

ZABLOVSKIY, E.Ye.; OKSMAN, Ya.A.

Apparatus for observing the effect of light and a field on
semiconductors. Prib. i tekhn. eksp. 9 no.1:180-182 Ja-F
'64. (MIRA 17:4)

1. Gosudarstvennyy opticheskiy institut.

L 9246-66 EWT(l)/EWP(e)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG/GG/WH

ACC NR: AP5022740

SOURCE CODE: UR/0181/65/007/009/2853/2856

AUTHOR: Ageyev, A. N.; Venetskaya, M. M.; Zablotskiy, G. A.; Myl'nikova, I. Ye.;
Pisarev, R. V.; Proskuryakov, O. R.

ORG: Institute of Semiconductors AN SSSR, Leningrad (Institut poluprovodnikov AN SSSR)

TITLE: Investigation of ferrite-garnet single crystals with vanadium

SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2853-2856

TOPIC TAGS: single crystal, vanadium, garnet, ferrite, absorption spectrum

ABSTRACT: Some data are given from preliminary studies on single crystals of garnets which contain vanadium ions. Specimens of $(Bi_{1-2x}Ca_{2x}) [Fe_2] (Fe_{1-x}V_x)O_{12}$ single crystals were grown, using Bi_2O_3 , Fe_2O_3 , V_2O_5 and $CaCO_3$ as initial components. The best crystals were those with $x = 1.33$ and dimensions of 5-7 mm. Measurements of magnetization from room temperature to the Curie point show that the composition of the synthesized crystals corresponds to that of the initial charge. Curves are given for $2M$ as a function of temperature along crystallographic axes $[111]$, $[110]$ and $[100]$ in plane (110) for a garnet crystal with $x = 1.33$. Spectral studies of thin plates (about 5μ) show an absorption maximum at about 0.87μ and a second weaker maximum at about 0.99μ , with transparency in the visible and infrared regions. The

Card 1/2

L 9246-66

ACC NR: AP5022740

authors are grateful to G. A. Smolenskiy and A. G. Gurevich for directing the work.

Orig. art. has: 2 figures, 1 table.

SUB CODE: 20,07/

SUBM DATE: 09Apr65/

ORIG REF: 002/

OTI REF: 007

Card 2/2 (u)

ZBLOTSKIY, I. V.

"Changes in Plasticity of the Skin Tissue of a Fur Pelt During Treatment." Thesis for degree of Cand. Technical Sci., Sub 24 Feb 49, Moscow Technological Inst. of Light Industry imeni L.M. Kaganovich.

Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering in Moscow in 1949. From Vechernyaya Moskva. Jan-Dec 1949.

ZABLITSKIY, I. V.

"Changes in Plasticity of the Skin Tissue of Fur Pelts in Processing." Thesis for degree of Cand. Technical Sci. Sub 8 Dec 50, Moscow Inst of National Economy imeni G.V. Plekhanov

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva. Jan-Dec 1950

ACCESSION NR: AT4037709

s/2865/64/003/000/0396/0400

AUTHOR: Grishayenkov, B. G.; Zablotskiy, L. L.; Ostapenko, O. F.; Semenov, Yu. M.; Fomin, A. G.

TITLE: Methods of obtaining oxygen by electrolysis of water under weightless conditions

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy* kosmicheskoy biologii, v. 3, 1964, 396-400

TOPIC TAGS: electrolysis, space flight, weightlessness, water, oxygen, air regeneration, life support, closed ecological system, manned space flight

ABSTRACT: For space flights of more than one month duration, it seems promising to develop systems of air regeneration in the space vehicle cabin based on re-utilization of human body wastes. This would minimize the amount of material to be stored aboard the ship. Electrolysis of the water formed by vital activity would be utilized as a source of oxygen for such a system. Electrolysis under weightless conditions requires the removal of the gases (oxygen and hydrogen) formed and the maintenance of continuous contact between the electrodes and the

Card 1 1/2

ACCESSION NR: AT4037709

bulk of the electrolyte. This can be accomplished with the aid of centrifugal devices, or by using electrodes, diaphragms, and electrolytes with special chemical and physical properties. The latter method requires equipment which promises to be more economical, portable, simple, and reliable. The electrolysis of water may very soon become the basic method of supplying oxygen for manned space flights.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: PH, LS

NO REF SOV: 002

OTHER: 009

Card 2/2

GRISHAYENKOV, B.G.; ZABLOTSKIY, L.I.; OSTAPENKO, O.F.; SEMENOV, Yu.M.;
FCMIN, A.G.

Methods of manufacturing oxygen by water electrolysis under the
conditions of weightlessness. Probl. kosm. biol. 3:396-400 '64.
(MIRA 17:6)

ZABLOTSKIY, M. A.

"The Bison - a Living Memorial of Nature," Nauka i Zhizn', No. 5, 1948.

ZABLOTSKIY, M. A.

"Bison--National Property of the USSR," Priroda, No. 2, 1948.

ZABILOTSKIY, M.A.

Some biological characteristics of the aurochs and their variations
in captivity. Trudy Priok.-Tern.nap. no.1:5-65 '57.
(MIRA 12:7)

(Bison, European)

ZABLOTSKIY, M.A.

Reestablishment of the wisent in the U.S.S.R. and abroad. Okhr.
prir.1 zapov.delo v SSSR no.4:52-70 '60. (MIRA 13:6)

1. Pricksko-terrasnyy gosudarstvennyy zapovednik.
(Bison, European)

FLEROV, K.K.; ZABLITSKIY, M.A.

Causes of changes in the range of bisons. *Biul. MOIP. Otd. biol.*
66 no.6:99-109 Nov '61. (MIRA 14:12)

(BISON)

STEFANYANEN, I.G.; ZABLOTSKIY, N.D.

Some possible simplifications of the Reynolds equation of gas
lubrication. Trudy IPI no.248:27-34 '65. (MIRA 18:9)

ZABLITSKIY, N.D.

Using the system of continuous pressurization in calculating
gas lubricated bearings with a discrete pressurization. Trudy
LPI no.248:35-44 '65. (MIRA 18:9)

ZABLOTSKIY, P.F.; KALANTAROV, K.D.; LYASS, F.M.; EL'KIND, E.Yu.;
FATILEYEVA, Ye.P.

Method for gamma-topography (scanning) in clinical diseases of the
thyroid gland. Med.rad. no.11:35-40 '61. (MIRA 14:11)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta meditsin-
skogo instrumentariya i oborudovaniya, Instituta neyrokhirurgii imeni
akad N.N. Burdenko AMN SSSR i Gosudarstvennogo onkologicheskogo
instituta imeni P.A. Gertsena.
(THYROID GLAND--DISEASES) (AUTORADIOGRAPHY)

RAZUMEYEV, V., inzh. po tekhnike bezopasnosti (Bryanskaya oblast');
ZABLOTSKIY, R.

Picture display on industrial safety. Okh. truda i sots. strakh.
no.6:40-41 Je '59. (MIRA 12:10)

1. Starodubskiy ovoshchesushil'nyy kombinat Bryanskogo sovnarkhosa (for
Razumeyev). 2. Glavnyy inzhener Starodubskogo ovoshchesushil'nogo
kombinata Bryanskogo sovnarkhosa (for Zablotskiy).
(Bryansk Province--Industrial safety)

ZABLOTSKIY, N.D.

Linearization of boundary conditions in the theory of air sus-
pensions. Trudy LPI no.217:127-132 '61. (MIRA 15:1)
(Fluid mechanics) (Gas lubricated bearings)

S/563/61/000/217/009/012
D234/D308

AUTHOR: Zablotskiy, N. D.

TITLE: Linearization of boundary conditions in the theory of air suspensions.

SOURCE: Leningrad. Politekhniicheskiy institut. Trudy. no. 217. 1961. Tekhnicheskaya gidromekhanika, 127-132 ✓

TEXT: The author attempts to eliminate certain difficulties by linearizing the flow rate boundary condition. To illustrate the assumption, a cylindrical suspension with one supercharging line is considered, and it is supposed that in the case of non-concentric position of the cylinders the rate of flow across every element of the supercharging line is determined only by the critical flow rate and the resistance of a corresponding elementary channel. This gives a linear boundary condition. To verify the admissibility of the assumption, the problem of flow

Card 1/2

Linearization of boundary...

S/563/61/000/217/009/012
D234/D308

of a viscous compressible liquid between a plane and curved surface is solved, using both the exact and the simplified boundary condition. The agreement of the results is found to be satisfactory. There are 5 figures. ✓

Card 2/2

ZABIOTSKIY, R.V.

Remarks on M. S. Rybin's booklet "The KVA-80 potato and vegetable
drier", Kons. i ov. prom. 12 no.1:43 Ja '57. (NIAA 10:5)

1. Sevskiy ovoshchesushil'nyy zavod.
(Drying apparatus)

ZABLITSKIY, R.V.

ZABLITSKIY, R.V.

~~_____~~
Preliminary cleaning of onions in a washing machine. Kon#. 1 ov. prom.
12 no.12:7-8 D '57. (MIRA 11:1)

1. Sevskiy ovoshchesushil'nyy zavod.
(Onions--Drying) (Washing machines)

ZABLITSKIY, R.V.

NASAKIN, T.N.; ZABLITSKIY, R.V.

Peeling potatoes before drying. Kons. 1 ov. prom. 12 no.2:19-22 F '57.
(MIRA 10:6)

1. Rosglavkonserv (for Nasakin). 2. Sevskiy ovoshchesushil'nyy zavod
(for Zablitskiy). (Potatoes)

ZABIOTSKIY, R.V.

Improving the final cleaning process for potatoes at the Sevsk
Vegetable Dehydrating Plant. Kons. i ov. prom. 13 no. 4:12-13 Ap '58.
(MIRA 11:4)

1. Starodubskiy sushil'nyy kombinat.
(Potatoes--Drying)

ZABLITSKIY, R.V.

Arrangement for processing small potatoes and potato wastes into
starch. Kons. i ov. prom. 13 no.6:25-26 Je '58. (MIRA 11:5)

1. Starodubskiy sushil'nyy kombinat.
(Potatoes) (Starch)

ZABLOTSKIY, R.V.

Useful book ("Technology of the manufacture of dehydrated vegetables
abroad" by M.L. Frumkin and L.P. Koval'skaia. Reviewed by R.V.
Zablotskii). Kons. i ov. prom. 13 no.7:43 J1 '58. (ICIRA 11:6)
(Vegetables--Drying)
(Frumkin, M.L.) . (Koval'skaia, L.P.)

ZBLOTSKIY, R.V.

Our tasks in 1963. Kons. i ov.prom. 18 no.4:5-6 Ap '63. (MIRA 16:3)

1. Dzhankoytskiy konservnyy zavod.
(Dzhankoi--Canning industry)

ZABLITSKIY, R.V.

Canning plants on collective farms. Kons. i ov. prom. 18 no. 5:
.32-34 Ky '63. (MIRA 16:4)

1. Dzhankoyskiy konservnyy zavod.
(Canning industry)

ZABLOTSKIY, R.V. [Zablots'kiy, R.V.]

Experience in the production of tomato paste on the Lang automatic
line. Khar.prom. no.2:14-16 Ap Ja '62. (MIRA 1962)

1. Dzhankoyskiy konservnyy zavod. (Assembly-line methods)
(Dzhankoi—Tomatoes, Canned)

ZBLOTSKIY, R.V.

Using a double roller press for pressing out pulp in the
Starodub Vegetable Dehydration Combine. Kons. i ov. pron. 14
no.8:16 Ag '59. (MIRA 12:9)

1. Starodubskiy ovoshchesushil'nyy kombinat.
(Starodub--Vegetables--Drying)

ZABLOTSKIY, M.A.; FLEROV, K.K., prof. (Moskva)

Past of the bisons. Priroda 52 no.7:92-95 J1 '63. (HIRA 16:8)
(Bison)

PALAGIN, A.; CHATSKIY, O.; ALEKSEYEV, A.; GLUZ, I.S.; ZABLITSKIY, R.V.;
DUBROVSKIY, M.A.

In honor of the 21st Congress of the CPSU. Kons. i'ev. prem. 14
no.1:4-7 Ja '59. (MIRA 12:1)

1. Direktor Odesskego konservnogo kombinata (for Palagin).
2. Predsedatel' Odesskogo konservnogo zavodskego komiteta (for Chatskiy).
3. Direktor Kharabalinskego konservnogo zavoda (for Alekseyev).
4. Glavnyy inzhener Tiraspol'skego pladokombinata (for Gluz).
5. Glavnyy inzhener Starodubskogo oveshchnaushil'-nogo kombinata (for Zablitskiy).
6. Nachal'nik planovogo otdela Moskovskogo ordena Lenina Pishchevogo kombinata imeni Mikoyana (for Dubrovskiy).

(Canning industry)

ZABLOTSKIY, S.M.

Preparation of rolls for taking impressions. Stomatologiya 39 no.1:
68 Ja-F '60. (MIPA 14:11)

1. Iz Kuybyshevskoy oblastnoy stomatologicheskoy polikliniki.
(DENTAL MATERIALS)

ZABLOTSKIY, T. M.

"Treatment of Strangles in Horses," Veterinariya, No. 5, 1949. Moscow

Veterinary Academy, -1949-.

ZABLOTSKIY T. M.

USSR/Diseases of Farm Animals, Diseases Caused by Bacteria and Fungi R-1

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963320007-0"

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31078

Author : Zablotskiy T.M.

Inst : -

Title : On the Etiology of Foot Rot in Sheep

Orig Pub : Karakulevodstvo i zverovodstvo, 1957, No 3, 51-52

Abstract : It was demonstrated that *Bacterium necrophorum* has no etiologic significance in the foot rot of sheep. The poor conditions of maintenance, want of exercise, and untimely trimming of the hooves, constitute the main causes of disease. When the sheep are kept together, the disease is not transmitted from the sick to the healthy animals.

Card : 1/1

L 1050-66 EWT(1)/EPF(c)/ETC/EPF(n)-2/ENG(m) W8/GS

ACCESSION NR: AT5016894

67 UR/0000/64/090/000/0350/0362

AUTHOR: Borishanskiy, V. M.; Gal'man, L. I.; Zablotskaya, T. V.; Iushchenko, N. I.; Kopp, I. Z.

TITLE: Investigation of heat transfer during the flow of mercury through horizontal and vertical tubes

SOURCE: Konvektivnaya teploperedacha v dvukhfaznom i odnofaznom potokakh (Convective heat transfer in two-phase and single-phase flows). Moscow, Izd-vo Energiya, 1984, 350-362

TOPIC TAGS: mercury, heat transfer, liquid flow, forced flow

ABSTRACT: The transfer of heat to mercury is studied during forced flow in horizontal and vertical tubes. The experimental equipment and procedure are described briefly. The following parameters are measured during the experiments: the rates of flow of the liquid, the power input for heating the working section of the equipment, the temperature of the mercury entering and leaving the working section, the temperature fields at various points through the cross section of the tube, the wall temperature at these points and along the tube, the temperatures within and on

Card 1/2

L 1050-66

ACCESSION NR: AT5016894

the surface of the insulation for the working section. The results are tabulated. Experimental and theoretical data show excellent agreement. Heat transfer beyond the section of thermal and hydrodynamic stabilization in the absence of thermal contact resistance may be calculated from the relation $h = 0.005Pe$. A relationship is found between thermal contact resistance and Reynolds numbers for a vertical tube. Original has: 9 figures, 2 formulas, 4 tables.

ASSOCIATION: none

SUBMITTED: 17Nov64

ENCL: 00

SUB CODE: TD, ME

NO REF SOV: 007

OTHER: 004

Card 2/2

DP

L 00049-66 EPT(c)/EPT(n)-2/EPT(1)/EWT(m)/ETC/ENG(m)/EHP(b)/EHP(t) EJP(c)
ACCESSION NR AT5016895 UR/0000/64/000/001/0363/0317

AUTHOR: Borishanskiy, V. M.; Zablotskaya, T. V.; Ivashchenko, N. I.

TITLE: An investigation of heat exchange and temperature fields during eddy flow of metallic sodium in tubes 21, 14, 85

SOURCE: Konvektivnaya teploperedacha v dvukhfaznom i odnofaznom potokakh (Convective heat transfer in two-phase and single-phase flows). Moscow, Izd-vo Energiya, 1964, 353-377

TOPIC TAGS: heat transfer, liquid flow, liquid metal, sodium, turbulent flow

ABSTRACT. Heat transfer to metallic sodium is experimentally studied for the case of eddy flow in circular tubes. The experimental equipment is briefly described. The working section was a copper tube 1920 mm long with an inside diameter of 40 mm and walls 4 mm thick. The following parameters were measured: the electric input, the output, and through the cross section of the working segment, temperature of the walls along the tube, and insulation temperature. The heat balance was calculated from the difference between the heat content of the sodium at the input and output of the working section, and from the electric input power in each experiment.

Card 1/3

L-00019-66

ACCESSION NR: AT5016895

The results are tabulated. Experimental and theoretical data show excellent agreement. The following empirical formula is derived for the thermal contact resistance as a function of the Reynolds number and the oxygen content in the sodium:

$$R_{cD} \frac{\lambda}{D} = F P a^{-0.7},$$

where $F = -0.5 \cdot 10^4 C_o + 16 \cdot 10^3 C_o - 30$ at $0.025 < C_o < 0.1\%$.

The experimental results are analyzed for a first approximation of the thermal contact resistance regions in which heat exchange is reduced during motion of a liquid metal near heating surfaces. These regions are divided into three categories: 1) the outer diffusion region near the wall where the laminar sublayer is filled with suspended oxides and other impurities which are in dynamic equilibrium with the main flow; 2) the internal diffusion region where contact resistance is apparently determined first of all by the physicochemical processes which take place directly at the wall (sorption, desorption, and other phenomena associated with a change in the surface energy of the system); and 3) the intermediate region where both these mechanisms affect the intensity of heat exchange to a certain degree. Orig. art. has: 12 figures, 10 formulas, 3 tables.

Card 2/3

L 00049-66

ACCESSION NR: AT5016895

ASSOCIATION: none

SUBMITTED: 17Nov64

ENCL: 00

SJ: CODE: TD, ME

NO REF SOV: 007

OTHER: 002

KC
Card 3/3

LAVROVSKIY, Aleksandr Aleksandrovich; KUROCHKIN, Ya.V., *otv. red.*; IZBEDEVA,
L.S., *kand. biolog. nauk*, *red.*; BELEVICH, Ye.F., *red.*; ZABAVTSKIY,
V.I., *red.*; KOBLITSKAYA, A.F., *red.*; LUGOVOY, A.Ye., *red.*; KLIMOVA,
Z.I., *tekh. red.*

[Wild boar in the Volga Delta.] Kaban v del'te Volgi. Astrakhan',
Izd-vo "Volga," 1962. 66 p. (Astrakhanskii zapovednik. Trudy, no.
7). (MIRA 17:2)

KUROCHKIN, Yu.V.; ZABLOTSKIY, V.I.

Helminths of gulls of the Caspian Sea. Trudy Akad. nauk, no.5:296-318 '61. (MIRA 16:3)

(Caspian Sea--Parasites--Gulls)
(Caspian Sea--Worms, Intestinal and parasitic)

KUZNETSOV, I.D. dotsent; ZABLOTSKIY, V.I.

Treatment of nongonorrheal urethritis in men. Vrach. delo
no. 7:71-75 J1163. (MIRA 16:10)

1. Khar'kovskiy meditsinskiy institut i 5 kozhno-venerologi-
cheskiy dispanser g. Khar'kova.
(URETHRA—DISEASES)

Zablotskiy, V.I

137-58-5-9351

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 79 (USSR)

AUTHOR: Zablotskiy, V.I

TITLE: Perfecting the Process of Lead and Zinc Sublimation in Tubular Furnaces (Uovershenstvovaniye protsessa vozgonki tsinka i svintsa v trubchatykh pechakh)

PERIODICAL: Tr. soveshchaniya po metallurgii tsinka, 1954. Moscow, Metallurgizdat, 1956, pp 208-217

ABSTRACT: In 1953 (as compared to 1947), the charge capacity of Waelz redox furnaces increased by 79%, while the Zn and Pb capacity increased by 52.7%. The extraction of Zn and Pb into oxides increased by 8.4% and 15.1%, respectively, which, in turn, resulted in a 69.5% increase in the output of these metals. The improvements in the process included drying of the cakes, certain design modifications in the dust-collecting units, adherence to specifications relative to the attainment of proper charge composition, grinding of charge components, and introducing them into the furnace at an even rate. Processing of slags from Pb shaft smelting is described, and recommendations for the design of certain elements of the furnace are given, together with suggestions relative to the lining of the furnace. N.P.

Card 1/1

1. Lead--Sublimation
2. Zinc--Sublimation
3. Slags--Processing
4. Furnaces--Operation

ZABLOTSKIY, V.I.; ZABLOTSKAYA, I.I.

Ecologic and faunistic review of gulls in the southwestern Caspian
Sea and their role in the fishing industry. Trudy Astr. zap. no. 8:306-
348 '63. (MIRA 18:10)

ZBLOTSKIY, V.P.; RAPOTA, Ye.P.

Experimental determination of the reduced moment of inertia of the transmission system of a tractor. Trakt. i sel'khoz mash. 32 no.1: 18-19 Ja '62. (MIRA 15:2)

1. Khar'kovskiy politekhnicheskii institut imeni V.I.Lenina.
(Tractors--Transmission devices)

GRUNAEYER, A.A.; ZABLITSKIY, V.P.; RAPOTA, Ye.P.

Experimental method for determining moments of inertia and rigidity
in tractors. Trakt. i sel'khoz mash. 31 no. 5:13-15 My '61.
(MIFA 14:5)

1. Khar'kovskiy politekhnicheskii institut im. Lenina.
(Tractors--Testing) (Moments of inertia)

APUKHTIN, V.M., kand.tekhn.nauk; ZABLITSKIY, V.P., assistant;
KHLUS, A.A., kand.tekhn.nauk

Some problems in the dynamometry of an agricultural crawler
tractor. Izv.vys.uceb.zav.; mashinostr. no.5:159-164
'60. (MIRA 13:7)

1. Khar'kovskoy politekhnicheskoy institut.
(Crawler tractors) (Dynamometer)

ZABLOTSKIY, V.T.

Structural characteristics of a motor vehicle securing easy
maintenance and repair. Avt.prom. 28 no.11:6-7 N '62.
(MIRA 16:1)

(Motor vehicles--Design and construction)

KISLENKO, Nikolay Trefimovich; ZYABKIN, Ivan Vasil'yevich;
ZABLITSKIY, Valentin Titovich; NIKITIN, A.G., red.

[Repair of the ZIL motortrucks] Remont gruzovykh avto-
mobile: ZIL. Moskva, Transport, 1964. 368 p.
(MIRA 18:1)

ZABLITSKIY, V.I.

Early developmental stages of *Gastrodiscoides hominis lewis et*
McConnell, 1876 (Trematoda, Paramphistomata). Trudy Astr. zap.
no.9:119-126 '64.

Materials on the parasites of Caspian gray mullets *Mugil auratus*
and *Mugil saliens*. Ibid.:127-134

Helminths of perch in the lower Volga Delta. Ibid.:148-152

(MIRA 18:10)

ZABLOTSKIY, V.I.; KUROCHKIN, Yu.V.; SUDARIKOV, V.Ye.

Parasites of Hyalidae of the Volga Delta and the Information on the
biology of the trematode *Orienteocreadium siluri* (Pechenkov et
Dubinin, 1954) Yamaguti, 1958. Trudy Astr. zap. no.9:135-147 '64.

(MIRA 58:10)

ZABLOTSKIY, Yu.A.; PANKRATOV, V.P.; IOKHEL'SON, M.Z.

Equipment for concreting mine shafts. Gor. zhur. no.4:46 Ap '58.
(MIRA 11:4)

(Mining machinery--Patents)

ZABLOTSKIY, Ye. I.

New type of shaft bottom. Ugol' Ukr. 5 no.2:45 F '61. (MIRA 14:3)
(Mining engineering)

ZABLOTSKIY, Ye.I.

Project of the administrative and worker's facilities building of
a mine. Ugol' Ukr. 5 no.3:46-47 Kr '61. (MIRA 14:3)
(Mine buildings)

ZABLOVSKIS, E. (Riga); GRAVITIS, E. (Riga)

Signaling circuits used in visual observations of artificial
earth satellites. Astron. tsir. no.190:11-12 Nr '58. (MIRA 11:9)
(Artificial satellites) (Electronic measurements)

ACCESSION NR: AP4041689

S/0181/64/006/007/1330/1930

AUTHORS: Oksman, Ya. A.; Zablovskiy, E. Ye.

TITLE: Electric properties of electroluminors

SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 1930-1930

TOPIC TAGS: luminor, electroluminescence, phosphorescent material, photoeffect, carrier mobility, conductivity

ABSTRACT: In order to reconcile some of the contradictions encountered in the explanation of the nature of internal electroluminescence of ZnS.Cu.Al electroluminors, the author used a double ac bridge method to study the electric properties of two series of such luminors, with the copper content varied over a wide range in each series. The series differed in the method of manufacture and in the grain size. The test procedure is described in detail. The conclusions are: 1. The conductance and susceptance of the tested luminors

Card 1/5

ACCESSION NR: AP4041689

are governed mostly by relaxation processes in the 1--20 Mc/sec band.
2. The photodielectric effect is quenched in all tested luminors, thus evidencing drift of the holes with an estimated mobility $5 \times 10^{-4} \text{ cm}^2/\text{V}\cdot\text{sec}$. 3. Application of fields that give rise to internal electroluminescence produces in polycrystalline phosphors a decrease in carrier density in the internal regions of the crystal (due to carrier capture by the crystalline surfaces), and an increase in the density with increase in field (due to the increase in the electron temperature). 4. The change in conductivity due to the exciting field offers evidence of low nonequilibrium-electron concentration in the electroluminor, compared with the case of photo-excitation, probably because of the low electron density. 5. The results of the observations, compared with the results of microscopic tests, can be reconciled with the internal-electroluminescence model proposed by A. G. Fischer (J. Electrochem. Soc. v. 109, 1043, 1962). Orig. art. has: 5 figures and 1 table.

Card 2/5

ACCESSION NR: AP4018387

S/0120/64/000/001/0180/0182

AUTHOR: Zablovskiy, E. Ye.; Oksman, Ya. A.

TITLE: Setup for studying the effect of light and (electric) field upon semiconductors

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1964, 180-182

TOPIC TAGS: semiconductor, illuminated semiconductor, semiconductor in electric field, electric field effect, polycrystalline phosphor, polycrystalline phosphor admittance

ABSTRACT: A laboratory setup is described which permits measuring variations in admittance of a semiconductor under the influence of light or electric field, or their combined effect. The setup can be used for studying characteristics of high-resistance semiconductors and blocked p-n junctions. The principal part of the outfit, a double bridge (see Enclosure 1), permits applying two voltages

Card 1/2

ACCESSION NR: AP4018387

differing in frequency and amplitude to the specimen. If the test capacitor is of a nonlinear type, the application of a high-amplitude low-frequency voltage will offset the bridge balance. If relaxation of the nonlinear capacitor is fast, the bridge-diagonal signal can be amplitude-modulated by an exciting field. The low frequency (600 cps) is generated by a ZG-10 oscillator, and the high frequency (16 mc) by a GSS-6 oscillator. The above setup permitted suppressing the undesirable admittance component by 200 times within 0.5-200 mc; time resolution was 4×10^{-5} sec. A recordable increment of admittance was 0.01% of its balance value at 0.5 mc. Orig. art. has: 4 figures.

ASSOCIATION: Gosudarstvennyy opticheskiy institut (State Optical Institute)

SUBMITTED: 30Jan63

DATE ACQ: 18Mar64

ENCL.: 01

SUB CODE: PH

NO REF SOV: 005

OTHER: 001

Card 2/72

OKSMAN, Ya.A.; ZABLOVSKIY, E.Ye.

Electric properties of electroluminophors. Fiz. tver. tela 6 no.7:1910-
1938 JI '64. (MIRA 17:10)

1. Gosudarstvennyy opticheskiy institut imeni S.I.Vavilova, Leningrad.

ZABLOUDIL, S.

Rationalizers' shifts; our application of Kovaliev's method. p. 471.
STROJIRENSKA VYROBA, Prague, Vol. 3, no. 11, Nov. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6.
June 1956, Uncl.

ZABLUDA, G. V.

Mbr., Dept. Plant Physiology & Microbiology, Chuvash Agri. Inst., -1939-40.

Mbr., Ural State Univ. im. A. M. Gorkiy, -1941-47-.

"Drought Resistance of Spring Wheats in Various Periods of Formation of Vegetative and Reproductive Organs," Dok. AN, 23, No. 4, 1939;

"On the Phases of Formation of Generative Organs in Wheat," *ibid.*;

"Formation of Vegetative and Generative Organs in Wheat and Rye under Conditions of Slow Development," *ibid.*, 26, No. 9, 1940;

"Branching of Wheat Ears in Response to Short Photo-Periods," *ibid.*, 30, No. 6, 1941.

ZABLUDA, G. V.

Zabluda, G. V. "The physiological effect of soil drought on spring wheat during the phase of sex-cell formation," Uchen. zapiski Ural'skogo gos. un-ta im. Gor'kogo, Issue 4, 1948, p. 1-21, - Bibliog: 37 items.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

CA

110

Effect of copper on formation and decomposition of chlorophyll in plants. G. V. Zakhida (Sverdlovsk State Univ.), *Trudy Inst. Fiziol. Rostovsk. K. A. Timiryazeva T. No. 1, 1955* (1954). -- Wheat plants grown in media high in Cu (0.001% N or 0.0005% $N CuSO_4$) are unusually deep green even in early growth, as well as in late stages. The actual content of chlorophyll is raised and its destruction is retarded up to wax-ripeness of the grain. Cu aids the penetration of Fe into the tissues. Injection of Cu salts into plant tissues or spraying with such salts, also improve chlorophyll stability in the plastids. Incomplete parallelism is shown between the concn. of chlorophyll and the activity of peroxidase in the plant. Increase of chlorophyll concn. by salts of Cu does not cause a corresponding increase of peroxidase activity. A close relation exists between chlorophyll concn. and longevity of the plastids. Injection of Cu salts into leaves of grape, potato, or pears gave results similar to those obtained with wheat. Cu appears to be beneficial not only to the plastids but to the entire cell structure. G. M. Kozlovskii

1. ZABLUDA, G.V., LEBEZHENKOVA, V.M.

2. USSR 600

3. Wheat

7. Effect that conditions of Ripening have upon the germination characteristics of spring wheat seeds. Dokl. AN SSSR 84, No. 2, 1952. Ural'skiy Gosudarstvennyy Universitet im. A.M. Gor'kogo Sverdlovskiy Sel'khozinstitut. Red. 6 March 1952

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UNCLASSIFIED.

YERMILOV, G.B.; ZABLUDA, G.V., professor, otvetstvennyy redaktor

[Biological principles in sowing red clover] Biologicheskie osnovy
poseva krasnogo klevera. Sverdlovsk, Akademiya nauk SSSR, Ural'skii
filial, 1956. 72 p. (MLEA 9:11)
(Clover)

ZADINA, G.V.

Experimental production and sanitation of early potato.
Nauch. dokl. vys. shkoly; biol. nauki no. 1152-161 '66.
(MIRA 19:1)

1. Rekomendovana kafedroy fiziologii rasteniy Bakhkirskogo gosudarstvennogo universiteta im. 20-letiya Otkryatiya. Submitted January 12, 1965.

ZABLUDA, G.V.; PROSTEVA, M.I.

Peculiarities of the effect of gibberelin on the growth and development of healthy and degenerated potato plants of the "Rannaya Roza" variety. Nauch. dokl. vys. shkoly; biol. nauki no.2:181-185 '61.
(MIRA 14:5)

1. Rekomendovana kafedroy fiziologii rasteniy Bashkirskogo gosudarstvennogo universiteta im. 40-letiya Oktyabrya.
(GIBBERELLINS) (POTATOES—VARIETIES)

ZABLUDA, G.V.

M

COUNTRY: USSR
CATEGORY: Cultivated Plants. Potatoes. Vegetables.
Quarantine.

ORIG. JOUR.: Sel'skoe Khoz-1959, No. 1, 1959, No. 144

AUTHOR: Zabluda, G.V.; Iokhannson, A.F.; Kuznetsova, L.M.

INST.: AS USSR

TITLE: The Effect of Drought and Irrigation, in the Early Phases of Potato Development, on Tuber Formation and Tuber Crop.

ORIG. PUB.: sb. Byul. osnovy oroskoyan. sel'sk. H., AN SSSR, 1957, 270-273

ABSTRACT: As a result of vegetation and field experiments carried out under conditions of Zaural during the years of 1949-1952, the authors came to the conclusion that drought in the early phases of potato development retards the development of plants and prevents the receipt of a high tuber crop. In this period the decisive factor for the receipt of an early high potato crop in drought districts appears to be irrigation.
-- I.A. Veselovskiy

CARD: 1/1

22(1)

SOV/3-59-5-20/34

AUTHOR: Zabluda, G.V., Doctor of Biological Sciences,
Professor

TITLE: Such Will be the Curriculum on Biology.

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 5, pp 70 - 72
(USSR)

ABSTRACT: The Glavnoye upravleniye universitetov, ekonomicheskikh i yuridicheskikh vuzov (Main Administration of Universities, Economic and Juridical Vuzes) of the USSR Ministry of Higher Education has worked out a common standard curriculum of the biological departments of universities. A conference of biologists approved the project. This plan will become effective for students admitted in 1959. The representatives of all universities having biological departments were invited to participate in the conference. As a working organ a commission was appointed consisting of the Pro-

Card 1/4

SOV/3-5)-5-20/34

Such Will be the Curriculum on Biology.

fessors G.V. Zabluda (Bashkir University), F.G. Strautman (L'vov University), B.G. Ioganzen (Tomsk University), F.G. Gavrilyuk (Rostov University), S.I. Isayev (Moscow University), G.G. Vinberg (Belorussian University), and of the Docents M. Ye. Pisareva (Dnepropetrovsk University), A.M. Alekperov (Azerbaijdzhan University), I.A. Rutskiy (Voronezh University). The commission was **instructed** to prepare a project of the new curriculum in accordance with Party and Government instructions, and taking into consideration the opinion of the conference participants. The project was discussed and approved by the entire conference. The latter also thoroughly discussed the question of correlation of study terms for students devoting their entire time to study and for those who stay on the job while studying. It is a characteristic feature of the new curriculum that it provides

Card 2/4

SOV/3-59-5-20/34

Such Will be the Curriculum on Biology.

one specialty, i.e. biology, which comprises 5 specialties: botany, zoology, physiology of plants, physiology of man and animals, and biology. Within the limits of a single specialty, the following specialization is allowed: botany, zoology, physiology of man and animals, physiology of plants, biochemistry, biophysics, microbiology, genetics and selection, hydrobiology and ichthyology, anthropology. The project of the new curriculum provides an intensified general-biological, scientific-theoretical and practical training of graduates from the biological departments of universities. To improve the training of teachers, a course in psychology has been included in the new curriculum, and the number of hours assigned to pedagogics and the methods of teaching biology and chemistry have been increased. The university department of biology and the department of biology

Card 3/4

SOV/3-59-5-20/34

Such Will be the Curriculum on Biology.

and soils have been commissioned to train biologists for research laboratories, biological stations and other scientific institutions. This makes it necessary to prolong the term of study for those students who will not be assigned to schools for 6 months. According to the project, university graduates will be able to choose - either to defend a graduation thesis or to pass state examinations in dialectical and historical materialism, biology and methods of teaching biology and chemistry. Project curriculums on biology also have been drawn up for evening schools and correspondence departments.

ASSOCIATION: Bashkirskiy gosudarstvennyy universitet (Bashkir State University)

Card 4/4

ZABLUDIN, I.I., kand. tekhn. nauk

Reversing the ventilation current in separate mine sections. Nauch.
dokl. vyz. shkoly; gor. delo no. 2:101-105 '59. (MIRA 12:7)

1. Predstavlena kafedroy rudnichnoy ventilyatsii i tekhniki bezopas-
nosti Novochoerkasskogo politekhnicheskogo instituta im. S. Ordzhoni-
kidze.

(Mine ventilation)

ZABLUDIN, I. I.

ZABLUDIN, I. I.: "Investigation of certain problems of reversing ventilating streams in mines." Min Higher Education USSR. Novocherkassk Polytechnic Inst imeni Sergo Ordzhonikidze. Novocherkassk, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhaya Latsia, No 23, 1956

ZABLUDIN, I.I., kand.tekhn.nauk

Effect of natural pressure on reverse operation of ventilators.
Bezop.truda v pron. 3 no.3:17-19 Mr '59. (MIEA 12:4)
(Mine ventilation)

ZABLUDIN, I. I.

124-58-6-6532

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 6, p 35 (USSR)

AUTHOR: Zabludin, I. I.

TITLE: To the Problem of Ventilating-flow Reversal in Mines (K voprosu reversirovaniya ventilyatsionnykh struy na shakhtakh)

PERIODICAL: Tr. Novocherkasskogo politekhn. in-ta, 1957, Vol 45/59, pp 25-52

ABSTRACT: The paper presents the results of an investigation of ventilating-flow reversal conducted in mines and on an especially prepared experimental setup. Generalizing the extensive experimental data, the author arrives at the following conclusions:

1. When the ventilating flow is reversed, the quantity of air entering the mine is smaller than that corresponding to normal ventilation.
2. The natural pressure distribution in mines, as a rule, favors the ventilating system in normal ventilating but opposes it in reversed ventilating.
3. The quantity of air entering the mine during the reversal process increases, but the natural draft decreases in proportion to the time that the ventilator is in reversed operation.
4. After the ventilator has been put into reversed operation, the air temperature in the workings

Card 1/2

124-58-6-6532

To the Problem of Ventilating-flow Reversal in Mines (cont.)

changes sharply, thus possibly causing a change in the sense of the natural pressure distribution. 5. The ventilating stream reversal occurs over a certain period of time, the value of which depends on the magnitude of the natural pressure resistance to the reversed stream.

1. Underground structures--Ventilation

Yu. A. Lashkov

Card 2/2

ZABLUDIN, I.I., kand.tekhn.nauk

Reversing air currents in mines. Bezop. truda v porn. 5 no. 2:17-
19 F '61. (MIRA 14:2)

1. Novocherkasskiy politekhnicheskii institut.
(Mine ventilation)

MIKHAYLOV, V.P., kand. tekhn. nauk, dots.; BOLKUNOV, A.A., st.
prepodavatel', otv. red.; PCHELKIN, G.I., st. prepodavatel',
red.; ZABLUDINA, A.A., assistent, red.

[Lectures on descriptive geometry] Lektsii po nachertatel'noi
geometrii. Novochoerkassk, Red.-izdatel'skii otdel NPI, 1964.
140 p. (MIRA 17:9)

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ZABLUDOVSKAYA, L.Z., student II kursa.

Sufficient conditions of a relative extremum. Stud.nauk.pratsi no.16:
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(Functions)

ZABLUDOVSKIY, P.

"Material on the development of the public health system in the Ukraine" and "Public health achievements in the Ukrainian S.S.R." Reviewed by P.Zabludovskii. Sov.zdrav. 18 no.7: 45-46 '59. (MIRA 12:9)

(UKRAINE--PUBLIC HEALTH)

ZABLUDINOVSKIY, P. Ye.

"Transactions of the Micohistorical Conference of the Ural-
Siberian Province". Reviewed by P.E. Zabludovskii. Zdrav. Ros.
Feder. 7 no.11:40 N°63. (MIRA 16:11)

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ZABLUDOVSKIY, P.Ye. (Moskva)

Review of the book by Prof. Higo Glaser "Short stories about
great physicians". Sov. zdravookhr. 22 no.3:89-90 '63
(MIRA 17:1)

MUL'TANOVSKIY, Mikhail Petrovich; ZABLUDOVSKIY, P.Ye., retsenzent | PETROV,
B.D., retsenzent; LUSENIKOV, A.G., red.; ZAKHAROVA, A.I., tekhn. red.

[History of medicine] Istorija meditsiny. Moskva, Gos. ind-vo med.
lit-ry, 1961. 345 p. (MIRA 14:7)

(MEDICINE—HISTORY)

ZABLUDOVSKAYA, YE. D.

PA 16/49T85

USSR/Medicine - Ultraviolet Rays, Therapy Jul 48
Medicine - Heliotherapy and Phototherapy

"Solar Therapy for Infants and Children of Pre-School Age," Ye. D. Zabludovskaya, Cand Med Sci, 5 pp

"Med Sestra" No 7

Explains beneficial effects of sunlight and ultraviolet rays. Gives figures for time of exposure for children of various ages. Lays down routine for sun bathing. Lists diseases for which heliotherapy is recommended.

~~SECRET~~ 16/49T85

ZABLUDOVSKAYA, Ye. D.

ZABLUDOVSKAYA, E. D.

H. L. Lunin (70 years since his outstanding discovery on the significance of non-organic salts in nutrition of animals. *Pediatrics*, Moskva No. 4, July-Aug. 50. p. 60-2

1. Of the Therapeutic Department of the Institute of Pediatrics of the Academy of Medical Sciences USSR (Director of Institute—G. N. Sporansky, Active Member of the Academy of Medical Sciences).

GLL 19, 5, Nov., 1950

ZABLUDOVSKAYA, Ye.D.

S.P.Botkin and some problems of child health. *Pediatrics*, no.5:
66-71 8-0 '53. (MLRA 6:12)

(Pediatrics) (Botkin, Sergei Petrovich,
1832-1889)

ZABLUDOVSKAYA, Ye.D.

Semen Gerasimovich Zybeline. Med.aestra no.7:23-26 JI '53. (MLA 6:7)
(Zybeline, Semen Gerasimovich, 1735-1802)

ZABLUDOVSKAYA, Ye. D. (Moscow).

First women doctors in Russia. Med.vestn no.10:25-30 0 '53.

(Women as physicians) (MIRA 6:11)

ZABIUDOVSKAYA, Ye.D. (Moscow).

Pressing tasks in controlling rickets. Vel'd.i akush. no.2:17-23
P '54. (MLRA 7:2)
(Rickets)

ZABLUDOVSKAYA, Ye.D. (Moscow)

Prevention of rickets. Med.sestra no.4:12-17 Ap '54. (MIRA 7:5)
(Rickets)

ZABLUDOVSKAYA, Ye. D.

~~ZABLUDOVSKAYA, Ye. D.~~

History of the "Botkin committee." *Pediatria* no.6:79-83 K-D '54,
(PEDIATRICS, history, (MIRA 8:4)
in Russia, Botkin's committee)
(BOTKIN, SERGEI PETROVICH, 1832-1889)

ZABLUDOVSKAYA, Ye.D. (Moskva)

Method of use of vitamin D in prevention and therapy of rickets.

Fel'd. i akush. no.8:35-40 Ag '54. (MIRA 7:8)

(RICKETS, prevention and control
vitamin D, indic.)

(VITAMIN D, therapeutic use
rickets, indic.)

ZABLUDOVSKAYA, Ye.D. (Moskva)

Pediatrist A.N.Shabanova. Med. sestra no.11:19-23 H '54.

(ПРА 7:12)

(SHABANOVA, ANNA NIKOLAEVNA, 1848-1932)

ZABLUDOVSKAYA, Ye.D. (Moskva)

Physioprohylaxis and physiotherapy of rickets. *Scv. med.* 16 no.8:
13-16 Ag '54. (MIRA 7:8)

(RICKETS, prevention and control
physioprohylaxis)

(RICKETS, therapy
physiother.)

(PHYSICAL THERAPY, in various diseases
rickets)

ZABLUDOVSKAYA, Ye.D.(Moskva)

Balneology for young children. Med.vestn no.7:9-13 J1 '55.
(BALNEOLOGY, (MLRA 8:9)
in Russia, bathing small children)

ZABLUDOVSKAYA, Ye.D.(Moskva)

Massage for infants. B.D. Zabludovskaya. Fel'd. i akush. no.11:
22-28 N '55.

(MIRA 9:2)

(MASSAGE) (INFANTS-CARE AND HYGIENE)

ZABLUDOVSKAYA, Ye.D. (Moskva)

I.V. Rusakov as a prominent worker in Soviet public health.

Med. sestra no.11:24-27 N '55

(MIRA 9:3)

(RUSAKOV, IVAN VASILEVICH, 1877-1921)

ZABLUDOVSKAYA, Ye.D. (Moskva)

Physical therapy for poliomyelitis in children without using
apparatus. Fel'd. i akush. 21 no.3:17-25 Mr '56. (MLRA 9:7)
(POLIOMYELITIS) (PHYSICAL THERAPY)