

BUKIN, V.N., redaktor; YEFHEMOV, V.V., redaktor; KOROL'KOV, S.I., redaktor;
KROTKOV, F.G., redaktor; LAVROV, B.A. redaktor; SEMCHILO, K.K., tek-
redator.

[Present-day problems of Soviet vitaminology; on the 100th anniversary
of the birth of N.I. Lunin, founder of vitaminology.] Sovremennye
voprosy sovetskoi vitaminologii; k 100-letiu so dnia rozhdeniia
osnovopolozhnika ucheniia o vitaminakh N.I. Lunina. Moskva, Gos. izd-vo
med. lit-ry, 1955. 298 p. (MIRA 8:10)

1. Akademiya meditsinskikh nauk SSSR, Moscow.
(VITAMINS)

LAVROV, B.A.

"Vitamins and their role in the metabolic processes." M.F.Merzhinskii. Reviewed by B.A.Lavrov. Vop.pit. 14 no.3:56-59 My-Je '55. (MIRA 8:7)

(MERZHINSKII, M.F.)
(VITAMINS)
(METABOLISM)

LAVROV, B.A.

LAVROV, B.A.; YANOVSKAYA, B.I.

Effect of some environmental factors on the distribution of ascorbic acid in the animal organism. Vitaminy no.2:61-69 '56. (MLRA 10:8)

1. Institut vitaminologii, Moskva
(ASCORBIC ACID)

LAVROV, B.A., professor

~~"Vitamins and avitaminosis"~~ (in Bulgarian). Anton M. Pomakov,
Georgi Mazhdrakov. Reviewed by B.A. Lavrov. Vop. pit. 15 no.1:
57-60 '56 (MLRA 9:4)

1. Deystvitel'nyy chlen AMN SSSR.
(VITAMINS) (DEFICIENCY DISEASES) (POMAKOV, ANTON M.)
(MAZHDRAKOV, GEORGI)

LAVROV, B.A.

Brief survey of research in 1956-1957 among members of the Division of Hygiene, Microbiology and Epidemiology of the Academy of Medicine, not working in institutes of the Academy. Vest. AMN SSSR 13
no.5:76-81 '58 (MIRA 11:6)

1. Deystvitel'nyy chlen AMN SSSR.
(MEDICINE)

LAVROV, E. A.

"Vitaminology as a hygienic discipline and its role in the theory
and practice of Soviet public health."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

LAVROV, B.A., prof.

Survey of research done by a group of active members and corresponding members of the Department of Hygiene, Microbiology, and Epidemiology of the Soviet Academy of Medicine. Vest. AMN SSSR 14 no.12:61-63 '59. (MIRA 13:4)

1. Deystvitel'nyy chlen AMN SSSR.
(PUBLIC HEALTH RESEARCH)

LAVROV, Boris Aleksandrovich, red.

[Practical manual for determining vitamins A,D,E,B₁,B₂,B₆, PP, C,
P and carotene in vitamin preparations and food products] Meto-
dicheskoe rukovodstvo po opredeleniu vitaminov A,D,E,B₁,B₂,B₆,PP,
C,P i karotina v vitaminnykh preparatakh i pishchevykh produktakh.
Izd.3. Moskva, Medgiz, 1960. 173 p. (MIRA 14:2)
(Vitamins) (Carotin)

LAVROV, B.A. (Moskva)

Orotic acid and its relation to some vitamins. Vop. pit. 21 no.6:
68-77 N-D '62. (MIRA 17:5)

LAVROV, B.A.; TEREENT'YEVA, Ye.L.

Body reaction to the introduction of large doses of vitamin
D₂ (experimental data). Vest. AMN SSSR 18 no.2:54-60 '63.

(MIRA 17:7)

1. Institut vitaminologii Ministerstva zdravookhraneniya SSSR.

LAVROV, B.A.; TEREENT'YEVA, Ya.L.

Citric acid levels in the blood of rats during prolonged
administration of large doses of vitamin D. Vop. pit. 22 no.3:
68-72 Mye-Je '63. (MIRA 17:8)

1. Iz Gosudarstvennogo nauchno-issledovatel'skego instituta
vitaminologii Ministerstva zdravookhraneniya SSSR, Moskva.

TUYEV, N.A.; SIMAKOV, V.N.; LAVROV, B.B.

Study of molybdenum (VI) complex formation with specific humic
and some carboxylic acids by the infrared spectroscopy method.
Vest. LGU 20 no.3:126-137 '65. (MIRA 18:2)

LAVROV, B.M.; SKOBEYEV, I.K.

Processing of gold-bearing copper pyrite-pyrrhotite ores. Trudy
IPI no.20:116-128 '63. (MIRA 18:2)

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87797
S/040/60/024/005/020/028
C111/G222

AUTHORS: Blekhman, I.I., and Lavrov, B.P. (Leningrad)

TITLE: On an Integral Mark of the Motion Stability

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol.24, No.5, pp.938-941

TEXT: In (Ref.1,2) Blekhman investigated the self-synchronization of mechanical vibrators. It was stated that in a sufficient distance from the resonance point the synchronous motions may correspond to every real solution $\alpha_1, \dots, \alpha_k$ of a certain transcendent system of equations (system (2.18) in (Ref.1), system (2.6) in (Ref.2)). There k was the number of vibrators, the α_i were denoted as generating phases. Most difficult was the proof of stability of the obtained possible motions. In all concretely calculated cases it turned out that stability is prevailing if the integral

$$(1.1) \Lambda_0 = \Lambda_0(\alpha_1, \dots, \alpha_k) = \frac{\omega}{2\pi} \int_0^{2\pi/\omega} L_0 dt, \quad L_0 = T_0 - \Pi_c$$

is a minimum. Here ω is the angular velocity of the synchronous rotation

Card 1/2

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On an Integral Mark of the Motion Stability of the vibrators, T_0 and Π_0 are the kinetic and the potential energies of the auxiliary body, the auxiliary body is a rigid body which to every time is identical with the body on which the vibrators are installed and which is obtained from the latter by an adjunction of the masses of all non-balanced rotors which are concentrated on the rotational axes of the vibrators.

The authors point out that they know no general principles from which there follows the general mark (1.1) but that in more complicated cases (1.1) can be confirmed experimentally.

The application of (1.1) is shown by two simple examples: two equal vibrators on a body with one degree of freedom, two equal vibrators on a softly bedded body with three degrees of freedom.

There are 2 figures and 3 Soviet references.

[Abstracter's note: (Ref.1 and 2) are papers of I.I.Blekhman in Inzhenernyy sb., 1953, Vol.16, and Izv.AN SSSR, Otd.tekhn.n.,1958, No.6.]

SUBMITTED: June 6, 1960

Card 2/2

LAVROV, B.F.

Principles of the theory and design of improved electric vibrating machines as single electromechanical systems. Trudy Mekhanobr no.125:139-152 '60. (MIRA 14:5)

(Ore dressing--Equipment and supplies)
(Conveying machinery--Electric driving)

LAVROV, B.P. (Leningrad)

Three-dimensional problem of the synchronization of mechanical
vibrators. Izv.AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr. no.5:58-68
S.O '61. (MIRA 14:9)

(Vibrators)

BLEKHMEN, I.I.; LAVROV, B.P.

Method of avoiding resonance vibrations of vibration machines
after stoppage. Obog.rud 4 no.3:39-42 '59. (MIRA 14:8)
(Vibrators) (Resonance)

KOROVIN, S.Ye.; LAVROV, B.V.

In the Council of the Botanical Gardens. Biul.Glav.bot.sada no.37:
130-131 '60. (MIRA 13:11)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Botanical gardens)

LAVROV, B.Ye.; KHYROV, V.I.

Certain results of the study of the operating process of a hydrogen
piston engine. Trudy Inst. energ. AN Kazakh. SSR 2:326-332 '60.

(MIRA 15:1)

(Gas and oil engines)

LAVROV, B.Ye.

In the Scientific Council of the Power Engineering Institute
of the Academy of Sciences of the Kazakh S.S.R. Izv. AN,
Kazakh. SSR. Ser. energ. no.1:121-122 '61. (MIRA 14:12)

1. Uchenyy sekretar' Instituta energetiki AN KazSSR.
(Kazakhstan--Power engineering)

LAVROV, D.

Contribution of the scientific and technological society of builders
to construction workers. Okhr.truda i sots.strakh. 4 no.7:41 JI
'61. (MIRA 14:7)

1. Uchenyy sekretar' podseksii tekhniki bezopasnosti Nauchno-
tekhnicheskogo obshchestva stroyindustrii Moskovskoy oblasti.
(Moscow--Construction industry--Hygienic aspects)

LAVROV, D., inzh.

Textbooks must be precise ("Fundamentals of fire prevention techniques" by A. Nikitin, P. Prokof'ev, E. Vinogradov. Reviewed by D. Lavrov). Pozh.delo 7 no.8:32 Ag '61. (MIRA 14:8)
(Fire prevention--Study and teaching)
(Nikitin, A.) (Prokof'ev, P.) (Vinogradov, E.)

LAVROV, D.

"Principles of safety and fire prevention techniques" by G. M.
Nikitin. Reviewed by D.Lavrov. Rech. transp. 21 no.5:54-55
My '62. (MIRA 15:5)

(Merchant marine--Safety measures)
(Ships--Fires and fire prevention)
(Nikitin, G.M.)

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SOLOV'YEV, I.; TSEKHAROVSKIY, A. (Timiryazovo, Tomskoy obl.);
LAVROV, D.; SIROTYUKOV, V.; KOSTYUKOV, V.; KOTLYARSKIY, F.
(Chelyabinsk); PARUHAKYAN, V. (Chelyabinsk); SHILER, G.;
RYABSKIY, N.; PUSHKIN, D., instruktor; SHASTIN, V. (Al'met'yevsk)

Reader's letters. NTO 3 no.9:58-59 S '61.

(MIRA 14:8)

1. Uchenyy sekretar' dorozhnogo pravleniya Tashkentskoy zheleznoy dorogi (for Solov'yev).
2. Uchenyy sekretar' podseksii tekhniki bezopasnosti Moskovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva stroitel'noy industrii (for Lavrov).
3. Chleny Nauchno-tekhnicheskogo obshchestva Novocherkasskogo elektrovostroitel'nogo zavoda (for Sirotyukov, Kostyukov).
4. Predsedatel' soveta Nauchno-tekhnicheskogo obshchestva upravleniya legkoy i pishchevoy promyshlennosti sovarkhoza, g. Karaganda (for Shiler).
5. Chlen prezidiuma Moskovskogo gorodskogo pravleniya Nauchno-tekhnicheskogo obshchestva neft'yanoy i gazovoy promyshlennosti (for Ryabskiy).
6. Tsentral'noye pravleniye Nauchno-tekhnicheskogo obshchestva mukomol'noy i krupyanoy promyshlennosti i elevatornogo khozyaystva, g. Gomel' (for Pushkin).

(Research, Industrial)

LAVROV, D.

"Fundamentals of safety engineering and fire prevention" by
A.D.Volkov. Reviewed by D. Lavrov. Pozh.delo 9 no.1:31 Ja '63.
(MIRA 16:1)

(Fire prevention)

(Volkov, A.D.)

LAVROV, D. A.

Lavrov, K. A. "A criticism of the morphological foundations of the chromosome theory of inheritance", Spornik nauch. trudov (Most. n/D gos. univ. in-t), Vol. IX, 1949, p. 5-24.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

LAVROV, D. D.

"Physicogeographical Characteristics of the Region Between the Rivers
Don and Manych." Cand Geog Sci, Rostov State U imeni Molotov, Geologicogeographical
Faculty, Min Higher Education, Kirov, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

STUPISHIN, A.V., prof.; BABANOV, Yu.V., ml. nauchn. sotr.;
GUSEVA, A.A., ml. nauchn. sotr.; DUGLAV, V.A., dots.;
ZAKHAROV, A.S., dots.; KOSTINA, N.M., assistant; LAYCOV,
D.D., dots.; LAPTEVA, N.N., assistant; ROMANOV, D.F., ml.
nauchn. sotr.; SIROTKINA, M.M., aspirant; SMIRNOVA, T.A.,
ml. nauchn. sotr.; TORSUYEV, N.P., st. prepod.; TAYSIN,
A.S., st. prepod.; TROFIMOV, A.M., assistant; KHARITONCHEV,
A.T., prepod.; STUPISHIN, A.V., red.; KHABIBULLOV, R.K.,
red.

[Establishing physicogeographical regions in the middle
Volga Valley] Fiziko-geograficheskoe raionirovanie Sred-
nego Povolz'ia. Kazan', Izd-vo Kazanskogo univ., 1964. 196 p.
(MIRA 18:12)

LAVROV, D.D.

Some comments on the Atlas of the U.S.S.R. Geod. i kart. no. 57
61-64 My '63. (MIRA 16:7)

(Atlases)

ZOLOTNITSKIY, N.D., kandidat tekhnicheskikh nauk, dotsent; YAICHKOV, K.M.,
kandidat tekhnicheskikh nauk, dotsent; SOLOV'YEV, N.V., kandidat tekhnicheskikh nauk, dotsent, retsenzent; TARASOV-AGALAKOV, N.A., kandidat tekhnicheskikh nauk, retsenzent; DUVANKOV, G.S., inzhener, retsenzent; ARDANSKIY, A.S., inzhener, retsenzent; LAVROV, D.P., inzhener, retsenzent; KUPRIYANOV, Ye.M., kandidat tekhnicheskikh nauk, redaktor; GORBACHEV, I.N., inzhener, redaktor.

[Safety techniques and fire-prevention techniques in construction]
Tekhnika bezopasnosti i protivopozharnaya tekhnika v stroitel'stve.
Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 350 p.
(MLRA 7:6)

(Building--Safety measures) (Fire prevention)

LAVROV, D. P. Eng.

Lightning

"Lightning protection for industrial installations and buildings."
Reviewed by D. P. Lavrov. Elektrichestvo, No. 3, 1952.

SO: Monthly List of Russian Accessions, Library of Congress, June 1952 ~~1953~~/Uncl.

LAVROV, D. P., ENGR.

Strizhevskiy, I. I.

Comments on S. G. Guzov's and I. I. Strizhevskiy's book "Safety technique in gas welding and cutting of metals. Eng. D. P. Lavrov. Avtog. delo 23 no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1953², Uncl.

LAVROV Donat Petrovich; ZHUKOV, G.I., nauchnyy redaktor; KRASIL'SHCHIK,
S.I., redaktor; TOKER, A.M., tekhnicheskiy redaktor

[Fire control measures during construction] Protivopozharnye mero-
priiatiia pri proizvodstve stroitel'nykh rabot. Moskva, Gos. izd-vo
lit-ry po stroit. i arkhitekture, 1954. 61 p. (MLRA 8:3)
(Building--Safety measures) (Fire prevention)

LAVROV, D. P.

AID P - 840

Subject : USSR/Chemistry
Card 1/1 Pub. 78 - 25/26
Author : Lavrov, D. P., Engineer
Title : Better qualified elucidation of fire prevention technique
Periodical : Neft. khoz., v. 32, #9, 85-96, S 1954
Abstract : Criticism of I. L. Chernyak's book Safety Technique of
Transportation and Storage of Oil and Gas.
Institution: None
Submitted : No date

GAKHOVICH, Aleksandr Alekseyevich; LAVROV, Donat Potrovich; CHERNYSHEV,
V.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[Fire prevention measures in railroad transportation] Protivopozharnye
meropriiatiia na zheleznodorozhnom transporte. Izd. 2-oe, ispr. 1 dop.
Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 270 p. (MLBA 10:2)
(Railroads--Fires and fire prevention)

LAVRCV, D.P. inzh.; GOVOROV, V.P., inzh., nauchnyy red.; YEL'CHUKOV, V.S.,
red.; BERKUT, I.V., otvetstv. za vypusk

[Program for the subject "Safety engineering and fire prevention" in the technical school major "Sanitary installations in buildings," approved by the Ministry of Higher Education of the U.S.S.R., April 14, 1955. A 45-hour course] Programma predmeta "Tekhnika bezopasnosti i protivopozharnaya tekhnika" k uchebnomu planu spetsial'nosti tekhnikumov "Sanitarno-tekhnicheskie ustroystva zdenii," utverzhdennomu Ministerstvom vysshego obrazovaniia SSSR, 14 aprelya 1955 g. Ob"em programy - 45 chasov. Moskva, Uchebno-metodicheskiy kabinet, 1958. 10 p. (MIRA 12:2)

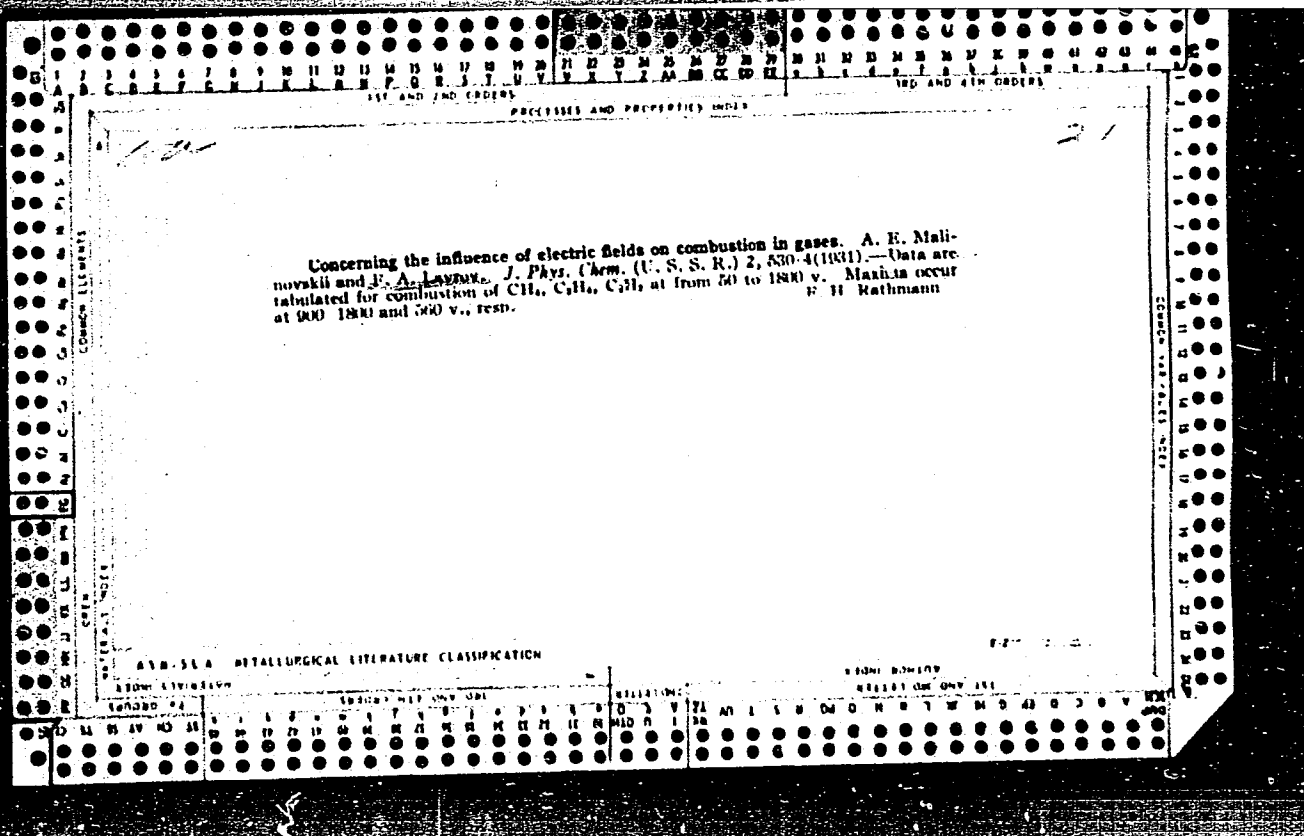
1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Otdel uchebnykh zavedeniy upravleniya kadrov.
(Industrial accidents) (Fire prevention)

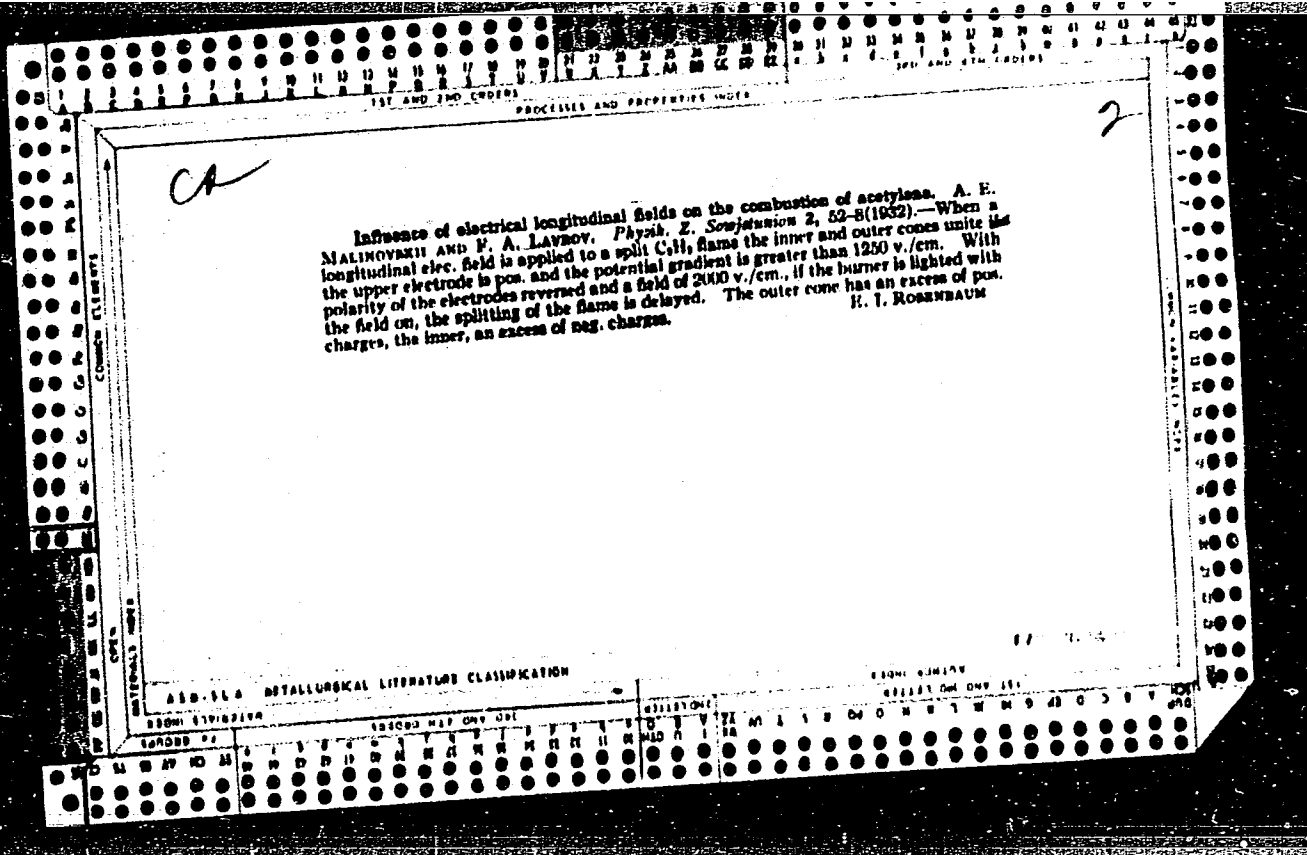
LAVROV, Donat Petrovich; FEDOSEYEV, N.P., kand.tekhn.nauk, nauchnyy red.;
ALEKSANDROVSKIY, A.V., red.; OSTROVA, I.M., red.; RAKOV, S.I.,
tekhn.red.

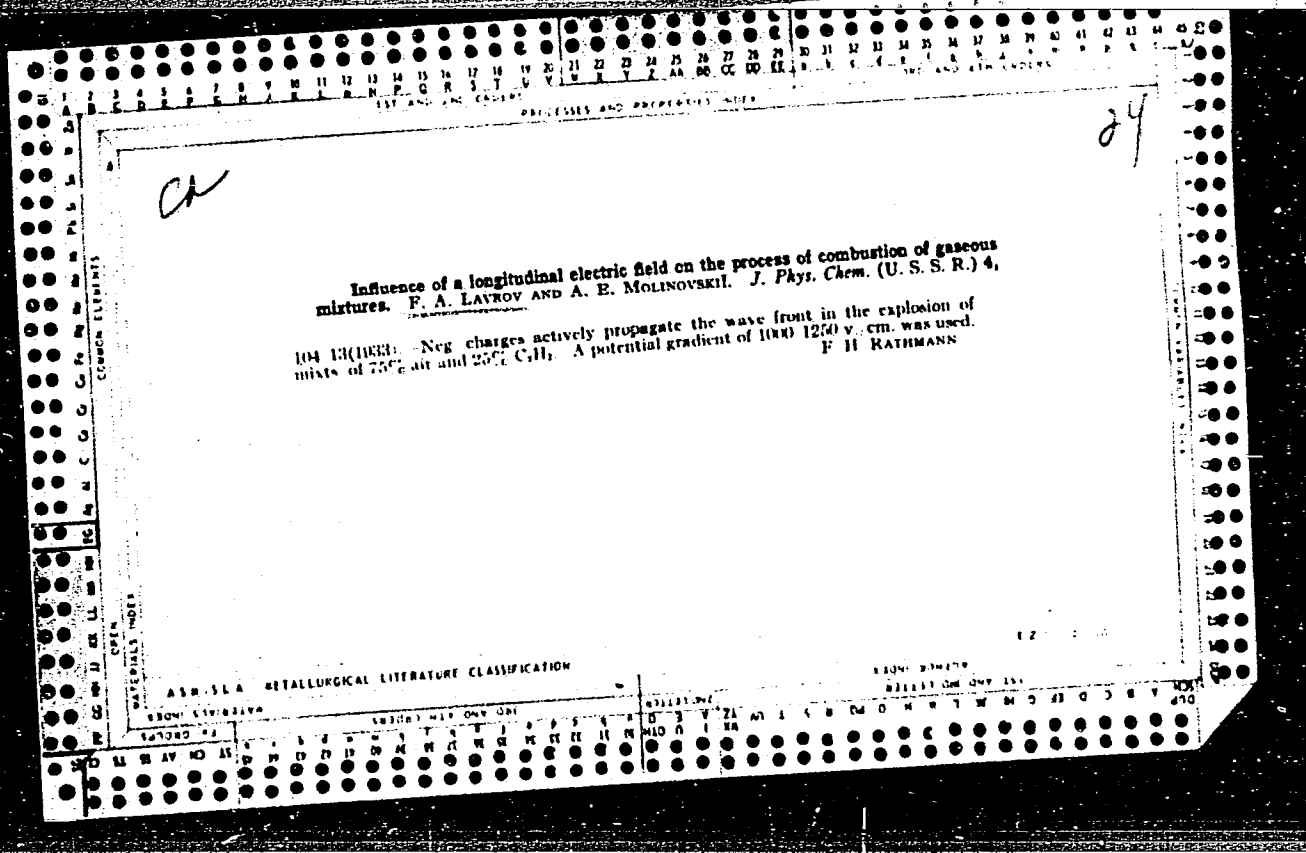
[Safety engineering and fire prevention in general construction]
Tekhnika bezopasnosti i protivopozharnaya tekhnika na obshche-
stroitel'nykh rabotakh. Moskva, Vses.uchebno-pedagog.izd-vo
Trudrezervizdat, 1959. 167 p. (MIRA 13:10)
(Building--Safety measures) (Fire prevention)

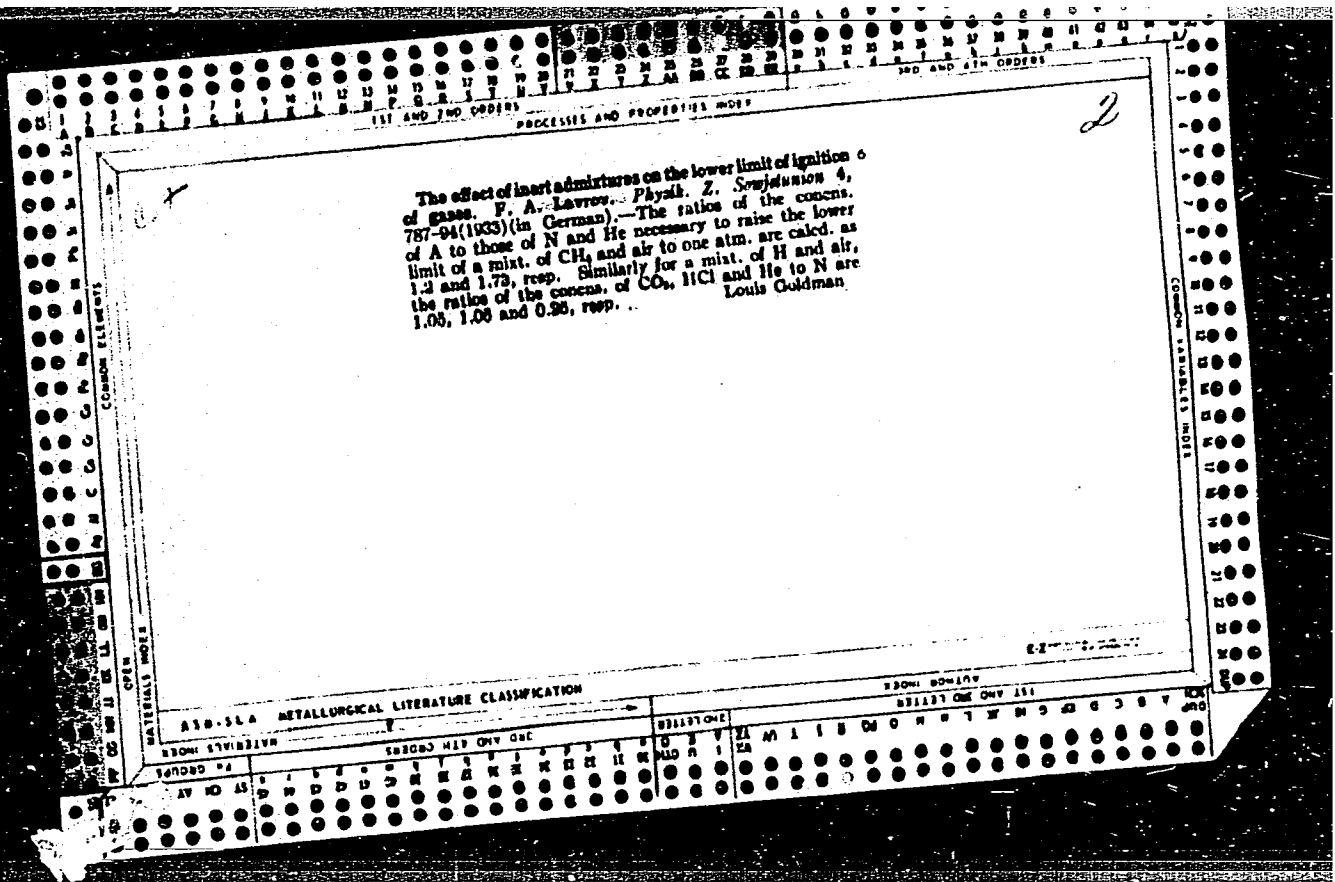
LAVROV, D.P.

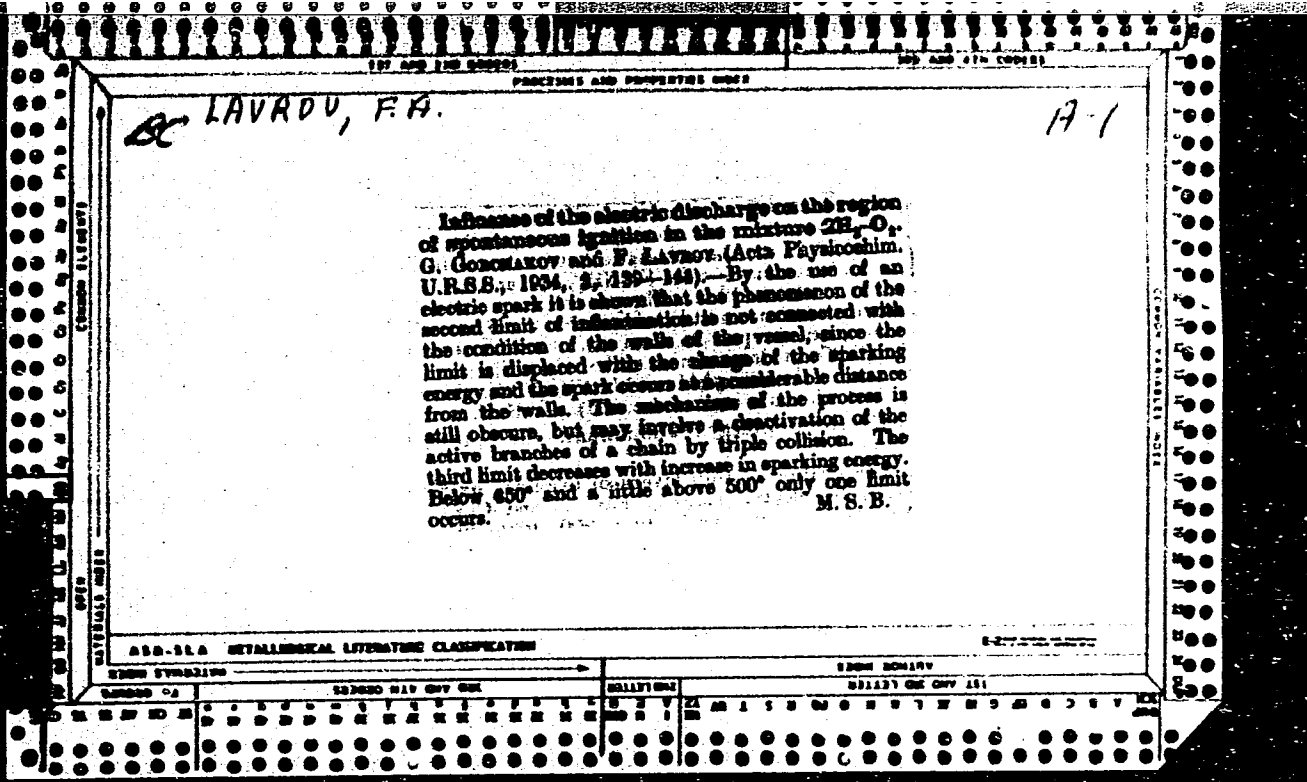
Reviews. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no.2:161-162
'65. (MIRA 18:5)











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LIST AND INDEXED
PROCESS AND PROPERTIES INDEX

EA

Relationship between the critical pressure and the energy absorbed in the photochemical ignition of mixtures of hydrogen and chlorine. F. A. Lavrov and A. V. Zagulin, *Acta Physicochim. U. R. S. S. T.*, 779-84 (1934) (in English).—Stoichiometric mixts. of H₂ and Cl₂ at various pressures were exploded by various intensities of light from a C arc. The relationship between the quantity of light absorbed and the crit. ignition pressure is given by the equation $\log(P/T) = A/T + B$. The same energy-crit. ignition pressure law is held to hold for photochem. and for spark discharge ignition. F. H. Nathmann

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1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH ORDERS

24

ca

Inflammability of hydrogen-oxygen mixtures under the influence of an electric spark discharge. A. L. Beshchastnii, E. A. Layrov and A. V. Zagulin. *Physik. Z. Sowjetunion* 5, 362-70 (in English) (1934).—Factors influencing the critical pressure of ignition of H-O mixtures by an elec. spark discharge were studied. The pressure decreased with increasing diam. of tube. The energy of the spark, Q , is related to the critical pressure P by $P = Q(\sigma^2 - 1)$. The critical pressure was lowered by CO₂ and N₂ but was increased if the proportion of these gases was more than about 25%. Excess O produced an effect similar to that of these gases. A. B. F. Duncan

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

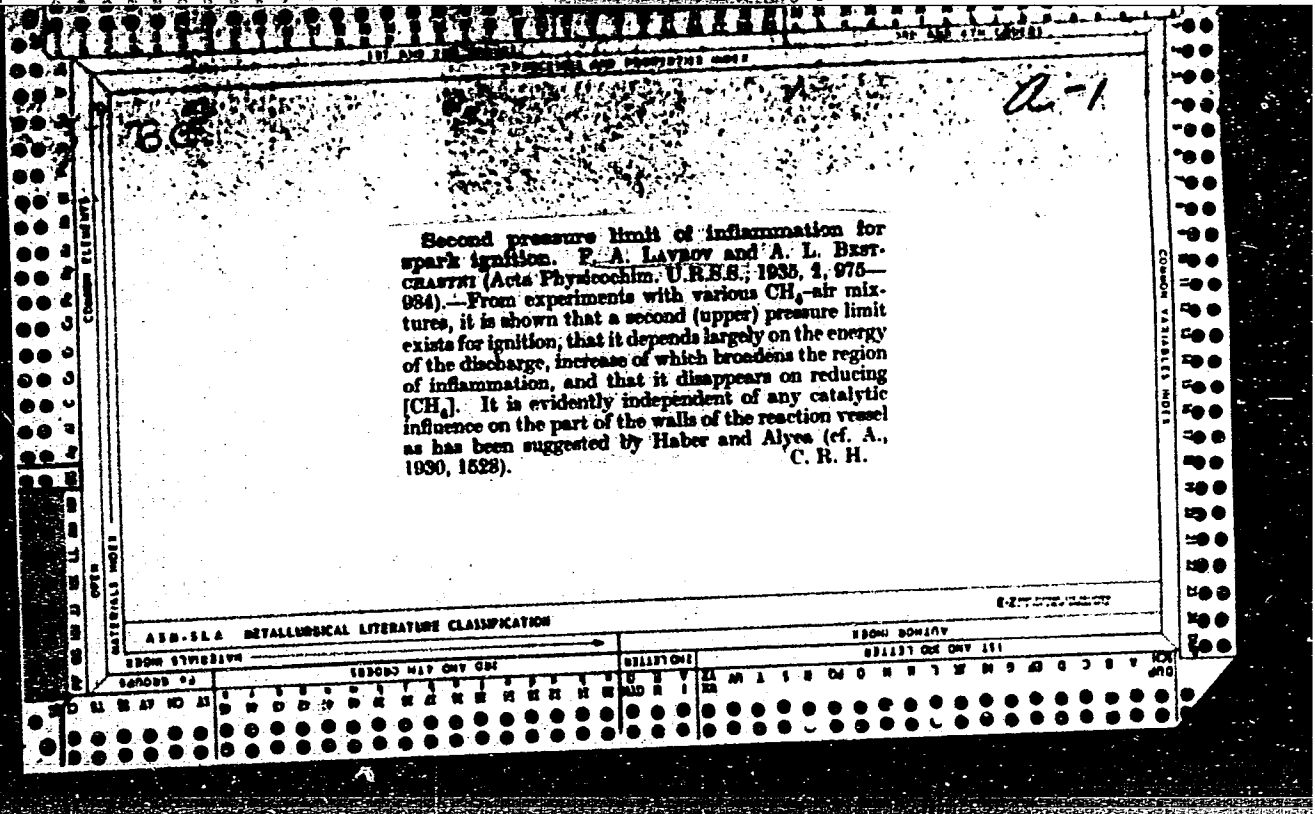
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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS



PROCESSING AND PROPERTIES INDEX

2-1

RC

Influence of inert additions on the lower limit of the photochemical explosion of the $H_2 + Cl_2$ mixture. F. A. LAVERGNE and T. PERKELMAN (Acta Physicochim. U.R.S.S., 1935, 2, 91-102).—The influence of excess of H_2 or Cl_2 and additions of N_2 , A , CO_2 and HCl on the lower explosion pressure P of stoichiometric $H_2 + Cl_2$ mixtures has been studied. P is a min. at 70% Cl_2 and then increases linearly with the pressure of added gas in accordance with a theoretical equation. Assuming equal deactivation probabilities s , in each case, the ratio addition concn./ $[N_2]$ for a given P has been calc. and good agreement obtained with experimental ratios, except in the case of HCl , when $s_{HCl} = 2.2s_{N_2}$. It is supposed that HCl becomes excited and may then activate another Cl_2 . The occurrence of P_{min} at 70% Cl_2 is ascribed to excited Cl_2 in the rôle of chain carrier. R. S.

METALLURGICAL LITERATURE CLASSIFICATION

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LAVROV, F. H.

✓16035* Russian Combustion Knock in Compression-Ignition Motors. Sgoznie soobsheniya v dvigatel'nykh s vosplamneniem ot szhatiya. F. H. Lavrov and E. N. Spirintsova. Izvestiya Akademii Nauk SSSR, Seriya Tekhnicheskikh Nauk, 1956, no. 7, July 1956, p. 88-93 + 4 plate.

A report on processes observed in an experimental transparent combustion chamber of the compression-ignition motor. Comparative discussion of motion picture records of combustion with and without knock.

2
[Handwritten signatures and initials]

was

LAVROV, F.A.; MAGIDINA, A.I.; OSNITSKAYA, L.K.

Rise of detonation in internal combustion engines. Trudy inst.
nefti. 10:307-316 '57. (MIRA 11:4)
(Gas and oil engines)
(Gasoline--Anti-knock and anti-knock mixtures)

LADROU, S.A.

5(3) 11(4) USSR I BOK EXPLORATION OCT/2001

Академия наук СССР, Институт нефти
и газа, 4. 12 (Transactions of the Petroleum Institute, USSR, Academy of
Sciences, Vol. 12) Moscow, Izdatel'stvo AN SSSR, 1956. 355 p. Articles also
inserted. 1,700 copies printed.

Ed. S. R. Serpilyukho, Professor; Ed. of Publishing House: L. G.
Mysayev; Tech. Ed.: V. V. Golubova.

PURPOSE: The book is intended for scientists, engineers, and technicians
in the petroleum industry.

CONTENTS: This collection of articles describes the results of studies on
chemistry and technology of petroleum and gas in the USSR and in the
laboratories of the Petroleum Institute and Academy of Sciences, USSR, in
1956 and 1957. A new section "Petroleum Synthesis and Technology
of Petroleum" has been included in the collection of articles. A list
of investigations published by the associates of the Institute in 1956
and 1957 and a list of dissertations for the Doctor's and Candidate's
degrees presented in 1956 and 1957 at open sessions of the Academic
Council of the Petroleum Institute, Academy of Sciences, USSR, are given.
I. M. Tikhonov, P. V. Korovin, I. A. Masayev, and V. Y. Shchekin.
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AVAILABLE: Library of Congress

LAVROV, F.A.; POKATILO, N.A.

Importance of nitrosites in the spontaneous ignition of a mixture of dicyclopentadiene and nitric acid. Report No.1; Trudy Inst.nefti 12: 354-362, '58. (MIRA 12:3)
(Dicyclopentadiene) (Nitric acid) (Combustion, Spontaneous)

LAVROV, G., Lt Col.

LAVROV, G.-

Listed as author of articles, "Improving the 'Looking Glass With Target' Apparatus," and "A Model of the Firing and Locking Mechanism of the Goryunov Machine Gun," published in Voyenny Vestnik, No 5 and 15, 1953, respectively.

(Voyenny Vestnik, No 17, Dec 53)

SO: SUM 152, 25 June 1954

LAVROV, G., podpolkovnik

Working model of a chronograph. Voen.vent. 33 no.4:64-67 Ap '54.
(MIRA 12:3)

(Chronograph)

9(4)

05388
SOV/107-59-8-8/49

AUTHOR: Lavrov, G.

TITLE: The Transistor Triode in Control Circuits

PERIODICAL: Radio, 1959, Nr 8, pp 7 - 9 (USSR)

ABSTRACT: The author explains the application of power transistors P4 and P207 for regulating the speed and direction of rotation of a dc motor, for converting dc to ac and for amplifying pulses of any shape. The P4 has a collector current of 5 amps, while the P207 has 20 amps with a permissible periodic overload of up to 40 amps. The P4 transistor may be used for controlling motors of up to 300 watts at a collector voltage of 60 volts. The P207 may be used for controlling motors up to 1200 watts, permitting brief overloads up to 2400 watts. In Figure 3, a circuit is shown which may be used for controlling dc motors and for reversing their direction of rotation. Four transistors and one transformer are used in this case. In Figure 4, a current commutator circuit, consisting of three P4 transistors, is shown. In Figure 5, a circuit diagram of a voltage converter is shown. Such a circuit may be used for eliminating the anode battery,

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05388
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The Transistor Triod in Control Circuits

since the anode voltage may be produced by combining the converter with a transformer of up to several kilovolts. Using P207 transistors, about 2kw of ac output may be obtained. Finally, in Figure 6, a pulse push-pull amplifier circuit is shown, which will amplify pulses of any shape. The amplifier has an efficiency factor of 65-70%. There are 6 circuit diagrams.

Card 2/2

LAVROV, G. A.

23838 NOVAYA SOVETSKAYA DVUKHOBOROTNAYA PLOSHOPECHATNAYA MASHINA.
POLIGR. PROIZVODSTVO, 1949, NO. 4, S. 17-19

SO: LETOPIS' NO. 31, 1949

LAVROV, G. A.

One-color two-revolution printing press DP. Moskva, Iskusstvo, 1952. 75 p. (Novosti poligraficheskoi tekhniki i tekhnologii) (53-15272)

TP893.L34

LAVROV, G.A.

BATAKOV, Aleksandr Tikhonovich; BORISOV, Vladimir Ivanovich;
ROZENFEL'D, Petr Yakovlevich; CHERNYSHEV, A.N., kand.tekhn.
nauk, retsenzent; LAVROV, G.A., inzh., retsenzent; KOHC-
VALOV, G.M., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Printing machinery] Poligraficheskie mashiny. Pod obshchei
red. A.T.Batakova. Moskva, Gos.nauchno-tekhn.izd-vo mashino-
stroit.lit-ry, 1959. 515 p. (MIRA 12:8)
(Printing machinery and supplies)

TUCHINSKIY, Naum Vladimirovich; LAVROV, Gleb Aleksandrovich; ZAYTSEV, Nikolay Petrovich; KARATYGIN, A.M., ~~docent~~, kand.tekhn.nauk, retsenzent; VOSKRESENSKIY, N.N., inzh., red.; TAIROVA, A.L., red.izd-va; CHERNOVA, Z.I., tekhn.red.

[Technology of printing-machinery manufacture] Tekhnologiya poligraficheskogo mashinostroeniia. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1960. 376 p. (MIRA 13:7)
(Printing machinery and supplies)

L 23648-66 EWT(d)/EWT(1)/EEG(k)-2/T WR

ACC NR:AM6011527

Monograph

UR/61

Lavrov, Georgiy Aleksandrovich; Knyazev, Aleksey Semenovich

49 Bf1

Surface and ^{15B}underground antennae; theory and use of antennae placed near the earth's surface (Prizemnyye i podzemnyye anteny; teoriya i praktika antenn, razmeshchennykh vblizi poverkhnosti Zemli) Moscow, Izd-vo "Sovetskoye radio", 1965. 472 p. illus., biblio. Errata slip inserted. 6800 copies printed.

TOPIC TAGS: antenna theory, antenna gain, dipole antenna, antenna, antenna configuration, antenna engineering

PURPOSE AND COVERAGE: This books is intended for technical personnel concerned with the theory and use of antennas and could be useful to students taking related courses at schools of higher education. The book discusses the results of theoretical and experimental investigations dealing with linear antennas located in the vicinity of the air-ground interface. The main emphasis is placed on methods of calculating surface and underground antennas which take into account the actual electrical parameters of the soil. In addition, the mutual and natural impedances of linear a radiator are dealt with by taking the effects of semiconductor media into account. The

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UDC 621.396.671

2

I. 25648-66

ACC NR:AM6011527

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book contains a certain amount of experimental material discussing mobile-radio-system antennas for the short- and meter-wavelength bands. The experimental determination of the basic electrical parameters of these antennas and problems connected with their power supply are reviewed. The authors state that in the accomplishment of their work they owe a great deal to Professors A. A. Pistol'kors, L. S. Korol'kevich, G. S. Ayzenberg, and B. V. Braude. They also thank V. I. Beketov, V. G. Buryak, S. V. Solov'yev, I. G. Tumilovich, N. K. Ukrainskiy, K. P. Kharchenko, and A. R. Mochek for their assistance.

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SUB CODE: 09/ SUBM DATE: 20Nov65/ ORIG REF: 054/ OTH REF: 106

Card 6/6 W

LAVROV, G.D.

Some zoogeographically interesting invertebrates of Saratov
Province. Uch. zap. Sar. gos. pedagog. inst. no. 4:67-74 '63.
(MIRA 17:10)

LAVROV, G.D., dotsent

Parasite infestations of percid fishes in the Volga River. Uch.
zap. Sar. gos. pedagog. inst. no.28:124-135 '57. (MIRA 11:7)
(Volga River--Parasites) (Parasites--Ferch)

LAVROV, G.D., kand.biolog.nauk

Atheistic education of students in the study of invertebrate animals. Biol. v shkole no. 6:27-28 H-D '60. (MIRA 14:1)

1. Saratovskiy pedagogicheskiy institut.
(Atheism--Study and teaching) (Invertebrates)

L 40166-66 EWT(1) SCTB DD

ACC NR: AP6025681

SOURCE CODE: UR/0413/66/000/013/0147/0147

INVENTOR: Privalov, A. I.; Yefremov, Ye. T.; Petkus, G. V.; Korovochkin, Yu. N.;
Lavrov, G. D.; Barykin, L. N.; Korolev, A. A.; Rakhleyeva, T. N.;
Nikonorov, B. I.; Stepner, B. P.; Vasil'yeva, V. S.

ORG: none

TITLE: Annular ²parachute. Class 62, No. 183608

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 147

TOPIC TAGS: parachute, cargo parachute

ABSTRACT: An Author Certificate has been issued for an annular supply parachute consisting of a main canopy with shroud lines leading from the lower rim and brought

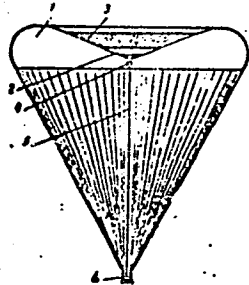


Fig. 1. Annular parachute

- 1 - Main canopy; 2 - auxiliary canopy;
- 3 - internal shroud lines; 4 - small eye ring;
- 5 - central strand; 6 - main eye ring.

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UDC: 629.13.01/06

L 40166-66

ACC NR: AP6025681

into an eye ring, and an auxiliary canopy placed inside the main canopy (see Fig. 1). To increase reliability and improve operational qualities, the auxiliary canopy in the form of a reversed cone is fastened to the main canopy's internal shroud lines, which are brought into a small eye ring connected to the main eye ring by a central strand. Orig. art. has: 1 figure. [WH]

SUB CODE: 01/ SUBM DATE: 03May65/ ATD PRESS: 5049

Card 212/174P

LAVROV, G.G.

Improving the sealing of the end transmission of a DT-54 tractor.
Avt.trakt.prom. no.8:15-16 Ag '54. (MLRA 7:9)

1. Nauchno-issledovatel'skiy avtotraktornyy institut.
(Tractors)

ACC NR: AP6035909

SOURCE CODE: UR/0413/66/000/020/0153/0154

INVENTOR: Lavrov, G. N.

ORG: none

TITLE: Amplitude decoder. Class 42, No. 187405 [announced by Volgograd Scientific Research Institute of Machine Technology (Volgogradskiy nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obrazttsy, tovarnyye znaki, no. 20, 1966, 153-154

TOPIC TAGS: ^{amplitude} decoder, computer circuit, ferrite core memory, hysteresis loop

ABSTRACT: An Author Certificate has been issued for an amplitude decoder containing a ferrite core with a rectangular hysteresis loop and output current shapers. In order to selectively include the n-th output into the function of input current amplitude, the input ferrite core windings are connected cumulatively in series. The shifting winding of all cores are connected in series contrary to the input winding. The output winding of each core is connected to the input of the corresponding shaper whose outputs are the outputs of the device. Orig.

art. has: 1 figure

SUB CODE: 09/ SUBM DATE: 12Jul65/

Card 1/1

UDC: 681.142.07:681.188

LAVROV, G. V.

USSR/Plating, Chromium
Motors, Aircraft

May 1947

"Chrome Plating Technique for Piston Rings for Aircraft Motors," L. A. Beylin, G. V. Lavrov, 4 pp

"Avtomobil'naya Promyshlennost'" No 5

Discusses chrome plating of rings with dense chrome, advantages of rings plated with porous chrome, technique of porous chrome plating of rings (in 4 operations), chrome plating and anode preparation of rings in one and in two baths, and the processing of the rings after plating.

PA 12T44

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 165 (USSR) SOV/137-58-11-22988

AUTHOR: Lavrov, G. V.

TITLE: Chrome Plating of Steel Piston Rings (Khromirovaniye stal'nykh porshnevnykh kolets)

PERIODICAL: Avtomob. prom-st', 1958, Nr 4, pp 24-26

ABSTRACT: The technique of chrome plating (C) of steel piston rings (R) was developed on a segment of a R of the ZIL-120 engine. R's with an outer diam of 101.6 mm were fabricated by means of winding tempered polished spring U8 and U10 steel. The R were placed on a special suspension device with discs serving as electric conductors. A cylindrical anode is made from sheet lead 5 mm thick. A procedure for C is established on the basis of the investigations. The assembled R were immersed in a bath containing 150 g/l chromic anhydride and 1.5 g/l H₂SO₄ (at 50-53°C) and were subjected to anodic pickling (current density being 50-60 amp/dm²) for 3 min in order to remove the oxide film and to activate the surface to be chrome-plated; the current impulse on the cathode is 70-80 amp/dm²; current density during C is 35 amp/dm² and the time of C is 45 hours. * After

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SOV/137-58-11-22988

Chrome Plating of Steel Piston Rings

removing from the bath and rinsing in cold and hot water, the suspension is disassembled, and the R are annealed at 250° for 2 hours to eliminate brittleness. By the technique indicated a uniform deposition of Cr on the entire surface is achieved and high hydrogen saturation during etching is avoided.

A. B.

* These figures were subsequently corrected to $cd=45 \text{ amp/dm}^2$ and time of C 2.5 hours. Ref RZhMet 1958, Nr 11, abstract 22989. Transl. Ed. Note

Card 2/2

28(5)

SOV/32-25-8-42/44

AUTHORS:

1) Rudyakov, Z. Z., 2) Lavrov, G. V., 3) Kobus, A. A.,
4) Karavayev, I. I., 5) Krichever, A. S., Litovchin, B. D.,
Petrashevich, N. L.

TITLE:

News in Brief

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 8, pp 1016-1018
(USSR)

ABSTRACT:

1) The author reports on a machine he designed for testing the friction coefficient of sliding (FCS). The machine (Fig) has an electromotor which rotates wheels of various sizes (diameter 100-800 mm) on a rail. The rail is pressed with a hydraulic press toward the wheel and is connected to a dynamometer. To investigate the (FCS) the author used an oscillograph MVO-2. 2) The author reports on a device for testing the adhesiveness of galvanic coatings by the method of tare blows. The device (Fig) is a plate with hemispherical hollows (30, 24, 22, 20, 18, 16, and 14 mm diameter (D)) on which a weight (1 kg) having a percussion pin on its end (D = 16 mm with a hemisphere having a D of 5 mm in the center) is dropped from varying heights. The sample is put on this plate. According to

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News in Brief

SOV/32-25-8-42/44

the height of falling of the weight and the greater the hollow beneath it, the greater is the load and therefore the deformation of the coating. 3) The author recommends the use of a "viniplast" thermostat flask for processing 6 roentgenograms, which has a capacity of 250 ml (Fig). 4) The author recommends the use of a gear pump with water lubrication, for laboratories when small quantities of a liquid have to be pumped (Fig). The two gears of the pump rotate in rubber bearings. The driving wheel is driven by a motor type MUN-100/80 (220 v, 100 w, 2200 rpm). Dimensions of the pump are 65 x 110 x 50 mm, diameter of the gears is 37 mm, capacity approximately 20 l/min. 5) The authors developed a universal device for the determination of greater stresses. The device is a separator with several balls with a diameter of 20-24 mm and a series of steel lamina (steel 3) with a thickness of 15-25 mm. One of the steel lamina serves as a standard on which the balls having the desired diameter are impressed with a pressure of 5, 10, 15, 20, 25, 30, 35, and 40 t. The device is installed at the spot where stress is being measured. Each ball makes an impression on the lamina under the given stress and the diameter of the impression is measured. The strength trans-

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News in Brief

SOV/32-25-8-42/44

mitted by the ball is calculated from a diagram (Fig). The sum of the obtained values equals the stress. There are 5 figures and 1 Soviet reference.

ASSOCIATION:

1) Dnepropetrovskiy institut zheleznodorozhnogo transporta (Dnepropetrovsk Institute of Railroad Transport) 2) Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy promyshlennosti (Scientific Research Institute of Technology of the Automobile Industry) 3) Vsesoyuznyy nauchno-issledovatel'skiy trubnyy institut (All-Union Scientific Research Institute of Tubes) 4) Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta (All-Union Scientific Research Institute of Railroad Transport)

Card 3/3

S/193/61/000/010/008/008
A004/A101

AUTHOR: Lavrov, G.V.

TITLE: The practice of the Czechoslovakian industry in the field of protective metal coatings

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 10, 1961, 86-88

TEXT: The author presents a survey on the methods of bright copper and nickel plating chiefly used in the Czechoslovakian industry and in some other metal protection processes, e.g. parkerizing, plastic coating, etc. The Institute of Material Protection im. Akimov in cooperation with the AZNP Automobile Plant and the "Java" Motorcycle Plant has carried out research work to replace cupric cyanide electrolytes by non-cyanogen ones for lustrous coatings. The most suitable is the following bath (in gram/liter): copper sulfate - 200, sulfuric acid - 30, thiourea - 0.05, molasses - 10, aniline hydrochloride - 0.03. Another alkali-cyanogen bath is being widely used to obtain lustrous coating (gram/liter): metallic copper - 60-70, free cyanide - 4-8, caustic soda - 10-15, sodium thiocyanate - 10, silicon oxide - 1-2, selenium oxide - 0.01-0.02. Czechoslovakian motorcycle plants use the following electrolyte for bright copper plating (gram/

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The practice of the Czechoslovakian industry ...

S/193/61/000/010/008/008
A004/A101

eliminated. It is pointed out that most of the polishing pastes used in the Czechoslovakian industry do not contain chromium oxide, but, aluminum oxide, ground pumice stone, tripolite, French chalk, etc. are used instead. The specialized "Kovo-Finish" Plant produces various equipment and installations for galvanic and painting and varnishing shops. Automatics for lustrous copper and nickel plating are being developed or under construction. A special material called "terilen" is recommended for filter cloth, this material being heat-resistant up to 250°C. There are 3 Soviet-bloc references.

Card 3/3

BUNIN, O.A.; MOSKVICHEV, N.T.; PLAKSIN, S.A.; Prinimali uchastiye:
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LAVROV, G.V.

Operation conditions of the dye aging and reducing
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1. Ivanovskiy nauchno-issledovatel'skiy tekstil'nyy
institut.

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STOCHIK, G.F.; LAVROV, G.V., inzh., retsenzent; FEDOROV, N.Ye.,
retsenzent; FEYGEL'SHTEYN, P.L., retsenzent; RUBTSOV, A.N.,
inzh., red.; YEVSTAF'YEVA, N.P., red.izd-va; UVAROVA, A.P.,
tekhn. red.

[Protective coatings used in the machinery industry] Zashchit-
nye pokrytiia v mashinostroenii. Moskva, Mashgiz, 1963. 287 p.
(MIRA 16:5)

(Machinery industry) (Protective coatings)

LAVROV, G.V.

Intensification of the processes of machining electroplated
part surfaces. *Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.*
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stroit. 21 no. 4:11-13 Ap '59. (MIRA 12:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'-
stvu magistral'nykh truboprovodov.
(Boring machinery)

LAVROV, G.Ye., inzh.

Organization of operations and equipment used in trenchless lay-
ing of pipes. Mont.i spets.rav.v stroi. 22 no.3:10-15 Mr '60.
(MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu
magistral'nykh trubeprovodov.
(Pipelines)

LAVROV, Gavril Yefimovich; POLYANSKIY, O.I., ved. red.; TROFIMOV,
A.V., tekhn. red.

[Modern horizontal boring machines] Sovremennye mashiny gori-
zontal'nogo burenia. Moskva, Gostoptekhzdat, 1961. 85 p.
(MIRA 15:7)

(Boring machinery)

LAVROV, G.Ye., inzh.

Foreign horizontal boring machines for trenchless pipe laying.
Stroi. truboprov. 6 no. 1:31-32 Ja '61. (MIRA 14:2)
(Boring machinery) (Pipelines)

LAVROV, G.Ye., inzh.

UGB-3 device for laying the casings of road crossings without digging trenches. Mont. i spets. rab. v stroi. 24 no.2:13-15 F '62. (MIRA 15:6)

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Preheaters for engines used in construction. Stroi. i dor. mash. 8
no.5:13-16 My '63. (MIRA 16'5)

(Engines--Cold weather operation)

BENDLER, A.I., inzh.; LAVROV, G.Ye., inzh.

The UGB horizontal boring units. Stroi. i dor. mash. 9 no.4:
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LAVROV, I., podpolkovnik meditsinskoy sluzhby

In summer, in hot weather. Starsh.-serzh. no.6:13 Je '62.

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LAVROV, I.

Count every kopeck. Grazhd. av. 20 no.1:19-20 Ja '63,
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1. Ispolnyayushchiy obyazamosti nachal'nika Khabarovskogo
aeroporta.

(Aeronautics, Commercial--Management)

LAVRCV, I. A.

28549

Rolb Myekhanizatsii V Vypolnienii Stalinskogo Plana Po Sozdaniyu Polyezashchitnykh
Lyesonasazhdydnyy Trudy Lyesotyekhn Akad Im Kirova, No. 66, 1949, s. 55-62

SO: LETOPIS NC. 38

LAVROV, I.A.

USSR/Forestry - Forest Management.

K-4

Abs Jour : Ref Zhur - Biol., No 5; 1958, 20157

Author : Lavrov, I.A.

Inst : -

Title : The Mechanization of Forestry in the Taiga Zone.

Orig Pub : Leningr. lesotekhn. akad., 1957, vyp. 81, ch. 3, 13-21

Abstract : No abstract.

Card 1/1

LAVROV, Igor' Aleksandrovich; SHTeyNBOK, G.Yu., inzh., ved. red.;
TOLCHINSKIY, Ye.M., inzh., red.; SOROKINA, T.M., tekhn.red.

[Ultrathermostat with a semiconductor temperature pickup for liquids] Ul'tratermostat zhidkostnyi s poluprovodnikovym dat-chikom temperatury. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tekhnikeskii i proizvodstvennyi opyt. Tema 34. No.P-58-53/6) (MIRA 16:2)
(Thermostat)

AUTHORS: Tayts, S. Z., Lavrov, I. A. SOV/32-24-10-50/70

TITLE: An Apparatus for Determining the Melting Temperature (Pribor dlya opredeleniya temperatury plavleniya)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10, pp 1279-1281 (USSR)

ABSTRACT: The existing apparatus for determining the melting temperature have a number of deficiencies caused by unequal heating (Ref 1), a complicated construction (Refs 2-4), and by the danger existing in determinations at higher temperatures. The systems known from publications using metallic monolite blocks (Refs 5,6) are also imperfect. The apparatus described in this paper makes possible a determination of the melting temperature from 20° to 500°, and it is possible to investigate several samples of organic and inorganic substances at the same time. The heating velocity can be regulated from 0,2 to 10 degrees/minute. A figure and a schematic representation of the apparatus are given. From the description it may be seen that a measuring microscope of the type MPB -2 with a 24-fold magnification is used. The sample is illuminated at an acute angle and after melting can also be observed in the transmitted light from a second light source. There are 2 figures and 6 references.

Card 1/2

An Apparatus for Determining the Melting Temperature

SOV/32-24-10-50/70

ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR im. N. D.
Zelinskogo (Institute of Organic Chemistry, AS USSR, imeni N. D.
Zelinskiy)

Card 2/2

8(2)

AUTHORS:

SOV/32-25-4-54/71
Buslayev, R. V., Lavrov, I. A., Lutsek, V. P., Rozengart, M. I.

TITLE:

Impulse Timing Relay for Rectifying Columns (Impul'snoye
rele vremeni dlya rektifikatsionnykh kolonok)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 4,
pp 493 - 494 (USSR)

ABSTRACT:

An impulse timing relay was designed for the purpose of automating the removal of distillates from laboratory rectifying columns. Impulses may be altered over a wide range, from 40 impulses per minute to one impulse every three minutes, the impulse duration ranging up to 38 seconds. The apparatus is fed with 127 v alternating current. It is 24 cm long, 15 cm wide, and 16 cm high. The relay is actuated through mechanical switches operated by a reversible electric motor which periodically changes the sense of rotation. It can be seen from the schematic illustration of the relays (Fig), and the description that the electric motor is of the type RD-09, and that an intermediate relay of the type RPT-100 is used. There is 1 figure.

Card 1/2