SIGORSKIY, Vitaliy Petrovich, doktor tekhn. nauk; TROKHIMENKO, Ya.K., kand. tekhn.nauk, retsenzent; POLYANSKAYA, L.O., inzh., red. izd-va; MATUSEVICH, S.M., tekhn. red.

[Analysis of electronic circuits] Analiz elektronnykh skhem. Izd.2., ispr. i dop. Kiev, Gostekhizdat USSR, 1963. 198 p. (MIRA 16:5)

(Electronic circuits)

MIKHAYLOVSKIY, Vladimir Nikolayevich; SVENSON, Aleksey Nikolayevich; POLYANSKAYA, L.O., red.; MATUSEVICH, S.M., tekhn. red.

[Electronic commutators] Elektronnye kommutatory. Kiev, Gos. izd-vo tekhn. lit-ry, 1961. 138 p. (MIRA 14:10)
(Commutation (Electricity)) (Switching theory)

VOLLERNER, Naum Filippovich; POLYANSKAYA, L.O., red.; SYCHUGOV, V.G., tekhn.red.

[Adjustment, regulation, and checking of radio electronic equipment] Naladka, regulirovka i kontrol' radioelektronnoi apparatury. Kiev, Gostekhizdat USSR, 1961. 189 p. (MIRA 15:5)

(Radio—Equipment and supplies)
(Radio—Repairing)

TERENT'YEV, Sergey Nikolayevich; KARTAVYKH, Vitaliy Filippovich; POLYANSKAYA, L.O., red.; KATUSEVICH, S.M., tekhn. red.

[Triode S-band transmitters]Triodnye peredatchiki detsimetrovykh voln. Kiev, Gostekhizdat USSR, 1962. 345 p. (MIRA 16:1)

(Microwaves) (Radio--Transmitters and transmission) (Oscillators, Electron-tube)

LITVINENKO, Oleg Nikolayevich; SOSHNIKOV, Viktor Ivanovich; POLYANSKAYA, L.O., red.; MATUSEVICH, S.M., tekhn. red.

[Design of pulse-shaping lines]Raschet formiruiushchikh linii. Kiev, Gostekhizdat, 1962. 113 p. (MIRA 15:10)
(Pulse circuits) (Pulse techniques (Electronics))

GENIS, Andrian Aleksandrovich, inzh.; GORNSHTEYN, Isidor Leonovich, inzh.; PUGACH, Anatoliy Borisovich, inzh.; VEKSLER, G.S., kand. tekhn.nauk, retsenzent; POLYANSKAYA, L.O., inzh., red.izd-va; ROZUM, T.I., tekhn.red.

[Glow-discharge devices; theory fundamentals, schematics, and applications] Pribory tleiushchego razriada; elementy teorii, skhemy i ikh primenenie. Kiev, Gostekhizdat USSR, 1963. 374 p. (MIRA 17:3)

KONSTANTINOVSKIY, Arkadiy Grigor'yevich; POLYANSKAYA, L.O., red.;
GUSAROV, K.F., tekhn. red.

[Control of relaxation oscillators] Upravlenie relaksatsionnymi generatorami. Kiev, Gos.izd-vo tekhn. lit-ry USSR, 1962.
111 p. (MIRA 15:4)
(Oscillators, Electron-tube)

NESTERENKO, Anatoliy Dmitriyevich; ORNATSKIY, Petr Pavlovich; POLYANSKAYA, L.O., inzh., red.

[Components and blocks of devices; calculation and design] Detali i uzly priborov; raschet i konstruirovanie. Izd.4., ispr. Kiev, Tekhnika, 1965. 428 p. (MIRA 18:2)

POLYANSKAYA, L.S.

Intestinal Protozoa and pathogenic microflora in infants and the problem of interspecies relationship in intestinal parasitocenosis. Zhur. mikrobiol. epid. i immun. no.5:18-21 My '54. (MLRA 7:7)

1. Iz kafedry obshchey biologii i parazitologii imeni akad. Ye.N.Pavlovskogo Voyenno-meditsinskoy akademii imeni S.M.Kirova.

(INTESTINES, bacteriology,
*Protozoa & pathogenic microflora in inf., interspecies relation of microorganisms)
(PROTOZOA,
*intestinal in inf., relation to other pathogenic microorganisms)

MOROZ, P.A.; POLYANSKAYA, I.V.

Nonstationary processes in a petroleum pipeline when the regime of the operation of a pumping station changes. Neft. khoz. 43 no.5:63-68 My '65. (MIRA 18:6)

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PHASE I BOOK EXPLOITATION SOV/5457

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Sektsiya metallovedeniya i termicheskoy obrabotki metallov.

Metallovedeniye i termicheskaya obrabotka metallov; trudy Sektsii metallovedeniya i termicheskoy obrabotki metallov (Physical Metallurgy and Heat Treatment of Metals; Transactions of the Section of Physical Metallurgy and Heat Treatment of Metals) no. 2. Moscow, Mashgiz, 1960. 242 p. 6,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Tsentral'noye pravleniye.

Editorial Board: G. I. Pogodin-Alekseyev, Yu. A. Geller, A. G. Rakhshtadt, and G. K. Shreyber; Ed. of Publishing House: I. I. Lenichenko; Tech. Ed.: B. I. Model'; Managing Ed. for Literature on Metalworking and Machine-Tool Making: V. I. Mitin.

PURPOSE: This collection of articles is intended for metallurgists, mechanical engineers, and scientific research workers.

COVERAGE: The collection contains articles describing results of research conducted by members of NTO (Scientific Technical Society) of the machine-building industry in the field of physical metallurgy, and in the heat treatment of steel, cast iron, and nonferrous metals and alloys. No personalities are mentioned. Most of articles are accompanied by Soviet and non-Soviet references and contain conclusions drawn from investigations.

TABLE OF CONTENTS:

POLYANSKAYA, M.V.

30 years of practical and scientific research work of a veterinary station in the extreme north. Veterinariia 31 no.11:17-23 N '54. (MLRA 7:11)

1. Direktor Salekhardskoy NIVOS.
(REINDEER--DISEASES)
(YAMALO-NENETS NATIONAL AREA--VETERINARY MEDICINE)

POLYANSKAYA, M. V.

"Nematodirelliasis of Caribou Calves." Cand Vet Sci, All-Union Inst of Helminthology imeni K. I. Skryabin, Moscow, 1955. (KL, No 12, Mar. 55)

SO: Sum. No. 670, 29 Sep 55—Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

POLYANSKAYA, M.V., kand. veter. nauk

Monieziasis in reindeer calves. Veterinariia 38 no.7:46-47 Jl '61. (MIRA 16:8)

1. Yamal'skaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Yamal-Nenets National Area--Tapeworms)
(Yamal-Nenets National Area--Parasites--Reindeer)

SVECHNIKOV, Sergey Vasil'yevich; POLYANSKAYA, N., red.; MATUSEVICH, S., tekhn. red.

[Gas-filled tube rectifiers and thyratrons; calculation and design principles] Gazotrony i tiratrony; osnovy rascheta i konstruirovaniia. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1961. 323 p. (MIRA 14:7)
(Thyratrons) (Electron tubes)

POLYANSKAYA, O.S.

Work with lichens during students' field exercises; Luga District, Leningrad Province. Uch. zap. Ped. inst. Gerts. 179:3-12 '58.
(MIRA 16:5)

(Luga District--Lichens)

POLYANSKAYA, O.V.; FUKS, E.Ye., kand.med.nauk

Organizing the medical technicians' work in Moscow Maternity Hospital No.10. Zdrav. Ros. Feder. 5 no.9:7-10 S '61. (MIRA 14:9)

1. Iz rodil'nogo doma No.10 Moskvy.
(MOSCOW—HOSPITALS—STAFF)

POLYANSKAYA, Ol'ga Sergeyevna; STRELKOVA, Ol'ga Stepanovna; TARNYAGINA, V.V., red.; BOL'SHAKOV, V.A., tekhn.red.

[Botanical observations in city gardens and parks; a manual for teachers] Botanicheskie nabliudeniia v gorodskikh sadakh i parkakh; v pomoshch' uchiteliu. Leningrad, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, Leningr. otd-nie, 1957. 138 p. (MIRA 11:5)
(Trees) (Shrubs)

POLYANSKAYA, O.V., kand.med.nauk; FUKS, E.Ye. (Moskva)

Improved efficiency in medical documentation in the maternity home. Sov.zdrav. 21 no.10:58-59 '62. (MIRA 15:10)

1. Iz rodil'nogo doma No.10 (glavnyy vrach O.V.Polyanskaya) Moskvy.
(MATERNITY HOMES--ACCOUNTING)

FARKHADI, R.R., dotsent; POLYANSKAYA, P.I.

Raise the qualifications of medical personnel by their efforts. Med.zhur. Uzb. no.11:71-72 N '60. (MIRA 14:5)
(UZBEKISTAN--MEDICINE--STUDY AND TEACHING)

L 41597-66 EWT(l)/EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6018550 SOURCE CODE: UR/0181/66/008/006/1851/1858

AUTHOR: Polyanskaya, T. A.; Sikharulidze, G. A.; Tuchkevich, V. M.; Shmartsev, Yu. V.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)

TITLE: Galvanomagnetic phenomena in $CdSnAs_2$

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1851-1858

TOPIC TAGS: cadmium compound, galvanomagnetic effect, magnetoresistance, energy band structure, conduction band, electron interaction, phonon interaction

ABSTRACT: The purpose of the work was to investigate galvanomagnetic phenomena in both n- and p-type samples in a broader temperature interval than in the past, so as to obtain information on certain parameters of the band structure and on the carrier scattering mechanisms in $CdSnAs_2$. The measurements were made on two n-type and two p-type single-crystal samples in the temperature interval from 1.3 to 450K, by a dc potentiometric method, using a system of glass cryostats in a magnetic field up to 12 kG. Analysis of the results shows that the experimental data do not contradict the theoretical ideas concerning the structure of the conduction band. It is assumed that the predominant scattering mechanism at $T > 300K$ is interaction between electrons and optical phonons. The effective mass of the holes is found to be $m_p^* \simeq 0.1m_0$, and the mobility ratio $b = \mu_n/\mu_p = 25$ (at $T \simeq 300K$). It is proposed that at low temperatures, appreciable contribution to the electric conductivity of p-type samples is

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POLYANSKAYA, T.D., prepodavatel'; KISELEVA, G.I., red.; KARABILOVA, S.F., tekhn.red.

[Electric engineering; test assignments for students in the postal and economic section] Elektrotekhnika; kontrol'nye zadaniia dlia uchashchikhsia pochtovo-ekonomicheskogo otdeleniia. Moskva, Sviaz'izdat, 1958. 14 p. (MIRA 12:3)

1. Moscow. Vsesoyuznyy zaochnyy tekhnikum svyazi. 2. Vsesoyuznyy zaochnyy tekhnikum svyazi (for Polyanskaya).
(Electric engineering--Problems, exercises, etc.)

ZINOV'YEV, I.A.; KAL'YU, T.V.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; FOKINA, Ye.N.

Significant and anniversary dates of the history of medicine during 1962. Sov. zdrav. 20 no.9:76-79 '61. (MIRA 14:12)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni Semashko Ministerstva zdravookhraneniya SSSR.
(MEDICINE)

VENGROVA, I.V.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; FOMINA, Ye.N.

Discoveries and events. Sov. zdrav. 22 no.9:76 '63.
(MIRA 17:4)

1.Otdel istorii meditsiny i sovetskogo zdravookhraneniya Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A. Semashko.

POLYANSKAYA, T.G. (Moskva)

Students of the St. Petersburg Medicosurgical Academy as participants of the revolutionary movement in the Urals. Trudy Perm. gos. med. inst. 43:284-291 '63. (MIRA 17:6)

ZINOV'YEV, I.A.; KAL'YU, T.V.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; FOKINA, Ye.N.

Significant and anniversary dates in the history of medicine: June. Sov. zdrav. 21 no.1:61-63 '62. (MIRA 15:2)

1. Institut organizatsii zdravookhraneniya i istorii meditsiny imeni N.A.Semashko Ministerstva zdravookhraneniya SSSR, otdel istorii meditsiny.

(MEDICINE)

ZINOV'IEV, I.A.; POLYANSKAYA, T.G.

"In the name of life" by M.Mirskii. Reviewed by I.A.Zinov'ev and T.G.Polianskaia. Zdorov'e 7 no.8:29 Ag '61. (MIRA 14:9)
(BURDENKO, NIKOLAI NIKOVICH, 1876-1946) (MIRSKII, M.)

POLYANSKAYA, T.G. (Moskva)

Medical students during the revolutionary movement in Tomsk. Sov. zdrav. 20 no.4:21-29 '61. (MIRA 14:5)
(TOMSK--MEDICAL COLLEGES)

POLYANSKAYA, T.G. (Moskva)

I.M.Dogel' a fighter against alcoholism in prerevolutionary Russia.
Sov.zdrav. 21 no.7:56-60 '62. (MIRA 15:8)
(DOGEL', IVAN MIKHAILOVICH, 1830-1916)

ZINOV'YEV, I.A.; KAL'YU, T.V.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; FOKINA, Ye.N.; PRONINA, N.D., tekhn. red.

[Significant and aniversary dates in the history of medicine for 1963]Znamenatel'nye i iubileinye daty istorii meditsiny 1963 goda. Moskva, Medgiz, 1962. 61 p. (MIRA 15:11)
(MEDICINE)

VENGROVA, I.V.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; FOKINA, Ye.N.

Important and anniversary dates in the history of medicine in 1964. Sov. zdrav. 22 no.9:77-79 '63. (MIRA 17:4)

1. Otdel istorii meditsiny i sovetskogo zdravookhraneniya Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A. Semashko.

ZINOV'YEV, I.A.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; KAL'YU, T.V.; FOKINA, Ye.N.

Significant and anniversary dates in the history of medicine in 1963 - May. Sov.zdrav. 22 no.2:67-68 '63. (MIRA 16:2)
(MEDICINE)

POLYANSKAYA, T.G.

"N.V.Kirilov, a student of the Transbaikal region and the Far East" by E.D.Petriaev. Reviewed by T.G.Polianskaia. Sov. zdrav. 20 no.10:83-84 '61. (MIRA 14:9)

(KIRILOV, NIKOLAI VASIL'EVICH, 1860-1920)
(PETRIAEV, E.D.)

VENGROVA, I.V.; GUSAKOVA, T.V.; ZINOV'YEV, I.A.; POLYANSKAYA, T.G.; FOKINA, Ye.N.; PETROV, B.D., red.

[Significant dates and anniversaries in the history of medicine for 1960] Znamenatel'nye i iubileinye daty istorii meditsiny 1960 goda. Sost. I.V.Vengrova i dr. Moskva, M-vo zdravookhraneniia SSSR, 1959. 53 p. (MIRA 13:1)

1. Moscow. Institut organizatsii zdravookhraneniya i istorii meditsiny imeni N.A.Semashko. 2. Zaveduyushchiy otdelom istorii meditsiny Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A.Semashko (for Petrov).
(MEDICINE--BIOGRAPHY)

ZINOV'YEV, I.A.; KAL'YU, T.V.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; FOKINA, Ye.N.; ZUYEVA, N.K., tekhn. red.;

[Significant and jubilee dates in the history of medicine for 1962] Znamenatel'nye i iubilcinye daty istorii meditsiny 1962 goda. Moskva, Medgiz, 1962. 71 p. (MIRA 15:4)
(MEDICINE)

VENGROVA, I.V.; POLYANSKAYA, T.G.; RABINOVICH, R.S.; FOKINA, Ye.N.; PETROV, B.D., prof., red.

[Significant dates and anniversaries of medicine in 1965] Znamenatel'nye i iubileinye daty istorii meditsiny 1965 goda. Pod red. B.D.Petrova. Moskva, Meditsina, 1964. 74 p. (MIRA 17:12)

1. Zaveduyushchiy otdelom istorii meditsiny i sovetskogo zdravookhraneniya Instituta organizatsii zdravookhraneniya i istorii meditsiny im. N.A.Semashko (for Petrov).

BRAILOV, V.P.(Moskva); GORUSHKIN, V.I. (Moskva); DENISOV, V.I. (Moskva); ZAKHARIN, A.G. (Moskva); KUZ'MINA, A.A. (Moskva); POLYANSKAYA, T.M. (Moskva)

Optimization of the selection of fuels for thermal electric power plants and boiler systems in long-range planning. Izv. AN SSSR. Energ. i transp. no.4:514-524 Jl-Ag '63. (MIRA 16:11)

MAKAROV, P.A.; POLYANSKAYA, T.M.

Determination of the unit consumption of fuel of the rural districts for heating. Obshch.energ. no.4:40-44 '61. (MIRA 14:8)
(Fuel) (Heating)

BESSONOVA, I.N.; POLYANSKAYA, T.M.

Technological and economic indices in the distribution and utilization of fuel in rural districts. Obshch.energ. no.4:45-53 '61.
(MIRA 14:8)

(Fuel)

POKROVSKAYA, V.M.; POLYANSKAYA, T.N.; PROZOROVSKIY, N.A.

Topographic distribution of Draba sibinica (Pall.) Thell in Ryazan Province. Biul. MOIP. Otd. biol. 68 no.2:137-139 Mr-Ap '63. (MIRA 17:2)

ALEKSANDROVA, A. G., AND POLYANSKAYA, V. A.

The Wind-Power Resources of Voronezhskaya Oblast

The purpose of the work is to clarify the reserves of wind energy in the territory of Voronezhshskaya Oblast'. The mean annual velocities of the wind according to a number of stations in Voronezhskaya Oblast are reduced to the altitude 15 meters of a wind gauge, and corrections made for local conditions. The largest number of days with strong wind is observed in January and February, the least in the summer months. The largest number of days with calm is observed in summer. The presented table of mean annual powers of an ideal wind engine, according to data of the meteorological stations of Voronezhskaya Oblast, is computed by means of the formula $N = 0.000481\ D^2v^3E_{max}$, in kilowatts, where D is the diameter of the wheel, v is the wind velocity, and E_{max} is the maximum coefficient of utilization of wind energy of the ideal windmill ($E_{max} = 0.593$). The wind velocities chosen were the mean annual velocities reduced to height 15 meters above the surface of the earth, and corrected for local conditions surrounding the wind gauge. A table of mean annual powers of a wind engine was computed taking into account the frequency of wind velocities from 3 to 10 meters/second according to the formula: N =

0.000481 (D^2E/n). ($v_3^3n_3 + \ldots v_{10}^3n_{10}$), in kilowatts, where the v's are the operating wind velocities from 3 to 10 meters/second, and the n's are the frequencies of the velocities corresponding; n designates the sum of the n's. If in the table of the mean annual powers of a wind engine all the data are multiplied by 0.65 (i.e., coefficient 0.38 is used instead of 0.593), then one obtains the power of an actual wind engine. (RZhGeol, No. 5, 1955) Tr. Voronezhsk. un-ta, 30, 1954, 33-40.

SO: Sum. No. 741, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

ALEKSANDROVA, A.G.; POLYANSKAYA, V.A.

The cycle of winds in Voronezh and adjoining (Kamensk, Belgorod, and Lipetsk) provinces. Trudy VGU 42 no.4:77-78 '55. (MIRA 11:6)
(Voronezh Province--Winds)

POLYANSKAYA, V. A.

"Wave-Guide Propagation of a Sound Pulse in an Inhomogeneous Medium."

paper presented at the 4th All-Union Conf. on Acoustics, Moscow, 26 May - 4 Jun 58.

SOV/46-5-1-15/24

AUTHOR: Polyanskaya, V.A.

TITLE: On the [Acoustic] Field of a Pulse Source in an Underwater Acoustic Channel (O pole impul'snogo izluchatelya v podvodnom zvukovom kanale)

PERIODICAL: Akusticheskiy Zhurnal, 1959, Vol 5, Nr 1, pp 91-100 (USSR)

ABSTRACT: In long-distance underwater propagation of sound the dependence of the acoustic field on distance from a pulse source is of great interest. Brekhovskikh (Refs 1, 2) found that at a certain distance from the source a cylindrical law of decay of sound intensity (as 1/r) may hold, because of increase in the number of rays superimposed on one another with increase of distance from the source. Dimensions of the region in which the cylindrical law holds depend on the duration of the pulse. At large distances from the source the sound intensity decreases as $1/r^2$. The present paper uses the normal wave method in W.K.B. approximation to discuss underwater propagation of sound from a point source capable of producing pulses of various forms. The author found that the occurrence

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On the [Acoustic] Field of a Pulse Source in an Underwater Acoustic Channel

and the size of the region where the cylindrical decay law holds depend also on the pulse form. The results obtained are interpreted as interference of superimposed rays. The paper is entirely theoretical. There are 3 figures and 4 references, 2 of which are Soviet and 2 English.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moskva (Acoustics Institute of the Academy of Sciences of the U.S.S.R., Moscow)

SUBMITTED: December 27, 1957

3

L 34012-66 EWT(m)/EWP(j) RM

ACC NR: AP6025528 SOURCE CODE: UR/0079/66/036/001/0049/0054

46

AUTHOR: Shvets, V. I.; Volkova, L. V.; Miroshnikov, A. I.; Morozova, S. F.; Grinova, V. G.; Polyanskaya, V. A.; Preobrazhenskiy, N. A. B

ORG: Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov (Moskovskiy institut tonkoy khimicheskoy tekhnologii)

TITLE: Investigations in the field of complex lipids. Synthesis of phosphatidylserines with residues of unsaturated acids

SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 49-54

TOPIC TAGS: chemical synthesis, oleic acid, phosphorus compound, IR spectrum

ABSTRACT: The synthesis of highly unsaturated alpha-phosphatidylserines with oleic and linoleic acid residues is described. Starting materials were alpha,beta-diglycerides and the ter-butyl ester of N-phthaloylserine, produced by two methods: from the methyl acrylate and from serine, with the hydroxyl group protected with an acetyl group. Alpha(alpha'-linoleoyl-beta-oleoyl)- and alpha'-(alpha',beta-dilinoleoyl) glycerylphosphorylserines were synthesized. Alpha-(alpha'-linoleoyl-beta-oleoyl)- and alpha-(alpha', beta-dilinoleoyl) glycerylphosphoryl-N-phthaloylserines were synthesized from alpha,beta-diglycerides and the ter-butyl ester of N-phthaloylserine. The tert-butyl ester of alpha-bromo-beta-benzyloxy-propionic acid,

UDC: 547.915.4+547.392.4

Card 1/2

L 34012-66

ACC NR: AP6025528

O-benzyl-N-phthaloylserine, the ter-butyl ester of O-benzyl-N-phthaloylserine, O-acetyl-N-phthaloylserine, and the ter-butyl ester of O-acetyl-N-phthaloylserine were produced and characterized. The structures of the alpha-phosphatidylserines were confirmed by their infrared spectra. Orig. art. has: 1 figure. [JPRS: 35,998]

SUB CODE: 07, 20 / SUBM DATE: 05Sep64 / ORIG REF: 004 / OTH REF: 007

Card 2/2

ALIYEVSKY,M.YA.;ZHDANOV,V.M. (Sverdlovsk);PITYANOV,V.A. (Moscow)

"Transport phenomena in a partially ionized gas with different temperatures of the components".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

L 39817-66 EWT(m)/EWP(j) I/EWP(t) IJP(c) RM/JD/GD-2

ACC NR: AP6011017 (A) SOURCE CODE: UR/0080/66/039/003/0664/0668

AUTHOR: Polyanskaya, V. I.; Meos, A. I.; Vol'f, L. A.

ORG: Leningrad Institute of the Textile and Light Industry imeni S. M. Kirov (Leningradskiy institut tekstil'noy i legkoy promyshlennosti)

TITLE: Study of esterification of polyvinyl alcohol fibers with titanium tetrachloride

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 3, 1966, 664-668

TOPIC TAGS: polyvinyl alcohol, titanium compound, synthetic fiber, esterification

ABSTRACT: The article describes the waterproofing polyvinyl alcohol (PVA) fiber with titanium tetrachloride and examines the properties of titanium-containing fibers. Esterification of PVA fibers with $TiCl_4$ is represented as follows:

$$TiCl_4 + H_2O \rightleftarrows TiOCl_2 + 2HCl,$$

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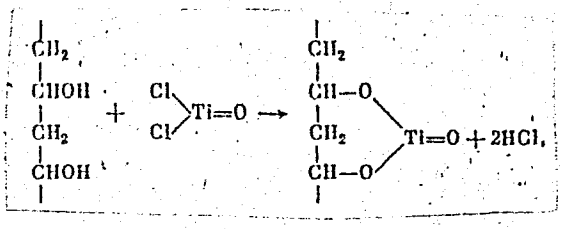
UDC: 66.095.13+547.361.2-126

ACC NR: AP6011017



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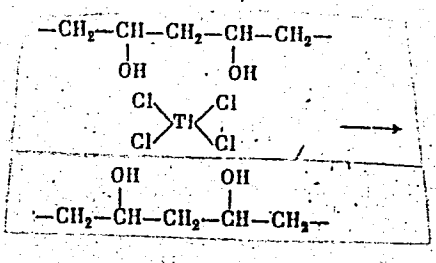
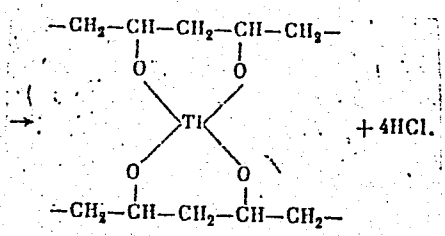


Card 2/3

L 39817-66

ACC NR: AP6011017



PVA fibers were treated with $TiCl_4$ in an aqueous bath containing sulfuric acid as catalyst. The titanium content of the fiber was found to increase with the $TiCl_4$ content in the bath. A 2.5-3 wt % content (4.7-5.7 mole % content) of Ti in the fiber ensures the required water repellency and is optimal. The optimum acid concentration is 7-12%. Orig. art. has: 2 figures.

SUB CODE: 11,07/ SUBM DATE: 12Dec64/ ORIG REF: 004/ OTH REF: 007

Card 3/3 MLP

KLADCHIKOV, S.M.; LUKANINA, Ye.U.; POLYANSKAYA, V.F.

[Methods of calculating production costs on collective farms] O sebestoimosti produktsii v kolkhozakh; metodika ischisleniia. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 109 p.

(MIRA 13:12)

(Farm produce--Costs)

POLYANSKAYA, Z.P.

Economic effectiveness of the industrial method for the construction of drilling rigs in the producing areas of the Tatar A.S.S.R. Trudy MINKHiGP no.49:54-58 '65.

(MIRA 18:8)

POL'YANSKII, N.G., MARKEVICH, S.M.,

Catalytic separation of tertiary amylenes from industrial pentane-amylene fractions.

Report presented at the 12th Conference on high molecular weight compounds, devoted to monomers, Baku, 3-7 April 62

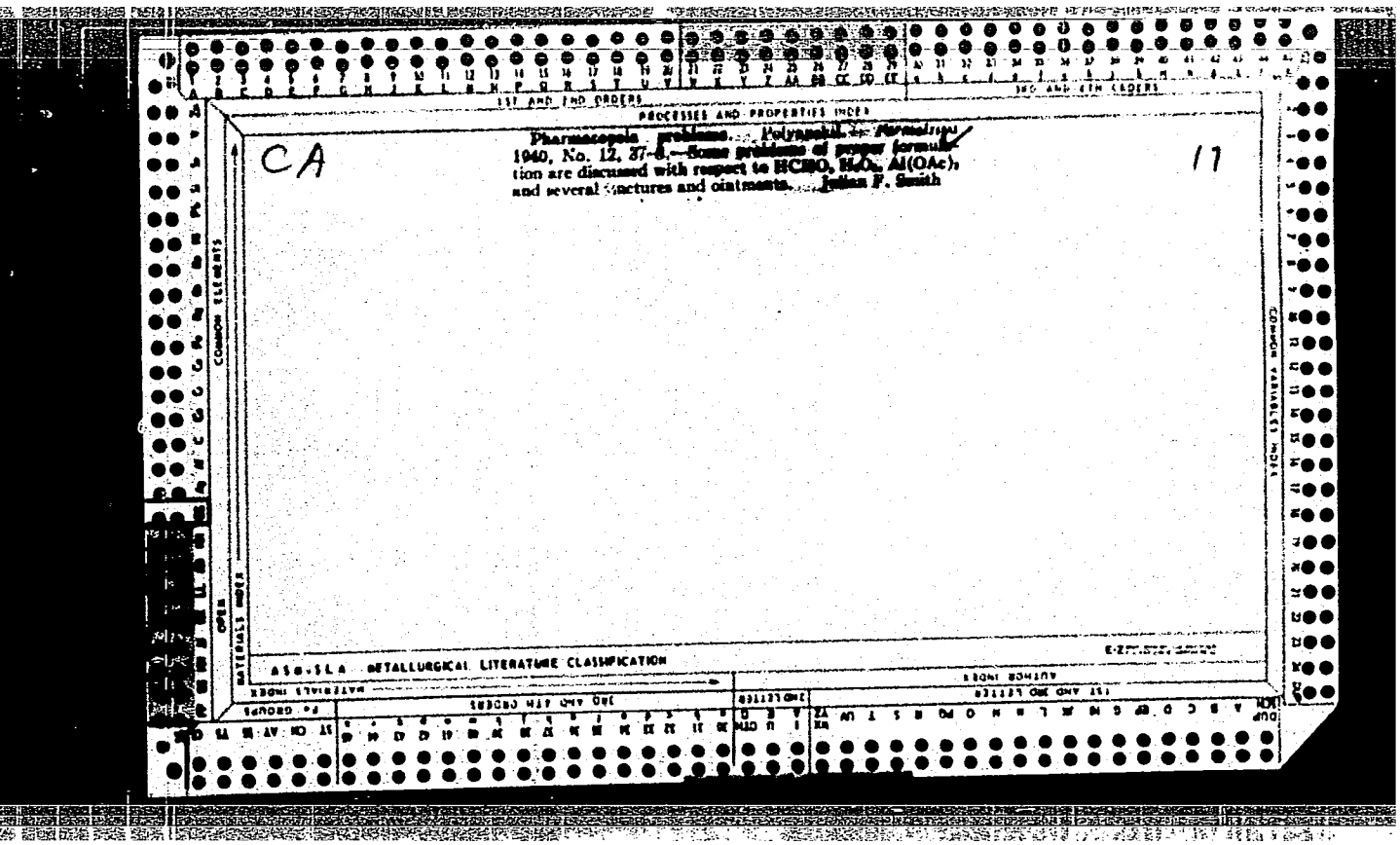
POLYANOVSKIY, Valentin Naumovich; PISKUNOV, V., red.; TROYANOVSKAYA, N., tekhn.red.

[In the interests of the people] V interesakh naroda. Moskva, Gos. izd-vo polit.lit-ry, 1957. 31 p. (MIRA 11:3)
(Agriculture)

GORBUNOV, G.M., direktor shkoly; POLYANSKAYA, Ye.P., uchitel'nitsa biologii.

Teaching biology in schools for working youth. Est. v shkole no.6:53-57 N-D '56. (MLRA 9:12)

1. Shkola rabochey molodezhi no.16 goroda Gor'kogo.
(Biology--Study and teaching)



POLYANSKIY, A.

Reminiscences about the 2nd regiment (conclusion). Nashi vesti no.61:4-5 Ag '54. (MLRA 8:1)
(Yugoslavia--World War, 1939-1945)

POLYANSKIY, A.

Reminiscences of the 2d Regiment (continuation). Nashi vesti 9 no.33:3-4 Je '53. (MLRA 7:9)
(Yugoslavia--World War, 1939-1945)

POLYANSKIY, A., kandidat arkhitektury.

Building with suspended walls. IUn.tekh. no.7:49-50 Je '57.
(MLRA 10:7)

(Brussels--Exhibitions) (Pavillions)

POLYANSKIY, A.

"Little one." Voen. znan. 37 no.10:12 O '61. (MIRA 14:9)
(Russia--Navy)

POLYANSKIY, A.

Let's give better service to workers. Prom.koop. 13 no.12:24-25 D '59. (MIRA 13:4)

1.Predsedatel' Gosplana Soveta Ministrov Tatarskoy ASSR, Kazan'.
(Tatar A.S.S.R.--Manufactures)

POLYANSKIY, A.

27-11-11/31

AUTHOR: Polyanskiy, A., Senior Inspector of the Kuybyshev Oblast' Administration of Labor Reserves

TITLE: There is Something One Can Learn From Her (U neye yest' chemu nauchit'sya)

PERIODICAL: Professional'no - Tekhnicheskoye Obrazovaniye, 1957, # 11, p 16-17 (USSR)

ABSTRACT: The training of highly qualified builders is regarded as one of the most important tasks of the Labor Reserve System. The large housing program of the Soviet Government, and the erection of hundreds of new enterprises provided for by the Sixth 5-Year Plan, require a great number of qualified workmen who know how to build. The Kuybyshev Oblast' Administration of Labor Reserves and other local administrations have done a number of things to improve the training of young workmen in the building trade. Six construction schools have been established. 9 FZO schools have been converted into construction schools, and 3 construction schools have been changed into schools with a 2-year course of training. Emphasizing that the pedagogical process in the construction schools has been better organized and

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POLYANSKIY, A., mayor (g.Yuzhno-Sakhalinsk)

Baptism by storm. Voen.znan. 36 no.11:13-14 N'60. (MIRA 13:11)
(Russia--Navy)

POLYANSKIY, A., mayor

Party private. Voen. znan. 38 no.11:9-10 N '62. (MIRA 15:11)
(Glushkov, Ivan Arkhipovich)

POLYANSKIY, A.

One can learn something from her. Prof.-tekh.obr.14 no.11:16-17 N '57. (MIRA 10:12)

1. Starshiy inspektor Kuybyshevskogo oblastnogo upravleniya trudovykh rezervov.
(Building trades--Study and teaching) (Plastering)

POLYANSKIY, A. (g.Surgut).

Outstanding work. Kinomekhanik no.6:11-12 Je '53. (MLRA 6:8)
(Moving pictures in education)

.OLYANSKIY, A.

MOVING-PICTURE PROJECTION

Venyamin Zheltonozhkin, rural motion picture operator. Kinomekhanik no. 8 1952.

Monthly List of Russian Accessions, Library of ongress. November 1952. UNCLASSIFIED

POLYANSKIY, A.

From memories of the 2nd Regiment (continuation). Nashi vesti 9 no.37: 4-5 Ag '53. (MLRA 6:7)

(World War, 1939-1945--Personal narratives)

POLYANSKIY, A.A., inzh.

A.A. Korchagin, mechanic and innovator. Transp. stroi. 14 no.4:37-38 Ap '64. (MIRA 17:9)

POLYANSKIY, Yu.I., ORLOVA, A.F.

Temperature adaptation in infusorians. Part 1: Heat resistance of Paramaecium caudatum as related to the temperature conditions of the environment [with summary in English]. Zool. zhur. 36 no.11:1630-1646 N '57. (MLRA 10:11)

1. Laboratoriya protistologii Instituta tsitologii AN SSSR (Leningrad).
(Ciliata) (Temperature--Physiological effect)
(Adaptation (Biology))

POLYANSKIY, A.A., inzh.

F.K.Kostomarov's crew of communist labor. Transp. stroi. 12 no.8:7-8 Ag '62. (MIRA 15:9)
(Moscow—Construction industry)

GREBENCHIKOV, V.O.; POLYANSKIY, A.N.

[Bibliography of the history of medicine and the organization of the public health service in Kazakhstan] Bibliograficheskie materialy po istorii meditsiny i organizatsii zdravookhraneniia v Kazakhstane, 1917-1957 gg. Alma-Ata, 1957. 215 p. (MIRA 12:1)
(BIBLIOGRAPHY--KAZAKHSTAN--PUBLIC HEALTH)

~~SHMERLING, B. M.~~ POLYANSKIY, A. N.

Patent-leather, substitute. B. M. Shmerling, S. M. Minaov, and A. N. Polyanskii, U.S.S.R., 67,112, Sept. 30, 1946. A textile base coated with polyvinyl chloride is heated on the face side until the upper layer of the coating commences to melt; then it is passed through a cooled supercalender.

M. Hoseh

POLYANSKIY, A. N.

POLYANSKIY, A. N. - "Grigoriy Nikolayevich Potanin as a Geographer-Explorer and Naturalist." Sub 30 May 52, Moscow State Pedagogical Inst imeni V. I. Lenin. (Dissertation for the Degree of Candidate in Geographical Sciences).

SO: Vehcernaya Moskva January-December 1952

POLYANSKIY, A.N.

POLYaNSKIY, A.N., kandidat tekhnicheskikh nauk.

New standard for files for sharpening wood saws. Les.prom. 14 no.1:29 Ja '54. (MLRA 7:1)
(Saw--Filing)

SLEZNIKOV, G.I., inzh.; ANNENKOVA, Ye.G., kand.tekhn.nauk; GRUDOV, P.P., kand.tekhn.nauk [deceased]; DEGTYARENKO, N.S., kand.tekhn.nauk; IMSHENNIK, K.P., kand.tekhn.nauk; KASENKOV, M.A., kand.tekhn. nauk; MEL'NIKOV, N.F., inzh.; MALOV, A.N., kand.tekhn.nauk; POKROVSKIY, B.V., inzh.; POLYAK, S.M., kand.tekhn.nauk; POLYANSKIY, A.N., kand.tekhn.nauk; POPILOV, L.Yu., inzh.; POPOV, V.A., kand. tekhn.nauk; RUBINSHTEYN, S.A., kand.tekhn.nauk; SOKOLOV, N.L., inzh.; SHAMIRGON, S.A., inzh.; SHESTOPAL, V.M., kand.tekhn.nauk; SHUKHOV, Yu.V., kand.tekhn.nauk; ACHERKAN, N.S., prof., doktor tekhn.nauk, glavnyy red.; VLADISLAVLEV, V.S., red. [deceased]; POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B., red.; CHERNAVSKIY, S.A., red.; KRYLOV, V.I., inzh, red.; KARGANOV, V.G., inzh., red.graficheskikh rabot; SOKOLOVA, T.F., tekhn.red.

[Metalworking handbook in five volumes] Spravochnik metallista v piati tomakh. Chleny red.soveta: V.S.Vladislavlev i dr. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.3. Book 2. [Ferrous and nonferrous metal products] Sortament chernykh i tsvetnykh metallov. 1958. 204 p. Vol.4. 1958. 778 p. (MIRA 12:1)
(Metalwork)

POLYANSKIY, A. N.

Hardness-Control with Files. A. N. Polyanskii. (*Zavodskaya Laboratoriya*, 1955, 21, (3), 355–356). [In Russian]. The design and use of special files for routine hardness testing are described. The technique is particularly suitable for testing rather inaccessible surfaces.—S. K.

POLYANSKIY'S A.P.

PHASE I BOOK EXPLOITATION 587

Kolobnev, I. F., Krymov, V. V., Polyanskiy, A. P.

Spravochnik liteyshchika; fasonnoye lit'ye iz alyuminiyevykh i magniyevykh splavov (Manual for the Foundry Man; Shape Casting of Aluminum and Magnesium Alloys) Moscow, Mashgiz, 1957. 482 p. 17,000 copies printed.

Ed.: Rubtsov, N. N., Doctor of Technical Sciences; Reviewers: Al'tman, M. B., Candidate of Technical Sciences; Zakharova, G. V., Candidate of Technical Sciences; Tikhova, N. M., Candidate of Technical Sciences; Arbuzov, B. A., Engineer; Astaulov, V. S., Engineer; Boykova, L. T., Engineer; Kitari-Oglu, G. S., Engineer; Krysin, B. T., Engineer; Lotareva, O. B., Engineer; Smirnova, T. I., Engineer; Khodorovskiy, G. L., Engineer; Ed. of this volume: Kolobnev, I. F., Candidate of Technical Sciences; Ed. of Publishing House: Sirotin, A. I., Engineer; Tech. Ed.: Model', B. I.; Managing Ed. for literature of heavy machine building: Golovin, S. Ya., Engineer

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Manual for the Foundry Man (Cont.)

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Manual for the Foundry Man (Cont.)

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Manual for the Foundry Man (Cont.)

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KOROTAYEV, Yuriy Pavlovich; POLYANSKIY, Aleksandr Petrovich; PETROVA, Ye.A., ved. red.; POLOSINA, A.S., tekhn. red.

[Exploitation of gas wells] Ekspluatatsiia gazovykh skvazhin; prakticheskoe rukovodstvo. 2., dop. i perer. izd. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 382 p. (MIRA 14:11)

(Gas wells)

POLIANSKIY, A. P.

Subject	:	USSR/Mining AID P - 336
Card	:	1/1
Author	:	Polyanskiy, A. P.
Title	:	Construction defects of a tightening arrangement packer
Periodical	:	Neft. Khoz., v. 32, #5, 48, My 1954
Abstract	:	The author remarks on the comments of B. S. Tolmachev published in the Neft. Khoz., No. 4, 1953 concerning the article by M. A. Zelinskiy and A. N. Shermatov "For a Rational Construction of Equipment for the Bottom and Mouth of Gas Wells", published in the Neft. Khoz., No. 7, 1952. The author considers that the packer, shown on fig. 5, of the reviewed article, has many defects and is unsatisfactory in service.
Institution	:	None
Submitted	:	No date

137-1958-2-2688

Polyanskiy, A. P.

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 70 (USSR)

AUTHOR: Polyanskiy, A.P.

TITLE: The Relation of Crack Formation to the Chemical Composition and Mode of Preparation and Casting of Alloy D 1 (an Aircraft Duralumin) (Vliyaniye khimicheskogo sostava, tekhnologii prigotovleniya i lit'ya splava D 1 na vozniknoveniye treshchin)

PERIODICAL: V sb.: Metallurg. osnovy lit'ya legkikh splavov. Moscow, Oborongiz, 1957, pp 188-191

ABSTRACT: The purpose of this study was to ascertain the basic factors responsible for crack formation in slab ingots of the alloy D 1 (an aircraft duralumin). The investigation dealt with the influence of the Fe and Si contents, of the Fe-Si ratio, and of the Zn content; statistics were compiled from a study of 169 D 1 alloy heats. Increasing the Fe and Si contents led to a decrease in the amount of spoilage due to cracks. To eliminate cracks from D 1 ingots the following was recommended: 1) that the charge for each heat be so made up that the Fe and Si contents shall each be 0.4 - 0.6 percent; 2) that the standing time of the molten metal be cut to a minimum (if the metal is continued in the molten state, saturation

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The Relation of Crack Formations to the Chemical Composition (cont.)

with H occurs); 3) that steps be taken to assure that the ingot cools evenly throughout.

1. Alloys--Ingots--Fracture

O.B.

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POLYANSKIY, A. P.

PHASE I BOOK EXPLOITATION 178

Plyatskiy, Vladimir Mikhaylovich

Lit'ye pod davleniyem (Pressure Casting) 3d ed., rev. Moscow, Oborongiz, 1957. 462 p. 7,500 copies printed.

Reviewers: Polyanskiy, A. P. and Merkulov, V. V., Engineers; Ed.: Krylov, V. I., Engineer ; Ed. of Publishing House: Petrova, I. A.; Tech. Ed.: Rozhin, V. P. Managing Ed.: Sokolov, A. I., Engineer.

PURPOSE: This book is intended for casting house workers, technical personnel and designers of casting equipment. It may also be used as a textbook for "Special Types of Casting" courses in Institutes of Technology.

COVERAGE: The book deals with the following topics: pressure castings, casting with crystallization under piston pressure, and forming of molten metal in compression-molding presses. The author stresses the importance of castings with increased density and foresees great possibilities for this type of casting as being more economical, relatively free of cavities and porosity, and high dimensional accuracy. He claims that pressure during crystallization improves the crystalline structure, and prevents the occurrence of cavities

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and porosity as gases remain in solution. The surface quality is said to be of a high order. The process is as follows: metal is poured into an open mold and pressure is applied by a punch acting on the surface of the metal. Pressure is maintained until crystallization is complete. Even more promising is said to be a method similar to press forging except that the metal is in a molten instead of a plastic state. Under this method a punch enters the mold cavity, which is partially filled with an accurately measured amount of molten metal, forcing the metal upwards tightly against the walls of the mold. The metal is held under pressure until it solidifies. The density and homogeneity of the casting and its dimensional accuracy and surface finish are said to be of a high order. The advantages over conventional press forging are numerous: no pre-cut bar stock is necessary, many kinds of non-ferrous alloys can be processed, 6-8 times less power is needed than for pressing, there is less wear on equipment, thin and heavy sections can be produced and little or no machining is required. The author claims that this method is additionally more advantageous than conventional pressure casting as there is no loss of metal due to gating, there is no possibility of air pocket formation, and the problems of turbulent metal-flow are nonexistent. This method is most suitable for hollow and cylindrical shapes. The book contains numerous illustrations and descriptions of machines used in pressure casting. There are 41 references, of which 33 are Soviet, 7 English, 1 German.

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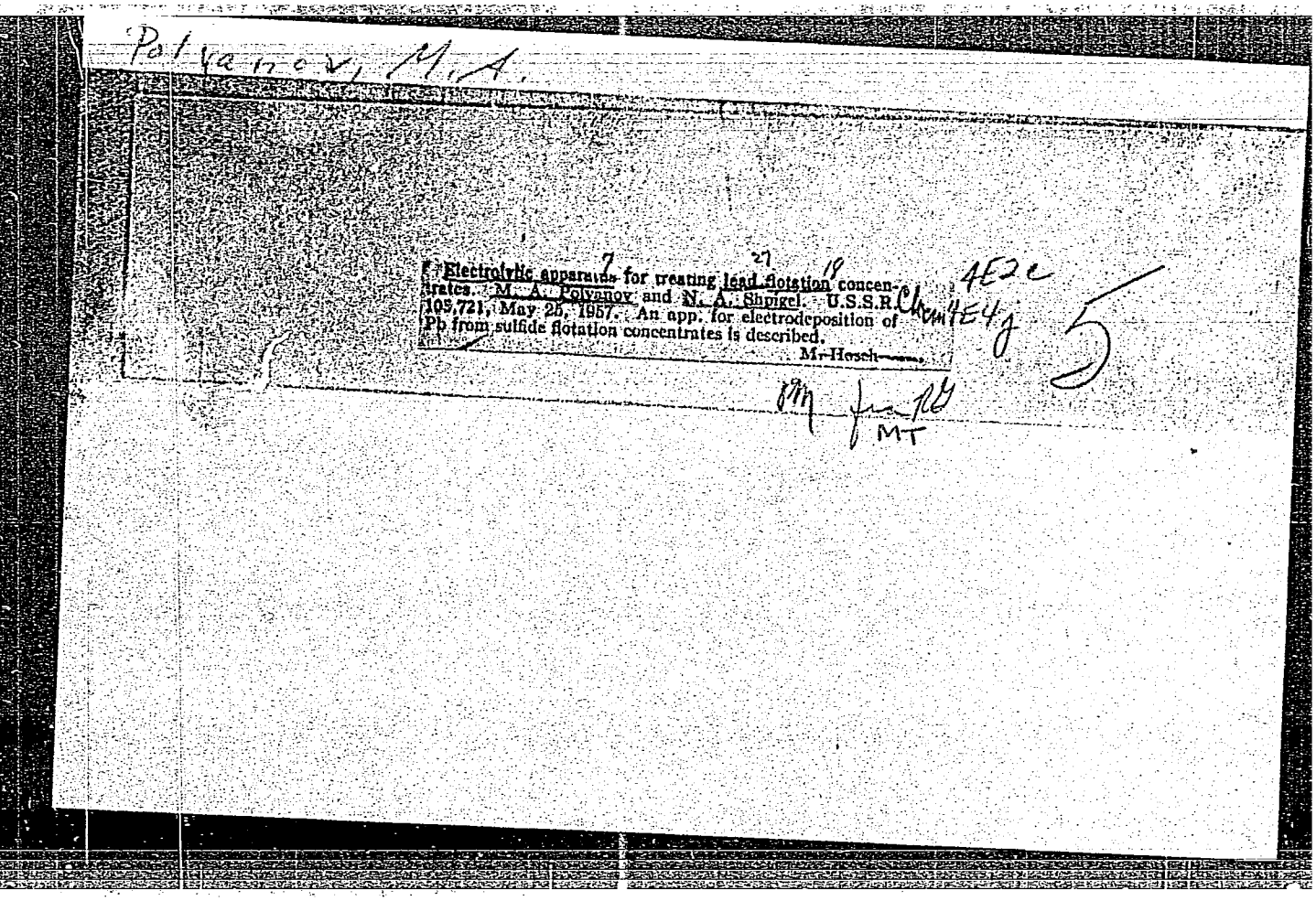
TABLE OF CONTENTS:

AL'TMAN, Morits Borisovich; LEBEDEV, Aleksandr Aleksandrovich; POLYANSKIY, Aleksey Pavlovich; CHUKHROV, Matvey Vasil'yevich; MIKHEYEVA, V.I., professor, doktor, retsenzent; KRYMOV, V.V., kandidat tekhnicheskikh nauk, retsenzent; FRIDLYANDER, I.N., kandidat tekhnicheskikh nauk, retsenzent; TELIS, M.Ya, inzhener, retsenzent; KRYSIN, B.T., retsenzetnt; LUZHNIKOV, L.P., redaktor; KAMAYEVA,O.M., redaktor izdatel'stva; ATTOPOVICH, M.K., tekhnicheskiy redaktor

[Melting and casting of light alloys] Plavka i lit'e legkikh splavov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 491 p. (MLRA 9:10)
(Alloys--Metallurgy)



Polyanov, M. A.

Electrolytic apparatus for treating lead flotation concentrates. M. A. Polyanov and N. A. Shmigel. U.S.S.R. 105,721, May 25, 1957. An app. for electrodeposition of Pb from sulfide flotation concentrates is described.

M-Hesch

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POLYANSKIY, Aleksandr Petrovich; KOROTAYEV, Yuriy Pavlovich; PETROVA, Ye.A., vedushchiy redaktor; POLOSINA, A.S., tekhnicheskiy redaktor

[Exploitation of gas wells; a practical manual] Ekspluatatsiia gazovykh skvazhin; prakticheskoe rukovodstvo. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1956. 230 p. (Gas, Natural) (MLRA 9:11)

KOLESNIK, A.P.; POLYANSKIY, A.P.; YEROSHKIN, S.G.

Use of ejectors for transporting casinghead gas. Neft.khoz. 33 no.2:79-84 F '55. (MLRA 8:4)
(Gas, Natural--Transportation)