (MIRA 12:6)

1. Moskovskiy universitet, geograficheskiy fakul'tet, kafedra ekonomicheskoy geografii.
(Geography, Economic)

KOVALEV, S.A.

Fundamental problems in the typology of population settlement.
Vop.geog. no.45:8-22 '59. (MIRA 12:5)
(Cities and towns--Growth)

SAUSHKIN, Yu.G.; KALASHNIKOVA, T.M.; STEPANOV, P.N.; KOVALEV, S.A.; NIKOL'SKIY, I.V.; LEBEDEVA, V.P.

Main economic regions of the U.S.S.R. Vop. geog. no.47:42-73 '59. (MIRA 13:1)

(Economic zoning)

30(13)

SOV/10-59-4-14/29

AUTHOR: Davidovich, V.G., Kovalev, S.A., and Pokshishevskiy, V.V.

TITLE: Basis of Classifying USSR Settlements (In Connection with the Purposes of Economic Geography)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 4, pp 106-116 (USSR)

ABSTRACT: The article is concerned with basis of classifying USSR settlements (for the purposes of economic Geography) according to their functions (should they be looked upon as urban places or purely rural settlements) and population density. The present-day classification into sel'skiye poseleniya (rural settlements), poselki gorodskogo tipa (urban places), and goroda (cities) is inadequate since it does not reflect the latest developments in the Soviet economic geography. The author proposes to create an additional group - small, non-rural settle-

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Basis of Classifying USSR Settlements (In Connection with the Purposes of Economic Geography)

ments with 50-500 people and no more than 35 % employed in agriculture (Figure on p 111). Among other things, the article gives the following statistical data: according to the TsSU USSR, 57% of the Soviet population were employed in 1956 in industry and 43 % - in agriculture; in 1957, there were 78,900 kolkhozes and 5,800 sovkhozes in the USSR; at the beginning of 1959, the number of Soviet cities with a population of more than 10,000 came to 1,188; their total amounted to 79,700,000 or 38% of the Soviet population. The article also cites author O.A. Konstantinov and the following organizations: Komissiya geografii naseleniya i gorodov Moskovskogo filiala Geograficheskogo obshchestva (Committee on the Geography of Both Population and Cities of the Moscow Branch of the Geographical Society); Moskovskiy

Basis of Classifying USSR Settlements (In Connection with the Purposes of Economic Geography)

filial Geograficheskogo obshchestva SSSR (Moscow Branch of the Geographical Society USSR). There is 1 diagram and 15 references, 1 of which is French and 14 Soviet.

ASSOCIATION: 1) Moskovskiy inzhenerno-ekonomicheskiy institut (Moscow Institute of Engineering and Economics)
2) Moskovskiy gos. universitet im. V.M. Lomonosova (Moscow State University imeni V.M. Lomonosov)
3) Vsesoyuznyy institut nauchno-tekhnicheskoy informatsii AN SSSR (All-Union Institute of Scientific and Technical Information, AS USSR)

KOVALEV, S.A.

Studying the geography of population at Moscow University. Vest. Mosk. un. Ser. 5: geog. 16 no.6:9-17 N-D '61. (MIRA 14:11)

1. Kafedra ekonomicheskoy geografii SSSR Moskovskogo universiteta.
(Population)

DAVIDOVICH, V.G.; KOVALEV, S.A.; MINTS, A.A.; NAZAREVSKIY, O.R.;
POKSHISHEVSKIY, V.V.; POMUS, I.M.; RYAZANTSEV, S.N.;
FREYKIN, V.G.; KHOREV, B.S.

Nikolai Ivanovich Lialikov; obituray. Izv. AN SSSR. Ser. geog
no.1:166-167 Ja-F '62. (MIRA 15:2)
(Lialikov, Nikolai Ivanovich, 1900-1961)

KOVALEV, S.A.

"Population of the U.S.S.R." by P.G. Pod'iachikh. Reviewed by S.A. Kovalev. Geog. v shkole 25 no.1:90-93 Ja-F '62. (MIRA 15:1)
(Russia—Population)
(Pod'iachikh, P.G.)

NOVALEV, S.A.

Types of settlements, regional centers of the U.S.S.R. Vop. geog. no.56:54-72 '62. (MIRA 15:7)
(Cities and towns)

KOVALEV, S.A.

Work of the First Interdepartmental Scientific Conference on the Geography of Population; January 30 to February 3, 1962. Vest. Mosk.un.Ser.5: Geog. 17 no.3:67-69 My-Je '62. (MIRA 15:8)
(Russia—Population—Congresses)

KOVALEV, S.A.

Future geography of the rural distribution of population. Vop. geog. no.57:89-120 '62. (MIRA 15:10)
(Villages)

KOVALJOV, S.A. [Kovalev, S.A.], a foldrajzi tudomanyok kandidatusa

Debate about Edit Petri's dissertation for candidacy entitled "Agricultural geography of Borsod County." Foldrajzi Ll no.3:386-393 '62.

KOVALEV, S.A., inzh., red.; IFTINKA, G.A., red.izd-va; MOCHALINA, Z.S., tekhn. red.

[Plastic bottle syphons with outlets for wash stands; inter-Republic specifications (MRTU 7-7-62)] Sifony butylochnye (s vypuskom) iz plastmass dlia umyval'nikov; mezhrespublikanskie tekhnicheskie usloviia (MRTU 7-7-62). Moskva, Gosstroiizdat 1962. 7 p. (MIRA 16:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Sanitation, Household)

DAVIDOVICI, V.G. [Davidovich, V.G.]; KOVALEV, S.A.; POKSISEVSKI, V.V. [Pokshishevskiy, V.V.].

Bases of classification of populated in the U.S.S.R.
Analele geol geogr 14 no.2:156-169 Ap-Je '60.

KOVALEV, S.A., inzh., red.; CHERNIN, L.A., inzh., red.; POGORELYY, P.P., inzh., red.; KLIMOVA, G.D., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.I. Sec.G. ch.8.[Gas supply; indoor installations. Materials, equipment, fixtures, and parts] Gazosnabzhenie; vnutrennie ustroistva. Materialy, oborudovanie, armatura i detali. (SNiP I-G. 8-62). 1963. 16 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Chernin). 3. Institut Mosgazproyekt (for Pogorelyy).

BYKOV, V.D., red.; ZVONKOVA, T.V., red.; GLADKOV, N.A., red.; KOVALEV, S.A., red.; KOSOV, B.F., red.; MARKOV, K.K., red.; RYABCHIKOV, A.M., red.; SAUSHKIN, Yu.G., red.; SIMONOV, Yu.G., red.; KHRUSHCHEV, A.T., red.; BOKOVETSKIY, O.D., red.; KONOVALYUK, I.K., mladshiy red.; GOLITSYN, A.V., red.kart; KOSHELEVA, S.M., tekhn. red.

[Soviet geography during the period of the building of communism] Sovetskaia geografiia v period stroitel'stva kommunizma. Moskva, Geografgiz, 1963. 486 p. (MIRA 16:10)

(Geography)

KOVALEV, S.A., prof.

All-Union forum of geographers. Priroda 53 no.5:113 '64.
(MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

KOVALEV, S.A.

Electrical activity of single myocardial fibers. Trudy MOIP. Otd. biol. 9:105-114 '64. (MIRA 18:1)

1. Moskovskiy universitet.

KOVALEV, S.A.; CHAYLAKHYAN, L.M.

Effect of some conditions of intracellular lead derivation on the recorded potentials. Trudy MOIP. Otd. biol. 9:175-179 '64.
(MIRA 18:1)

1. Institut biofiziki AN SSSR, Moskva.

BERKINBLIT, M.B.; KOVALEV, S.A.; SMOLYANINOV, V.V.; CHAYLAKHYAN, L.M.

Inlet resistance of syncytial structures. Biofizika 10 no.2:309-316 '65. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

BERKINBLIT, M.B.; KOVALEV, S.A.; SMOLYANINOV, V.V.; CHAYLAKHYAN, L.M.

Electric structure of the myocardial tissue. Dokl. AN SSSR 163 no.3: 741-744 Jl '65. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR. Submitted August 22, 1964.

ARSHAVSKIY, Yu.I.; BERKINBLIT, M.B.; KOVALEV, S.A.; SMOLYANINOV, V.V.; CHAYLAKHYAN, L.M.

Role of dendrites in the functioning of nerve cells. Dokl. AN SSSR 163 no.4:994-997 Ag '65. (MIRA 18:8)

1. Institut biologicheskoy fiziki AN SSSR. Submitted August 21, 1964.

BERKINBLIT, M.B.; KOVALEV, S.A.; SMOLYANINOV, V.V.; CHAYLAKHYAN, L.M.

Determination of basic electric characteristics of the myocardium of the frog's ventricle. Biofizika 10 no.5:861-867 '65.

Characteristics of the distribution of potential in syncitial structures. Ibid.:883-885 (MIRA 18:10)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

SAUSHKIN, Yu.G.; KOVALEV, S.A.; KOVAL'SKAYA, N.Ye.; KORCVITSYN, V.P.; LAPPO, G.M.

Vadim Viacheslavovich Pokshishevskii, 1905- ; on his 60th birthday. Vest.Mosk.un.Ser.5: Geog. 20 no.4:86-87 Jl-Ag '65. (MIRA 18:12)

KOVALEV, S.A.

Problems in the "Constructive geography" of settlements in the collections published by the Publishing House of the State Institute of City Planning. Vest. Mosk. un. Ser. 5: Geog. 20 no.1:88-91 Ja-F '65. (MIRA 18:3)

KEDER-STEPANOVA, I.A.; KOVALEV, S.A.; KULAYEV, B.S.; CHAYLAKHYAN, L.M.

Polarization changes in the heart following vagal inhibition.
Fiziol.zhur. 42 no.9:821-825 S '56. (MLRA 9:11)

1. Elektrofiziologicheskaya laboratoriya Klinicheskoy ordena Lenina bol'nitsy im. S.P.Botkina. Moskva.
(NERVES, VAGUS, physiology,
eff. of inhib. on heart polarization (Rus))
(HEART, physiology,
polarization after vagus inhib. (Rus))

KOVALEV, S.A.; CHUDAKOV, L.I.

Intracellular registration of rest and action potentials of muscle fibers in various segments of the frog heart. Biofizika 6 no.6:672-680 '61. (MIRA 15:1)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.
(HEART)

ARSHAVSKIY, Yu.I.; BERKINBLIT, M.V.; KOVALEV, S.A.

Periodic rhythm transformation in single nerve fibers. Biofizika 7 no.4:449-459 '62. (MIRA 15:11)

1. Institut biologicheskoy fiziki AN SSSR, Moskva, i Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni Lenina.
(NERVES) (PERIODICITY)

ARSHAVSKIY, Yu.I.; BERKINBLIT, M.B.; KOVALEV, S.A.

Place of the appearance of transformation rhythm in the nerve fiber with artificially produced inhomogeneity. Biofizika 7 no.5:619-623 '62. (MIRA 17:8)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

GEL'FAND, I.M.; KOVALEV, S.A.; CHAYLAKHYAN, L.M

Intracellular stimulation of different parts of a frog's heart. Dokl.AN SSSR 148 no.4:973-976 F '63. (MIRA 16:4)

1. Institut biologicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Gel'fand).

(Electrocardiography)

STERMAN, L. S. (Cand. Tech. Sci.,) MOROZOV, V. V. (Engr.) and KOVALEV, S. A. (Engr.)

"A Study of Heat Exchange during Boiling of Liquids in Tubes at Various Pressures up to 85 atms."

Report presented at sci. and tech. session on Heat Exchange during Change of Aggregate State of Matter (by Comm. on High Steam Conditions, Power Inst., AS USSR, and Inst. Thermal Engineering, AS UkrSSR) Kiev, 23-28 Sep 57.

Inst. Thermal Engineering, Acad. Sci. Ukr. SSR (For Chernobyl'skiy, and Palitskiy)
Cent. Boiler Turbine Inst (for Minchenko)

Moscow Division, Cent. Boiler Turbine Inst.

STERMAN, L.S.; MOROZOV, V.G.; KOVALEV, S.A.

Studying heat exchange to boiling water and ethyl alcohol in pipes. Inzh.-fiz.zhur. no.10:40-45 O '59.
(MIRA 13:2)

1. Energeticheskiy institut im. G.M.Krzhizhanovskogo i TSentral'nyy kotloturbinnyy institut, Moskovskoye otdeleniye, Moskva.
(Heat--Transmission)

PETUKHOV, B.S., doktor tekhn.nauk, prof.; KOVALEV, S.A., inzh.

Methods and some results of the critical load measurement during the transition from film- to bubble boiling. Teploenergetika 9 no.5:65-70 My '62. (MIRA 15:4)

1. Moskovskiy energeticheskiy institut.
(Ebullition)

L 11181-63 EPR/EPF(c)/EWT(1)/BDS/T-2--AFFTC/ASD--Ps-4/Pr-4/Pi-4 69
ACCESSION NR: AP3001548 S/0143/63/000/004/0081/0089 68

AUTHOR: Petukhov, B. S. (Dr. of technical sciences, Prof.); Kovalev, S. A. (Engineer)

TITLE: Critical boiling-liquid thermal loads 21

SOURCE: IVUZ. Energetika, no. 4, 1963, 81-89

TOPIC TAGS: boiler load, film-type boiling, nucleate-type boiling

ABSTRACT: At a certain "equilibrium" thermal load, both types of boiling — the film and the nucleate — are stable at a given heating surface (see article in Teploenergetika, No 5, 1962, by the same authors). When the load is higher than the equilibrium, only the film type is stable; when the load is lower than the equilibrium, then the nucleate type is stable. The present article submits: (a) some results of experiments with the nucleate boiling of large volumes of water at pressures up to 85 atm. and (b) a general method for calculating the equilibrium loads. The experimental outfit included an electrically heated 2-mm nichrome wire immersed in a pressure tank with water. At 80 atm., the critical load was measured around 150 x 10 sup 3 kilocalories/sq. m. hr. Engineer V. V. Karelin took part in the experimental work. Equilibrium load with boiling at the

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L 11181-63
ACCESSION NR: AP3001548

outer surface of an infinite cylinder is described mathematically. Some peculiarities of the film-type boiling in tubes are considered. In conclusion, the authors criticize the existing method of selecting the maximum permissible load for a given heating surface. Orig. art. has: 4 figures and 8 formulas.

ASSOCIATION: Moskovskiy ordena Lenina energeticheskiy institut, Kafedra inzhenernoy teplofiziki (Moscow Power-Engineering Institute, Chair of Engineering Thermal Physics)

SUBMITTED: 03Dec62 DATE ACQD: 21Jun63 ENCL: 00

SUB CODE: 00 NO REF SOV: 003 OTHER: 001

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Card 2/2

L 15121-65 EPF(c)/EPF(n)-2/EPR/EWT(1)/EPA(bb)-2/T/EWA(1) Pr-4/Ps-4/Pu-4
ESD(t)/AEDC(a)/SSD/APWL/AS(mp)-2/ASD(p)-3 WW
ACCESSION NR: AP4047384 S/0294/64/002/005/0780/0788

AUTHOR: Kovalev, S. A.

TITLE: On the stability of boiling regimes 15

SOURCE: Teplofizika vy*sokikh temperatur, v. 2, no. 5, 1964, 780-788

TOPIC TAGS: boiling, film boiling, heat transfer coefficient, temperature thermal conductivity, heat conduction

ABSTRACT: The author analyzed the equation of heat conduction for a heated surface immersed in a boiling liquid. He showed that the transition of the boiling regime could be brought about by random fluctuations of the surface temperature, and he worked out a method for obtaining the magnitude of these fluctuations. The differential equation for the temperature is $\lambda f \frac{d^2\theta}{dx^2} - \alpha\theta_R + qu = 0$ where θ is the temperature difference between the wall and the liquid, q the mean heat flux, λ the coefficient of thermal conductivity of the surface material, f the cross-sectional area of the surface, and u the perimeter of the surface. Using the proper boundary conditions, the following expressions were obtained for the temperature gradient. For bubble boiling:

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ACCESSION NR: AP4047384

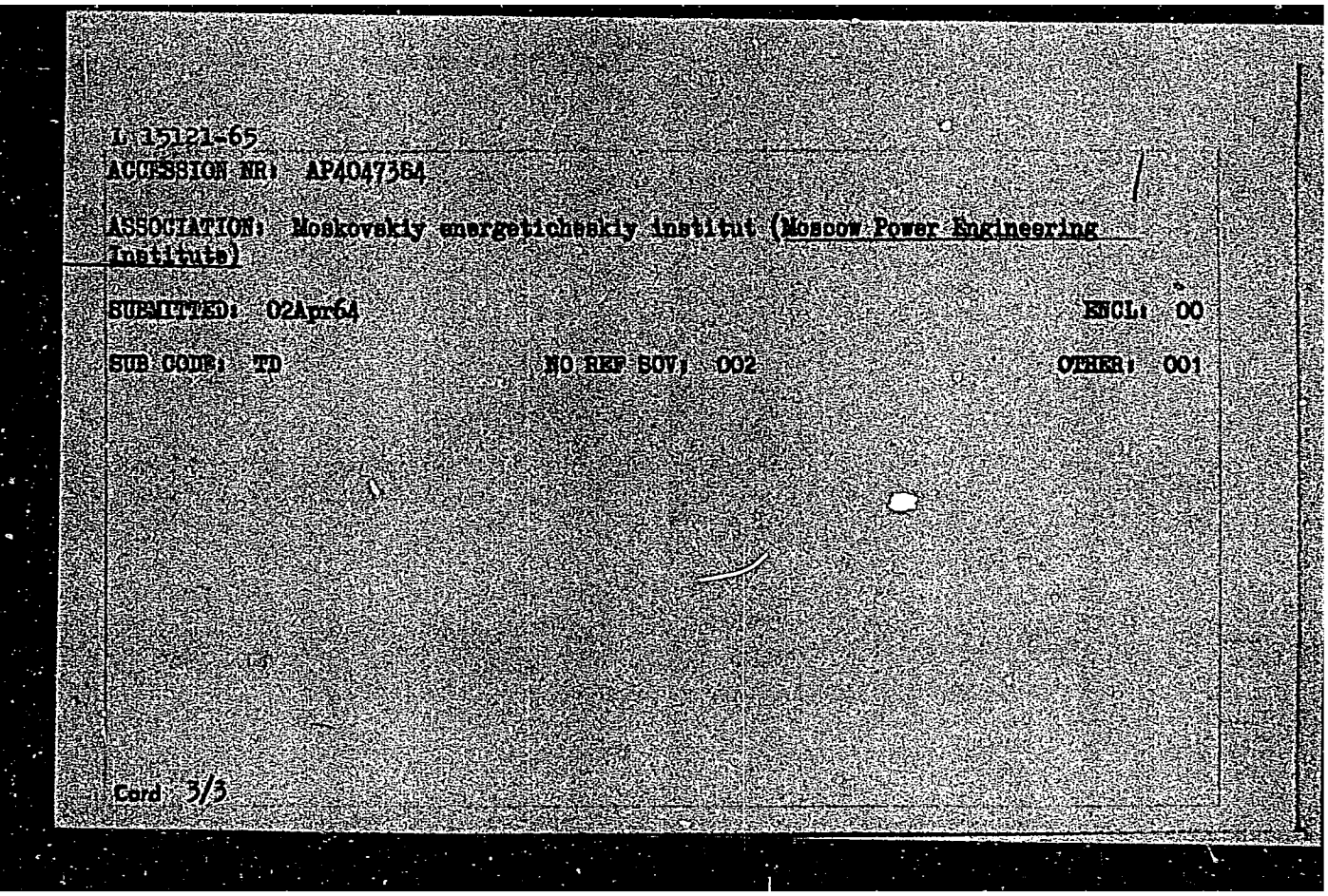
$$\frac{d\theta}{dx} = \sqrt{\frac{2n}{f\lambda}}\left[\frac{n-1}{2-n}A^{\frac{1}{1-n}}\left(\theta_*^{\frac{1}{1-n}} - \theta^{\frac{1}{1-n}}\right) - \frac{B}{m-2}\left(\theta_*^{1-m} - \theta_{**}^{1-m}\right) - \right.$$
$$\left. - \frac{1}{2}\alpha_3\left(\theta_{\infty}^2 - \theta_{**}^2\right) + q\left(\theta_{\infty} - \theta\right)\right]^{\frac{1}{2}},$$

and for film boiling:

$$\frac{d\theta}{dx} = \sqrt{\frac{2n}{f\lambda}}\sqrt{q\left(\theta_{\infty} - \theta\right) - \frac{1}{2}\alpha_3\left(\theta_{\infty}^2 - \theta_1^2\right) - \frac{B}{m-2}\left(\theta^{2-m} - \theta_{**}^{2-m}\right)}.$$

Here α_3 is the coefficient of heat transfer at film boiling. A, n, B, and m are related to the coefficients of heat transfer α_1, α_2 at bubble boiling and at the transition regime, respectively, by the relations: $\alpha_1 = Aq^n$, $\alpha_2 = B/q^m$. θ_*, θ_{**} are the transition temperatures and $\theta_{\infty} = q/\alpha_3$. It was found that, on attaining the maximal load during bubble boiling and the minimal load during film boiling, the transition could be brought about by minute local oscillations in the temperature. The work was conducted under the guidance of Professor B. S. Petukhov. Orig. art. has: 10 formulas and 4 figures.

Card 2/3



L 15121-65
ACCESSION NR: AP4047384

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute)

SUBMITTED: 02Apr64 ENCL: 00

SUB CODE: TD NO REF SOV: 002 OTHER: 001

Card 3/3

ARTAMONOV, K.I.; LEBEDEV, N.I.; YERGALIYEV, E.Ye.; LESECHKO, A.K.; YAKUSHIN, M.V.; KAZAKOV, V.N.; BRYUKHANOV, N.G.; NIKITINA, L.I.; KHVESYUK, F.I.; Prinimali uchastiye: MATVEYEV, A.T.; KOVALEV, S.I.; ROMANOV, V.S.; MARCHENKO, B.P.; ZUDOVA, T.I.; OMAROV, M.N.; PECHENKIN, S.N.; LUKIN, Ye.G; KHLUDKOV, V.I.

Shaft-furnace copper smelting with an oxygen-enriched blow. TSvet. met. 34 no.3:32-39 Mr '61. (MIRA 14:3)

1. Irtyshskiy polimetallicheskiy kombinat (for Artamonov, Lebedev, Yergaliyev, Lesechko, Matveyev, Kovalev, Romanov, Marchenko, Zudova, Omarov). 2. Vsesoyuznyy nauchnoissledovatel'skiy institut tsvetnykh metallov (for Yakushin, Kazakov, Bryukhanov, Nikitina, Khvesyuk, Pechenkin, Lukin, Khludkov).
(Copper--Metallurgy) (Oxygen--Industrial applications)

YAKUSHIN, M.V.; BRYUKHANOV, N.G.; KAZAKOV, V.N.; NIKITINA, L.I.; KHVESYUK, F.I.; PECHENKIN, S.N.; ARTAMONOV, K.I.; LEBEDEV, N.I.; MATVEYEV, A.T.; KOVALEV, S.I.

Converter treatment of complex metal mattes with an oxygen enriched blow. TSvet.met. 34 no.10:34-39 O '61. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Yakushin, Bryukhanov, Kazakov, Nikitina, Khvesyuk, Pechenkin). 2. Irtyshskiy polimetallicheskiy kombinat (for Artamonov, Lebedev, Matveyev, Kovalev).
(Nonferrous metals--Metallurgy) (Converters)

KOVALEV, S.I.

Electrical Engineering Abst.
Vol. 57 No. 675
Mar. 1954
Electrical Engineering

621.311.4

86c. New principles of construction and design of substations. S. I. KOVALEV, R. R. MANOSHIN AND K. A. ORLOV. *Elekt. Stantsii*, 1953, *No.* 8, 30–4. *In Russian.*

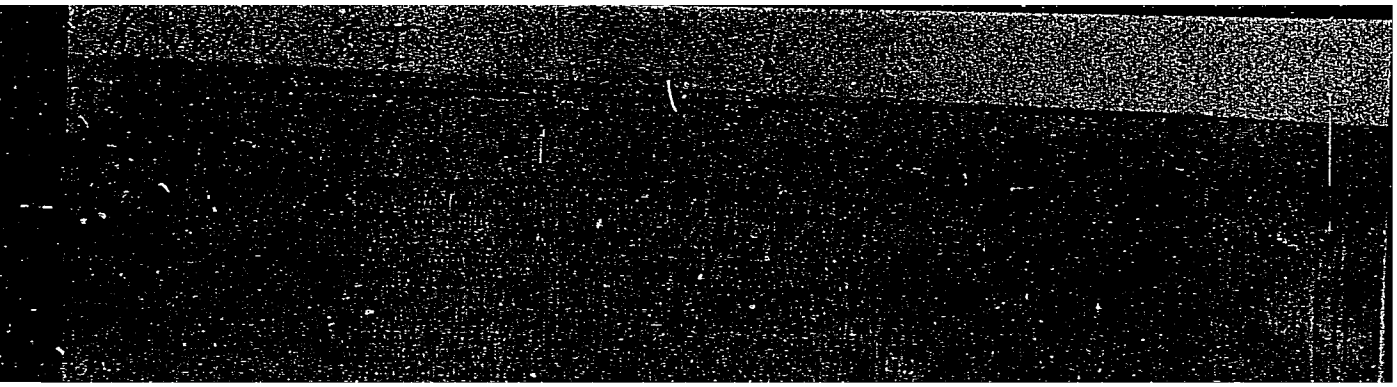
The principal design of outdoor substations for 35, 110 and 220 kV has not changed in the USSR during the past 20 years. Now a number of improvements have been made in several 220 kV substations of the Moscow power supply system such as a different arrangement of the busbars, central arrangement of the 10 kV part and the control building. Saving in metal, steel, concrete and cable duct length has been tabulated. Similar measures for other voltages and revision of circuit-breaker phase clearance are recommended.

F. BUSLMANN

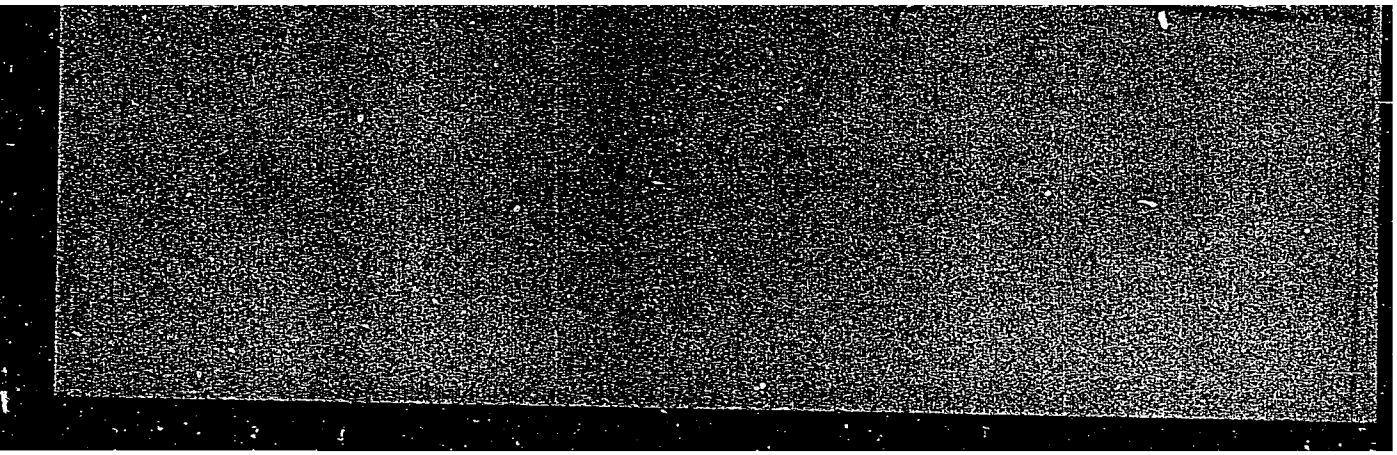
KOVALEV, S.I.

Damage produced by the corona discharge. Tekh. mol. 24 no.12: 38 D '56. (MLRA 10:2)

(Corona (Electricity))



APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825610007-2"



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KOVALEV S.I.

ALYAPIN, A.G.; KOVALEV, S.I.

Efficient organization of lubricating operations in industrial enterprises; suggested by A.G. Aliapin, S.I. Kovalev. Prom. energ. 12 no.12:18 D '57. (MIRA 10:12)
(Lubrication and lubricants)

KOVALEV, S.I.

Determining the heat transfer coefficient during boiling of a multicomponent system. Izv.vys.ucheb.zav.; pishch. tekh. no.2:116-120 '59. (MIRA 12:5)

1. Krasnodarskiy institut pishchevoy promyshlennosti.
(Heat--Transmission)

DYUYSEKIN, Ye.K.; ABDEYEV, M.A.; KOVALEV, S.I.; LEBEDEV, N.I.

Effect of the addition of coke on the composition and yield of converter slags. Trudy Alt. GMNII AN Kazakh. SSR 14:104-109 '63. (MIRA 16:9)

(Nonferrous metals—Metallurgy)
(Slag—Analysis)

MIGACH, V.D., inzh.; KOVALEV, S.K., inzh.; PANASYUK, I.V., inzh.; GERGEL', I.M., inzh.; BOYKO, L.P., inzh.

Single-layer wall panels of slag perlite cement. Stroi.mat. 10 no.8:29-30 Ag '64. (MIRA 17:12)

KOVALEV, S.M.

IONTOV, L.Ye.; STEPANOV, G.N.; KOVALEV, S.M.; BASKAKOV, N.Ye.

Type V-12-2 high-frequency telephone equipment. Vest.sviazi 17 no.6:7-9 Je '57. (MLRA 10:8)

1.Glavnyy inzhener Spetsial'nogo konstruktorskogo byuro zavoda Ministerstva radiotekhnicheskoy promyshlennosti (for Iontov) 2.Nachal'nik laboratorii Nauchno-issledovatel'skogo instituta Ministerstva radiotekhnicheskoy promyshlennosti (for Stepanov) 3.Nachal'nik laboratorii zavoda Ministerstva radiotekhnicheskoy promyshlennosti (for Kovalev) 4.Glavnyy konstruktor zavoda Ministerstva radiotekhnicheskoy promyshlennosti (for Baskakov)

(Telephone--Apparatus and supplies)

KOVALEV, S.M.

IONTOV, L.Ye.; STEPANOV, G.N.; KOVALEV, S.M.; BASKAKOV, N.Ye.

Type V-12-2 high-frequency telephone equipment. Vest.sviazi 17 no.8:3-7 Ag '57. (MIRA 10:10)

1.Glavnyy inzhener spetsial'nogo konstruktorskogo byuro zavoda Ministerstva radiotekhnicheskoy promyshlennosti (for Iontov). 2.Nachal'nik laboratorii nauchno-issledovatel'skogo instituta Ministerstva radiotekhnicheskoy promyshlennosti (for Stepanov). 3.Nachal'nik laboratorii zavoda Ministerstva radiotekhnicheskoy promyshlennosti (for Kovalev). 4.Glavnyy konstruktor zavoda Ministerstva radiotekhnicheskoy promyshlennosti (for Baskakov)
(Telephone--Equipment and supplies)

IONTOV, L.Ye.; KOVALEV, S.M.; STEPANOV, G.N.; BASKAKOV, N.Ye.; PETROVA, V.Ye., red.;

[New 12-channel high-frequency telephone equipment using V-12-2 overhead communication lines] Novaia 12-kanal'naia apparatura VCh telefonirovaniia po vozdushnym liniiam sviazi tipa V-12-2. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959. 140 p. (MIRA 13:4)
(Electric lines--Overhead) (Telephone, Automatic)

BORODZYUK, G.G.; STEPANOV, G.N.; DRIATSKIY, N.M.; IONTOV, L.Ye.; KOVALEV, S.M.; BLOKHIN, A.S.; DVORTSOV, L.D.; LUGOVSKOY, N.Ye.; MERKULOV, A.G.; SMIRNOV, B.P.; ROGINSKIY, E.M.; BALAN-IL'YEVSKAYA, I.A.; IZRAILIT, S.G.; GRANAT, M.B.; ZARIN, S.A., otv.red.; FEDOROVSKAYA, L.N., red.; MARKOCH, K.G., tekhn.red.

[Multichannel apparatus for high-voltage telephony on overhead lines and cables] Mnogokanal'naia apparatura vysokochastotnogo telefonirovaniia po vozdushnym i kabel'nym liniiam sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959. 511 p.
(MIRA 14:1)

(Telephone--Equipment and supplies)

IONTOV, L.Ye.; KOVALEV, S.M.; PUSTOVOYTENKO, O.D.; SHAMSHIN, V.M.; YARTSEV, G.Ye.; IONTOV, L.Ye., otv. red.; BOGACHEVA, G.V., red.; ROMANOVA, S.F., tekhn. red.

[24-Channel apparatus for multiplexing cable communication lines] 24-kanal'naia apparatura uplotneniia kabel'nykh linii; informatsionnyi sbornik. [By L.E.Iontov i dr.] Moskva, Sviaz'izdat, 1963. 184 p. (Telephone) (MIRA 16:6)

KOVALEV, S.N.

Efficiency promoters of the A.A.Zhdanov Plant are striving for technical progress. Sudostroenie 29 no.2:66-68 F '63. (MIRA 16:2)

(Shipbuilding--Technological innovations)

KOVALEV, S.N.

Abrasive diamond tools. Mashinostroitel' no.10:6-7 O '64.
(MIRA 17:11)

KOVALEV, S.N.; VERNIK, Ye.B.; GALITSKIY, V.N.; KOGOSOV, L.P.

Making abrasive diamond tools of synthetic diamonds. Mashinostroitel' no.10:7-9 O '64. (MIRA 17:11)

L 40042-66 EWP(k)/EWT(m)/EWP(e)/EWP(t)/ETI IJP(c) WH/JD

ACC NR: AP6017106 (N) SOURCE CODE: UR/0226/66/000/001/0081/0084

AUTHORS: Katrus, O. A.; Kovalev, S. N.; Vonogradov, G. A.; Bernik, Ye. B. 37 B

ORG: Institute for Problems of Materials Behavior, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR); Ukrainian Scientific Research Institute for Super-Hard Materials (Ukrainskiy nauchno-issledovatel'skiy institut sverkhtverdykh materialov)

TITLE: Manufacture of a diamond tool by powder rolling

SOURCE: Poroshkovaya metallurgiya, no. 1, 1966, 81-84

TOPIC TAGS: abrasive, diamond, powder metal compaction, hardtool

ABSTRACT: A method for manufacturing a diamond abrasive tool by hot rolling diamond and bronze powders is described. The effect of rolling temperatures on the abrasive stability of the tool was investigated. Hot rolling at 730--750C increases the stability of the tool by 4--5 times compared with the stability achieved by cold rolling. A photograph of the tool is presented. It is concluded that hot rolling diamond and metal powders offers good possibilities for the manufacture of diamond abrasive tools. Orig. art. has: 1 photograph.

SUB CODE: 13,11/ SUBM DATE: 01Jun65/ ORIG REF: 005/ OTH REF: 001

Card 1/1

VLASOV, I.I., kand. istor. nauk, dots.; ABEYDULLIN, S.K., kand. ist.nauk, dots. polkovnik; KOVALEV, S.S., kand. ist.nauk, dots., polkovnik; SHAYDAYEV, M.G., kand. ist.nauk, dots., polkovnik; SHCHEDRUNOV, V.F., kand. ist.nauk, dots.; CHEBUSHEV, I.V., polkovnik, red.; KUZ'MIN, I.F., tekhn. red.

[Party and political work in the Soviet Armed Forces; a textbook for military schools] Partiino-politicheskaia rabota v Vooruzhennykh Silakh SSSR; uchebnoe posobie dlia voennykh uchilishch. Moskva, Voen. izd-vo M-va oborony SSSR, 1961. 294 p. (MIRA 14:12)
(Russia—Armed Forces—Political activity)

GUR'BA, Nikolay Yemel'yanovich; LIPOROZHSKIY, Grigoriy Pavlovich; SHALIMOV, Aleksandr Petrovich; KOVALEV, Timofey Filippovich; ZHURAVLEV, S.P., otv. red.; GOLUBYATNIKOVA, G.S., red. izd-va; LOMILINA, L.N., tekhn. red.

[Progressive operating practice in mining enterprisos] Peredovoi opyt raboty na gornorudnykh predpriiatiiakh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 278 p. (MIRA 15:2)
(Krivoy Rog Basin--Iron mines and mining)
(Nikopol' region--Manganese mines and mining)

MOTYLEV, Yu.L., kand. tekhn. nauk; ZALESSKIY, Ye.P., prof.; KALYUZHNYY, I.S., kand. sel'khoz. nauk; AZIZOV, A.A., mlad. nauchnyy sotr.; POLETAYEV, A.V., kand. khim. nauk; ABRUTSKAYA, Ye.G., mlad. nauchnyy sotr. Prinimali uchastiye: BUTLITSKIY, Yu.V., mlad. nauchnyy sotr.; FEDOSEYEVA, T.I., mlad. nauchnyy sotr.; BIRUL',A.K., prof., doktor tekhn. nauk, retsenzent; ZVERINSKIY, G.I., inzh., retsenzent; KOVALEV,T.G., inzh., retsenzent; BASIN,M.M.,inzh., retsenzent; DEBERDEYEV, B.S., red.; DONSKAYA, G.D., tekhn. red.

[Stability of earth roadbed and road mats in regions with artificial irrigation] Ustoichivost' zemlianogo polotna i dorozhnykh odezhd v raionakh iskusstvennogo orosheniia. [By] IU.L.Motylev i dr. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp.i shos. dorog RSFSR, 1961. 178 p. (MIRA 15:2)

(Uzbekistan--Road construction) (Uzbekistan--Irrigation)

KOVALEV, V.

Electron-tube voltmeter. Radio no.6:57-59 Je '54. (MLRA 7:7)
(Voltmeter)

KOVALEV, V.

Instructive seminar. Prof. -tekh.obr. 11 no.1:3 of cover '54. (MLRA 7:6)

1. Prepodavatel' remeslennogo uchileshcha No.5 svyazi g. L'vova.
(Technical education)

KOVALEV, V.; TISHCHENKO, D.

Herbicides from phenols of tars produced by the destructive distillation of wood. Zhur.prikl.khim. 31 no.11:1708-1715 N '58. (MIRA 12:2)

1. Lesotekhnicheskaya akademiya imeni S.M. Kirova.
(Phenols) (Herbicides) (Wood distillation)

KOVALEV, V., inzh.

Pneumatic installation for loading grain into railroad cars.
Muk.-elev.prom. 25 no.6:25-26 Je '59. (MIRA 12:9)

1. Bobrovitskiy khlebopriyemnyy punkt Chernigovskoy oblasti.
(Pneumatic-tube transportation) (Grain-handling machinery)

KOVALEV, V., izobretatel' (g.Leningrad)

Exercises for inventors. Izobr.i rats. no.6:53 Je '60. (MIRA 14:2)

(Mechanical engineering—Problems, exercises, etc.)

KOVALEV, V.

Establishing work norms in the salt industry. Sots. trud 6 no. 2:103-111 F '61. (MIRA 14:2)
(Artemovsk--Salt industry--Production standards)

KOVALEV, V.; BOBIN, A.; AVTAYKIN, N.; PERISTOV, Yu., red.; OLEYNIKOV, A., red.; TURABAYEV, B., tekhn. red.

[Wages for automotive transportation workers in Kazakhstan] Oplata truda rabotnikov avtotransporta Kazakhstana. Alma-Ata, Kazgosizdat, 1963. 70 p. (MIRA 17:1)

(Kazakhstan--Wages--Transportation, Automotive)

VIKULIN, N.; YANOVSKIY, I.; KOVALEV, V., inzh.; KARKACHEV, P., prepodavatel'; POKROVSKIY, L., starshiy inzh.; BANDOVKIN, A.

Prepare workers for the automation of industry. Radio no.1: 8 Ja '61. (MIRA 14:9)

1. Nachal'nik Shakhtinskogo radiokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Vikulin). 2. Predsedatel' soveta Shakhtinskogo radiokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Yanovskiy. 3. Chlen Shakhtinskogo radiokluba (for Kovalev). 4. Proyektnyy otdel Upravleniya "Shakhtospetsmontazh" kombinata "Rostovugol'" (for Pokrovskiy). 5. Slesar' po remontu vysokochastotnoy apparatury shakhty "Yuzhnaya-I" (for Bandovkin).

(Automatic control)

KOVALEV, V.

Skillful hands for everybody. Znan-sila 37 no.7:56 Jl '62.
(MIRA 15:9)
(Electrophysiology)

KOVALEV, V.

We are solving important problems. Prof.-tekh. obr. 19 no.9: 28-29 S '62. (MIRA 15:10)

1. Nachal'nik otdela tekhnicheskoy ucheby Dnepropetrovskogo shinnogo zavoda.

(Dnepropetrovsk—Evening and continuation schools)

KOVALEV, V.

Improve the practice of reviewing norms in the salt industry.
Sots.trud 8 no.3:100-102 Mr '63. (MIRA 16:3)
(Artemovsk—Salt industry—Production standards)

KOVALEV, V.

Puzzle as a diversion. Znan.-sila 37 no.8:46 Ag '62. (MIRA 16:5)
(Mathematical recreations)

KOVALEV, V.

Improve bank control methods. Den. i kred. 21 no.12:40-41 D '63. (MIRA 17:1)

1. Nachal'nik otdela kreditovaniya promyshlennosti Yuzhno-Kazakhstanskoy krayevoy kontory Gosbanka.

KOVALEV, V.

Schools of communist labor. Prof.-tekh. obr. 21 no.10:30 O '64. (MIRA 17:11)

1. Nachal'nik otdela tekhnicheskogo obucheniya Dnepropetrovskogo shinnogo zavoda.

KOVALEV, V., zasluzhennyy letchik-ispytatel' SSSR; SHIVANSKIY, F., inzh.

Piloting a heavy airplane. Av. i Kosm. 47 no.12:39-45 D '64
(MIRA 18:1)

ACCESSION NR: AP4045321 S/0209/64/000/006/0076/0084

AUTHOR: Kovalev, V. (Meritorious test pilot SSSR; Hero of the Soviet Union); Sklyanskiy, F. (Engineer)

TITLE: Longitudinal stability and controllability in the transonic region

SOURCE: Aviatsiya i kosmonavtika, no. 6, 1964, 76-84

TOPIC TAGS: sound barrier, transonic speed, wing shape, aircraft stability, aircraft longitudinal stability, aircraft controllability, jet aircraft, transonic flight

ABSTRACT: The authors present a very broad-based discussion and analysis of the problem of impaired aircraft stability and controllability at speeds near the speed of sound. A brief historical outline is presented of the study of the so-called "sound barrier" as it applies to jet aircraft and the problems associated with it. Some interesting data are given on the establishment of the maximum permissible M number for early Soviet military jet aircraft (M_{per} = 0.8 for the MIG-9, for example). Attention is called to the tendency of the aircraft to go into a dive at subsonic speeds if the permissible M number is exceeded, with pull-out or recovery possible only at very reduced altitudes. Experiments are discussed which tend to indicate that after the aircraft has achieved a certain M

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ACCESSION NR: AP4045321

number and when zones in which the speed of the flow reaches that of sound appear on those sections of its surfaces having the least local air speed (the upper wing surface, for example), there is an abrupt change in the character of the pressure distribution on these surfaces. The concept of the critical M number is discussed and defined as that number at which the first local sonic flow speeds occur. The relationship between M_{per} and M_{cr} is studied and it is noted that, while modern jet aircraft are also subject to limitations in terms of their Mach number, such limitations are due to entirely different considerations than in the past (engine operating conditions, loss of stability, aerodynamic heating, etc). For these aircraft $M_{per} > M_{cr}$. The authors note that a change in the pressure distribution over the wing surface leads to a backward displacement of the point of application of the lifting force increment as the angle of attack changes. The implications of this phenomenon are analyzed in detail. Elevator efficiency in the light of these considerations is analyzed from the point of view of design and the overall empennage structure. An explanation is presented for the fact, noted above, that an aircraft, after being pulled into a dive at a great altitude, will abruptly and unexpectedly pull out of the dive by itself when it has reached a lower altitude. The entire range of problems relating to acceleration and deceleration at near sonic speeds, the transition from supersonic to subsonic air speeds and vice versa and pilot error in the position of the control stick under these circumstances is

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ACCESSION NR: AP4045321

analyzed in great detail in the light of the load ("G"-forces) spread for wings having various configurations. The authors note, in this connection, that the phenomenon of this overload spread during deceleration in the transonic region has been of greater danger in the past than that of being pulled into a dive. This was particularly true at the time the first supersonic aircraft made their appearance and was due to the absence of well conceived piloting techniques, as a result of which the load spread might easily exceed the permissible limit and lead to structural failures. Some examples illustrating this point are given (liquid-fuel Bell X-1, Republic F-84 Thunderstreak, and others). The use of swept-back and thin triangular wing and empennage configurations for the purpose of reducing the intensity of the critical wave condition and sharp increase of resistance at transonic speeds is discussed at considerable length. A diagrammatic analysis is given of the velocity vector of the air flow incident to the swept-back wing and it is demonstrated that the gradual expansion of the supersonic air-flow zone on the swept-back wing gives rise to a smoother backward displacement of the focal point of the aircraft, thus reducing the intensity with which it tends to be pulled into a dive when accelerating and the load spread when braking in the nearsonic region. The article concludes with a series of practical instructions to pilots dealing with flying techniques in the light of certain of the considerations on longitudinal stability and controllability developed in the paper. Orig. art. has: 13 figures

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ACCESSION NR: AP4045321

and 1 formula.

ASSOCIATION: none

SUBMITTED: 000 ENCL: 00 SUB CODE: AC

NO REF SOV: 000 OTHER: 000

Card 4/4

ACCESSION NR: AP4045259 S/0209/64/000/008/0063/0067

AUTHOR: Kovalev, V.(Meritorious test pilot SSSR, Hero of the Soviet Union); Sklyanskiy, F. (Engineer)

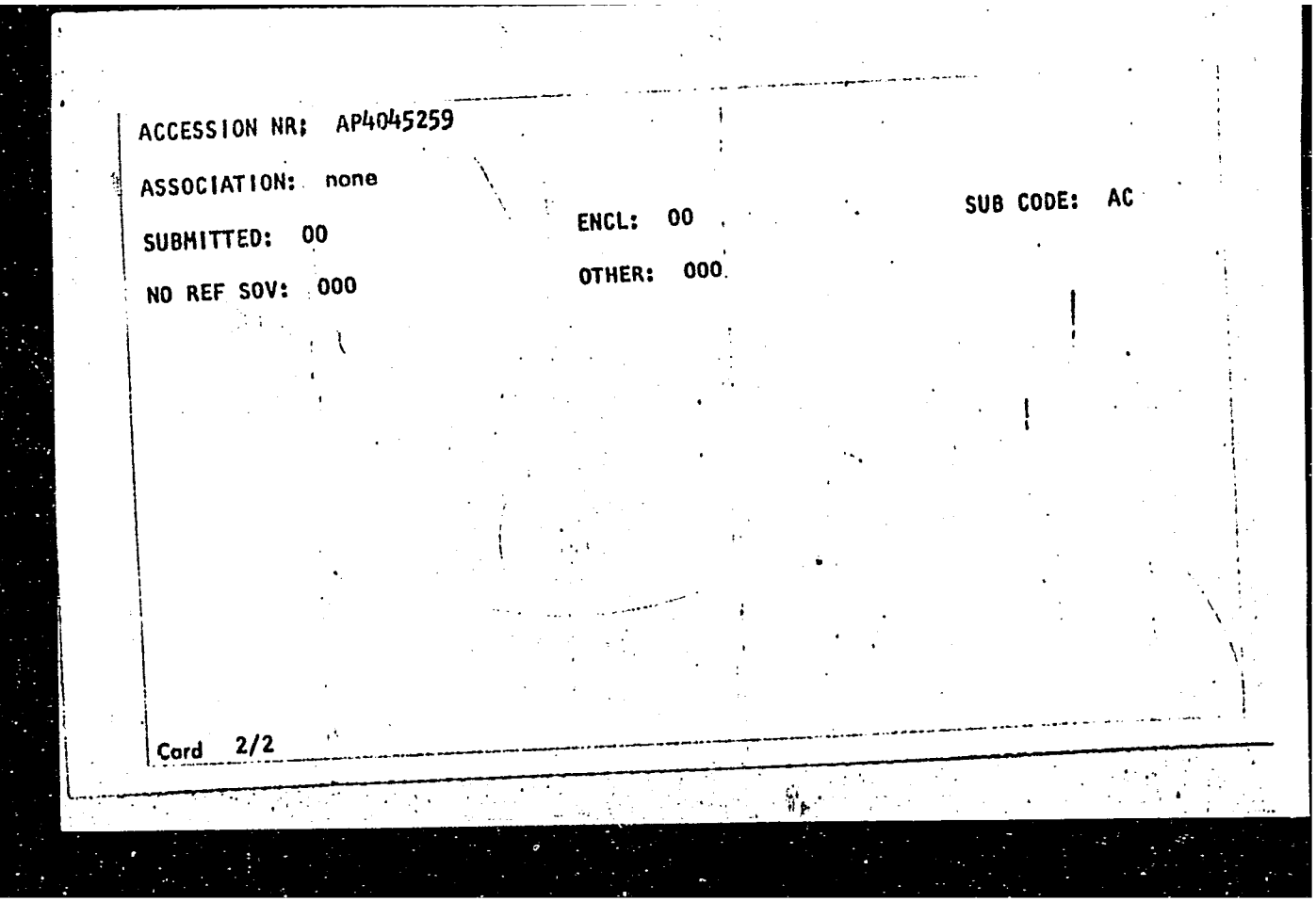
TITLE: Recovery of a heavy high-speed aircraft from a dive

SOURCE: Aviatsiya i kosmonavtika, no. 8, 1964, 63-67

TOPIC TAGS: dive, high speed aircraft, jet plane, dive recovery, horizontal flight, Mach number, banking force, flying

ABSTRACT: The authors discuss the various factors and power and flight parameters influencing the horizontal flight of heavy high-speed aircraft, as they reveal themselves in a tendency of the aircraft to dive. The various forces and moments brought to bear on the surfaces of the plane under such circumstances are discussed and analyzed from the two-fold point of view of theory and pilot response. Special attention is given to problems dealing with critical Mach number, banking and G-forces. Many of the different parameters affecting the moment of fall-off on the wing and entrance into or recovery from the dive are presented in the form of graphs, on the basis of which the authors attempt to develop a number of useful suggestions for piloting. The nature of this article is such that it will be readily understandable and useful only to those familiar with the piloting and theory of modern, heavy, high-speed jet aircraft. Orig. art. has: 5 figures.

Card 1/2



ACCESSION NR: AP4045259

ASSOCIATION: none

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Card 2/2

KOVALEV, V., zasluzhennyy letchik-ispytatel' SSSR, Geroy Sovetskogo Soyuza; SKLYANSKIY, F., inzh.

Piloting a heavy airplane during the takeoff. Av. i kosm. 47 no.11: 50-59 N '64. (MIRA 17:11)

L 25687-65 EEC-2/EWP(d)/EWT(m)/FA/EEC-4/EWP(h) Pn-4/Pq-4/Pg-4/Pk-4/Pl-4 BC

ACCESSION NR: AP5001811 S/0209/64/000/012/0039/0045

AUTHOR: Kovalev, V.A. (Meritorious test pilot, Hero of the Soviet Union); Skiyanskiy, F. (Engineer)

TITLE: Piloting heavy aircraft

SOURCE: Aviatsiya i kosmonavtika, no. 12, 1964, 39-45

TOPIC TAGS: jet aircraft, sweptback wing, wing shape, autopilot, aircraft response, pilot error

ABSTRACT: This is the second of a series of articles written by the authors to provide practical information and in-flight advice regarding certain technical and theoretical problems encountered in the piloting of heavy jet aircraft. The nature of the article is such that it will be of interest only to persons possessing a rather high degree of competence in the flying of modern military jet aircraft and, to a somewhat lesser degree, technical personnel engaged in the planning and structural design of such aircraft. A number of problems related to the response of the aircraft to the controls under different flight conditions (take-off, gaining of altitude, speed, transition from sub- to super-sonic air speeds, maneuvering at various attack angles, control load factors, vibration damping considerations

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ACCESSION NR: AP5001811

and their overall effect on aircraft handling characteristics, M-number-associated pilot errors and their correction, and general questions of airworthiness) are analyzed, their design- and structurally related causes are explained, and recommendation are given. Examples are presented by illustrating typical piloting situations, with the authors attempting to provide reasonably non-technical explanations of the various aerodynamic phenomena and laws involved. Problems involving horizontal flight, dives, stalls, veering and extreme banking (tilt) angles are discussed and the best methods for restoration of proper aircraft response are outlined. Orig. art. has: 8 figures.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: AC

NO REF SOV: 000 OTHER: 000

Card 2/2

L 24493-65 EWT(d)/EWT(m)/FA/EWP(t)/T-2/EWP(h) Po-4/Pg-4/Pg-4/Pk-4/Pk-4
IJP(c) BC

ACCESSION NR: AP4045188 S/0209/64/000/009/0054/0060

AUTHOR: Kovalev, V. (Meritorious test pilot SSSR, Hero of the Soviet Union); Bidyanskiy, Y. (Engineer)

TITLE: Automation of the control system of supersonic aircraft

SOURCE: Aviatsiya i kosmonavtika, no. 9, 1964, 54-60

TOPIC TAGS: Automatic control system, aircraft control system, supersonic aircraft, hydraulic booster, wing shape

ABSTRACT: The authors describe the various reasons which underlie the considerably increased complexity of the control systems for modern high-speed aircraft and the changes in the functions these systems are designed to fulfill. The primary cause - a significant change in the aerodynamic characteristics of the aircraft at speeds near and greater than that of sound - is discussed. The problem of the redistribution of pressures and loads on wing and empennage surfaces is analyzed and it is shown how the increased hinge moments that occur in supersonic flight have resulted in the use of hydraulic amplifiers (boosters) in the control systems incorporated in supersonic aircraft. Certain appli-

fiers (boosters) in the control systems incorporated in supersonic aircraft. Certain applications of these hydraulic booster systems are discussed. The problem of the change of

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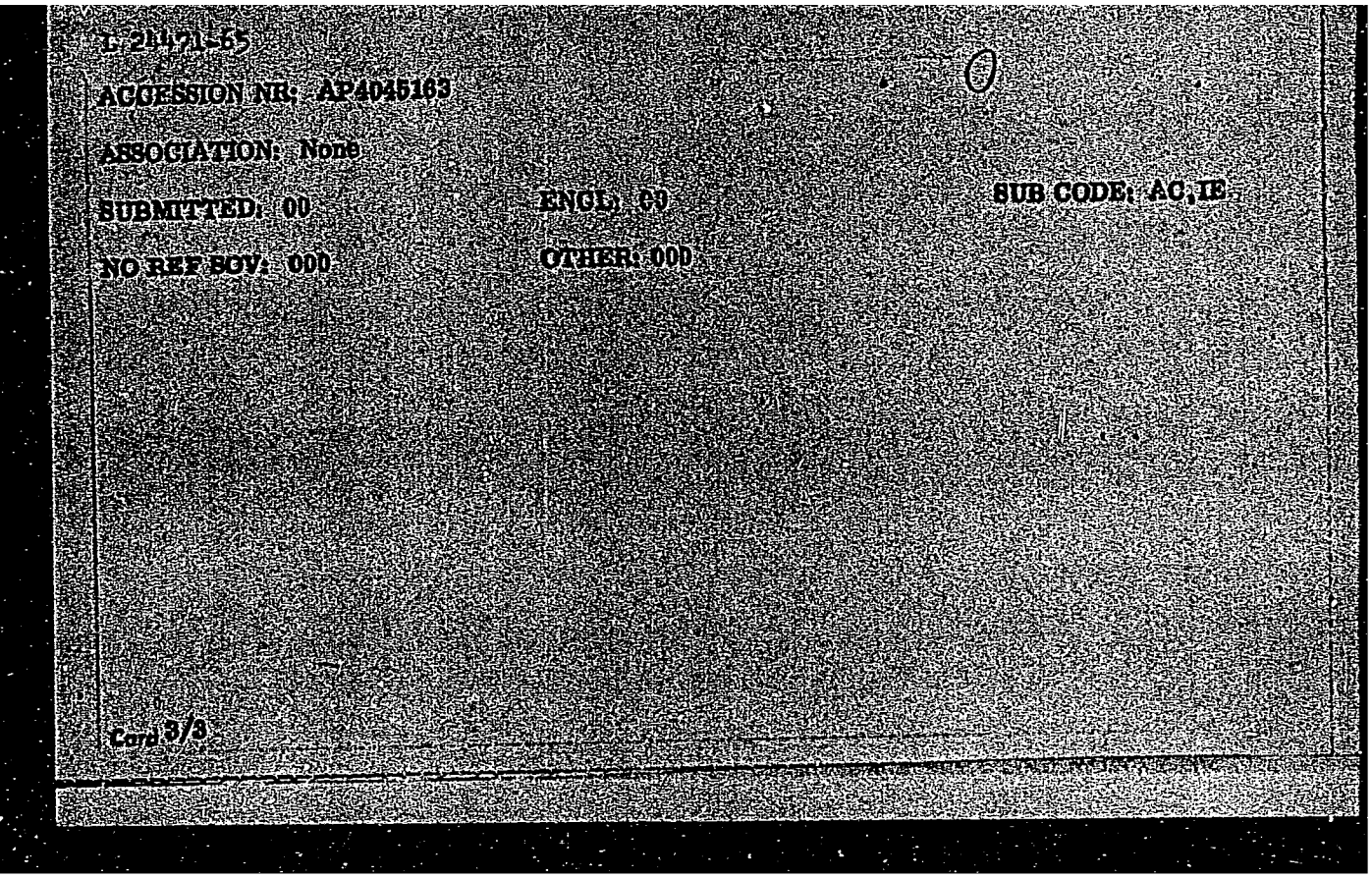
ACCESSION NR: AP4045163

sign of the forces acting on the control stick is analyzed in terms of the need for irreversible booster connections. "Overcompensation", leading to the appearance of auxiliary forces in the control system is discussed in some detail. The related problem of achieving acceptable load characteristics for the control sticks, without which proper control of the aircraft is impossible, is taken up in the article, and various types of automatic loading mechanisms (particularly, the spring type) are discussed. Special automatic loaders are described, which increase the increment gradient of the forces encountered in the travel of the stick in a manner proportional to the dynamic head. "Load hardness" factors are also considered. There is a discussion of "induced diving" and its reverse, "pitching", as transitional states which normally accompany the transition from subsonic to supersonic flight speeds. The problem of impaired damping of the natural vibrations of the aircraft in the transition to high supersonic air speeds is discussed and techniques to combat this deterioration of control are mentioned. The theoretical basis for poor damping at supersonic speeds is analyzed from the point of view of deriving the principles to be used in the design of adequate damping and vibration-compensation mechanisms. Some of the effects of swept-back and triangular wing configurations on overall aircraft flight characteristics are discussed and the concept of transverse static stability is analyzed from several

of swept-back and triangular wing configurations in overall aircraft design are discussed and the concept of transverse static stability is analyzed from several stand-points. Automatic instrumentation is proposed which would permit controlling piloting at rather large angles of attack. Orig. art. has: 9 figures.

Card 2/3



L 21471-65

ACCESSION NR: AP4045163

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: AC,IE

NO REF SOV: 000 OTHER: 000

Card 3/3

L 43012-65 EWT(d)/EWT(l)/EWT(m)/EWP(w)/FA/T-2/EWP(k)/EWP(b)/EWA(h) Pf-4/Peb EM

ACCESSION NR: AP5008728 S/0209/65/000/003/0050/0056

AUTHORS: Kovalev, V. (Meritorious test pilot of SSSR, Hero of Soviet Union); Shiyanskiy, I. (Engineer...)

TITLE: The landing of a heavy fast airplane

SOURCE: Aviatsiya i kosmonavtika, no. 3, 1965, 50-56

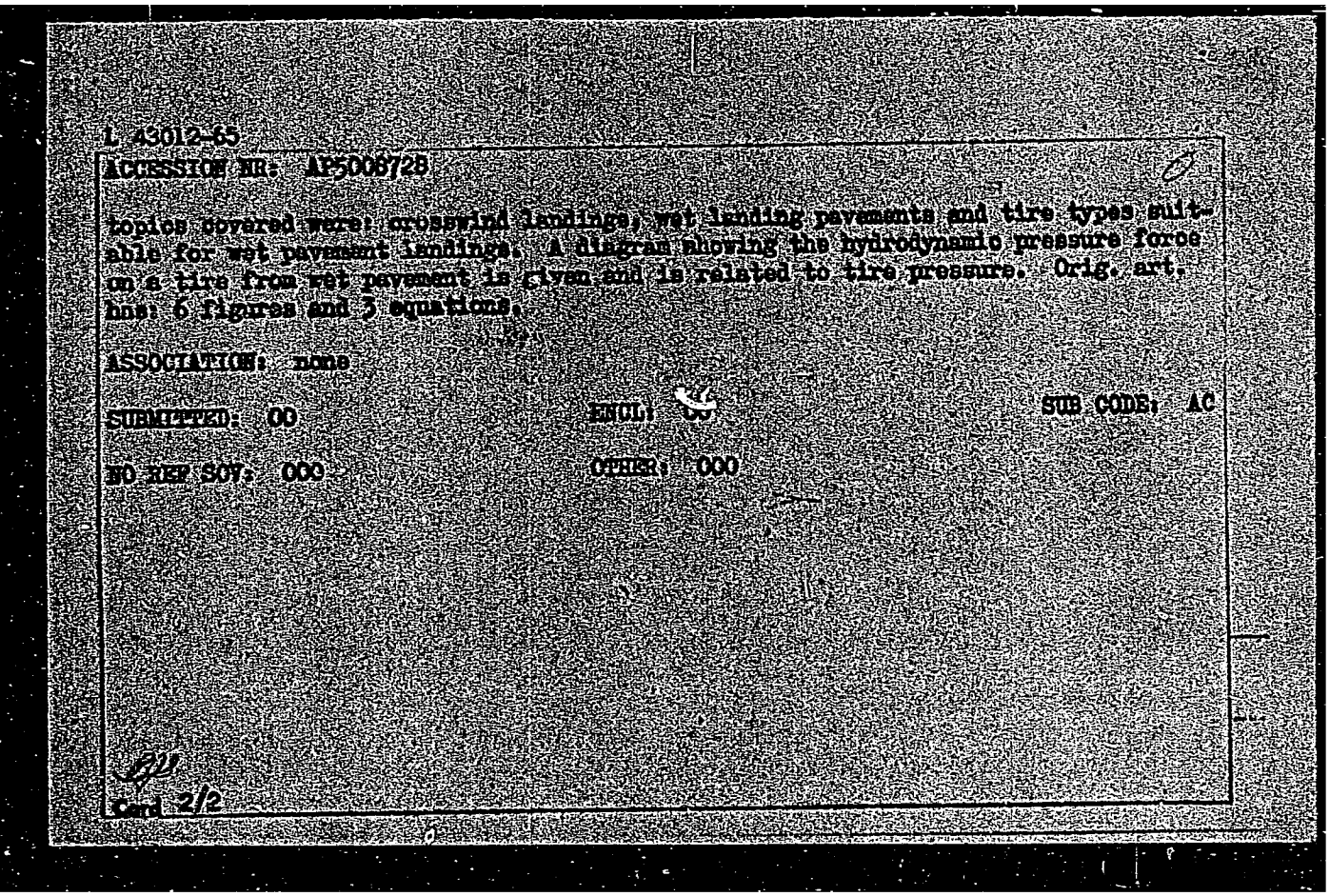
TOPIC TAGS: runway, flight instrument, landing aid, piloting technique, sweptback wing, supersonic aircraft, aircraft landing system

ABSTRACT: The problems involved in landing a heavy modern aircraft are discussed. A comparison is made of wing types and their effect upon landing characteristics. A force diagram is given showing the difference in landing trajectories for aircraft ... perpendicular to the fuselage.

A comparison in terms of [illegible]

A force diagram is given showing the difference in landing trajectories for aircraft having sweep-back wings versus those having wings perpendicular to the fuselage. The same comparison is made for lift conditions versus angle of attack. Conditions of force equilibrium are given in terms of the landing angle. The touchdown of an aircraft involves several moments acting in the longitudinal direction; the moment from a drag chute, from wheel brakes, flaps, wing interceptors, etc. These moments are resolved into a single equation for the net moment acting on the aircraft. The actions of the pilot in making his approach are discussed. The authors point out the dangers and characteristics of the bounce type landing.

Card 1/2



L 43012-65
ACCESSION NR: AP5006728

topics covered were: crosswind landings, wet landing pavements and tire types suitable for wet pavement landings. A diagram showing the hydrodynamic pressure force on a tire from wet pavement is given and is related to tire pressure. Orig. art. has: 6 figures and 3 equations.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: AC

NO REF SOV: 000 OTHER: 000

Card 2/2

[illegible], M., gvardii polkovnik, Geroy Sovetskogo Soyuza, veteranyy letchik [illegible]; [illegible], V., podpolkovnik; [illegible], P., mayor

Under difficult meteorological conditions. Av. i kosm. 47 no.3: 6-16 Mr '65. (MIRA 18:3)

VASIL'YEV,P.; KOVALEV, V.; TERENT'YEV, V.

The first outer-space expedition; medical and biological studies.
Av. i kosm. 47 no.6:22-26 Je '65. (MIRA 18:5)

KOVALEV, V., polkovnik, voyennyy letchik pervogo klassa

Experience of outstanding crew members is put into practice. Av. i kosm. 48 no.11:43-47 N '65. (MIRA 18:10)

KOVALEV, V., podpolkovnik

An air pilot loses his qualification. Av. i kosm. no.1:67-69 Ja '66. (MIRA 19:1)