

LYANDRES, D.M., inzh.

Modernizing the regulating system for 150 kw marine turbogenerator.
Sudostroenie 24 no.2:47-49 F '58. (MIRA 11:3)
(Turbogenerators) (Governors (Steam engine))

BORNYAN, V.A.; LYANDRES, D.V.

Automatic control of the temperature conditions for drying wood by
means of radioactive isotopes. Sum. i der. prom. no.1:17-19 Ja-Mr
'64. (MIRA 17:6)

CHIZHOV, A.D.; LYANDRES, D.V.

Practices in the use of the new LK pore filler at the Bozhenko
Furniture Factory in Kiev. Bum. 1 der. prom. no.2:31-32 Ap-Je '65.
(MIRA 18:6)

LYANDRES, G.D.

AKSMAN, N.M.; VILENSKIY, L.I.; GORBUNOV, N.G.; GUBSKIY, V.N.; GURVICH, M.D.; LATYSHEV, Yu.M.; LEVONTIN, L.I.; LIVSHITS, T.G.; LOGINOVA, M.K.; LUR'YE, D.A.; LYANDRES, G.D.; MIROSHNICHENKO, G.K.; MOGILEVSKIY, B.Ya.; NEMKOVSKIY, M.I.; ORLEANSKIY, Ya.P.; SAVITSKIY, A.N.; SIMMA, S.F.; SURKOV, G.Z.; SHMYGUL', B.P.; SHUBIN, V.P.; DONSKOY, Ye.Ye., red.izd-va; KAL'NITSKIY, R.Ya., red.izd-va; ZAMAKHOVSKIY, L.S., tekhn.red.

[Mechanization and automation in the machinery industry] Mekhanizatsiya i avtomatizatsiya v stankostroenii. Khar'kov, Khar'kovskoe obl.izd-vo, 1958. 119 p. (MIRA 13:2)

1. Kharkov. Institut "Giprostanok." 2. Direktor instituta "Giprostanok" (for Orleanskiy).
(Machinery industry--Technological innovations)
(Automation)

LYANDRES, I.G. (Odessa)

Crop grown on a balcony. Zdorov'e 5 no.1:15 Ja '59 (MIRA 11:12)
(ODESSA--VITICULTURE)

VEDERNIKOV, I.N.; LYANDRES, I.L.; NAGORSKIY, V.K.; PASHKO, S.G.

Manufacture of sulfur in the form of scales. Khim.prom.
no.10:773 0 '62. (MIRA 15:12)

1. Volzhskiy sernyy kombinat.
(Sulfur)

LYANDRES, I. M.

Mbr., Uterology Clinic, Moscow Med. Inst., Min. Public Health, -c1949-.

Cand. Medical Sci.

Medicine.

"Etiology of Premature Births and Their Preventive Measures,"

SO: Akusher. i Ginekol., No. 2, 1949;

"Perineal Laceration in Childbirth, Its Prophylaxis and Treatment,"

SO: Fel'dsher i Akusher., No. 2, 1949.

LYANDRES, I.M., kandidat meditsinskikh nauk

Appearance of submucous uterine fibromyomas in puerperium. Akush.
i gin. no.3:88 My-Je '54. (MIRA 7:8)

1. Iz *maternity Home* rodil'nogo doma No.19 (glavnyy vrach N.N.Filimonov), Moskva.

(MYOMA,

*uterus, submucous in puerperium)

(UTERUS, neoplasms,

*myoma, submucous, in puerperium)

(PUERPERIUM, complications,

*uterine myomas, submucous)

Ly. Andreev I. M.
LYANDREVS, I.M., kand.med.nauk

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I can't remain silent! Zdorov'e 4 no.2:27-28 F '58. (MIRA 11:2)
(ABORTION)

LYANDRES, I.M., kand.med.nauk

Those who don't put out the fire. Zdorov'e 4 no.9:20-22 S '58
(MIRA 11:10)

(CANCER)

LYANDRES, I.M.; kand.med.nauk

The age for motherhood. Zdorov'ie 5 no.3:23-24 Mr '59.(MIRA 12:3)
(WOMEN--ANATOMY AND PHYSIOLOGY)
(LOVE, MATERNAL)

LYANDRES, I.M., kand.med.nauk

Little girl, young lady, woman. Zdorov'ie 5 no.10:20-22 0 '59.
(MIRA 13:2)

(GIRLS--CARE AND HYGIENE)

LYANDRES, I.M. [Landres, I.M.], kand.med.nauk

It's time to say that frankly. Rab.i sial. 35 no.1:23-24 Ja '59.
(MIRA 12:3)

(ABORTION)

LYANDRES, I.M., kand.med.nauk

Women's work. Zdorov'e 6 no.10:16-17 0 '60.
(WOMEN—HEALTH AND HYGIENE)

(MIRA 13:9)

LYANDRES, I.M., kand.med.nauk

The impossible is possible. Zdorov'e 7 no.6:20-21 Je '61.
(MIRA 14:7)

(HEART--ABNORMITIES AND DEFORMITIES)

LYANDRES, I.M., kand.med.nauk

← If you had gone to the doctor in time....Zdorov'e 8 no.1:12-13
Ja '62. (MIRA 15:3)

(CANCER--PREVENTION)

LYANDRES, I.M. kand.med.nauk

Do not come to your physician too late. Rab,1 sial. 38
no.3:20-21 Mr '62. (MIRA 15:2)
(UTERUS---CANCER)

LYANDRES, M., inzh.

Method of raising the operating indices of stonecutting
machinery. Bud. mat. i konstr. 4 no.2:55-56 Mr-Ap '62.
(MIRA 15:9)

(Stonecutting)

BROYDO, Natanfel' Fomich; LYANDREKS, M.B., red.; BELOGUROVA, I.A.,
tekh.n.red.

[Unified system of pneumatic devices and examples of its
application] Pnevmaticheskaya agregatnaya unifitsirovannaya
sistema (AUS) i primery ee primeneniya. Leningrad, 1960. 28 p.
(Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen pere-
dovym opytom, no.17. Seriya: Pribory i elementy avtomatiki,
vyp.2) (MIRA 14:1)
(Pneumatic control)
(Petroleum industry--Equipment and supplies)

ACCESSION NR: AT4042303

S/0000/63/003/000/0263/0270

AUTHOR: Avstreykh, G. A., M. V. Levin, Lyandres, M. B., Timofeyev, V. V.

TITLE: Electromagnetic DC pump for pumping metal in the system for cooling electrolyzer elements

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike, 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3. Riga, Izd-vo AN LatSSR, 1963, 263-270

TOPIC TAGS: direct current pump, electromagnetic pump, liquid metal pump, refrigeration, cooling system, electrolyzer, conduction pump

ABSTRACT: The authors note that in the production and transport of light metals pumps with high-power and high-efficiency are required, while in order to ensure accurate measurements it is essential that the pumps used have good adjustment qualities. At different stages of the production process the conditions under which the pump is operated and the power supplies used to drive it may vary considerably (in electrolysis plants high-power DC lines are available; in other shops single-phase or three-phase AC is preferred). Different types of pumps are therefore required in the production of light metals. In the present article, one of the cases in which an electromagnetic pump is used in light metal

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ACCESSION NR: AT4042303

production is considered. During the process of testing one of the electrolyzers it was discovered that there was a need to cool the rods to which the cathode was attached. Air cooling was found to be ineffective, and water cooling was rejected for reasons of safety. This led to the decision to employ the liquid metal as the coolant. A DC conduction pump with series-connected driving coil was selected as the best pump for the particular task. In order to make use of the DC lines in the shop the pump was connected in series with the electrolyzer. The advantages of this type of connection under the specific conditions encountered are discussed in the article. The pump designed for the test electrolyzer was rated to provide a flow of the heat-carrying agent (a eutectic Pb-Bi alloy) of $Q = 0.5-0.7$ m³/hour at a pressure of $P = 1.5$ kg/cm². A 2000-2500-ampere power supply was used to drive the pump. The pump was operated for 30 days in the cooling system of the experimental cathode device of the electrolyzer. After this period, inspection of the pump and the inner part of the channel failed to reveal any damage whatsoever. The efficiency of the pump, calculated on the basis of its pressure, productivity and power consumption when operating with the experimental electrolyzer, was only 2-3%. The authors describe the various calculation methods normally used in the design of pumps with optimal structural dimensions. Since the pump reported on in this article had non-optimal dimensions, a study was made of the applicability of these methods to such pumps (that is, to pumps

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whose structural dimensions are not optimal). The stand on which the pump testing was performed is described in detail in the article. It is noted that the same alloy used in the cooling system was employed as the working liquid. The processing of the experimental results of this test is described (the method of least squares was specifically used in the approximation of these data). The fundamental mathematical expression, on the basis of which the calculated characteristics of the pump were obtained, is analyzed. The authors note that the determination of the causes of the divergence between calculated and experimental $p = f(Q)$ characteristics, when the static characteristics show good agreement, is essential to the design of a pump to be used in an industrial cooling system associated with an electrolyzer cathode unit, since it is to a large degree on the nature of these causes that the feasibility of employing the conventional methods of calculating high-power pumps with non-optimal dimensions depends. Orig. art. has: 2 formulas and 4 figures.

ASSOCIATION: None

SUBMITTED: 04Dec63

ENCL:00

SUB CODE: IE

NO REF SOV: 006

OTHER: 004

3/3

Card

LYANDRES, M. Sh.

Performance of a stonecutting machine with heavy feeds. Stroi.
mat. 9 no.683-5 Je '63. (MIRA 17:8)

LYANDRES, N. G.

Lyandres, N. G. "A protective atmosphere for the nonoxidizing heating (of metal)",
Sbornik sokr. dokladov Srat. gor. nauch.-tekh. konf-tsi predpriyatiy mashinostroit.
i metalloobrabat. prom-sti, Saratov, 1949, p. 27-42.

SO:U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

KRYMOV, I.F.; LYANDRES, R.Z.; IOFFE, M.S.

Trends in the development of the potato processing industry in White
Russia. Trudy BNIIPPT no.4:163-177 '61. (MIRA 17:10)

LYANDRES, S.

Building with precast elements manufactured without
cement. Sel'.stroil. 16 no.2:6-7 F '62. (MIRA 15:12)

1. Glavnyy inzhener Kalininskogo silikatnogo zavoda No.1.
(Kalinin Province--Building materials)

LYANDRES, S.G.

Large lime concrete elements in fully prefabricated rural construction. Stroi. mat. 10 no.10:16-20 G '64.

(MIRA 18:2)

1. Glavnyy inzhener Kalininskogo domostroitel'nogo kombinata.

LYANDRES, S.G.

Face to face with new, large problems. Stroi. mat. 7 no.10:24-26
0 '61. (MIRA 14:10)

1. Glavnyy inzh. Kalininskogo silikatnogo zavoda No.1.
(Kalinin Province--Building materials industry)

LYANDRES, S.I., inzh.

The earth dams of the Bratsk Hydroelectric Power Station.
Gidr. stroi. 32 no.5:1-5 My '62 (MIRA 15:5)
(Bratsk Hydroelectric Power Station---Dams)

LYANDRES, S. N.

On 22 February 1946, at the Power Engineering Institute imeni Molotov, defended his dissertation on "The Methods of Investigating and Testing Certain Elements of Traction Substations and Traction Networks". Official opponents - Doctor of Technical Sciences Professor K. G. Markvardt, and Traction Engineer Major V. G. Gurvich.

So: Elektrichestvo, No 4, April 1947, pp 90-94 (U-5577, 18 February 1954)

On the basis of an analysis of breakdowns in the traction substations of the street-car and Metro lines, and of the operation of relay protection, determinations were made of the nomenclature and content of preventive, assembly-breakdown, and operational tests of the elements of traction substations and traction networks. Methods and circuits were worked out for testing mercury rectifiers and fast-acting automatic cut-out switches. An original solution was presented for the problem of determining the optimal loading of the machinery of traction substations, and methods were worked out for the automatic control of these conditions.

So: IBID

LYANDRES, S. N.

Electrical Engineering.

"Most Favorable Method of Loading Mercury-Arc Rectifier Units of Traction Sub-stations,"

SO: Elektrichestvo, No. 5, 1948, Cand. Technical Sci., Mbr., Energetics Moscow
Power Eng Inst. imeni V. M. Molotov, -c1948-.

LYANDRES, S.A.

LYANDRES, S.A. (Landres, S.N.), kandidat tekhnicheskikh nauk; REZNIKOV, A.D.,
inzhener.

Use of electric current in preparing anthracite seams for under-
ground gasification. Podzem.gaz.ugl. no.1:57-59 '57. (MIRA 10:7)

1. VNIIPodzemgas.
(Electricity in mining) (Coal gasification, Underground)

LYANDRES, S.N., kand. tekhn. nauk; REZNIKOV, A.D., inzh.

Use of electric currents for igniting underground gas producers.
Podzem. gaz. ugl. no. 2:49-51 '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Coal gasification, Underground)

8(0); 14(5)

PHASE I BOOK EXPLOITATION

SOV/2079

Bondarenko, S. T., B. Kh. Brodskaya, S. N. Lyandres, E. A. Meyerovich,
V. I. Pan'kovskiy, and A. D. Reznikov

Primeneniye elektricheskogo toka dlya neposredstvennogo vozdeystviya na plast topliva pri besshakhtnoy podzemnoy gazifikatsii (Use of Electric Current for Direct Action on Solid Fuel Seams in Underground Gasification Without Sinking a Shaft) Moscow, AN SSSR, 1959. 234 p. 1,600 copies printed.
Errata slip inserted.

Sponsoring Agency: Akademiya nauk SSSR. Energeticheskiy institut.

Ed.: E. A. Meyerovich, Professor, Doctor of Technical Sciences; Ed. of Publishing House: P. I. Zubkov; Tech. Ed.: T. V. Polyakova.

PURPOSE: This book is intended for specialists in the coal industry concerned with the underground electrocarbonization of coal.

COVERAGE: This book describes the use of electric current for the direct treatment of underground coal beds. The authors maintain that such operations call

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Use of Electric Current for Direct Action (Cont.)

SOV/2079

for the use of a high-efficiency unit able to produce sufficient electric power and to effect the release of the chemical constituents in the bed. In dealing with the electrical engineering problems involved in the process the work describes the electrolinking method. The results of field tests in electrolinking are provided in the work. The system of drilling gas-permeable channels from the surface to the fuel bed is described as is the method of directing the fuel gases from the bed to the surface. The electrical conductivity of the channels may be used for subsequent electrothermal fuel processing. Theoretical and laboratory experiments in this field were first started at the Energeticheskiiy Institut imeni G. M. Krzhizhanovskogo (Institute of Power Engineering imeni G. M. Krzhizhanovskiy). The first experiments conducted under actual conditions were carried out at the Estonian shale deposits near the town of Kiviylu, the greater part of the work involving experiments on coal. The Institut VNIIPodzemgaz (All-Union Scientific Research Institute of Underground Gas) took an active part in the trials and established a special laboratory for the purpose. The electro-linking method was next applied at the Moscow PGU station on coal beds. Professor E. A. Meyerovich supervised the electrical engineering problems in the book and wrote Chapters 1, 3, and 8. Chapters 2, 6, part of Chapters 4 and 7 were written by S. T. Bondarenko, Candidate of Technical

Card 2/10

Use of Electric Current for Direct Action (Cont.)

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Sciences (ENIN AN SSSR); Chapters 9, 4, and 7 by M. B. Brodskaya, Candidate of Technical Sciences (Institut Khimii); Chapter 11 by V. I. Pan'kovskiy, Chief Engineer of the Moscow PGU station; Chapter 10 by S. N. Lyandres, Candidate of Technical Sciences (VNIIPodzemgaz). S. P. Vladimirov and V. K. Red'kin (ENIN AN SSSR) contributed data on electrical measurements for Chapter 5; A. D. Reznikov, Chief of the Laboratory of the VNIIPodzemgaz Institute, assisted in compiling the joint reports of the Institute of Power Engineering and VNIIPodzemgaz on operations conducted at the Moscow PGU station. Other personalities mentioned include: Engineers V. A. Matveyev, P. F. Skafa, and I. S. Garkuski (Glavpodzemgaz); Professor N. V. Lavrov, Doctor of Technical Sciences; I. P. Kirichenko, Candidate of Technical Sciences; Professor A. A. Agroskin; P. G. Zubkov, Candidate of Technical Sciences. The Estonian staff consisted of I. G. Kheyl', Acting Member of the Academy of Sciences, Estonian SSR; A. K. Freyberg, Chief Administrator of the Shale and Chemical Industry of Sovnarkhoz of the Estonian Republic; A. T. Kyl', Director of the Institute of Chemistry, Academy of Sciences, and I. S. Feyngol'd, Senior Scientific Worker, Institute of Chemistry, Estonian Republic. There are 60 references: 53 Soviet, 5 English, 1 German and 1 Japanese.

Card ~~3/10~~

LYANDRES, S.N., kand. tekhn. nauk; REZNIKOV, A.D.

Investigating the electro-linking of boreholes at the Shatsk
"Podzemgaz" plant. Podzem. gaz. ugl. no.1:22-25 '59.

(MIRA 12:6)

1.VNIIPodzemgaz.

(Shatsk--Coal gasification, Underground)

LYANDRES, S. N., kand.tekhn.nauk

Using small diameter boreholes for electro-linking. Podzem.gaz.
ugl. no.2:44-46 '59. (MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley.
(Coal gasification, Underground) (Boring)

REZNIKOV, A.D.; LYANDRES, S.N., kand. tekhn. nauk; KHAR'KOV, L.A.;
Prinimali uchastiy: ZHIRNYY, A.Ye.; STRUTINSKIY, V.I.;
PERETOLCHIN, I.P.

Study of electrical linking of boreholes in the Angren Station
"Podzemgaz." Nauch. trudy VNIIPodzemgaza no.9:80-85 '63.
(MIRA 16:11)

1. Laboratoriya teplotekhniki i energetiki Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley (for Reznikov, Lyandres, Khar'kov). 2. Sotrudniki
Angrenskoy stantsii "Podzemgaz" (for Zhirnyy, Strutinskiy,
Peretolchin).

KIPRIYAN, K.; LYANDRES, Ya.

Practical activities for meeting the standards for "Ready for
Antiaircraft Defense." Voen.znan. 34 no.10:32-34 0 '58.
(MIRA 11:12)

(Air defenses)

S/017/63/000/002/003/003

AUTHOR: Lyandres, Ya.

TITLE: Nuclear weapons effects

PERIODICAL: Voyennoye Znaniya no. 2, 1963, 34-36

TEXT: The article is the first of a series which will make available to public instructors materials for training the population in defensive measures against weapons of mass destruction. The author defines nuclear weapons, explains the meaning of a TNT equivalent, and quotes N. S. Khrushchev as stating that the Soviet Union has thermonuclear weapons with yields of 50-100 million tons. Methods of nuclear delivery are described. Types of bursts and the nuclear explosion are discussed. A section in the article is devoted to each of the following subject areas, describing the phenomenon, its radius of effect, and the damage or injury which it causes: Shock wave, thermal radiation, gamma and neutron radiation, and radioactive contamination. Posters, film strips, and motion picture films are being made available to the instructors to demonstrate these effects and assist the instructor.

Card 1 of 1

BEL'CHIKOV, P.; LYANDRES, Ya.

Experience meriting wide dissemination. Voen. znar. 40 no.1:
26-27 Ja '64. (MIRA 17:4)

LYANDRES, Ya.

Teach by ocular demonstration. Voen. znan. 41 no.7:26-27 J1 '65.
(MIRA 18:7)
1. Zamestitel' direktora uchebno-metodicheskogo kabineta grazhdanskoy
oborony Tsentral'nogo komiteta Vsesoyuznogo dobrovol'nogo obshchestva
sodeystviya armii, aviatsii i flotu SSSR.

LYANDRES, Z. A.

Lyandres, Z. A. "On the technique of treating changes in the joint system", Sbornik nauch. trudov (K-vo zdravookhraneniya RSFSR. Resp. nauch.-issled. in-t vosstanovleniya trudosposobnosti fiz. defektivnykh detey im. prof. Turnera), Leningrad, 1948, p. 127-38.

SO: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

LYANDRES, Z. A. "A method of economic bone-plastic reconstruction of faulty leg bones in children", Sbornik nauch. trudov (K-vo zdravookhraneniya RSFSR. Resp. nauch.-issled. in-t vosstanovleniya trudosposobnosti fiz. defektivnykh detey im. prof. Turnera), Leningrad, 1948, p. 231-55.

SO: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

LYANDRES, Z. A.

Lyandres, Z. A. "Operative treatment of the conic process of the humerus in children", Sbornik nauch. trudov (K-vo zdavookhraneniya RSFSR. Resp. nauch.-issled. in-t vosstanovieniya trudospobnosti fiz. defektivnykh detey im. prof. Turnera), Leningrad, 1948, p. 26.-77.

SO: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

LYANDRES, Z. A. "Flat-footedness in children in amputation of one of the lower limbs", Sbornik nauch. trudov (M-vo zdravookhraneniya RSFSR. Resp. nauch.-issled. in-t vosstanovleniya trudesposobnosti fiz. defektivnykh detey im. prof. Turnera), Leningrad, 1949, p. 273-88.

SO: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

LYANDRES, Z. A.

Lyandres, Z. A. and Lyuelina, Ye. I. "Cyclography as an objective method of evaluating the mastery by a child of a prothesis", Sbornik nauch. trudov (N-vo zdaveookhraneniya RSFSR. Resp. nauch.-issled. in-t vosstanovleniya trudosposobnosti fiz. defektivnykh detey im. prof. Turnera), Leningrad, 1948, p. 289-303.

SO: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

LYANDRES, Z. A.

Lyandres, Z. A. "The genesis of rachitic exostoses of the tibia", Sbornik nauch. trudov (M-vo zdravookhraneniya RSFSR. Resp. nauch.-issled. in-t vosstanovleniya trudosposobnosti fiz. defektivnykh detey im. prof. Turnera), Leningrad, 1948, p. 428-36.

SO: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

LYANDRES, Z. A.

57/49T72

USSR/Medicine - Medical Societies
Medicine - Surgery

May 48

"Minutes of the Meeting of the Leningrad Society
of Surgeons and Orthopedists" 4 1/3 pp

"Vest Khirurgii" Vol LXVIII, No 5

The 251st meeting opened 3 Mar 48. M. Kuzlik was
chairman and Z. A. Lyandres secretary. Several
reports discussed included G. S. Rylova's "Treat-
ment of Ulcers of the Extremities by Paravertebral
Intracutaneous Injections of Novocain."

FDD

57/49T72

AVIDON, D.B., kand.med.nauk; BAIROV, G.A., kand.med.nauk; BUTIKOVA, N.I., dotsent, kand.med.nauk; BOYKOV, G.A., kand.med.nauk; VERESHCHAGINA, L.N., kand.med.nauk; GONCHAROVA, M.N., prof., doktor med.nauk; ZHOLOBOV, L.K., vrach; ZEMSKAYA, A.G., kand.med.nauk; KAYSAR'YANTS, G.A., dotsent, kand.med.nauk; KOLESOV, A.P., doktor med.nauk; KONDRAT'YEV, A.P., kand.med.nauk; KORCHANOV, G.I., kand.med.nauk; KUTUSHEV, F.Kh., kand.med.nauk; LEVINA, O.Ya., kand.med.nauk; LYANDRES, Z.A., prof., doktor med.nauk; MORZOVA, T.I., kand.med.nauk; MIRZOYEVA, I.I., kand.med.nauk; PANUSHKIN, V.S., kand.med.nauk; RASTORGUYEV, A.V., vrach; RUDAKOVA, T.A., kand.med.nauk; SAVITSKAYA, Ye.V., kand.med.nauk; SVISTUNOV, N.I., vrach; CHISTOVICH, G.V., kand.med.nauk; YAKOVLEVA, T.S., vrach; MARGORIN, Yevgeniy Mikhaylovich, prof., red.; DOLETSKIY, S.Ya., red.; VERESHCHAGINA, L.N., red.; RULEVA, M.S., tekhn.red.

[Operative surgery on children] Operativnaia khirurgia detskogo vozrasta. Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1960. 475 p. (MIRA 13:12)

(CHILDREN--SURGERY)

LYANDRES, Zelman Aronovich, prof.; UDERMAN, Sh.I., red.; KHARASH, G.A.,
tekhn.red.

[Amputations and reconstructive operations on the stumps of the
extremities of children] Amputatsii i rekonstruktivnye operatsii
na kul'tiakh konechnostei u detei. Leningrad, Medgiz, 1961.
179 p. (MIRA 14:12)

(AMPUTATION STUMP--SURGERY)

VILLA, A.R.; LYANDRES, Z.A., prof.

Effectiveness of combined sanatorium treatment of children with poliomyelitis as revealed by data of the Zelenogorsk Sanatorium of the Leningrad Public Health Department. Vop. okh. mat. i det. 6 no. 2:75-78 F '61. (MIRA 14:2)

1. Iz Zelenogorskogo sanatoriya Leningradskogo zdorovotdela dlya bol'nykh poliomyelitom (glavnyy vrach A.R. Villa) i Nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta imeni G.I. Turnera (dir. - prof. M.N. Goncharova). (POLIOMYELITIS) (ZELENOGORSK---CHILDREN---HOSPITALS)

LYANDRES, Z.A., prof.; MANSHTEYN, Yu.S.

Modified wheelchair. Ortop.travm.i protez. no.6:61 '61.
(MIRA 14:8)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo ortopedicheskogo
instituta im. G.I. Turnera (dir. - prof. M.N. Goncharova).
(MEDICAL INSTRUMENTS AND APPARATUS)

LYANDRES, Z.A., prof.

Reconstruction of the knee joint in the absence of one of femoral condyles. Ortop. travm. i protez. 22 no.1:76-77 Ja '61.
(MIRA 14:5)

1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta imeni G.I.Turnera (dir. - prof. M.N.Goncharova). Adres avtora:
Leningrad, Lakhtinskaya ul., d.10, Institut imeni Turnera.
(OSTEOMYELITIS) (KNEE—SURGERY) (FEMUR—DISEASES)

LYANDRES, Z. A., prof.

Apparatus for determining the strength of and for training the hip
and leg muscles in children with poliomyelitis. Ortop., travm. i protez.
22 no.8:74-76 Ag '61. (MIRA 14:12)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo detskogo ortopedi-
cheskogo instituta im. G. I. Turnera (dir. - prof. M. N. Goncharova)

(POLIOMYELITIS) (ORTHOPEDIC APPARATUS)

LYANDRES, Z.A., prof. (Leningrad, 66, Aviatsionnaya ul., d.13, kv.182)

Surgical treatment of children with severe forms of recurvation and
lorsening of the knee joint following poliomyelitis. (ortop., travm.
i protez. 24 no.10:65-66 O '63. (MIRA 17:5)

1. Iz Detskogo ortopedicheskogo instituta imeni G.I.Turnera (dir. -
prof. M.N.Goncharova).

LYANDRES, Z.A., prof. (Leningrad, 66, Aviatsionnaya ul., d.13, kv. 182)

Screens and beds from vinyl plastics in the treatment of
scoliosis in children. Ortop., travm. i protez. 24 no.12:
55-56 D '63. (MIRA 17:7)

1. Iz Detskogo ortopedicheskogo instituta imeni G.I. Turnera
(direktor - prof. M.N. Goncharova).

LIANDRES, Z.A., prof.; BORTFEL'D, S.A., starshiy nauchnyy sotrudnik;
GOLOVINSKAYA, N.V., starshiy nauchnyy sotrudnik;
ZAKREVSKIY, L.Z., starshiy nauchnyy sotrudnik; ZAYDEL', O.P.,
nauchnyy sotrudnik; MANUKHINA, Z.P., nauchnyy sotrudnik;
BOYKOVA, O.S., nauchnyy sotrudnik

Concepts of the abnormalities of posture and scoliosis in
children. Ortop., travm. i protez. 25 no.11:81-85 N '64.
(MIRA 18:11)

1. Iz Detskogo ortopedicheskogo Instituta imeni G.I. Turnera
(dir. - prof. M.N. Goncharova), Leningrad. Adres avtorov:
Leningrad M-136, Lakhtinskaya ul., d.10/12, Detskiy ortopedi-
cheskiy institut Turnera. Submitted January 27, 1964.

LYANDRES, Z.O.

Calculating and plotting calibration tables of oil tanks with
pontoon roofs. Neft. khoz. 38 no.3:55-59 Mr '60.
(MIRA 13:7)

(Tanks)

LYANDRES, Zalman Ovzerovich; VRONSKIY, L.N., ved. red.; STAROSTINA,
L.D., tekhn. red.

[Determining the dimensions and volumes of the foundations
and embankments of steel tanks] Opredeleeniya razmerov i ob'emov
osnovanii i obvalovani stal'nykh rezervuarov. Moskva, Gos-
toptekhnizdat, 1963. 45 p. (MIRA 16:4)
(Tanks) (Earthwork--Tables, calculations, etc.)

LYANDRES, Zalman Ovzerovich; ZUBAREVA, Ye.I., ved. red.

[Calibrating vertical cylindrical tanks with pontoon roofs]
Kalibrovka vertikal'nykh tsilindricheskikh rezervuarov s
pontonomi. Moskva, Nedra, 1964. 50 p. (MIRA 17:6)

Lyandra, V

J-2

RUMANIA/Forestry. Forest Biology and Typology.

Abs Jour: Referat Zh-Biol., No 6, 1957, 22553

Author : Pashkovskiy, Lyandra, Redulesku

Inst : 0

Title : Forest types in the Forest-Steppe District Between the Yalmoitsa and Dunai Rivers.

Orig Pub: Bul. stiint. Acad. RPR. Sec. biol. si stiinte agric., 1956, 8, No 1, 179-197

Abstract: A description is given of forest types, with detailed characteristics of the woody composition, the underbrush and the grassy cover. 1. Plantings predominantly of Quercus pedunculiflora on badly deteriorated chernozems with a loess substrate. This is the most prevalent and characteristic forest type. 2. Oak plantings (Q. pedunculiflora), occupying slightly deteriorated chernozems on loess. These plantings differ by poorer growth and almost a total absence of dead cover. 3. The same plantings as stated in

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Card : 1/3

J-2

RUMANIA/Forestry. Forest Biology and Typology.

Abs Jour: Referat Zh-Biol., No 6, 1957, 22553

2, but on sandy soil. 4. Pure plantings of Quercus pubescens, much thinned, with a powerful soil cover of steppe varieties on a mildly deteriorated, strongly carbonaceous chernozem. 5. Mixed oak plantings of Q. pedunculiflora and Q. pubescens approximately equally distributed. 6. Mixed oak plantings where Q. pedunculiflora predominates. Here one finds an admixture of Q. cerris L. and Q. Frainetto Ten. 7. Pure plantings of U. ambigua, U. foliacea. 8. Mixed oak plantings where Q. cerris predominates, with a considerable admixture of Q. pedunculiflora, Q. pubescens, and rarely Acer tataricum. 9. Pure plantings of Quercus conferta Kit. with a very insignificant admixture of Ulmus ambigua in the second tier. 10. Mixed oak plantings with an evident predominance of Q. conferta and a significant admixture of Q. pedunculiflora, rarely of Q. cerris. 11. Mixed plantings of Q. pedunculiflora, Tilia argentea, Fraxinus excelsior and Acer campestre.

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Card : 2/3

J-2

RUMANIA/Forestry. Forest Biology and Typology.

Abs Jour: Referat Zh-Biol., No 6, 1957, 22553

12. Pure elm tree groves (Ulmus procera and U. foliacea) with an insignificant admixture of Fraxinus excelsior. An ecologic chart is furnished denoting the correlation between types mentioned. It is noted that the given region is the center of propagation of oaks in the Rumanian Peoples Republic.

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Card : 3/3

RUMANIA / Forestry. Dendrology.

K

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29523.

Author : Lyandru, V.

Inst : Not given.

Title : A New Habitat for *Pinus silvestris* L. in Rumania.
(Novoye mestoobitaniye silverstris [sic] L.
(v Rumynii).

Orig Pub: Rev. padurilor, 1957, 71, No 5, 343.

Abstract: No abstract.

Card 1/1

BREUSOV, O.N.; PETROVA, L.M.; LYANDUSOV, B.G.; KORSHUNOV, B.G.; DERBIN, M.M.

Apparatus with continuous action for the chlorination of high-melting
metals. Prom.khim.reak. i osobo chist.veshch. no.2:46-48 '63.
(MIRA 17:2)

LYANDZBERG, G.YA.

KRYLOV, S.S.; RYABININAYA, G.N.; LYANDZBERG, G.Ya.; CHEGODAYEV, D.D.

Forms made of plastic materials for molding gypsum and cement
construction details. Rats. i izobr.predl. v stroi no.66:6-7 '53.
(Architecture--Details) (Plastics) (MLRA 7:9)

ANDREYEVA, I.N.; ARKHIPOVA, Z.V.; VESELOVSKAYA, Ye.V.; LEVINA, A.A.;
ANTOKOL'SKAYA, Ye.M.; LAZAREVA, N.P.; SAZHIN, B.I.; KHIN'KIS,
S.S.; SHCHERBAK, P.N.; GERBIL'SKIY, I.S.; LYANDZBERG, G.Ya.;
PARAMONKOVA, G.V.; PECHENKIN, A.L.; YEGOROV, H.M., obshchiy
red.; SHUR, Ye.I., red.; ERLIKH, Ye.Ya., tekhn.red.

[Low-pressure polyethylene] Polietilen nizkogo davlenia.
Leningrad, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1958. 90 p.
(Polyethylene)

GOLUBEVA, A.V.; SIVOGRAKOVA, K.A.; LYANDZBERG, G.Ya.; GORODETSKAYA, R.A.

The MSN ternary copolymers. Biul.tekh.-ekon.inform. no.12:12
'58. (MIRA 11:12)
(Plastics) (Polymers)

GOLUBEVA, A.V.; SIVOGRKOVA, K.A.; LYANDZBERG, G.Ya.; DOYNIKOVA, S.N.

The SM-28 copolymer of styrole with acrilonitrile. Biul.
tekh.-ekon.inform. no.12:12-13 '58. (MIRA 11:12)
(Polymers) (Acrlonitrile) (Styrene)

LYANDZBERG, G.Ya.

Various reactions of acidic dextrinesulfonic acids. Zhur.prikl.
khim. 31 no.12:1900-1902 D '58. (MIRA 12:2)
(Cellulose) (Acetylation) (Dextrins)

SIVOGRAKOVA, K. A.; BASOVA, Yu.M.; BUTYRINA, N.P.; LYANDZBERG, G.Ya.

Special transparent colorless plastics. Biul.tekh.-ekon.inform.no.2:
15-16 '59. (MIRA 12:3)

(Plastics)

ANDREYEVA, I.N.; ARKHIPOVA, Z.V.; VESELOVSKAYA, Ye.V.; LEVINA, A.A.;
ANTOKOL'SKAYA, Ye.M.; LAZAREVA, N.P.; SAZHIN, B.I.; KHIN'KIS,
S.S.; SHCHERBAK, P.N.; GERBIL'SKIY, I.S.; LYANDZBERG, G.Ya.;
PARAMONKOVA, T.V.; PECHENKIN, A.L.; YEGOROV, N.M., red.;
SHUR, Ye.I., red.; FOMKINA, T.A., tekhn.red.

[Low-pressure polyethylene] Polietilen nizkogo davlenia.
Izd.2., ispr. i dop. Leningrad, Gos.nauchno-tekhn.izd-vo
khim.lit-ry, 1960. 95 p. (MIRA 14:1)

1. Nauchno-issledovatel'skiy institut polimerizatsionnykh plast-
mass (for all, except Yegorov, Smur, Fomkina).
(Polyethylene)

IYANDZBERG, German Yakovlevich; BAZLOVA, Tamara Petrovna; BUTYRINA, Natal'ya Petrovna; GOLUBEVA, Anna Vasil'yevna; PECHENKIN, Aleksandr Leont'yevich; SIVOGRAKOVA, Klavdiya Andreyevna; AL'FERIN, G.R., red.; FREGER, D.F., red. izd-va; GVIRTS, V.L., tekhn. red.

[New L-PT acrylic plastics for pressure molding and extrusion]
Novyi akriloplast L-PT dlia lit'ia pod davleniem i ekstruzii.
Leningrad, 1961. 21 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Sinteticheskie materialy, no.9) (MIRA 14:12)

(Plastics)

SUKHAREV, M.I., kand. tekhn. nauk; KRYACHKOV, L.V., inzh.;
LYANDZBERG, G.Ya., red.; FREGER, D.P., red. izd-va;
~~BOGOMOVA, I.A.,~~ tekhn. red.

[Use of polyethylene interfacing in the manufacture of
men's shirts] Primenenie polietilenovoi plenki pri iz-
gotovlenii muzhskikh sorochek. Leningrad, 1963. 15 p.
(Leningradskii dom nauchno-tehnicheskoi propagandy.
Obmen peredovym opytom. Seriya: Shveinoe proizvodstvo,
no.5) (MIRA 16:7)

(Shirts, Men's) (Polyethylene)

PEREPEL'KIN, Vitaliy Petrovich; LYANDZBERG, G.Ya., red.; TELYASHOV,
R.Kh., red.izd-va; ~~SEBEGOVA, I.A.~~, tekhn. red.

[Polypropylene, its properties and methods of processing it]
Polipropilen, ego svoistva i metody pererabotki. Leningrad,
1963. 30 p. (Leningradskii dom nauchno-tekhnikeskoi propa-
gandy. Obmen peredovym opytom. Seria: Sinteticheskie materialy,
no.1) (MIRA 16:9)

(Polypropylene)

L 43106-65

S/0299/65/000/004/G006/G006

ACCESSION NR: AR5008609

SOURCE: Ref. zh. Biologiya. Svochnyy tom, Abs. 4G44

12
B

AUTHOR: Mokronosov, A. T.; Lyangazova, N. N.

TITLE: Post-photosynthetic steps in carbon metabolism in potatoes

CITED SOURCE: Zap. Sverdl. otd. Vses. botan. o-va, vyp. 3, 1964, 59-67

TOPIC TAGS: photosynthesis, carbon metabolism, carbon dioxide assimilation, potato tuber, illumination period

TRANSLATION: The authors studied the transport and distribution of assimilates during the first 24 hours after exposure to $C^{14}O_2$ in potato plants grown under varying periods of illumination. Before the onset of tuber formation, the C^{14} was accumulated primarily in the cellulose and proteins of the leaves and shoots. With the onset of tuber formation, transport of assimilates into the tubers predominated, while the C^{14} was concentrated in the starch and sucrose. There was an insignificant amount of C^{14} in the cellulose and proteins of the roots, but in the bleeding sap there was a rapid appearance of C^{14} involved in the A. L. Kursanov cycle. The flow of assimilates away from the leaves was more

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ACCESSION NR: AR5008609

rapid with a long day in young plants, but after the onset of tuber formation the flow was more rapid in plants exposed to a short day. The rate of return of the assimilates with the bleeding sap was also higher with a short day. A. Tabentskiy

SUB CODE: LS

ENCL: 00

Bill
Card 2/2

LYANGER, M.A., inzh.

Flexible roller bearings for belt conveyers and prospects for
their use. Stroil. i dor. mash. 7 no.9:20-21 S '62. (MIRA 15:10)
(Conveying machinery) (Roller bearings)

LYANGUZOV, A.V.

Electric tempering of set teeth in frame saws. Der.prom. 4 no.12:
16-17 D '55. (MLRA 9:3)

1. Glavnyy inzhener lesozavoda No. 40 Glavnogo upravleniya zapasov
dereva Ministerstva lesnoy promyshlennosti SSSR.
(Saw filing)

LYANGUZOV, A.V. inzhener.

Pneumatic drive in sawmills. Der. prom. 6 no.4:20-22 Ap '57.
(MLRA 10:6)

1. Sukhonskiy lesozavod No.40.
(Sawmills--Pneumatic driving)

LYANGUZOV, A.V.

Continuous production line for manufacturing nonplaned containers.
Der.prom. 7 no.11:19-21 H '58. (MIRA 11:11)

1. Sokol'skiy lesopil'no-derevoobrabatyvayushchiy kombinat.
(Woodworking industries--Management) (Containers)

LYANGUZOV, A.V.

Reorganization of the house construction shops of the Sokol Lumber
and Woodworking Combine. Der.prom. 9 no.11:22-23 N '60.
(MIRA 13:12)

(Woodworking industries)

MYASKOVSKIY, Izrail' Grigor'yevich; LYTCHEV, K.V., inzh.,
retsensent; PARFENT'YEV, N.S., inzh., retsensent;

[Electric equipment for building materials plants]
Elektrooborudovaniye zavodov stroitel'nykh materialov. Izd.2.,
perer. 1 dop. Moskva, Stroiizdat, 1964. 362 p.
(MIRA 177)

LYANITSKIY, V. YE.

LYANITSKIY, V. Ye., professor, doktor tekhnicheskikh nauk; SMORODINSKIY, N.A., dotsent; SHTENTSEL', V.K., dotsent; KAGAN, Ya.Kh., kandidat tekhnicheskikh nauk; ROMASHEV, D.G., inzhener; STREL'CHENI, M.M., inzhener.

[Harbor hydraulic-engineering installations] Portovye gidrotekhnicheskie sooruzhenia. Moskva, Izd-vo Ministerstva morskogo i rechnogo flota SSSR. Part 1. 1953. 624 p. (MLRA 6:12)
(Harbors) (Hydraulic engineering)

LYANNAYA, Z. G. Cand Tech Sci -- (diss) "Study of the composition and properties
of ^{lump} ~~certain~~ grades of ^{certain} ~~lump~~ coal of the Donbas^s." Stalino, 1959. 80 pp
(Min of Higher and Secondary Specialized Education UkSSR. Donets Order of
Labor Red Banner Industrial Inst), 150 copies (KL, 52-59, 121)

LYANNAYA, Z. G.

307/89-59-10-11/24

Kuznetsov, M.D. and Sagalovskiy, Sh.M., Korobohanskiy, V.I., Lyannaya, Z.G., and Popova, Ye.V.

An Additional Dephenolisation of Spent Ammonia Liquor in an Injection Type of Apparatus

Koks i Khimiya, 1959, Nr 10, pp 37-39 (USSR)

After dephenolising spent ammonia liquor with steam in filled scrubbers, the residual content of phenols amounts up to about 0.6 g/litres. The possibilities of an additional dephenolising in an injection type apparatus has been tested on the Makeyeva works. The apparatus consists of a Venturi tube through which steam is injected. The latter is dispersed into fine drops, thus developing 4th phases. A similar apparatus was used for the dispersion of alkali solution with steam containing phenols which pass into the solution forming compounds. The diagram of the experimental installation is shown in fig 3. After each venturi sprayer, the separation of gas and vapour phases was done in

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pylones. The dependence of the degree of dephenolation of water on specific steam consumption at various steam velocities is shown in fig 1. A 77 to 90% dephenolation takes place when changing the consumption of steam from 2 to 5 m³/litre, whereupon the concentration of phenols in water purified was obtained. Data on the degree of purification from steam are given in fig 2. The coefficient of the useful action of the apparatus changes from 82.3 to 87.4% on changing in the steam velocity from 35 to 80 m³/litre. Calculations containing below 6% of phenols. On the basis of the data obtained the degree of dephenolation of water after scrubbers for a system of recirculation of steam was calculated. The basic data: concentration of phenols in the alkali solution 0.2 g/litre; concentration of phenols in the alkali solution into scrubbing apparatus: 21.6 g/litre; steam velocity: 35 m³/litre; the amount of recirculated steam 4 2.5 and 5 m³/litre of water. The results are given in the table,

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where: η - the degree of desorption of phenols from water; G - concentration of phenols in dephenolised solution, litre/m³ of water. The content of phenols in the dephenolised water would be from 0.025 to 0.0435 g/litre. Pressure drop in the spray sprayer will be 350-400 mm H₂O. There are 3 figures, 1 table and 4 Soviet references.

ASSOCIATION: Donetskiy Industrial'nyy Institut (Donets Industrial Institute)

Card 3/3

KUZNETSOV, M.D.; LYANNAYA, Z.G.

Composition and properties of large-sized coal types of the
Donets Basin. Koks i khim. no.5:10-13 '60.
(MIRA 13:7)

1. Donetskiy industrial'nyy institut.
(Coal)

KUZNETSOV, M.D.; LYANNAYA, Z.G.

Operation of the dephenolizing scrubbers of some oven-coke plants.
Koks i khim. no.12:38-40 '60. (MIRA 13:12)

1. Donetskij politekhnicheskij institut.
(Coke industry--By-products)

KUZNETSOV, M.D.; NEPOMNYASHCHIY, I.L.; NOVITSKIY, P.L.; LYANNAYA, Z.G.

Drying ammonium sulfate in a dryer with a direct shifting of the fluidized bed. Koks i khim. no.8:39-42 '61. (MIRA 15:1)

1. Donetskiiy politekhnicheskiiy institut.
(Ammonium sulfate) (Drying apparatus)

KUZNETSOV, M.D.; LYANNAYA, Z.G.

Effect of the moisture of the charge on the cooling of coke
gas. Koks i khim. no.7:38-41 '63. (MIRA 16:8)

1. Donetskij politekhnicheskij institut.
(Coke gas---Cooling)

06548

SOV/142-2-2-24/25

9(0)

AUTHOR: Lyannoy, V.P., Engineer

TITLE: The Third All-Union Conference on Radio Electronics of the MVO SSSR

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 2, pp 258-263 (USSR)

ABSTRACT: From January 22 to 27, 1959, the Third All-Union Conference on Radio Electronics was convened by the Ministerstva vysshego obrazovaniya SSSR (USSR Ministry of Higher Education) at the Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko (Kiyev State University imeni T.G. Shevchenko). The Conference was dedicated to the hundredth anniversary of A.S. Popov's birthday. Approximately 500 vuz representatives and scientists of scientific research organizations participated. The plenary session of the Conference was opened by the head of the Kiyev State University, Academician of the UkrSSR AS, I.T. Shvets. He emphasized the importance of the scientific workers in the light of N.S. Khrushchev's thesis presented at the 21st

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Congress of the USSR Communist Party. The conference participants were also welcomed by Ya.M. Sorin on behalf of the Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo imeni A.S. Popova (All-Union Scientific Engineering Society imeni A.S. Popov). The plenary session terminated with the report of V.K. Tkach (Khar'kov) on "Some Results of the Application of Radio Electronics for Studying Biological Environments". The author explained one of the latest methods of investigating the stability of albumine structures of the blood by studying the non-stationary heat exchange of their solutions in a high-frequency field. The research results presented in this report were obtained by applying radio electronic methods for studying the dynamics of the development of cancer diseases on human beings and the development of experimental radiation diseases on animals, caused by some types of ionizing radiation. The work of the conference was conducted in seven sections in which more than 150 re-

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ports were heard on the results of scientific research and practical work in the field of radio electronics, conducted at vuzes and scientific research institutes in Moscow, Leningrad, Kiyev, Khar'kov, Tomsk, Taganrog, Saratov and other towns of the USSR. In the section "Electronics of Super-High Frequencies", 26 reports were heard. The reports of K.Ya. Lizhdvoy (Kiyev), I.I. Antakov and R.P. Vasil'yev (Gor'kiy), B.N. Bokov (Gor'kiy) dealt with new devices with cyclclidal and trochoidal trajectories in crossed fields. The reports of A.V. Gaponov (Gor'kiy), I.V. Akalovskiy (Kiyev), V.N. Ginzburg, V.A. Solntsev, A.S. Tager (Moscow) and V.A. Sosunov (Saratov), contained considerable contributions to the theory of phasochronous interaction. The papers on parametric regeneration in electron beams, presented by D.K. Akulina, S.A. Akhmanov, A.S. Gorshkov, I.G. Trofimenko (Moscow), V. S. Yergakov, A.A. Shaposhnikov (Gor'kiy) and the report of V.N. Lopukhin (Moscow) were of considerable

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interest. The reports of G.N. Rapoport (Kiyev) and I.G. Gekker (Moscow) dealt with the future development of investigating the super-high frequency generator efficiency by new methods. The reports of S.D. Gvozdover, Ye.G. Solodar' (Moscow), A.M. Kats and A.M. Tseytlin (Saratov) contained improvements in the accuracy of the travelling wave tube theory. B.G. Karmazin (Moscow) reported on "The Development of a Continuously Operating Power Amplifier Klystron for Radio Relay Communication". For calculating devices of this type, methods may be used as explained in the report of Ya.Ya. Akmentyn'sh, S.A. Zusmanovskiy, Z.I. Khaplanov (Moscow). The report "An Experimental Investigation of the Possibility of Focussing Charged Particle Beams by High-Frequency Fields" by D.M. Bravo-Zhivotovskiy, B.G. Yerevin, Ye.V. Zagryadskiy, M.N. Miller and S.B. Mochenev (Gor'kiy) was of considerable scientific interest, since it proves experimentally the focussing of charged particles by high-frequency fields

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Yu.L. Klimontovich (Moscow) reported on "The Theory of Nonlinear Plasma Oscillations and Some of Its Applications for the Analysis of the Function of Electron Ray Devices". At the section "General Electronics", many interesting reports were heard, dealing in most cases with the optics of electron beams. P.V. Golubkov and N.G. Kozlov (Saratov) reported on "The Experimental Investigation of the Electron Velocity Distribution in Electron Flows". The authors used the cylindrical condenser method of Yuz-Rozhanskiy for investigating the velocity distribution of electrons in a flow originating from an electron gun. V.P. Taranenko (Kiyev) reported on "The Application of Ion Traps in Electron-Optical Systems of cm Wave Generators". He explained the results of investigations of the electron spatial charge neutralization by positive residual gas ions under high vacuum conditions. The report of I.K. Ovchirnikov and N.S. Zinchenko (Khar'kov), titled "The Sonde Method of Invest-

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igating Axial-Symmetric Electron Beams", dealt with measuring parameters of intensive electron beams using the vibrating sonde method. M.B. Tseytlin (Saratov) explained the results of an investigation on "The Current Limitation in Beams of Finite Length" in the presence of a sufficiently strong magnetic field, preventing the spreading of the beam. K.I. Kononenko and G.A. Sobol' (Khar'kov) reported on "Detecting Properties of Gas Discharge Plasma". They presented the results of an experimental investigation of gas discharge plasma in dependence on the discharge conditions, the gas pressure, the frequency of the signals to be detected and the location and orientation of the detecting electrodes. G.L. Golub, P.A. Tarasov, L.I. Gubanov (Moscow) reported on "Wide-Band Oscillograph Tubes for Recording Millimicrosecond Electrical Pulses and Oscillations of Super-High Frequencies". They explained the development of tubes for recording super-high frequency oscillations in

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the range of recordable frequencies of up to 10,000 megacycles. The report of Yu.N. Anisimova, A.N. Vystavkin (Moscow), titled "Modelling the Trajectory of Relativistic Electrons in a Magnetic Undulator", showed the possibility of modelling the relativistic electron beam trajectories in magnetic fields of any configuration by low voltage electron beams in reduced-intensity magnetic fields. G.M. Gershteyn (Saratov) considered "The Modelling of the Electric Field by Means of Measuring the Induced Currents". "The Charge Concentration Measurement in Plasma by the Super-High Frequency Sonde Method" was considered in a report of S.M. Levitskiy, I.P. Shashurin (Kiyev). The report of V.D. Sobolev, M.N. Urlapova (Moscow) dealt with "Measuring the Thermal Electron Emission of an Oxide-Coated Cathode in Ionic Devices". The report of S.A. Tiktin (Khar'kov), titled "Electric and Thermal Ratios for Modelling High Vacuum Electronic Devices of High and Super-High Frequencies" dealt

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