ZHDANOV, Ye.A., inzh. (Lugansk); SKLYAROV, V.M., inzh. (Lugansk); BROVTSEV, V.A., inzh. (Lugansk); DEM'YANENKO, I.D., inzh. (Lugansk).

Locomotive cab made from glass plastics. Zhel. dor. transp. 47 no. 11:83-84 N '65 (MIRA 19.1)

FEDOROVA, N.Ye., dotsent; MORYGANOV, P.V., doktor tekhn.nauk, prof.; Prinimali uchastiye: BROVTSEV, V.V.; BOLOTOVA, A.A.; KISELEVA, L.M., inzh.; VINOGRADOVA, V.A., inzh.; LOBANOVA, S.K., studentka

Continuous method of bleaching cotton fabrics. Tekst.prom. 21 no.6:50-54 Je '61. (MIRA 15:2)

1. Ivanovskiy khimiko-tekhnologicheskiy institut (for Fedorova, Lobanova). 2. Glavnyy inzh. fabriki "Krasnaya Talka" (for Brovtsev).

(Bleaching)

BROVTSEV, V. V.

7676. BROVTSEV, V. V. -- Khudozhestvennoye oformleniye tkaney. Iz opyta Sosnevskoy otdelochnoy fabriki. Ivanovo, Kn. izd., 1954. 68 S. S. ill. 20 sm. 5.000 eks. 1R. 20K. --(55-3418)p

677.027

SO: Knizhnaya Letopsis', Vol. 7, 1955

P'YACHEV, V.A., kand.tekhn.nauk; BROVTSYN, A.Ye., inzh.

Characteristics of the operation of kilns with slurry concentrators. TSement 31 no.5:11-12 S-O '65. (MIRA 18:10)

1. Ural'skiy politekhnicheskiy institut i Sukholozhskiy tsementno-shifernyy zavod.

USSR/Medicine - Plants
Medicine - Water, Supply

Jun 48

"Effect of Growth Substance on the Absorption and Expiration of Water by the Plant Fibers," S. V. Tageyeva, V. L. Brovtsyna, Inst Plant Physiol imeni K. A. Timiryazev, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LX, No 9

Experiments were carried out on beans (Vicia faba) growing in earthenware pots. Soil was 70% saturated Growth substances used were beta-indolylacetic acid (heteroauxin) and 2,4-dichlorphenoxyacetic acid. Most important results are tabulated and discussed.

6/49T49

USSR/Medicine - Plants (Contd)

Jun 48

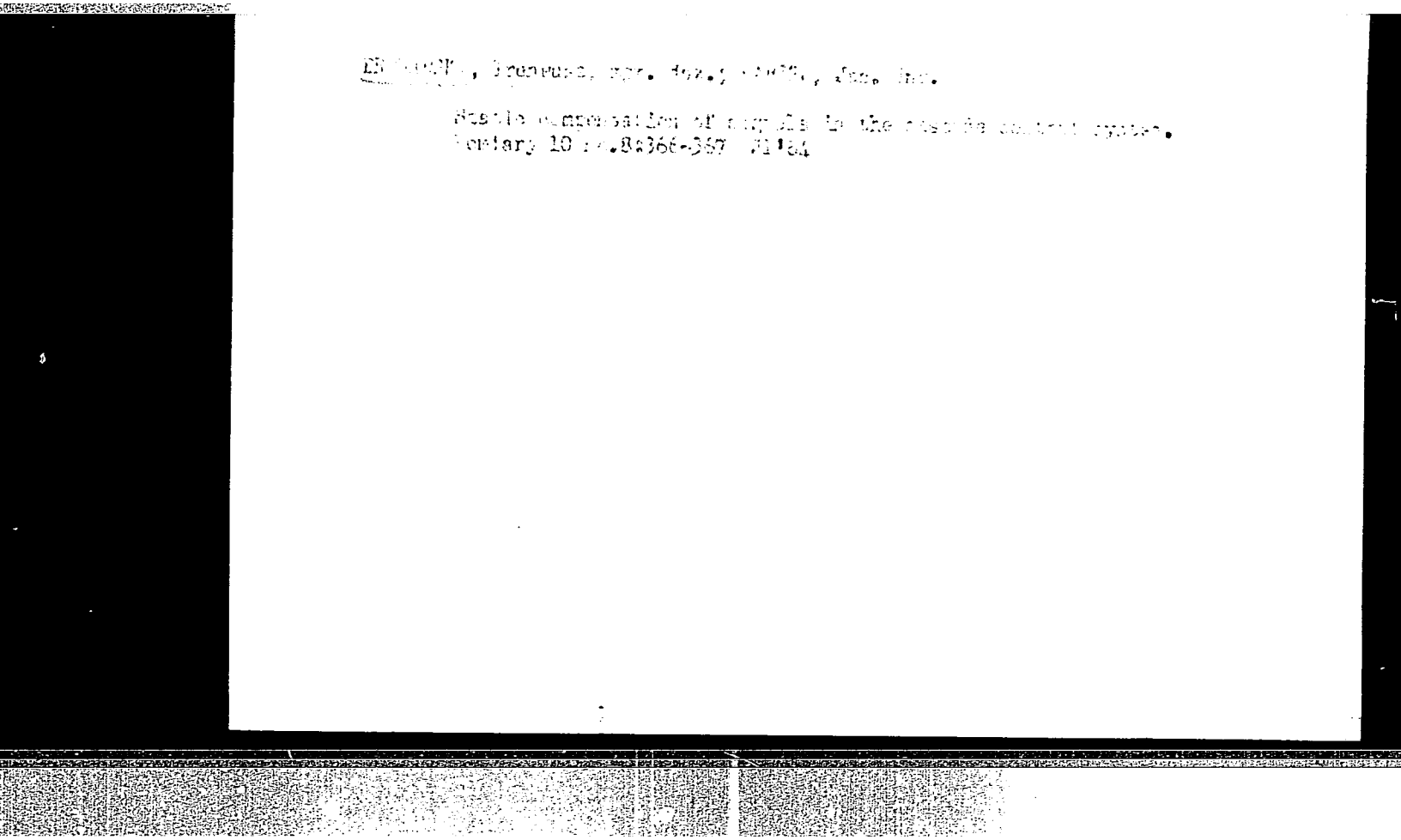
Data shows that growth substances increase water content of leaves. Submitted 28 Apr 48.

6/49T49

LIZANDR, A.A.; BROVTSY'IA, V.L.

Physiological role of the cauline leaves of rice during the formation and maturing of caryopses. Fiziol. rast. 11 no. 3: 391-397 '64. (MIRA 17:7)

1. Timiryazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.



BROWARSKI, Wladyslaw, inz.

The Cinematographic Technical Works in Lodz, the Polish producer of cineprojectors. Przegl mech 22 no.7/8:236-238 10-25 Ap '63.

1. Cinematographic Technical Works, Lodz.

POLAND / Forestry. Dendrology. K-2

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24863.

Author : Browicz, Kazimierz.
Inst : Not given.
Title : Korean Arboreal-Shrubbery Endemics in Kornik (Poland).

Orig Pub: Arboretum korn., 1956 (1957), 2, 5-14.

Abstract: Abies koreana Wils. and Thuja koraiensis Nakai are described. The first has been raised from seeds obtained from Orleans and Japan. It bears fruit successfully and withstands frosts up to 30°; the tallest specimens attain the height of 3.5 m. In connection with the differences in the coloring

Card 1/2

POLAND / Forestry. Dendrology. K-2

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24863.

Abstract: of cones and winged seeds of A. koreana the variety A. koreana var. flava. is singled out. T. karaiensis is distinguished by good growth and fruitification, as well as by frost resistance.

Card 2/2

POLAND/Cultivated Plants - Decorative. M-9

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30124

Author : Browicz, K., Bugaia, W.
Inst :
Title : Rare Trees and Shrubs in the Kornicki Arboretum.

Orig Pub : Arboretum korn., 1956, (1957), 2, 127-144 (Polish; res. Eng. Russ.)

Abstract : The article is a continuation of the list of rare trees and shrubs which are growing in the Kornicki Arboretum, published in the first vol. of the same publication. Brief characterizations are given of seven species with an indication of their origin, cold hardiness, drought resistance, flowering times and fruit-bearing periods, and their decorative features.

Card 1/1

BRONOWICZ, Roman

A method of determining the optimum size of the area of an elementary mine. Zesz probl gorn 1 no. 2: 127-159 '64.

1. Department of Mining Economics and Organization, School of Mining and Metallurgy, Krakow.

BROWIŃSKA

The alkaloids in decaying plants. Zofia Browińska-Szmalowa (Acad. Med., Poznań, Poland). *Acta Polon. Pharm.* 10, 113-30(1953)(English summary).—The expts. with *Atropa belladona*, *Datura stramonium*, *Datura stramonium* var. *inermis*, *Aconitum napellus*, and *Aconitum ferox* showed that the content of alkaloids decreases in decaying plants. The remnants of alkaloid plants in composts and soil are entirely deprived of alkaloids. The presence of alkaloids was observed only in remnants of leaves of *Taxus baccata*. The expts. of sprouting seeds of different plants in decoct and tincture of *Datura* and in dil. ale. probably showed some neg. influence of alkaloid on sprouting. In expts. with fresh plants the characteristic crystals of hyoscyamine with I in KI were obtained in tissue.

A. Sementsov

BROWINSKA-SZMALOWA , Zofia

Macroscopic differentiation of Tussilago farfara L. from Arctium lappa L. and Petasites officinalis Moench. Farm. polska 11 no.1:12 Jan '55.

1. Panstwowy Instytut Naukowy Leczniczych Surowcow Roslinnych w Poznaniu. Dyrektor: doc.dr B. Borkowski.

(PLANTS,
Tussilago farfara, differentiation of leaves from Arctium lappa & Petasites officinalis)
(PLANTS,
Arctium lappa, differentiation of levaes from Tussilago farfara & Petasites officinalis)
(PLANTS,
Petasites officinalis, differentiation of levaes from Arcium lappa & Tissilago farfara)

M-8

POLAND/Cultivated Plants - Medicinal. Essential Oils. Toxins.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30113

Author : Browinska-Szmalowa, Zofia

Inst : The Agricultural Institute.

Title : Alkaloid Formation in Germinating Seeds of Several Solanaceae.

Orig Pub : Biul. inst. fosl. leczn., 1957, 3, No 1, 52-59 (Polish; res. Russ., Ger.)

Abstract : Anatomical preparations of the seeds of Atropa belladonna L., Hyoscyamus niger var. annus L., Datura stramonium L., D. innoxia Mill. were investigated. Lugol's reagent was used to precipitate the alkaloids in the tissue cells in the form of brown cystals. In quiescent seeds the alkaloids were located only in the hulls.

Card 1/2

POLAND/Cultivated Plants - Medicinal. Essential Oils. Toxins. M-8

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30113

After soaking, the alkaloids appear at first in the endosperms, later in the embryos. They appear in place of intensive cell division and disappear after this has terminated. The author expresses the supposition that they play some role in plant development stimulation. It was established that the presence of alkaloids in the embryos of the soaked seeds indicates their ability to germinate.

Card 2/2

POLAND / Cultivated Plants. Medicinal. Essential Oils. Toxins. M-7

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25224

Author : Browińska-Szmalowa, Zoffa
Inst : Institute of Plant Cultivation
Title : The Distribution of Alkaloids in Germinating Seeds of Chelidonium maius L.

Orig Pub: Biul. Inst. rosl. leczn., 1957, 3, No 2, 132-138 (Polish; res. Russ., Ger.)

Abstract: Germinating seeds of Ch. maius were treated with a 1% solution of ammonia in water after anatomical preparations had been made from them. When they were radiated with a quartz lamp, chelerythrine luminescence of a deep blue color and berberine of a yellow hue were observed. It was determined that in quiescent seeds there are alkaloids in the

Card 1/2

POLAND / Cultivated Plants. Medicinal. Essential Oils. Toxins. M-7

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25224

Abstract: husk and endosperm, although they are absent in the embryo. At the beginning of germination there appears in the rootlet and stem of the embryo first chelerythrine and afterwards berberine. Chelerythrine is found in large quantity in the cambium cells. As the tissues develop the chelerythrine disappears, and berberine accumulates in its place. Ch. maius has alkaloids in both its milk vessels and in other tissues. -- L. I. Lipayeva

Card 2/2

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; VORONOV A.A., prof., red.; AGEYKIN, D.I., doktor tekhn.nauk red.;GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PROKOF'YEV, V.N., doktor tekhn. nauk, prof., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV, A.I., doktor tekhn. nauk, red.; KRINITSKIY, N.A., kand. fiz.-mat. nauk, red.; KOGAN, B.Ya., doktor tekhn. nauk, red.; USHAKOV, V.B., doktor tekhn. nauk, red.; LERNER, A.Ya., doktor tekhn. nauk, prof., red.; FEL'DBAUM, A.A., doktor tekhn. nauk, prof., red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, red.; KHARKEVICH, A.A., akademik, red. [deceased]; TIMOFEYEV, P.V., red.; MASLOV, A.A., dots., red.; TRUTKO, A.F., inzh., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; NETUSHIL, A.V., doktor tekhn. nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; LIFSHITS, A.L., kand. tekhn. nauk, red.; AVEN, O.I., kand. tekhn. nauk, red.; BLANN, O.M.[Blunn, O.M.], red.; BROYDA, V., inzh.,prof.,red.; BREKKL', L [Brockl,L.] inzh., knad. nauk, red.; VAYKHARDT, Kh. [Weichardt, H.], inzh., red.; BOCHAROVA,M.D., kand. tekhn. nauk, st. nauchn. red.

[Automation of production processes and industrial electronics] Avtomatizatsiia proizvodstva i promyshlennaia elektronika; entsiklopediia sovremennoi tekhniki. Moskva, Sovetskaia entsiklopediia. Vol.4. 1965. 543 p. (MIRA 18:6)

BROWKIN, J.

Polish Technical Abst.
No. 1 1954
Mechanics, Electrotechnics, Power

2624

664 : 621.398.1

Browkin J.: **Signalizing Control Equipment in the Food Industry.**

„Urządzenia kontrolno-sygnalizacyjne w przemyśle spożywczym" Przemysł Rolny i Spożywczy. No. 1, 1953, pp. 6—14, 17 figs.

Automatic control of technological processes is widely used in the Polish sugar industry. A central control signalizing panel is here described, including the control of production continuity, the control of temperature and technological processes. The appropriate schemes of control connections are given together with the optical arrangement for distant transmission of results of analyses. A review is given of the light alkalinity index and Brixometer measurement system. The Śliwiński tempograph is used to register the rate of charging the raw material to be processed in a given period of time, for controlling the achievement of standard and for registering any interruption and the durability of such. The possibility is underlined of applying this equipment in other branches of the food industry with a continuous production cycle.

2038

664.1.002.54 : 621.398.1(438)

Browkin J. Improvements to the Śliwiński Signalling Control Panel. "Ulepszenia w tablicy kontrolno-sygnalizacyjnej systemu inż. S. Śliwińskiego". Gazeta Cukrownicza. No. 4—5—6, 1953, pp. 94—95, 2 figs.

The improvement consists in constructing an instrument for summing up electrical impulses from contacts on the beet weighing scales during each of their inclinations, and further transmission of these impulses properly reduced to the processing cabinet and to the tempograph. The apparatus services simultaneously two scales of different loads, and, without reducing the number of impulses, is notably simpler and surer in action than the old type of apparatus recording such impulses.

8/10/55 JP

2587

Browkin, J. Calculation of the Processing Scale and the Paper Tape of Tempegraphix

„Obliczanie skali przerobowej i taśmy papierowej tempegrafu". Gazeta Cukrownicza No 10 11 12, 1953, pp 168-169, 8 figs

Discussion of the operating fundamentals of the tempograph and analysis of formulae calculating the principal elements of the unit constituting a part of the tempograph. Formulae are given for calculating the number of electrical impulses received at the contact installed on the sugar beet scale, also the pitch of the blade, the number of rotations of the ratchet wheel, the diameter of the groove wheel. Examples are included for calculating the processing scale for the tempograph paper tape, the diameter of the groove wheel and the number of teeth of the lift ratchet wheel.

AL

BROWKIN, J.

BROWKIN, J.; BRODZIAK, J.

"Electric machines and drives used in the sugar industry." p. 88. (Przeglad Elektrotechniczny, Vol. 30, no. 2, Feb 54, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

BROWKIN, J.

Fluid level control in open containers. p. 173

GAZETA CUKROWNICZA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Techników Przemyslu Rolnego i Spozywczego i Centralny Zarzad Przemyslu Cukrowniczego) Warszawa, Poland. Vol. 61, no. 6, June 1959

Monthly List of EastEuropean Accessions (EEAI) LC, Vol. 8, no. 9, September 1959 Uncl.

BROWKIN, J.; SCHINZEL, A.

On the equation $2^n - D = y^2$. Bul Ac Pol mat 8 no.5:311-318 '60.

1. Institute of Mathematics, Polish Academy of Sciences and Institute of Mathematics, University, Warsaw. Presented by W. Sierpinski.

(Equations)

BROWKIN, J.

On the generalized class field tower. Bul Ac Pol mat 11 no.4: 143-145 '63.

1. Department of Mathematics, University, Warsaw. Presented by A. Mostowski.

VAVRECKA, M.;VOKAC, V.;PETRASEK, R.;VACRINKOVA, H.;BROWN, T.

Effect of chlortetracycline on fat metabolism. Cesk. fysiol. 9 no.1:95 Ja 60.

1. Ustav pro vyzkum vyzivy lidu, Praha.
(CHLORTETRACYCLINE pharmacol.)
(FATS metab.)

BROY, Adolf; FRANIK, Antoni

Primary cyst of the omentum. Polski przegl. chir. 32 no.12:1217-1221 '60.

1. Z II Oddzialu Chirurgicznego Szpitala Miejskiego Nr 4 w Katowicach Ordynator: dr A. Broy.

(OMENTUM dis) (CYSTS surg)

BORODINA, O.O.; PEREPELKIN, K.Ye.; BROY-KARRE, M.V.

Determination of sodium acetate and other alkaline impurities in polyvinyl alcohol. Khim.volok. no.6:59-60 '61. (MIRA 14:12)

1. Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennogo volokna.
(Vinyl alcohol polymers)

BROYAKOVSKIY, N. V.

Stem Smut of Rye and Control Measures, Biulleten' VII Vsesoiuznogo S'ezda po Zashchite Rastenii v Leningrade 15-23 Noiabria 1932 Goda, no. 7, 1932, pp.25-30
423.92 V96

SO - SIRA SI 90-53, 15 December 1953

BROYAKOVSKY (N. V.). Поражаемость сортов озимой Пшеницы бурой листовой ржавчиной и сортов Овса корончатой ржавчиной. [The susceptibility of Winter Wheat varieties to brown leaf rust and of Oat varieties to crown rust.]—Научн. Зап. по Сахарн. Пром. [*Sci. Notes Sug. Ind.*], Kieff, [Grey Ser.], xvii, 1–2, pp. 87–99, 1940.

The results are computed of trials of wheat (160 varieties) and oats (69) tested in a number of experimental stations in the Ukraine for resistance to *Puccinia triticina* and *P. coronifera* [*P. coronata*], respectively. None of the varieties tested was absolutely resistant to rust, but the most promising wheats were 074 Lessostepka, 055, and 037 from the Belaya Tzerkov Station; 6–66, 6–86, and 6–176 from Vessely Podol; 0, 9, 010, and 013 from Verkhnyatchka; 054, 080, and 0153 from Nemertchanskaya; and 27/24 F 8L/3, and 27/24 F 84/3 from Mironovo; the best oats were 682–23 from Vessely Podol; 26–2015, 26–1655, and 26–1363 from the Mironovo Station; and 339 2/24 and 528 2/24 from the Verkhnyatchka Station. The author stresses the progress made in the production of disease-resistant wheats and to a lesser extent of oats during the period of the observations (1929 to 1937).

BROYAKOVSKII, N. V.

Observations on A New Diseaseof Winter Wheat Mosaic, in Virus Diseases of Plants AND Measures for Their Control, Works of the Conference on Virus Diseases of Plants 1940, Publishing House of the Academy of Science USSR, Moscow, 1941 pp. 170-172. 464.32 So8

SO - SIRA SI 90-53, 15 December 1953

BROYDA, T.

Analysing the production costs of meat. Mias.ind.S.S.S.R. 33 no.6:39-41 '62. (MIRA 16:1)

1. Brestskiy myasokombinat.
(Meat industry--Costs)

Radio mechanics; a general course
Moskva, Gos. energ. izd-vo, 1949. 232 p. (49-5124?)

TK6550.B64

BROIDE, A.M.

Elementy radiotekhniki. [The elements of radio engineering]. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1950. 416 p.

Radiotekhnicheskie ustroistva; obshchii kurs. [Radio technical installations, a general course]. Dopushcheno v kachestve uchebnika dlia tekhnikumov. Moskva, Gos.energ. izd-vo, 1949. 232p. diagrs. DLC: TK6550.B64

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference department, Washington,1951, Unclassified.

BROIDE, A. M.

Broide, A. M. Elemnty radiotechniki. [Tlum. J. T. W. Rutkowski] Warszawa, Panstwowe Wydawn. Szkolnictwa Zawodowego, 1952. [Elements of radiotechnology. Vol. 1. Tr. from the Russian. illus]

SO: Monthly List of East European Accesions, L. C., Vol. 3, No. 5, May 1954, Uncl.

PHASE I BOOK EXPLOITATION 924

Elektrovakuumnyye pribory; spravochnik (Electric Vacuum Devices; a Handbook) Moscow, Gosenergoizdat, 1956. 422 p. 50,000 copies printed.

Ed.: Broyde, A. M.; Tech. Ed.: Fridkin, A. M.

PURPOSE: This monograph is addressed to radio technicians and to users of electric vacuum devices and related equipment.

COVERAGE: The monograph is a handbook on electric vacuum devices. It gives design parameters, basic characteristics, recommendations as to use, tube-base data, and overall dimensions of the principal types of electric vacuum devices, such as receiver amplifier and oscillator tubes, transmitter and receiver television tubes, gas discharge devices, semiconductor diodes and triodes, etc. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Card 1/20

BROYDE, A.M.; TARASOV, F.I., red.; FRIDKIN, A.M., tekhn.red.

[Handbook on vacuum tubes and transistor devices. Abridged edition without characteristics and drawings] Spravochnik po elektrovakuumnym i poluprovodnikovym priboram. Izd. sokrashchennoe, bez kharakteristik i gabaritnykh chertezhei. Moskva, Gos. energ.izd-vo, 1957. 96 p. (Massovaia radiobiblioteka, no.276)

(Electron tubes) (Transistors) (MIRA 13:2)

Broyde, Abram Markovich

PHASE I BOOK EXPLOITATION 294

Broyde, Abram Markovich

Spravochnik po elektrovakuumnym i poluprovodnikovym priboram (Handbook for Electric Vacuum and Semiconductor Devices) Moscow, Gosenergoizdat, 1957. 176 p. (Massovaya radiobiblioteka, Nr. 269) 50,000 copies printed.

Ed.: Tarasov, F. I.; Tech. Ed.: Fridkin, A. M.

Editorial board of series: Berg, A. I., Dzhigit, I. S., Kulikovskiy, A. A., Smirnov, A. D., Trasov, F. I., Tramm, B. F., Chechik, P. O., Shamshur, V. I.

PURPOSE: The book is intended for persons dealing with electric vacuum and semiconductor devices.

COVERAGAE: The book contains brief reference data on Soviet receiving tubes including low-power amplifiers, Kenotrons, low and medium capacity oscillators, picture tubes, oscillotrons, voltage and current stabilizers, point-contact and junction germanium diodes and triodes.Some recent non-Soviet types are included.

Card 1/5

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Handbook for electric Vacuum (Cont.)

Card 3/5

AVAILABLE: Library of Congress

Card 5/5

JJP/gmp
June 4, 1958

SOV/112-59-17-37068

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 17, p 185 (USSR)

AUTHOR: Broyde, A.M.

TITLE: New Types of Vacuum Devices

PERIODICAL: Nauchno-tekhn. sb. Gos. soyuzn. n.-i. in-t radioveshchat. priyema i akustiki, 1957, Nr 9, pp 39-44

ABSTRACT: A review of modern types of receiving tubes manufactured or prepared for manufacture by the domestic industry. In the field of battery tubes a production of a tube with an economical filament of 30 ma is realized and work is going on to design a converter tube for work in the 11th band. Heater tubes for work with a lowered anode voltage are being developed by the industry. Application of such tubes will make the rectifier unit of receivers cheaper. A tube, similar to EL-86, for LF final stages with a transformerless connection of dynamic speakers is being prepared for production. A tube similar to EL-34 is being designed; a pair of such tubes in a LF push-pull circuit can secure an output power of 100 watts. Work is going on to design a tube with a high band-width ratio for radio-relay lines. Such a 6S3P triode is developed with S = 19 ma/volt with a trans-

Card 1/2

conductance to capacitance sum ratio S/C = 2.4 and with a noise resistance of 125 - 150 ohm. A HF-pentode 6Zh11P with S = 28 ma/volt and the ratio S/C = 1.5 is developed and also an output tetrode 6E5P with S = 26 ma/volt and a power of 8 watt. A triode with a record value of S = 45 ma/volt and S/C = 2.7 is also developed. Work is going on to design a tube with a cathode grid. A pentode of this type, 6Zh20P, has S = 17.5 ma/volt. Superminiature tubes of metallo-ceramic series, tubes with a secondary emission and tubes suitable for work in a range of thousands of megacycles are being developed.

A.M.P.

PHASE I BOOK EXPLOITATION 1009

Broyde, Abram Markovich

Elektronnyye lampy i poluprovodnikovyye pribory (Electron Tubes and Semiconductor Devices) Moscow, Gosenergoizdat, 1958. 77 p. (Series: Massovaya radiobiblioteka, vyp. 301) 75,000 copies printed.

Ed.: Levitin, Ye.A.; Tech. Ed.: Bornov, N.I.; Editorial Board of Series: Berg, A.I., Burdeynyy, F.I., Burlyand, V.A., Vaneyev, V.I., Genishta, Ye.N., Dzhigit, I.S., Kanayeva, A.M., Krenkel', E.T., Kulikovskiy, A.A., Smirnov, A.D., Tarasov, F.I., Chechik, P.O., Shamshur, V.I.

PURPOSE: This book is intended for radio engineers, technicians and qualified radioamateurs.

COVERAGE: The author surveys briefly the main stages of development of electron tubes and semiconductors. The modern technical level of electronics is discussed, the immediate prospects for its development are reviewed and modern types of vacuum-tube and semiconductor devices are described. The author draws attention to the rapid development of electronics and notes that its two main directions, electron tubes and semiconductors, coincide in many instances to solve common problems. No personalities are mentioned. There are 13 Soviet references.

Card 1/3

TABLE OF CONTENTS:

AVAILABLE: The Library of Congress

JP/fal
1-7-59

Card 3/3

MASLOV, Aleksey Andreyevich; BROYDE, A.M., red.; LARIONOV, G.Ye., tekhn.red.

[Electronic semiconductor devices] Elektronnye poluprovodnikovye pribory. Moskva, Gos.energ.izd-vo, 1960. 183 p. (MIRA 13:12)

(Transistors)

FEDOTOV, Ya.A., otv.red.; BARKANOV, N.A., red.; BERGEL'SON, I.G., red.; BROYDE, A.M., red.; GAL'PERIN, Ye.I., zam.otv.red.; KAMENETSKIY, Yu.A., red.; KONEV, Yu.I., red.; KRASILOV, A.V., red.; KULIKOVSKIY, A.A., red.; NIKOLAYEVSKIY, I.F., red.; STEPANENKO, I.P., red.; VOLKOVA, I.M., red.; SVESHNIKOV, A.A., tekhn.red.

[Semiconductor devices and their applications] Poluprovodnikovye pribory i ikh primenenie; sbornik statei. Moskva, Izd-vo "Sovetskoe radio." No.5. 1960. 270 p. (MIRA 13:10)
(Transistors)

FEDOTOV, Ya.A., otv.red.; BARKANOV, N.A., red.; BERGEL'SON, I.G., red.; BROYDE, A.M., red.; GAL'PERIN, Ye.I., red.; KAMENETSKIY, Yu.A., red.; KAUSOV, S.F., red.; KONEV, Yu.I., red.; KRASILOV, A.V., red.; KULIKOVSKIY, A.A., red.; NIKOLAYEVSKIY, I.F., red.; STEPANENKO, I.P., red.; VOLKOVA, I.M., red.; SMUROV, B.V., tekhn.red.

[Semiconductor devices and their applications] Poluprovodnikovye pribory i ikh primenenie; sbornik statei. Moskva, Izd-vo "Sovetskoe radio". No.6. 1960. 333 p. (MIRA 13:12)
(Semiconductors) (Transistors)

FEDOTOV, Ya.A., otv.red.; GAL'PERIN, Ye.I., zamestitel' otv.red.; BARKANOV, N.A., red.; BERGEL'SON, I.G., red.; BROYDE, A.M., red.; KAMENETSKIY, Yu.A., red.; KAUSOV, S.F., red.; KRASILOV, A.V., red.; KULIKOVSKIY, A.A., red.; NIKOLAYEVSKIY, I.F., red.; PENIN, N.A., red.; STEPANENKO, I.P., red.; VOLKOVA, I.M., red.; SVESHNIKOV, A.A., tekhn.red.

[Transistor devices and their applications; collection of articles] Poluprovodnikovye pribory i ikh primenenie; sbornik statei. Moskva, Izd-vo "Sovetskoe radio." No.4. 1960. 423 p. (MIRA 13:5)
(Transistors) (Electronic circuits)

BROYDE, Abram Markovich; TARASOV, Fedor Ivanovich; RASNITSYN, P.A., red.; BORUNOV, N.I., tekhn. red.

[Manual on electron tubes and transistor devices] Spravochnik po elektrovakuumnym i poluprovodnikovym priboram. Moskva, Gos. energ. izd-vo, 1961. 255 p. (Massovaia radiobiblioteka, no.383)
(MIRA 14:11)

(Electron tubes) (Transistors)

BRIDE, I.M.

BROYDE, I.M.

Organization of Computation in Oil Trades. Second edition, corrected and supplemented. NTO NP Gostoptekhizdat, 1935, 136 p, prece: rubles 5.60. In book, devoted to questions of organization of computation in petroleum trade enterprises of USSR, are presented conditions of computations for oil and oil products, arrangement of payments for products and services of petroleum enterpris rendered to each other mutually. Book is intended for wide circle of readers; managers, engineers, economists, accountants, suppliers and distributors.

So: A- 3080689

BROYDE, ISAAK MARKOVICH

Organizatsiya raschetov v neftyanoy promyshlennosti ("anagement of accounts in the petroleum industry) Izd. 2, Ispr. I dop. Moskva, Gostoptekhizdat, 1955.

133 p. tables.

At head of title: Nauchno-teknicheskoye obshchestvo neftyanoy promyshlennosti.

BROYDE, I.

Letter to the editor. Fin. SSSR 17 no.9:91-93 S '56.
(MLRA 9:10)

1. Nachal'nik finansovogo otdela Ministerstva neftyanoy promyshlennosti SSSR.
(Russia--Industries)

BROYDE, Isaak Markovich; GAL'PERSON,Ye.B., redaktor; POLOSINA,A.S., tekhnicheskiy redaktor

[Organization of financial transactions in the petroleum industry] Organizatsiia raschetov v neftianoi promyshlennosti. Izd. 2-oe, ispr. i dop. Moskva, Gos.nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955. 133 p. (MLRA 9:3)
(Petroleum industry--Finance)

BROYDE, I.M

UMANSKIY, Moisey Mikhaylovich; BROYDE, I.M., redaktor; PETROVA, Ye.A., vedushchiy redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor

[Ways of reducing the cost of petroleum production] Puti snizheniia sebestoimosti dobychi nefti. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 101 p. (MLRA 10:5)
(Petroleum industry--Costs)

FOMICHEV, Petr Markovich; BROYDE, Isaak Markovich, red.; DUBROVINA, N.D., ved.red.; MUKHINA, E.A., tekhn.red.

[Financing the drilling of oil and gas wells] Finansirovanie bureniia neftianykh i gazovykh skvazhin. Izd.2., ispr. i dop. Moskva, Gos.nauchno-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry, 1958. 182 p. (MIRA 11:12)
(Oil well drilling--Finance)

BROYDE, Isaak Markovich; BIRMAN, A.M., red.; SAVINA, Z.A., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Financing and crediting of enterprises of the petroleum and gas industry] Finansirovanie i kreditovanie predpriiatii neftianoi i gazovoi promyshlennosti. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 202 p. (MIRA 12:4)
(Petroleum industry--Finance) (Gas industry--Finance)

BUNICH, P.G., kand.ekon.nauk, starshiy nauchnyy sotrudnik; PAKHOMOV, A.M., kand.ekon.nauk, starshiy nauchnyy sotrudnik; BUDAVEY, V.Yu., nauchnyy sotrudnik; IVANOV, Ye.A., nauchnyy sotrudnik; KIRILLOV, I.A., prof., doktor ekon.nauk; KOVALEVA, A.M., kand.ekon.nauk; SAFRAY, G.Ye., kand.ekon.nauk; YAKOBSON, M.O., prof., doktor tekhn.nauk; GOGITISHVILI, R.N., insh.; KHABUR, B.P.; BROYDE, I.M.; FILATOV, N.L.; BLAZHEY, Zdenko, doktor, ekonomist (Chekhoslovatskaya Respublika); NESHVER, Vatslav, inzh., ekonomist (Chekhoslovatskaya Respublika); RYUMIN, S.M., red.; ZAVERNYAYEVA, L., red.izd-va; LEBEDEV, A., tekhn.red.

[Planning and financing of major repairs on fixed assets] Planirovanie i finansirovanie kapital'nogo remonta osnovnykh fondov. Moskva, Gosfinizdat, 1958. 223 p. (MIRA 12:2)

(Continued on next card)

BUNICH, P.G.---(Continued) Card 2.
1. Moscow. Nauchno-issledovatel'skiy finansovyy institut. 2. Nauchno-issledovatel'skiy finansovyy institut (for Bunich, Pakhomov). 3. Nauchno-issledovatel'skiy ekonomicheskiy institut Gosplana SSSR (for Ivanov). 4. Moskovskiy inzhenerno-ekonomicheskiy institut im. S. Ordzhonikidze (for Safray). 5. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov (for Gogitishvili). 6. Zamestitel' direktora TSentral'nogo nauchno-issledovatel'skogo instituta morskogo flota (for Khabur). 7. Nachal'nik finansovogo otdela sovnarkhoza Tatarskoy ASSR (for Broyde). 8. Ekspert Ministerstva finansov SSSR (for Filatov). 9. Investitsionnyy bank (for Blazhey). 10. Tekhniko-organizatsionnyy nauchno-issledovatel'nyy institut mashinostroyeniya (for Neshver).

(Industry--Finance)

FOMICHEV, Petr Markovich. Prinimal uchastiye: SHAPOVALOV, Aleksandr Grigor'yevich; BROYDE, I.M., red.; LATUKHINA, Ye.I., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Business accounting within drilling organizations] Vnutrikhoziaistvennyi raschet v burovykh organizatsiiakh. Moskva, Gos.nauchno-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1959. 109 p. (MIRA 12:9)
(Oil well drilling--Accounting)

PROK, Iosif Yudimovich; BROYDE, I.M., red.; LATUKHINA, Ye.I., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Lowering the cost and increasing labor productivity in petroleum production; practice of Azerbaijan petroleum workers] Snizhenie sebestoimosti i povyshenie proizvoditel'nosti truda v dobyche nefti; opyt neftianikov Azerbaidzhana. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 82 p. (MIRA 13:9)
(Azerbaijan--Petroleum industry--Costs)

BROYDE, Isaak Markovich; BIRMAN, A.M., red.; LATUKHINA, Ye.I., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Financing the petroleum and gas industries] Finansirovanie neftianoi i gazovoi promyshlennosti. Moskva, Gos.nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 378 p.
(MIRA 14:3)
(Petroleum industry--Finance) (Gas industry--Finance)

UMANSKIY, Lev Mikhaylovich; UMANSKIY, Moisey Mikhaylovich; BROYDE, I.M., red.; SAVINA, Z.A., red.; POLOSINA, A.S., tekhn. red.

[Economic reserves of petroleum production administrations] Rezervy ekonomii neftepromyslovykh upravlenii. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 166 p. (MIRA 14:5)

(Petroleum industry)

UMANSKIY, Lev Mikhaylovich; BROYDE, I.M., red.; LATUKHINA, Ye.I., ved. red.; YAKOVLEVA, Z.I., tekhn. red.

[Ways to reduce costs in the petroleum-producing industry] Puti snizheniia sebestoimosti v neftedobyvaiushchei promyshlennosti. Moskva, Gostoptekhizdat, 1962. 157 p. (MIRA 16:1)
(Petroleum industry--Costs)

UMANSKIY, Moisey Mikhaylovich; BROYDE, I.M., red.; TITSKAYA, B.F., red.; VORONOVA, V.V., tekhn. red.

[Cost of petroleum refining products and posibility of lowering it] Sebestoimost' produktov neftepererabotki i puti ee snizheniia. Moskva, Gostoptekhizdat, 1963. 122 p. (MIRA 16:7)

(Petroleum products--Costs)

ZHELIKHOVSKAYA, Anastasiya Nikolayevna. Prinimali uchastiye: GUTSAYT, Z.I.; NOVITSKAYA, O.V.; BROYDE, I.M., red.; TITSKAYA, B.F., ved. red.; VORONOVA, V.V., tekhn. red.

[Planning petroleum refining production; technical, industrial, and financial planning] Planirovanie neftepererabatyvaiushchego proizvodstva; sostavlenie tekhprom-finplana. Moskva, Gostoptekhizdat, 1963. 255 p. (MIRA 16:7)

(Petroleum--Refining)

ANDRIANOV, D.P.; TILLES, S.A., kand. tekhn. nauk, retsenzent [deceased]; BROYDE, I.M., kand. ekon. nauk, red.; SALYANSKIY, A.A., red.izd-va; SMIRNOVA, G.V., tekhn. red.

[Economic efficiency of capital investments in machinery manufacturing] Ekonomicheskaia effektivnost' kapital'nykh vlozhenii v mashinostroenii. Moskva, Mashgiz, 1963. 190 p. (MIRA 17:3)

BROYDE, I.M.

Certain problems of the cost of oil and gas production; a topic for discussion. Neft. khoz. 43 no.5:6-10 My '65.
(MIRA 18:6)

SHAPOVALOV, Aleksandr Grigor'yevich; POMICHEV, Petr Markovich; BROYDE, I.M., red.

[Calculation and the analysis of the cost of drilling gas and oil wells] Kal'kulirovanie i analiz sebestoimosti bureniia neftianykh i gazovykh skvazhin. Moskva, Nedra, 1965. 119 p. (MIRA 18:10)

KASHNITSKIY, Leonid Abramovich; BROYDE, I.M., red.

[Costs and price determination in the petroleum producing industry of the U.S.S.R.] Sebestoimost' i tsenoobrazovanie v neftedobyvaiushchei promyshlennosti SSSR. Moskva, Nedra, 1966. 157 p. (MIRA 19:1)

UMANSKIY, Lev Mikhaylovich; UMANSKIY, Moisey Mikhaylovich; BROYDE, I.M., kand.ekon.nauk, retsenzent

[Economics of the petroleum and gas industries] Ekonomika neftianoi i gazovoi promyshlennosti. Moskva, Nedra, 1965. 378 p. (MIRA 18:10)

BUTAKOV, D. K., MELNIKOV, L. M. and HROYDO, M. YA.

"Investigation of the Vacuum Treatment of Cast Steel for the Cast-Shapes."

paper tmx presented at Second Symposium on the Aoplication of Vacuum Metallurgy.
1-6 July 1958, Moscow

25(5) SOV/117-59-8-12/44

AUTHORS: Broyde, M.Ya., Deputy Shop Superintendent; Rabinovich, V.A., Head of TV Laboratory

TITLE: The Television Control of the Vacuum Teeming of Steel

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

ABSTRACT: The Uralmashzavod was first in the USSR to introduce television observation of the vacuum teeming of steel. The television laboratory of the Sverdlovskiy radiotekhnicheskiy tekhnikum (Sverdlovsk Radiotechnical Technicum) developed and made for this purpose two commercial television sets with cameras having "vidikon" and "superortikon" types of tubes. In 1958, a new type of camera was developed. Its units are set in a vertical, "bookstand" order in a watertight cylindrical casing with forced air cooling. The cylindrical camera is 500 mm in length, 150 mm in diameter, and weighs 12 kilograms. The "Molot 2" type of "vidicon" has proved most

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Television Control of the Vacuum Teeming of Steel

suitable at present. During the current seven years, the number of vacuum chambers for teeming at the plant will increase to five, and it is envisaged to mechanize the vacuum teeming of steel. For this purpose, a remote control system has been developed at the plant for controlling the ladle stoppers and for the television control of vacuum steel teeming. There is 1 diagram.

ASSOCIATIONS: Martenovskiy tsekh Uralmashzavoda (Open-Hearth shop of the Uralmashzavod) (Broyde). Laboratoriya televideniya Sverdlovskogo radiotekhnicheskogo tehnikuma imeni A. S. Popova (Television Laboratory of the Sverdlovsk Radiotechnical Technicum imeni A.S. Popov) (Rabinovich).

BROYDE, M.Ya.

New technological processes for manufacturing fettlings for a tilting open-hearth furnace. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekh.inform. 17 no.1:16-18 '64. (MIRA 17:2)

TOMILOVSKIY, Yuriy Yakovlevich; [illegible], A.F., red.

[Thickness measuring device using radioactive isotopes for controlling the thickness of films and sheet materials in their manufacture] Radioaktivnyi tolshchinomer dlia avtomaticheskogo kontrolia tolshchiny plenochnykh i listovykh materialov v protsesse ikh izgotovleniia. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no.1) (MIRA 17:7)

BROYDE, P.R., inzh.

Additional detachable mandrels for lathes. Mashinostroitel' no.9: 27-28 S '57. (MLRA 10:9)

1. Leningradskiy Ordena Lenina metallicheskiy zavod.
(Lathes--Attachments)

FEYGIN, G.A., assistent; BROYDE, V.B., klinicheskiy ordinator

"Neurotic symptoms" of the upper respiratory tract. Med. zhur. Uzb. no.12:69-72 D '61. (MIRA 15:2)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof. I.Yu.Laskov) Tashkentskogo gosudarstvennogo meditsinskogo instituta i Begovatskoy gorodskoy bol'nitsy (glavnyy vrach - B.K.Kabirov).
(NEUROSES) (RESPIRATORY ORGANS)

BROYDE, V.B.

Modified method for staining electrophoregrams with bromophenol blue. Lab.delo 8 no.5:36-37 My '62. (MIRA 15:12)

1. Kafedra bolezney ukha, gorla i nosa (zav. - prof. I.Yu. Laskov) Tashkentskogo meditsinskogo instituta.
(BROMOPHENOL BLUE) (PAPER ELECTROPHORESIS) (BLOOD--PROTEINS)

BROYDE, V.B.

Use of hydrocortisone ointment in some dermatoses of the external ear. Vest. otorin. no.1:40-42 '63. (MIRA 16:9)

1. Iz poliklinik Tashkentskogo oblastnogo otdela zdravookhraneniya.

(EAR--DISEASES) (SKIN--DISEASES)
(CORTISOL)

ALAKBAROV, A.A.; [illegible]; [illegible]; [illegible]; [illegible]; BROVKO, V.B.

Comparative study of the protein and amino acid composition of pathological exudative fluids. Vop.med.khim. 10 no.2:134-140 Mr-Ap '64. (MIRA 18:1)

1. Kafedra propedevtiki vnutrennikh bolezney sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov Tashkentskogo gosudarstvennogo meditsinskogo instituta; Uzbekskiy nauchno-issledovatel'skiy institut gematologii i perelivaniya krovi i Tashkentskaya oblastnaya ob"yedinennaya bol'nitsa.,

L 02228-67 EWT(l)/EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) JD/JG/AT

ACC NR: AR6013673 SOURCE CODE: UR/0058/65/000/010/E072/E072

AUTHOR: Radovskiy, I. Z.; Broyde, Ye. L.

TITLE: Electric and thermoelectric properties of lower silicides of chromium

SOURCE: Ref. zh. Fizika, Abs. 10E584

REF SOURCE: Tr. Ural'skogo politekhn. in-ta, sb. 144, 1965, 51-54

TOPIC TAGS: chromium compound, silicide, resistivity, thermal emf, temperature dependence, bonding property, electric property, thermoelectric property

ABSTRACT: A study was made of the temperature dependence of the electric resistivity (ρ) and the thermal emf (α) of Cr_3Si, Cr_5Si_3, and CrSi. Results of the measurements of α ($\mu v/deg$) and $\rho \times 10^4$ (ohm-cm) at room temperature are as follows: 6.3 and 0.26 for Cr_3Si, 3.8 and 1.23 for Cr_5Si_3, and 16.4 and 0.87 for CrSi. ρ was measured in the interval 20-700C, and α in the interval 20-350C. The linear dependence of $\rho(t)$ and $\alpha(t)$, which is characteristic of metallic compounds, was observed for Cr_3Si. Cr_5Si_3 and CrSi exhibit an increase of ρ with temperature, but the temperature coefficient of resistivity decreases with increasing temperature, thus evidencing an increasing role of localized bonds. V. Olenicheva. [Translation of abstract]

SUB CODE: 20

Card 1/1 UC

SOV/124-57-8-9180

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 87 (USSR)

AUTHORS: Broydo, A.G., Gorobey, V.N., Dyuzheva, O.G., Kalugina, M.A., Pazgalova, E.A.

TITLE: Some Peculiarities of the Vertical Temperature Distribution in the Lowest Portion of the Atmospheric Surface Layer (Nekotoryye osobennosti vertikal'nogo raspredeleniya temperatury v nizhney chasti prizemnogo sloya atmosfery)

PERIODICAL: Tr. Leningr. gidrometeorol. in-ta, 1956, Nr 5-6, pp 268-284

ABSTRACT: An examination of the laws governing the temperature distribution in the lowest layer of the atmosphere (0-200 cm). The temperature profile is characterized by the "curvature parameter"

$$b = \frac{t_0 - t_{50}}{t_0 - t_{200}}$$

Card 1/2 introduced by the authors. This parameter indicates just what part

Some Peculiarities of the Vertical Temperature Distribution (cont.)

of the temperature variation in the 0-200 cm layer is attributable to its lowest 0-50 cm portion. The authors attempt to employ the parameter b to characterize the temperature profile of the surface layer in terms of the data from network observations (t_{200} data) alone. During the summer season the parameter b is significant during the day and is noticeably smaller in the late-evening and the early-morning hours, and increases somewhat at night as compared with evening. A distinct relationship of the quantity b/u_1 (u_1 is the wind velocity at the 1 m level) and the stability parameter $y=(t_0-t_{200})/u_1^2$ is found

A. Kh. Khrgian

Card 2/2

BROYDO, A.G.

Some results of the study of integral coefficients in turbulent intermixings. Meteor. i gidrol. no.9:27-30 S '57. (MLRA 10:9)
(Atmosphere)

36-57-69-14/16

AUTHOR: Broydo, A. G. and Suboch', N. A.

TITLE: Error Evaluation in an Elementary Method of Calculating the Heat Balance of Soil (Otsenka pogreshnosti elementarnogo sposoba rascheta teplovogo balansa v grunte)

PERIODICAL: Trudy Glavnoy geofizicheskoy observatorii, 1957, Nr 69, pp 94-99 (USSR)

ABSTRACT: The author refers to K. A. Sychev and G. Kh. Tseytin, each of whom suggested a method for calculating thermal balances in soil. Sychev's method is based on V. B. Shtokman's method of determining the sea thermal balance. The author discusses this method pointing out the extent of error incurred when it is transferred to solid ground conditions. However, the method is not clearly defined and readers are referred to issue No. 6 of Meteorologiya i gidrologiya for 1954. The article is a critical analysis of results obtained by Sychev's and Tseytin's method. The relevant data were collected at the following three observatories: Pakhta-Aral (South Kazakhstan), Koltushi (near Leningrad), and a station in the Stony Steppe (Kamennaya step') in Voronezhskaya oblast'. In comparing the results the author draws attention to the fact that Sychev's formula helps to evaluate the dynamics of changes in the thermal conductivity coefficient and to

Card 1/2

Error Evaluation in an Elementary Method (Cont.)

determine the values of the coefficient (expressed in square centimeters per hour), but these values are generally smaller than those obtained by Tseytin's method. On the average, the difference amounts to 1.62 square centimeters per hour. Sychev's method proved to be correct in 74 percent of the cases. These results are given in Table 1. In Table 2 the author compares the results in determining the thermal flow in soil (for July), expressed in calories per square centimeter per minute. In this case data obtained by Sychev's method are generally higher than those obtained by Tseytin's method. The difference amounts to 0.043 calories per square centimeters per minute. Table 3 reflects the results obtained from the determination of the total heat balance (i.e., absorption and release of heat) per 24 hours expressed in calories per square centimeter. Generally Sychev's formula yielded larger figures, with an average difference of 13.2 calories per square centimeter. The article does not define the two methods, but only gives the results. The reader is referred to the bibliography at the end of the article. There are 10 Soviet references. No conclusion is drawn from the comparison of these results.

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Card 2/2

BROYDO, A.G.; KOZHAR, S.L.

Evaluating the accuracy of a station method for calculating thermal diffusivity coefficients of soils. Trudy GGO no.77:95-98 '58.
(MIRA 12:4)

(Soil temperature)

BROYDO, A.G.; SUBOCH', N.A.

Accuracy of a method for approximate calculation of heat flows in the soil. Trudy GGO no.77:99-103 '58. (MIRA 12:4)
(Soil temperature)

BROYDO, A. G., Cand Phys-Math Sci -- (diss) "Research into the integral coefficient of turbulence and its utilization in some heat balance calculations." Leningrad, 1960. 10 pp; (Main Administration of Hydrometeorological Services under the Council of Ministers USSR, Main Geophysical Observatory im A. I. Voyeykov); 170 copies; price not given; (KL, 27-60, 147)

35140

S/169/62/000/008/042/090
E202/E192

AUTHORS: Broydo, A.G., and Mostakhov, S.Ye.

TITLE: Nomogram for the determination of the turbulence coefficient based on the method of heat balance

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 40, abstract 8 B 283. (Tr. Leningr. gidrometeorol. in-ta, no.12, 1961, 137-139).

TEXT: In order to reduce the cumbersome heat balance calculations, the authors compiled a manual of nomograms for the determination of turbulence coefficient of the thermal streams in the ground and in the vertical thermal and water vapour streams. A brief note is included which explains the use of the nomogram in the calculation of turbulence coefficient at a height of one m.

[Abstractor's note: Complete translation.]

Card 1/1

BROYDO, A S.

C. Abs., 1957, 51, 2605).—[In Russian]. The addn. of up to 0·1-0·2% Ti or V to Alumin (trade mark AL11) contg. Zn 12·9, Si 7·7, Cu 0·30, Mg [illegible] 0·21, and FeO 0·20% increased the U.T.S. after ageing at room to 5° for 30 days, by 8-10% and at 150°-250° C. by 15-18%; the resistance to corrosion (30 days in 3% NaCl + 0·1% HCl) was increased. This was attributed to the retarding effect of Ti and V on the decomposition of the α-phase, thus decreasing the development of [illegible]

Broydo A.S

136-12-14/18

AUTHORS: Solov'yev, N.A., Broydo, A.S., and Pogodin-Alekseyev, G.I.

TITLE: Effect of Mould Form on the Crystallization of Chromium Bronze Ingots (Vliyaniye formy izlozhnitsy na kristallizatsiyu slitkov khromistoy bronzy)

PERIODICAL: Tsvetnyye Metally, 1957, No.12, pp. 71-74 (USSR)

ABSTRACT: The authors outline effects (ingot porosity and chromium segregation) which led to difficulties at the "Krasnyy Vyborzhets" Works when making sheets of type Бр Х0,8 chromium bronze (0.5 - 0.9% Cr). They describe their laboratory experiments with 100-kg ingots cast in models of the works ingot moulds. The alloy was deoxidised with lithium and poured at about 1 200 °C. Three types of ingot mould, each type being cooled in several ways were used. The macro-structures of the ingots and chromium distribution were determined, the best results being obtained with a flat, horizontal mould with insulated walls and a heated top. This was confirmed by I.Ye. Sharov, Ya.F. Shabashov and N.N. Postnikov on 1 750-kg ingots at the "Krasnyy Vyborzhets" Works. Works data showed that with this type of mould, the yield in ingots was 80 and in sheet 50% of the charge weight, the corresponding figures for cylindrical moulds being 62-64 and 20-25%. The other ingot moulds used in the laboratory work were vertical cylindrical.

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136-12-14/18

Effect of Mould Form on the Crystallization of Chromium Bronze Ingots

There are 4 figures.

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Card 2/2

S/136/60/000/012/008/010
E193/E183

AUTHORS: Boguslavskiy, I.M., Broydo, B.S., Krucher, G.N., and Tarshinov, V.I.

TITLE: Complex Investigation of a 3-Stand Tandem Mill for Continuous Cold Rolling of Copper Alloy Strip

PERIODICAL: Tsvetnyye metally, 1960, No. 12, pp. 66-74

TEXT: In contrast to rolling of steel, continuous rolling of copper-base alloys in a tandem mill is a comparatively recent innovation. Difficulties are still encountered in running this process because of a large number of interdependent factors which have to be controlled if satisfactory results are to be obtained. The object of the investigation described in the present paper was to establish the optimum operating conditions for continuous rolling of brass Л62 (L62) and Л 90 (L90) strip, and to obtain data required for complete automation of the process. The experimental work was carried out on a 3-stand tandem mill, manufactured at the Novo-Kramatorskiy mashinostroitel'nyy zavod (Novo-Kramatorsk Machine-Building Plant). Each stand consisted of a 4-high mill with the following characteristics:

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E193/E183

Complex Investigation of a 3-Stand Tandem Mill for Continuous Cold Rolling of Copper Alloy Strip

diameter of the working and backing rolls - 375 and 1000 mm respectively; length of the rolls - 1000 mm; diameter of the power-driven reeler - 500 mm. Each stand was driven by a motor ПВК90/40 (PVK90/40), 450 kW, 300-600 r.p.m.; an МП14-14/3 (MP14-14/3), 150 kW, 400-1300 r.p.m. motor being used to drive the reeler. Rolling speeds of up to 150 m/sec were employed, the initial and the final thickness of the strip (400-800 mm wide) was 6 and 1 mm respectively. The following parameters of the process were studied: thickness of the strip leaving the 3-rd stand; pressure exerted by the mill on the rolls of each stand; tension in the strip between the stands and between the reeler and the 3-rd stand; speed of the rolls and speed of the inter-stand tensioning rollers; current in the circuit of the motors driving the rolls; voltage in the generator.
A quantitative relationship between the tension in the strip and its thickness was established. It was found that the increase in thickness of the leading and tail ends of the strip

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