NIKITINA, Ye.V.; POPOVA, L.I.; AYDAROVA, R.A.; KASHCHENKO, L.I.; PROTOPOPOV, G.F.; UBUKEYEVA, A.U.; TKACHENKO, V.I.; KORNEVA, I.G.; OBOZOV, A.O.; GOLOVKOVA, A.G.; VVEDENSKIY, A.I., nauchnyy redaktor; TSYBINA, Ye.V., tekhnicheskiy redaktor

[Flora of the Kirghiz S.S.R.; guide to plants of the Kirghiz S.S.R.] Flora Kirgizskoi SSR; opredelitel' rastenii Kirgizskoi SSR. Frunze, Izd-vo AN Kirgizskoi SSR. Vol.7. 1957. 642 p. (MLRA 10:9)
(Kirghizistan--Botany)

NIKITINA, Ye.V.; AYDAROVA, R.A.; UBUKEYEVA, A.U.; VYKHODTSEV, I.V., otv.red.; SOROKBAYEVA, N.V., red.izd-va; ANOKHINA, M.G., tekhn.red.

[Early spring plants of Kirghizistan; key for the identification of plants of the agricultural zone] Rannevesennie rasteniia Kirgizii; opredelitel' rastenii zemledel'cheskoi zony. Sost. E.V.Nikitina, R.A.Aidarova i A.U.Ubekseva. Frunze, 1960. 111 p. (MIRA 13:7)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut botaniki.
(Kirghizistan--Botany)

NIKITINA, Ye.V.; AYDAROVA, R.A.; KASHCHENKO, L.I.; UBUKEYEVA, A.U.; POPOVA, L.I.; TKACHENKO, V.I.; GOLOVKOVA, A.G., SHPOTA, Ye.I.; FILATOVA, N.S.; SHARASHOVA, V.S.; VVEDENSKIY, A.I., nauchnyy red.; VYKHODTSEV, I.V., red.; AHOKHINA, M.G., tekhn.red.

[Flora of the Kirghiz S.S.R.; key to the plants of the Kirghiz S.S.R.] Flora Kirgizskoi SSR; opredelitel' rastenii Kirgizskoi SSR. Sost. E.V.Nikitina i dr. Nauchn.red. A.I.Vvedenskii. Frunze, Izd-vo Akad.nauk Kirgizskoi SSR. Vol.8. [The carrot, dogwood, wintergreen, heath, primrose, leadwort, olive, gentian, dogbone, milkweed, and morning-glory families] Semeistva: zontichnye, kizilovye, grushankovye, vereskovye, pervotsvetnye, svinchatkovye, maslinovye, gorechavkovye, kutrovye, lastovnevye, v'iunkovye. 1959. 222 p. Vol.9. [The mint and nightshade families] Semeistva: gubotsvetnye i pasленovye. 1960. 213 p. (MIRA 13:7)
(Kirghizistan--Dicotyledons)

NIKITINA, Ye.V.; AYDAROVA, R.A.; FILATOVA, N.S.; UBUKEYEVA, A.U.; SUDNITSINA, I.G.; LYSOVA, N.V., otv. red.; BUTENKO, N.P., red. izd-va; ANOKHINA, M.G., tekhn. red.

[Trees and shrubs of the populated areas of Kirghizistan; a popular guide] Derev'ia i kustarniki naselennykh punktov Kirgizii; populiarnyi opredelitel'. Sost. E.V.Nikitina i dr. Frunze, 1960. 249 p. (MIRA 14:5)

1. Akademiya nauk Kirgizskoy SSR. Institut botaniki.
(Kirghizistan--Trees) (Kirghizistan--Shrubs)

NIKITINA, Ye.V.; AYDAROVA, R.A.; UBUKEYEVA, A.U.; FILATOVA, N.S.; SUDNITSYNA, I.G.; TKACHENKO, V.I.; SHARASHOVA, V.S.; KASHCHENKO, L.I.; SHPOTA, Ye.I.; VVEDENSKIY, A.I., nauchnyy red.; VYKHODTSEV, I.V., otv. red.; SORONBAYEVA, N.V., red. izd-va; ANOKHINA, M.G., tekhn. red.

[Flora of the Kirghiz S.S.R.; classification key of the plants of the Kirghiz S.S.R.]Flora Kirgizskoi SSSR; opredelitel' rastenii Kirgizskoi SSSR. Sost. E.V.Nikitina i dr. Nauchn. red. A.I.Vvedenskii. Frunze, Izd-vo Akad.nauk Kirgizskoi SSR. Vol.10. [Families: Cuscutaceae, Polemoniaceae, Boraginaceae, Verbenaceae, Scrophulariaceae, Bignoniaceae, Orobanchaceae, Lentibulariaceae, Plantaginaceae, Rubiaceae, Caprifoliaceae, Adoxaceae, Valerianaceae, Morinaceae, Dipsacaceae, Cucurbitaceae, Campanulaceae, Lobeliaceae] Semeistva: Povilikovye, Siniukhovye, Burachnikovye, Verbenovye, Norichnikovye, Bignonievye, Zarazikhovye, Puzyrchatkovye, Podorozhnikovye, Marenovye, Zhimolostnye, Adoksovye, Valerianovye, Morinovye, Vorsiankovye, Tykvennye, Kolokol'chikovye, Lobelievye. 1962. 387 p. (MIRA 15:9)
(Kirghizistan--Dicotyledons)

NIKITINA, Yenafa Vasil'yevna; UBUKEYEVA, Abida U.; KORNEVA, I.G., otv. red.

[Wormwood of Kirghizia and its economic significance] Polyni Kirgizii i ikh khoziaistvennoe znachenie. Frunze, Izd-vo AN Kirg.SSR, 1964. 53 p. (MIRA 17:8)

CHOMICZEWSKI, Jan; UBYSZ-JERZMANOWSKA, Krystyna

Induced variability of Aerobacter aerogenes and escherichia coli.
Med. dosw. mikrob. 8 no.1:11-15 1956.

1. Z Zakladu Bakteriologii A. M. w Lodzi. Kierownik: prof. dr.
Z. Szymanowski.
(AEROBACTER AEROGENES,
variability, induced. (Pol))
(ESCHERICHIA COLI,
same. (Pol))

UBYSZ-JERZMANOWSKA, K.

Poland/Microbiology. General Microbiology F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57453

Author : Jan Chomiczewski, Krystina Ubysz-Jerzmanowska
Inst : Not given
Title : Further Investigation of Induced Variability of Proteus Hauseri (Filtrating Forms, L Forms, and Attempts of their Transformation)

Orig Pub : Med. doswiad. i mikrobiol., 1957, 9, No 1, 101-106

Abstract : The results of experiments which were carried out to determine the effect of penicillin on the variability of Proteus hauseri are described. Strains which differed from the original and possessing a sharply marked polymorphism were obtained. In prolonged passages in a medium without penicillin no reversion to the initial form was noted. Streptomycin was not active in this respect. Five illustrations.

Card 1/1

JERZMANOWSKI, Antoni; UBYSZ-JERZMANOWSKA, Krystyna

Variability of Corynebacterium diphtheriae following exposure to antibiotics. I. Changes following exposure to penicillin and aureomycin. Med. dosw. mikrob. 10 no.2:193-204 1958.

1. Z Zakladu Bakteriologii A. M. w Lidzi Kierownik: z-ca prof. dr med. A. Ganczarski.

(CORYNEBACTERIUM DIPHTHERIAE, effect of drugs on, chlortetracycline & penicillin, variability (Pol))
(CHLORTETRACYCLINE, effects, Corynebacterium diphtheriae variability (Pol))
(PENICILLIN, effects, same)

JERZMANOWSKI, Antoni; UBYSZ-JERZMANOWSKA, Krystyna

Variability of Corynebacterium diphtheriae under the influence of antibiotics. II. Effect of Streptomycin, chloramphenicol and teramycin. Med. dosw. mikrob. 11 no.3:197-202 1959.

1. Z Zakladu Bakteriologii A. M. w Lodzi Kierownik: z-ca prof. dr med. A. Ganczarski.
(CORYNEBACTERIUM DIPHTHERIAE, pharmacol.)
(STREPTOMYCIN, pharmacol.)
(CHLORAMPHENICOL, pharmacol.)
(OXYTETRACYCLINE, pharmacol.)

UCHACZ, Jan, mgr.

Education of technicians for the nonferrous metal industry. Rudy i metale 9 no.7:381-385 Jl '64.

1. Head of Professional School Division, Association of Nonferrous Mining and Metallurgy, Katowice.

UCHAKIN, Yu.M.; SHIMANSKIY, A.A.; PAULLER, T.I.

Rare alkalies containing feldspars from the pegmatites of the Sayan Mountains. Geokhimiia no.8:673-680 '62. (MIRA 15:9)

1. East-Siberian Institute of Geology, Siberian Branch of the Academy of Sciences, U.S.S.R. Polytechnic Institute, Irkutsk.
(Sayan Mountains—Alkalies) (Sayan Mountains--Feldspar)

SHIMANSKIY, A.A.; UCHAKIN, Yu.M.

Distribution of alkalies in microclines from pegmatites of the Eastern Sayan Mountains. Geokhimiia no.9:833-836 '62. (MIRA 15:11)

1. Polytechnical Institute of East-Siberial Institute of Geology, Siberian Branch of the Academy of Sciences, U.S.S.R., Irkutsk.
(Sayan Mountains--Alkalies) (Sayan Mountains--Microcline)

USSR/General and Specialized Zoology - Insects. Harmful Insects and Aqarids. Forest Pests. P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25497

Author : Uchakina, V.A.

Inst : Rostov-on-Don University

Title : Towards the Biology of the Noctuid Silkworm Moth in the Environs of Rostov-on-Don

Orig Pub : Uch. zap. Rostovsk.-n/D. un-ta, 1957, 58, 151-155

Abstract : According to observations, made in 1953-1954, Calocasia coryli develops in 2 generations (G). Emergence of the butterflies from the hibernating pupae and egg-laying are noted in the end of April - beginning of May. The caterpillars, on the whole, feed on oak and linden leaves from May to the 2nd decade (D) of June; pupation takes place from the 2nd D of June to the 1st D of July;

Card 1/2

KRICHEVSKIY, Ruvim Markovich; UCHAKOV, K.Z., otv.red.; YEROKHIN, G.M., red.izd-va; IL'INSKAYA, G.M., tekhn.red.

[Safe work methods in seams subject to sudden coal and gas outbursts] Bezopasnye sposoby rabot na plastakh, podverzhennykh vnezapnym vybrosam uglia i gaza. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. 57 p. (MIRA 13:7)
(Coal mines and mining--Safety measures)

PASTUKHOV, A.D.; CHEKMAREV, V.A.; UCHAMEYSHVILI, Z.V.

Using an emulsion without olein for oiling the blends in worsted cloth manufacture. Tekst.prom. 22 no.6:47-48 Je '62. (MIRA 16:5)

1. Glavnyy inzh. Klintsovskoy tonkosukonnoy fabriki imeni Kominterna (for Pastukhov). 2. Nachal'nik otdelochnogo proizvodstva Klintsovskoy tonkosukonnoy fabriki imeni Kominterna (for Chekmarev). 3. Zaveduyushchiy fiziko-khimicheskoy laboratoriyey Klintsovskoy tonkosukonnoy fabriki imeni Kominterna (for Uchameyshvili).

(Wool and worsted manufacture)

ZINOV'YEV, V.Ye.; CHEKMAREV, V.A.; FAYER, S.F.; UCHAMEYSHVILI, Z.V.

From the experience in dyeing lavsan polyester fibers. Tekst.-prom. 22 no.9:8-11 S '62. (MIRA 15:9)

1. Glavnyy inzhener Klintsovskoy tonkosukonnoy fabriki imeni Kominterna (for Zinov'yev). 2. Zaveduyushchiy otdelochnym proizvodstvom Klintsovskoy tonkosukonnoy fabriki imeni Kominterna (for Chekmarev). 3. Nachal'nik krasil'nogo tsekha Klintsovskoy tonkosukonnoy fabriki imeni Kominterna (for Fayer).

(Dyes and dyeing--Textile fibers)

UCHANEYSHVILI, Ya. S.

Calculus of the tonsil. Vest. otorin. no.1:89-90 '62.
(MIRA 15:7)

1. Iz khirurgicheskogo otdeleniya (zav. - kandidat meditsinskikh nauk M. Ya. Chkheidze) Potiyskoy gorodskoy bol'nitsy.

(TONSILS—DISEASES) (CALCULI)

UCHASTKIN, P. V.

UCHASTKIN, P. V., Kandidat Tekhn. Nauk i, TETEREVNIKOV, V. N., Kand. Tekhn. Nauk

Leningradskiy institut okhrany truda VTSSPS

Tipovyye agregaty liot dlya tsentralizovanykh sistem iskusstvennogo Klimata
Page 51

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Moscow, 1951

UCHASTKIN, P.V., kand.tekhn.nauk; LOZANOVSKIY, L.B., inzh.

Essential conditions for unit control boards. Elek.sta. 31 no.1:14-16 Ja '60. (MIRA 13:5)
(Electric controllers)

SOV/124-57-4-4188

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 48 (USSR)

AUTHOR: Uchastkin, P. V.

TITLE: Creating Localized Atmospheric Conditions by Means of the "Down-draft Method" (Sposob mestnogo sozdaniya zadannykh meteorologicheskikh usloviy pri pomoshchi "nispadayushchego potoka")

PERIODICAL: Tr. nauch. sessii Vses. n.-i. in-ta okhrany truda, 1954 (1955) Nr 1, pp 9-15

ABSTRACT: An investigation was conducted on the artificial cooling of the atmospheric medium at workmen's stations by means of the so-called "down-draft method", which consists in directing downward to the workman's station a low-velocity, large-diameter, cooled-air jet. Data are given on the recorded temperature and velocity fields for such a jet with an initial diameter of 800 mm.

G. L. Grozdovskiy

Card 1/1

SHCHERBAN', A.N.; KREMNEV, O.A.; CHERNOBYL'SKIY, I.I.; UCHASTKIN, P.V.; TETERNIKOV, V.N.; YAGEL'SKIY, A.N.; KUCHEROV, P.S., redaktor; TITKOV, B.S., redaktor izdatel'stva; ZHUKOVSKIY, A.D., tekhnicheskiy redaktor

[Cooling and drying of air in deep coal mines] Okhlazhdenie i osushenie vozdukha v glubokikh ugol'nykh shakhtakh. Pod obshchei red. A.N.Shcherbania i O.A.Kremneva. Kiev, Izd-vo Akademii nauk USSR, 1956. 271 p. (MLRA 9:12)

1. Chlen-korrespondent AN USSR (for Kucherov)
(Mine ventilation)

14(1) PHASE I BOOK EXPLOITATION SOV/2466

Uchastkin, Petr Vasil'yevich

Ustanovki iskusstvennogo klimata v goryachikh tsekhakh (Air Conditioning in Units of Plants With High-temperature Conditions) Moscow, Profizdat, 1958. 270 p. 3,500 copies printed.

Special Ed.: V.N. Teterevnikov; Ed.: I.S. Denisova; Tech. Ed.: S.I. Rakov.

PURPOSE: This book is intended for engineering and technical personnel of industrial establishments, planning organizations, and industrial hygiene organizations. It may also be useful to physicians in the field of industrial hygiene.

COVERAGE: This book deals with the air conditioning of working areas in plants with high-temperature conditions. It describes types of industrial air conditioning equipment and presents basic design methods. Individual chapters are devoted to automatic control devices and noise suppression. The book includes con-

Card 1/8

tributions of LIOT, including the results of several experimental investigations conducted at the Air Conditioning Laboratory under the direction of the author and with the assistance of D.A. Matelenok, A.S. Kravtsova, and M.P. Tryapkin. The author thanks V.N. Teterevnikov, Candidate of Technical Sciences, for his advice in editing the book, and L.M. Rozenfel'd, Doctor of Technical Sciences, O.A. Kremnev and V.Ya. Arrisson, Candidates of Technical Sciences, and Engineer A.L. Satanovskiy for contributing some of the material. There are 40 references, all Soviet.

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GO/jb
11-20-59

UCHASTKIN, Petr Vasil'yevich, kand. tekhn. nauk; TETEREVNIKOV, Vladimir Nikolayevich; MATELENOK, Dmitriy Antonovich; Prinimal uchastiye FLEYSHMAN, P.L.; KOUZOV, P.A., nauchn. red.; DENISOVA, I.S., red.

[Air conditioning of industrial buildings] Konditsionirovanie vozdukha v promyshlennykh zdaniiakh. Moskva, Profizdat, 1963. 422 p. (MIRA 17:5)

1. Rukovoditel' laboratorii konditsionirovaniya vozdukha Vsesoyuznogo nauchno-issledovatel'skogo instituta okhrany truda, Leningrad (for Uchastkin).

ACC NR: AR6035054 SOURCE CODE: UR/0058/66/000/008/E072/E072

AUTHOR: Krasil'nikov, V. A.; Belyayev, L. M.; Lyamov, V. Ye.; Sil'vestrova, I. M., Uchastkin, V. I.

TITLE: Investigation of the acoustical-electrical effect in cadmium sulfide monocrystals

SOURCE: Ref. zh. Fizika, Abs. 8E550

REF SOURCE: Sb. Nekotoryye vopr. vzaimodeystviya ul'trazvyk, voln s elektronami provodim. v kristallakh. M., 1965, 95-110

TOPIC TAGS: crystal, cadmium sulfide, monocrystal, acoustical electrical effect

ABSTRACT: A study was made which showed that within the frequency range of 20—-75 Mc, the Weinrich formula is satisfied (at least qualitatively) in piezo-semiconductors for the acoustic electric effect (AEE). In cadmium sulfide mono-crystals AEE is considerable and because of its linear dependence on ultrasound may be used to measure ultrasound intensity in solids. The spectral character-istics of acoustic-electric emf (AEMF) do not agree with the theoretical (see

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ACC NR: AR6035054

reference 8E549 in the issue). The sharp increase in AEMF under nonuniform illumination of a sample makes it possible to use this method for increasing the sensitivity of acoustic-electrical meters in practical applications of AEE. [Translation of abstract] [SP]

SUB CODE: 20/

Card 2/2

GINBERG, S.V., inzhener; UCHASTKIN, V.P.; inzhener.

Methods of utilizing vapor from expanders in condenser systems of oil refineries. Neftianik 1 no.11:13-15 N '56. (MLRA 9:12)

1. Novoufimskiy neftepererabatyvayushchiy zavod.
(Petroleum--Refining) (Condensers (Vapors and gases))

UCHASTKINA, Z. B.

USSR/General Problems. Methodology. History. Scientific Institutions and Conferences. Teaching. Problems of Bibliography and Scientific Documentation A

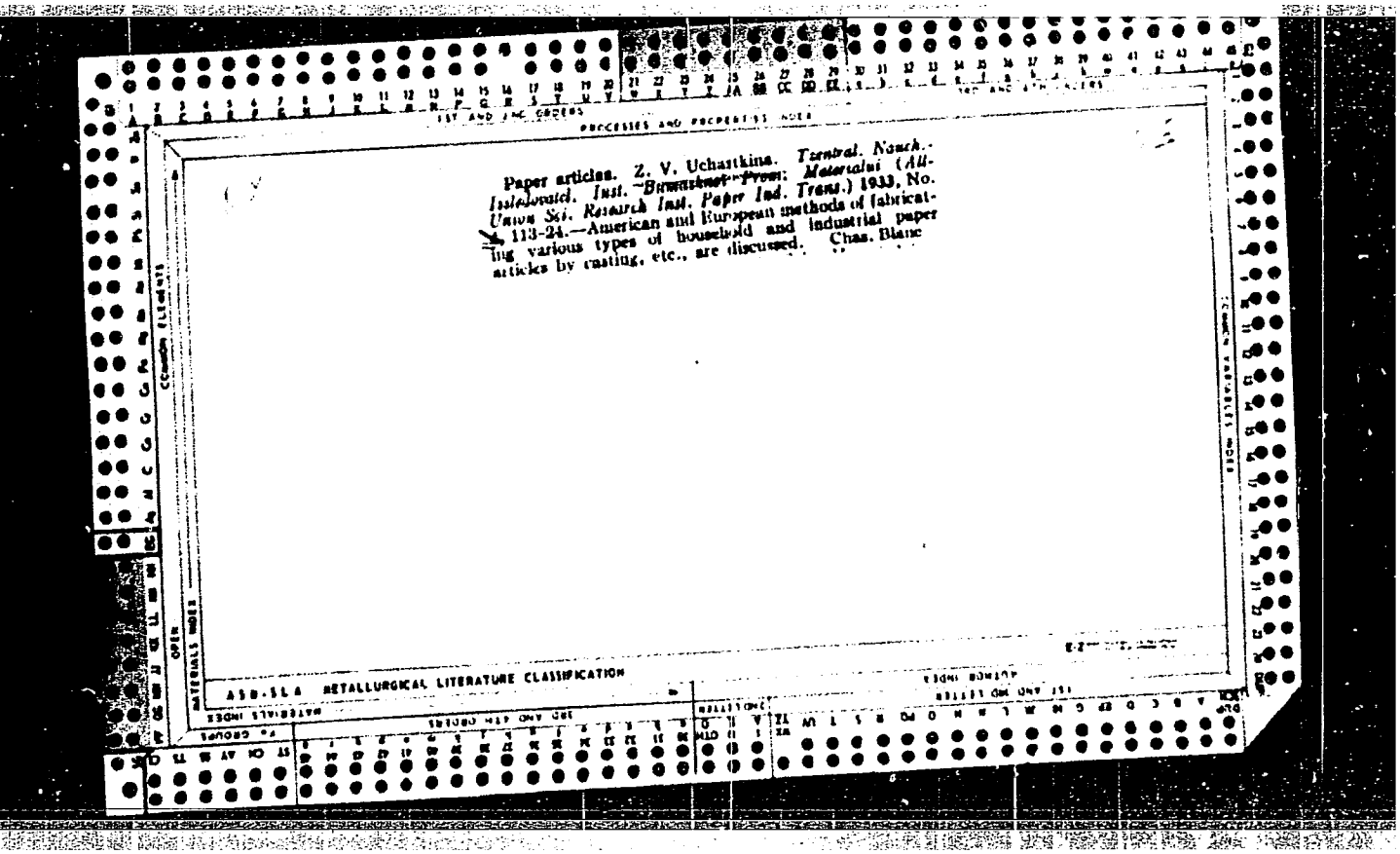
Abs Jour : Ref Zhur-Khimiya, No 4, 1958, 10237

Author : Z. B. Uchastkina
Inst : Not given
Title : Forty Years of the USSR Paper Industry

Orig Pub : Bum. prom-st', 1957, No 11, 10-15

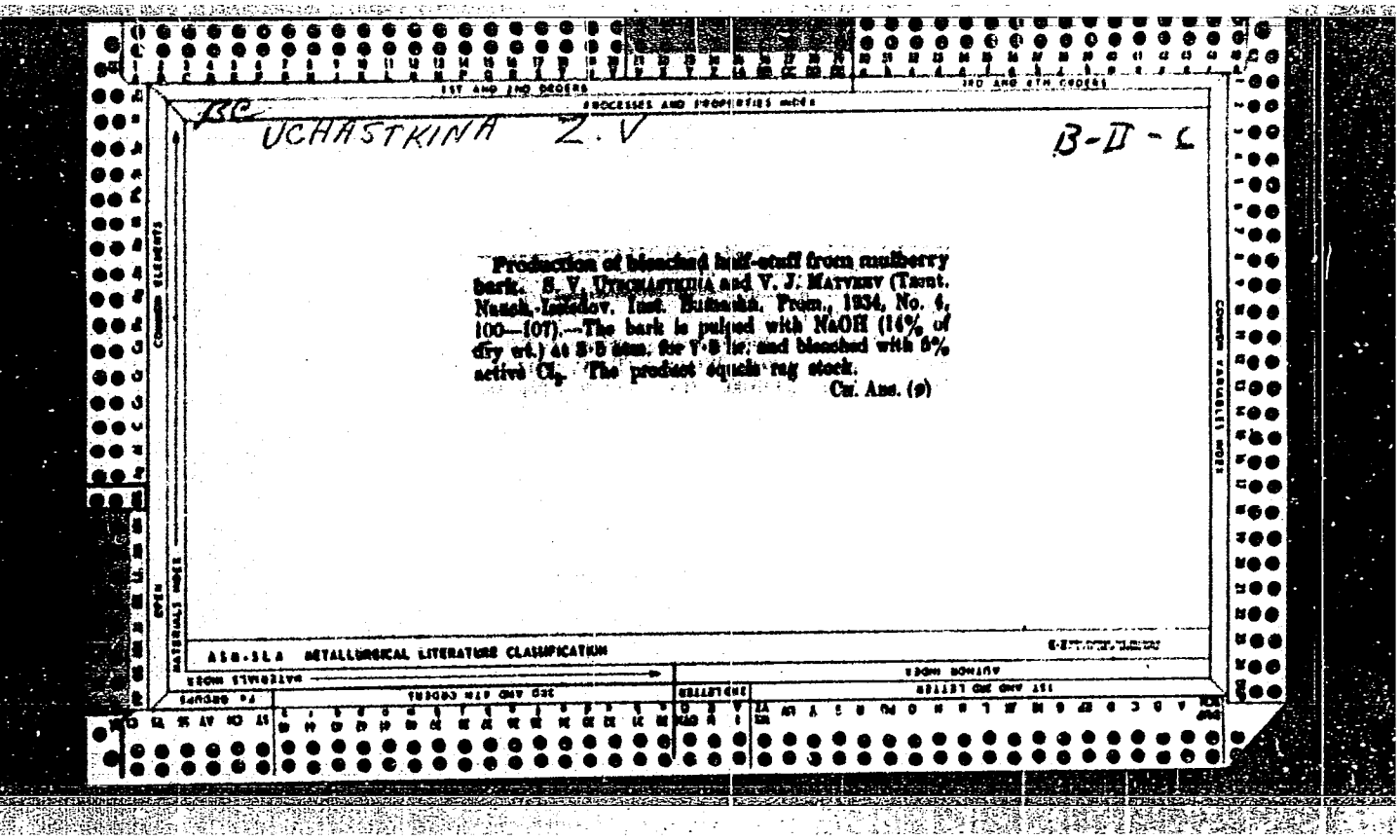
Abstract : No abstract

Card 1/1



Paper articles. Z. V. Ucharkina. *Tsentral. Nauch.-Issledovatel. Inst. Bumazhnoi Prom.: Materialui (All-Union Sci. Research Inst. Paper Ind. Trans.)* 1933, No. 113-24.—American and European methods of fabricating various types of household and industrial paper articles by coating, etc., are discussed. Chas. Blanc

A58-SL4 METALLURGICAL LITERATURE CLASSIFICATION

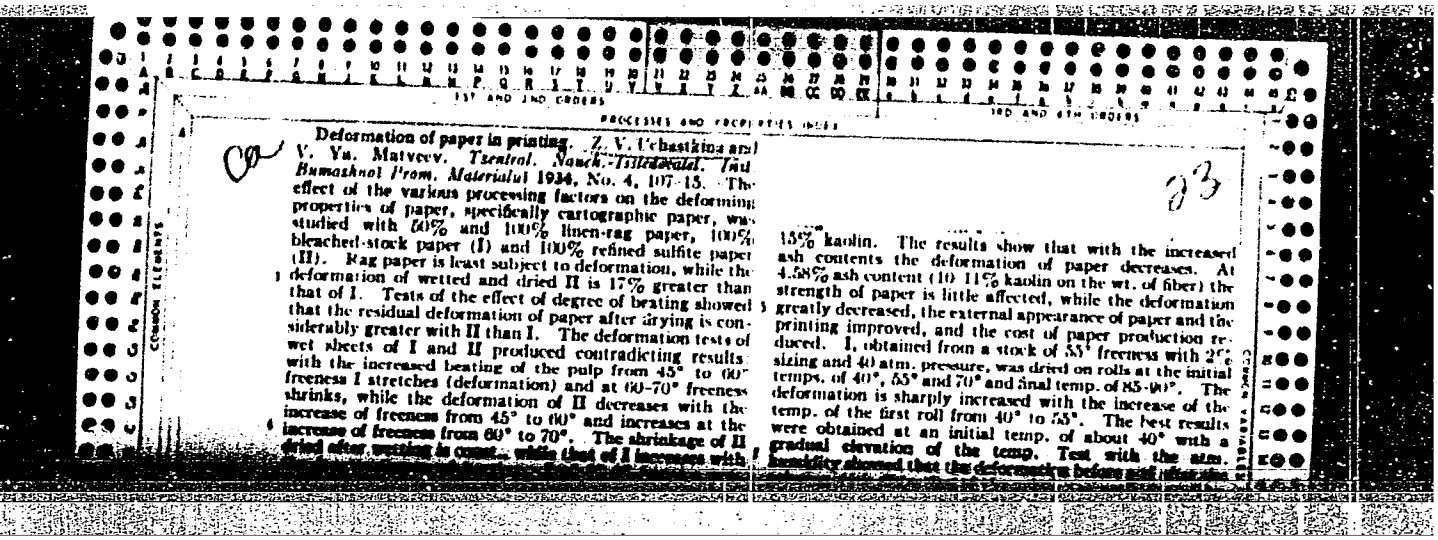


UCHASTKINA Z.V

B-II-L

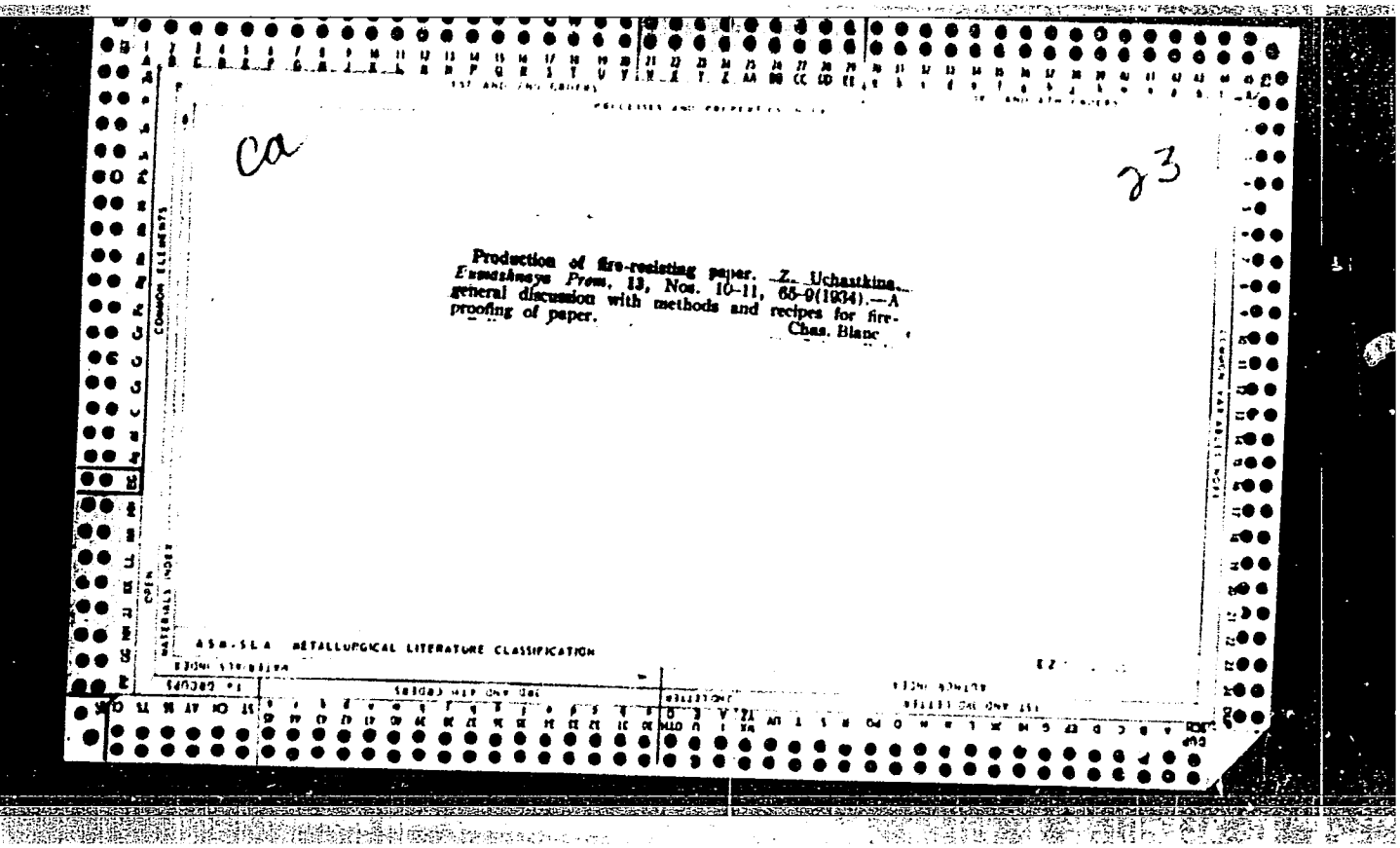
Production of bleached half-stuff from mulberry bark. S. V. Uchastkina and V. J. Matveev (Tsent. Nauch.-Issledov. Inst. Bumazhn. Prom., 1934, No. 6, 100—107).—The bark is pulped with NaOH (16% of dry wt.) at 3·5 atm. for 7·5 hr. and bleached with 5% active Cl_2. The product equals rag stock.

Cu. Abs. (p)



Deformation of paper in printing. Z. V. Ushastkina and V. Yu. Matveev. *Tsentrol. Nauch.-Issledovat. Inst. Bumazhnol Prom. Materialui* 1934, No. 4, 107-15. The effect of the various processing factors on the deforming properties of paper, specifically cartographic paper, was studied with 50% and 100% linen-rag paper, 100% bleached-stock paper (I) and 100% refined sulfite paper (II). Rag paper is least subject to deformation, while the deformation of wetted and dried II is 17% greater than that of I. Tests of the effect of degree of beating showed that the residual deformation of paper after drying is considerably greater with II than I. The deformation tests of wet sheets of I and II produced contradicting results with the increased beating of the pulp from 45° to 60° freeness I stretches (deformation) and at 60-70° freeness shrinks, while the deformation of II decreases with the increase of freeness from 45° to 60° and increases at the increase of freeness from 60° to 70°. The shrinkage of II dried after wetting in contr... while that of I increases with

15% kaolin. The results show that with the increased ash contents the deformation of paper decreases. At 4.58% ash content (10-11% kaolin on the wt. of fiber) the strength of paper is little affected, while the deformation greatly decreased, the external appearance of paper and the printing improved, and the cost of paper production reduced. I, obtained from a stock of 55° freeness with 2% sizing and 40 atm. pressure, was dried on rolls at the initial temps. of 40°, 55° and 70° and final temp. of 85-90°. The deformation is sharply increased with the increase of the temp. of the first roll from 40° to 55°. The best results were obtained at an initial temp. of about 40° with a gradual elevation of the temp. Test with the atm. humidifier showed that the deformation before and after the



ca

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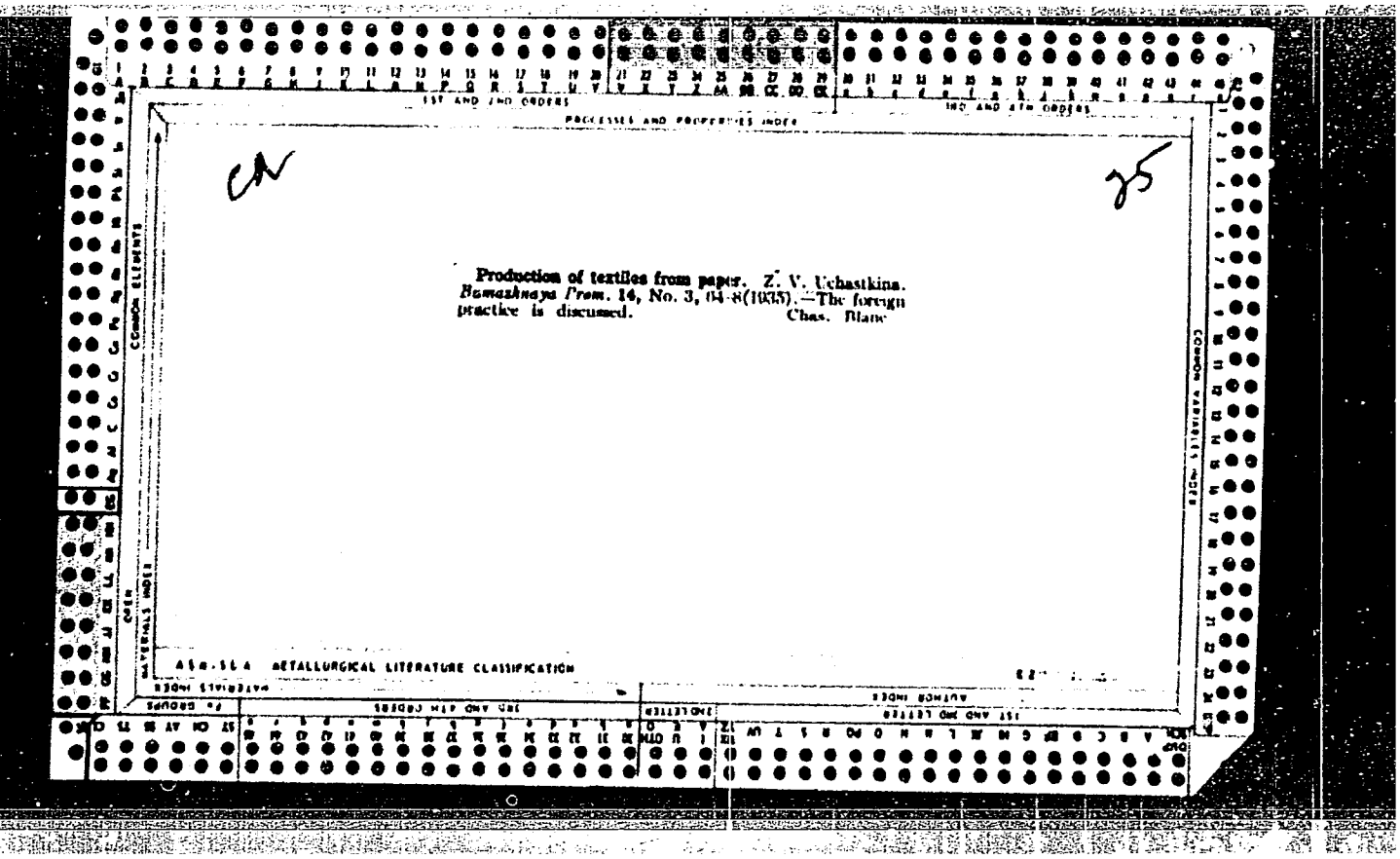
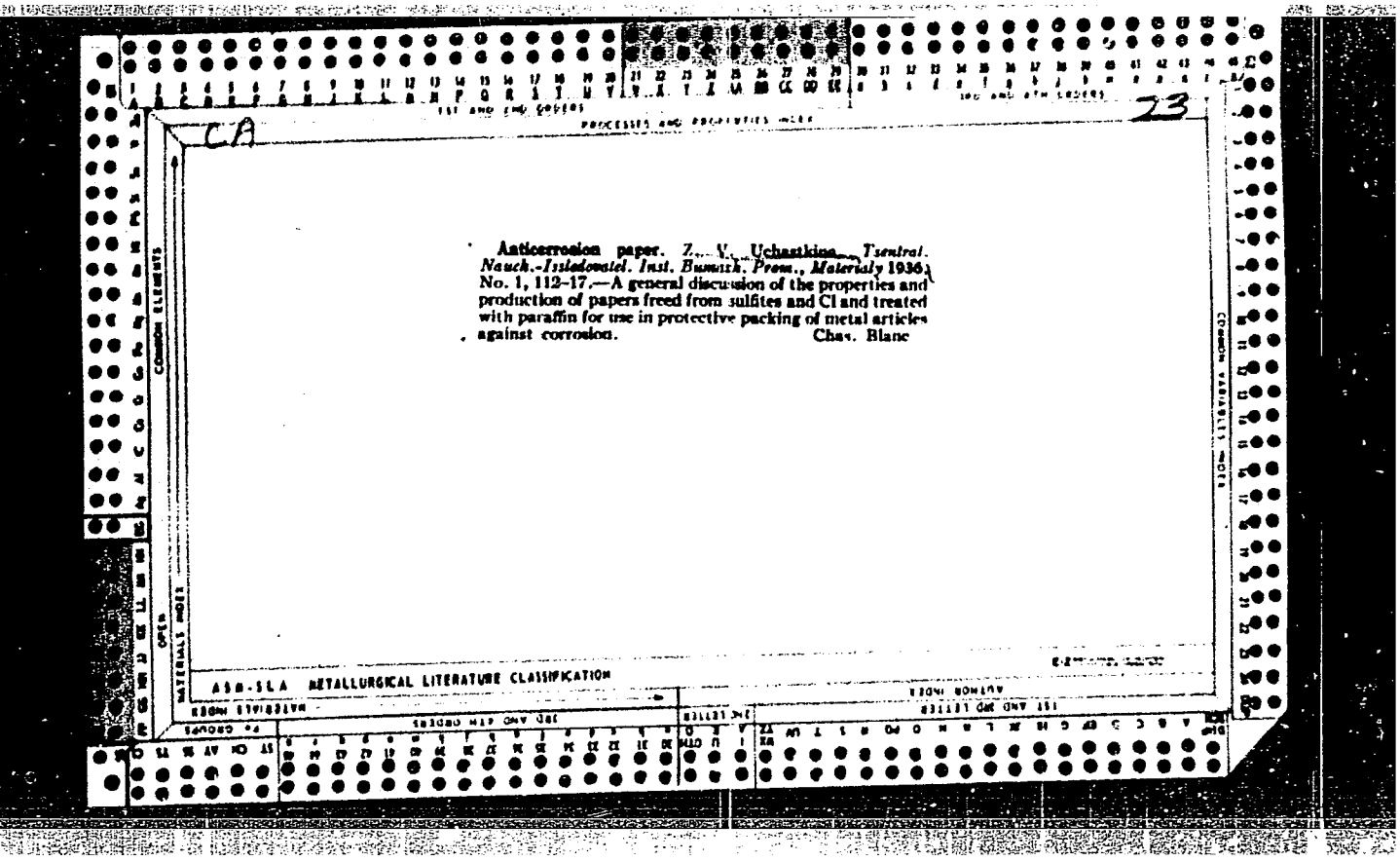
Production of fire-resisting paper. Z. Uchastkina. *Bumazhnaya Prom.*, 13, Nos. 10–11, 68–9(1934).—A general discussion with methods and recipes for fire-proofing of paper. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Production of textiles from paper. Z. V. Uchastkina. *Bumazhnaya Prom.* 14, No. 3, 04-8(1935).—The foreign practice is discussed. Chas. Blanc

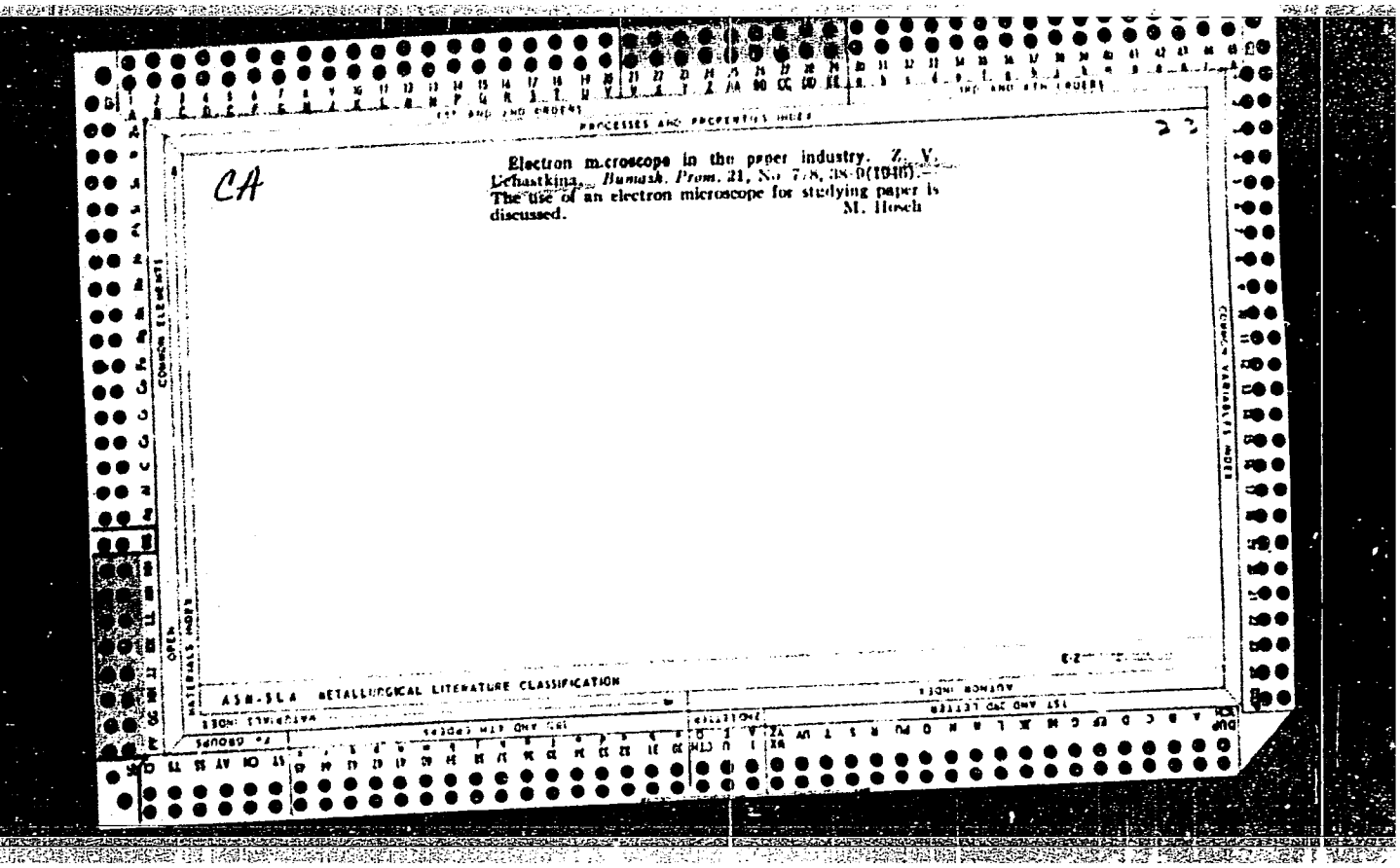


CA

23

Anticorrosion paper. Z. V. Uchastkina. *Tsentral. Nauch.-Issledovatel. Inst. Bumazh. Prom., Materialy* 1936, No. 1, 112–17.—A general discussion of the properties and production of papers freed from sulfites and Cl and treated with paraffin for use in protective packing of metal articles against corrosion. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

Electron microscope in the paper industry. Z. V. Uchastkina. *Bumazh. Prom.* 21, No. 7/8, 38-9(1946). The use of an electron microscope for studying paper is discussed. M. Hoseh

UCHASTKIN, Z. V. PA 4T49

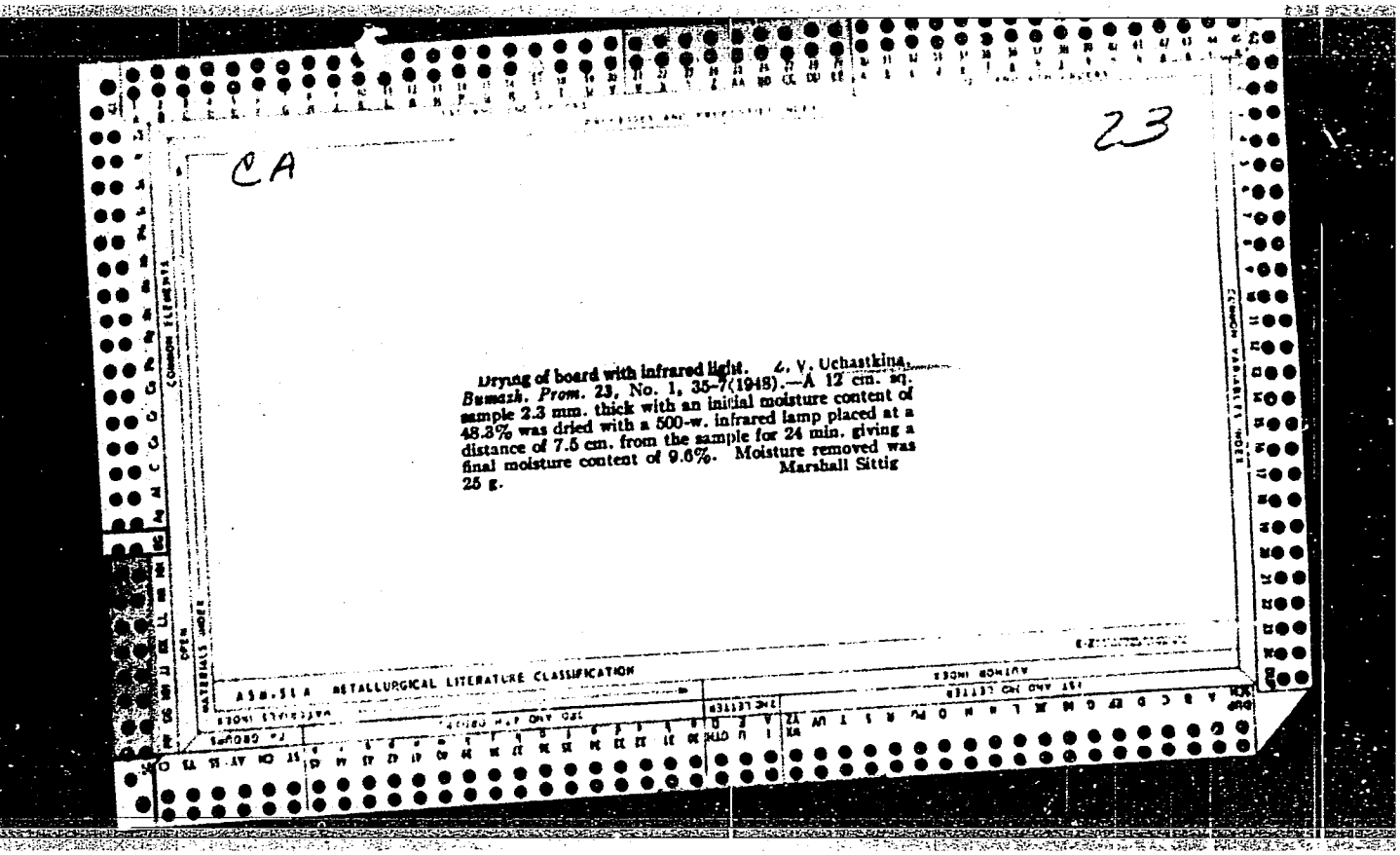
USSR/Chemistry - Industrial Feb 1947
Paper, waterproof

"Waterproof Paper in Shipbuilding," Z. V. Uchastkin, 3 pp

"Bumazhnaya Promyshlennost" Vol XXII, No 2

Discussion, with tables, of the mechanical properties of base paper: thickness, absorption, flexibility, etc.

4T49



UCHASTKINA, Z. V.

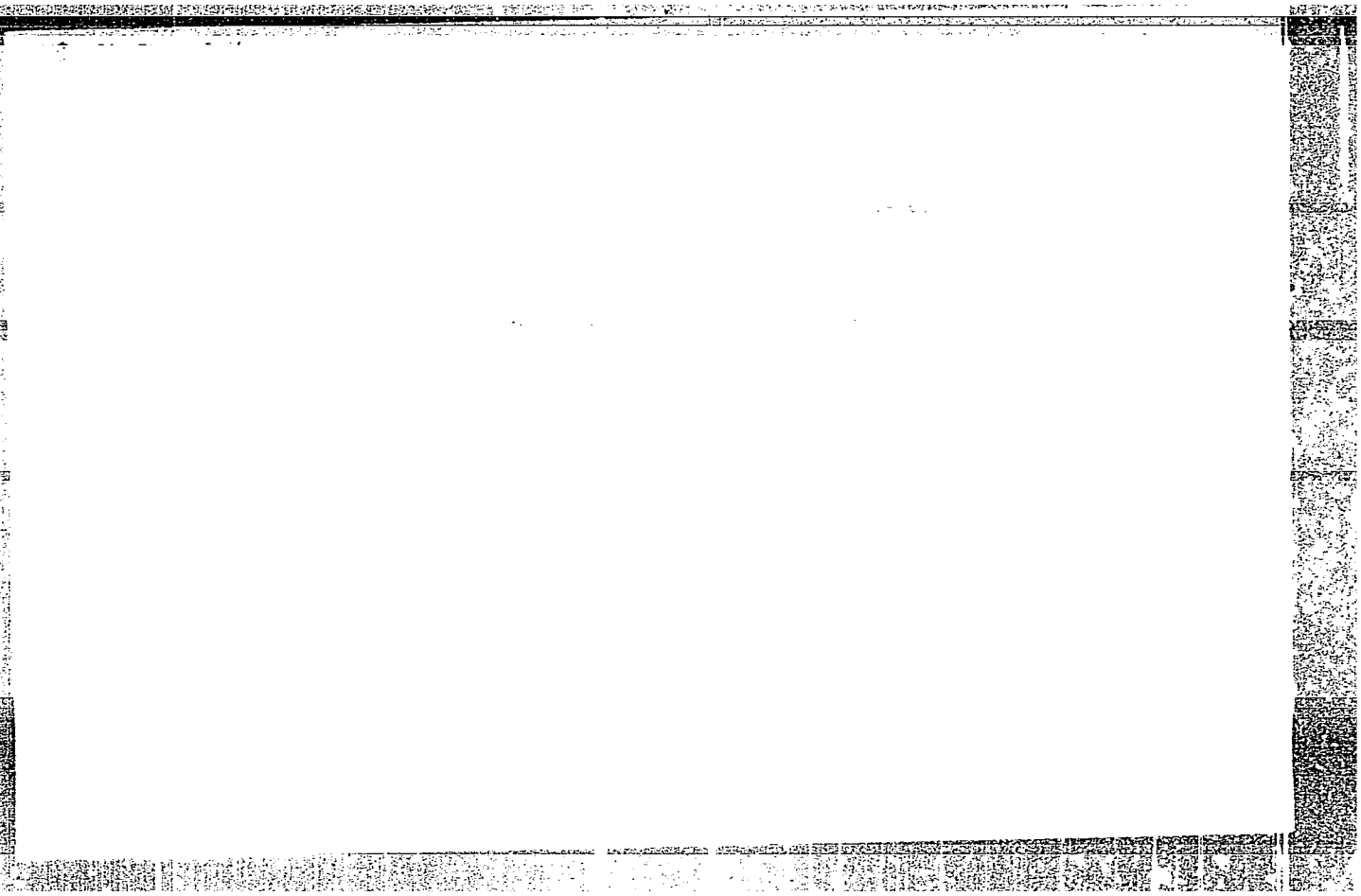
"History of the Development of Paper Production in Russia." Dr Tech Sci, Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev, Min Higher Education USSR, Moscow, 1954. (KL, No 3, Jan 55)

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

UCHASTKINA, Zoya Vasil'yevna; LUK'YANOV, P.M., professor; RYUKHIN, N.V., redaktor; GRODNITSKAYA, Ye.M., redaktor izdatel'stva; VOLKHOVER, R.S., tekhnicheskiy redaktor

[Russian papermaking technology] Russkaia tekhnika v proizvodstve bumagi. Pod red. P.M.Luk'ianova. Moskva, Goslesbumizdat, 1954. 145 p. (MLRA 10:3)

(Paper industry--History)



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810013-7"

UCHASTKINA, Z.V.

TOMASHEVICH, G.N., inzhener; UCHASTKINA, Z.V., kandidat tekhnicheskikh nauk.

Fluorescence analysis of paper. Bum.prom. 30 no.1:15-17 Ja '55. (MLRA 8:3)
(Paper--Testing)

UCHASTKINA, Z.V., kandidat tekhnicheskikh nauk

Elements in the ash content of paper made from semi-manufactured-products of wood. Bum.prom.30 no.5:14 My '55. (MLRA 8:8)

(Paper industry)

UCHASTKINA, Z.V., kandidat tekhnicheskikh nauk

Thirtieth anniversary of the journal "Bumazhnaia promyshlennost'"
Bum.prom.30 no.9:5-8 S '55. (MLRA 8:12)
(Paper industry--Periodicals)

USSR/General Problems. A-

Abs Jour : Ref Zhur - Khimiya, No 10, 1957, 33372

Author : Uchastkina, Z.V.
Inst :
Title : The Water Symbols on Russian Paper.

Orig Pub : Tr. in-ta istoriyi yeststvozn. i tekhn. AN SSSR, 1956, 12, 312-337.

Abstract : An historical outline on Russian filigree work is given. Archive material is utilized.
14 illustrations and the decoding of 49 filigrees are given.

Card 1/1

UCHASTKINA, Z.V., kandidat tekhnicheskikh nauk.

Specialization in the paper industry. Bum.prom.31 no.2:26 F '56.
(Paper industry) (MLRA 9:6)

UCHASTKINA, Z.V., kandidat tekhnicheskikh nauk.

Calculating labor consuming operations in the woodpulp and paper industry. Bum.prom 31 no.9:28 S '56. (MLRA 9:11)
(Paper industry--Accounting)
(Labor productivity)

UCHASTKINA, Z.V., kand.tekhn.nauk.

Paper industry of the U.S.S.R. in the last forty years. Bum. prom. 32 no.11:10-15 N '57. (MIRA 11:1)
(Paper industry--History)

UCHASTKINA, Z.V., Doc Tech Sci--(diss) "History of Development of the technique of paper production in Russia." Len., 1957. 33 pp (Min of Higher Education USSR. Len Technological Inst), 150 copies. List of author's works at end of text (13 titles) (KL,40-58, 103)

ALEKSEYEV, D.G.; VEYNOV, K.A.; GORCHENKOV, S.G.; GUREVICH, S.B.; DITKOVSKIY, A.S.; KAMKOV, G.I.; MORGEN, D.I.; PROKHORCHUK, I.S.; RUMYANTSEV, N.M.; UCHASTKINA, Z.V.; SHISHOV, I.A.; MOLOZHAVYY, M.M., red.; NIKOLAYEV, N.N., red.; CHISTYAKOV, N.N., red.; KHUDYAKOVA, A.V., red.; MOROZOV, Yu.V., red.izd-va; BACHURINA, A.M., tekhn.red.

[Soviet paper industry, 1917-1957] Bumazhnaia promyshlennost' SSSR, 1917-1957 gg. Pod obshchei red. K.A.Veinova. Moskva, Goslesbumizdat, 1958. 147 p. (MIRA 12:3)

1. Nauchno-tekhnicheskoye obshchestvo bumazhnoy i derevoobrabatyvayushchey promyshlennosti. 2. Chlen Nauchno-tekhnicheskogo obshchestva bumazhnoy i derevoobrabatyvayushchey promyshlennosti (for all except Morozov, Bachurina).

(Paper industry)

SOMINSKIY, Vladimir Samoylovich, dotsent, kand.tekhn.nauk; GUREVICH, Semen Borisovich, inzh.; KOGAN, Bronislava L'vovna, dotsent, kand.ekon.nauk; UCHASTKINA, Zoya Vasil'yevna, dotsent, kand. tekhn.nauk. Prinimal uchastiye: IVCHER, M.I., starshiy prepodavatel'. FEDORENKO, N.P., prof., doktor ekon.nauk, retsenzent; SARMATSKAYA, G.I., red.izd-va; BRAZHISHKO, L.V., tekhn.red.; PROKOF'YEVA, L.N., tekhn.red.

[Production organization and planning at pulp and paper mills] Organizatsiia i planirovanie proizvodstva na tselliulozno-bumazhnykh predpriiatiiakh. Moskva, Goslesbumizdat, 1958. 257 p. (MIRA 12:6)
(Woodpulp industry) (Paper industry)

SOMINSKIY, V.S.; UCHASTKINA, Z.V.

Improvement of chemical technology in the pulp and paper industries. Bum. prom. 33 no.9:2-3 S '58. (MIRA 11:10)
(Paper industry) (Woodpulp industry)

KAPUSTINA, A.M.; UCHASTKINA, Z.V.

Training technicians for the woodpulp and paper industry. Bum. prom. 34 no.1:23-24 Ja '59. (MIRA 12:1)
(Paper industry)

UCHASTKINA, Z.V., kand.tekhn.nauk

Labor expended in subsidiary sections. Bum.prom. 34 no.2:19 F '59. (MIRA 12:4)
(Paper industry--Production standards)

22(1) SOV/3-59-3-32/48

AUTHOR: Uchastkina, Z.V., Candidate of Technical Sciences, Docent

TITLE: Teaching Technical Standardization (Prepodavaniye tekhnicheskogo normirovaniya)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 64-65 (USSR)

ABSTRACT: The possibility that engineer-economists, who are trained in the Leningrad Technological Institute of the Cellulose and Paper Industry, may be subsequently used as rate-setters, caused the introduction of the subject "Technical Standardization" (setting of proper output rates) into the curriculum. It is given in the 8th semester in the engineering-economic department and comprises 62 hours. The author states what literature the students should use for independent study and that it particularly deals with the new methods of setting output rates, i.e. the oscillographical, the normative, the filming, the enlarged method of standardization, etc. The lectures give in-

Card 1/3

formation on research in labor conditions and fatiguability at production places, data on construction of devices for measuring time during observation, and on experience in calculating time-consuming work. The working plan of practical exercises foresees that students must acquire a specific skill in fixing output rates both in the basic and auxiliary production. In the basic workshops of paper production at the Leningradskaya bumazhnaya fabrika Nr 1 (Leningrad Paper Plant Nr 1) the institute has organized practical training for establishing technically justified output rates. Photographing a 24-hour working day for studying labor organization and the extent to which working time is being utilized in the brigades,

UCHASTKINA, Zoya Vasil'yevna; KASPAROV, Grant Borisovich

[The economics, organization, and planning of the woodpulp and paper industries]Ekonomika, organizatsiia i planirovanie tselliulozno-bumazhnogo proizvodstva. Moskva, Goslesbumizdat, 1961. 236 p. (MIRA 15:10)
(Paper industry) (Wood pulp industry)

UCHASTKINA, Z.V., doktor tekhn.nauk

Research in the history of paper. Bum.prom. 36 no.5:31 My '61. (MIRA 14:5)

(Paper)

UCHASTKINA, Z.V., prof.

Third congress of the historians of the paper industry. Bum. prom. 36 no.9:36 S '61. (MIRA 15:1)

(Paper industry)

UCHASTKINA, Zoya Vasil'yevna; SUCHIL'NIKOV, N.P., ofits. retsenzent; SINITSYN, M.P., red.; SARMATSKAYA, G.I., red. izd-va; GRECHISHCHEVA, V.I., tekhn. red.

[Economics of the woodpulp-paper industry] Ekonomika tsellyulozno-bumazhnoi promyshlennosti. Moskva, Goslesbumizdat, 1963. 201 p. (MIRA 17:1)

UCHASTKINA, Z.V.; ALEKSEYEVA, A.N.; BAKUTS, Ye.P.; SOKOL, I.A.

Economic evaluation of the production of viscose cellulose for staple rayon without hot refining. Trudy LTITSBP no.12:130-134 '64. (MIRA 18:8)

UCHASTKINA, Z.V.; KONSTANTINOVA, Ye.V.; PATSATSIYA, O.A.

Level of chlorination in the woodpulp and paper industry. Trudy LTTISBP no.[illegible] 10 [illegible] 65. (MIRA 18:8)

UCHASTKINA Z. V.

UCHASTKINA, Z. T.

Determining the labor productivity in pig-breed farms. Trudy IMLISBP (MIRA 12:8)
no.15[illegible]57 [illegible].

UCHAYEV, A.A. (Moskva)

Radiation from a point source close to a dispersive surface. Izv. AN SSSR. Otd. tekh. nauk. Energ. i avtom. no.6:148-150 N-D '60. (MIRA 13:12)

(Light--Scattering)

UCHAYEV, A.A., mladshiy nauchnyy sotrudnik

Intrauterine infection of calves and the role of diplococci in the sterility of cattle. Veterinariia 39 no.11:30-31 N '62. (MIRA 16:10)

1. TSelinogradskaya nauchno-issledovatel'skaya veterinarnaya stantsiya.

UCHAYEV, A.A., mladshiy nauchnyy sotrudnik

Prevention of diplococcal diseases in cows and calves.
Veterinariia 40 no.4:26-28 Ap '63. (MIRA 17:1)

1. TSelinogradskaya nauchno-issledovatel'skaya veterinarnaya stantsiya.

ALSHINBAYEV, M.R.; AMELIN, V.P.; ANDRIANOVA, O.V.; GASIYEV, Zh.; DEGRAF, G.A.; INKARBEKOV, A.B.; KOLOMYTSEV, I.V.; KOLTUSHKIN, I.S.; MALAKHOV, V.P.; MONASTYRSKIY, A.O.; REZNIKOV, B.N.; SAKHAROV, I.V.; SENNIK, V.K.; SOSNIN, V.A.; SURKO, V.I.; SURKOV, Ye.P.; SYRLYBAYEV, S.N.; USIKOV, N.V.; UCHAYEV, A.F.; SHESTOPALOV, Ye.V.; SHERMAN, R., red.; GOROKHOV, L., tekhn. red.

[Study manual for a machinery operator] Uchebnik-spravochnik mekhanizatora. Alma-Ata, Kazsel'khozgiz, 1963. 326 p. (MIRA 16:12)

1. Alma-Ata, Kazakhskiy gosudarstvennyy sel'skokhozyaystvennyy institut. Fakul'tet mekhanizatsii. 2. Sotrudniki fakul'teta mekhanizatsii Kazakhskogo gosudarstvennogo sel'skokhozyaystvennogo instituta (for all ecxept Sherman, Gorokhov). (Agricultural machinery)

UCHAYKIN, V.

What our apiary gained from migratory beekeeping. Nauka i pered. op. v sel'khoz. 8 no. 7:21-23 Jl '58. (MIRA 11:8)

1. Bashkirskaya opytnaya stantsiya pchelovodstva.
(Bee culture)

IVANNIKOV, V.F., nauchnyy sotr.; PAKHOMOV, A.Ya., nauchnyy sotr.; UCHAYKIN, V.D., nauchnyy sotr.; FOMIN, I.P., nauchnyy sotr.; TIMOFEYEV, D.T., nauchnyy sotr.; TRET'YAKOV, G.P., red.; SEMENCHUK, S.I., red.; YASHCHEN'KINA, Ye.A., tekhn. red.

[Improve cultivation practices and increase sugar beet yields] Sovershenstvovat' agrotekhniku, povyshat' urozhai sakharnoi svekly. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1960. 52 p.
(MIRA 14:10)

1. Kinel'skaya selektsionnaya stantsiya Kuybyshevskogo sel'skokhozyaystvennogo instituta (for Ivannikov, Pakhomov, Uchaykin, Fomin, Timofeyev)

(Sugar beets)

S/188/60/000/03/05/008
B019/B056

AUTHORS: Chechernikov, V. I., Uchaykina, R. F.

TITLE: The Temperature Dependence of the Magnetic Susceptibility of Ferrite-garnets of Yttrium and Gadolinium

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya 3, fizika, astronomiya, 1960, No. 3, pp. 37 - 41

TEXT: The garnets investigated here have the formulas $5Fe_2O_3 \cdot 3Y_2O_3$ and $5Fe_2O_3 \cdot 3Gd_2O_3$, the samples were of spherical shape and had a diameter of 1 - 1.5 mm. The measurements were carried out at field strengths of from 1,500 to 20,000 oersteds and at temperatures of from 500 to 1350°K. From the temperature dependence of the reciprocal of molar susceptibility near Curie point it may be seen that susceptibility changes slowly with temperature. Within this range, susceptibility is a function of field strength, whereas at higher temperatures it depends only on temperature. Formula (1) is given, which describes the dependence of the intensity of magnetization σ on the magnetic field in the neighborhood of the Curie temperature:

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The Temperature Dependence of the Magnetic Susceptibility of Ferrite-garnets of Yttrium and Gadolinium

$H = \alpha\sigma + \beta\sigma^3$ (α and β are temperature-dependent coefficients). Fig. 2 shows that with rising temperature and fixed magnetic field strength, magnetization rapidly decreases. This diagram further shows that the isothermal lines of magnetization are nonlinear only in the ferromagnetic region, while in the paramagnetic region they may be approximated by a straight line; in this case, susceptibility depends only on H. In Fig. 5 experimental results concerning the dependence of reciprocal molar susceptibility on absolute temperature within the range of from 640 to 1350°K are compared with the theoretical results calculated according to Neel (Ref. 6). There are 5 figures, 1 table, and 7 references: 2 Soviet, 4 French, and 1 German.

ASSOCIATION: Kafedra magnetizma (Chair of Magnetism)

SUBMITTED: October 14, 1959

82328

S/139/60/000/03/006/045

24.2200 E032/E314

AUTHORS: Chechernikov, V.I. and Uchaykina, R.F.

TITLE: Temperature Dependence of the Paramagnetic Susceptibility of Nickel-cadmium Ferrites

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1960, Nr 3, pp 39 - 42 (USSR)

ABSTRACT: The paramagnetic susceptibility was measured by an apparatus based on the Faraday-Sucksmith method. The susceptibility was measured in a vacuum in the temperature interval between 300 and about 1 400 °K. The high temperatures were obtained with the aid of a furnace made of a quartz tube and heated by platinum wire. The temperature of the furnace was measured by a platinum-platinum rhodium thermocouple. 20-40 mg specimens were investigated in fields between 900 and 20 000 Oe. The specimens were mixed Ni-Cd ferrites described by the formula $Fe_2O_3(1 - z)NiO \cdot zCdO$, where z was varied between 0 and 1. The ferrites were obtained from the oxides Fe_2O_3, NiO and CdO, which were mixed and compressed under a pressure of 3 t/cm^2 and then heated at 1 250 °C for three hours.

Card1/3

S/139/60/000/03/006/045
E032/E314

Temperature Dependence of the Paramagnetic Susceptibility of Nickel-cadmium Ferrites

Figure 1 plots the reciprocal of the molar susceptibility as a function of temperature for the specimens indicated. As the CdO concentration increases, the dependence of $1/\varkappa$ on T gradually becomes linear. According to the Neel theory the reciprocal of the susceptibility as a function of temperature is given by Eq (1). Using experimental values for the constants in this expression, one can calculate the theoretical dependence of the reciprocal susceptibility on temperature. Figure 2 gives this dependence. The dotted curves are theoretical and the continuous curves are experimental. The two curves coincide in a wide temperature interval. The area of agreement increases with increasing cadmium-oxide concentration. The curves do not agree near the ferromagnetic Curie point. Measurements were also carried out of the magnetic susceptibility near the ferromagnetic Curie point. It was found that near Θ_f there is a temperature region where the susceptibility is weakly

Card2/3

Temperature Dependence of the Paramagnetic Susceptibility of Nickel-cadmium Ferrites

dependent on T but is a function of the magnetic field H . The dependence of the specific magnetisation σ on H is described by an expression of the form given by Eq (2), which holds between 1 000 and 10 000 Oe. The coefficients α and β depend on temperature and concentration. The coefficient α varies linearly with temperature near Θ_f but vanishes at $T = \Theta_f$.

The coefficient β varies nonlinearly with temperature. These facts were used to determine the ferromagnetic Curie points for ferrites with $z = 0$, 0.1, 0.2, 0.3, 0.4, 0.5 and 0.6, for which the Curie points were 843, 750, 710, 635, 580, 540 and 480 °K, respectively. Thus, the ferromagnetic Curie point is a practically linear function of the cadmium-oxide content of the ferrite.
There are 4 figures and 4 references, 3 of which are French and 1 is Soviet.

ASSOCIATION: Moskovskiy gosuniversitet imeni M.V. Lomonosova
(Moscow State University imeni M.V. Lomonosov)

SUBMITTED: March 9, 1959
Card3/3

CHECHERNIKOV, V.I.; UCHAYKINA, R.G.

Investigating ferrates in yttrium and gadolinium garnets in the vicinity of the ferromagnetic Curie point. Fiz.met.i metalloved. 9 no.3:456-458 Mr '60. (MIRA 13:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Ferrates) (Curie point)

69699
S/126/60/009/03/023/033
E032/E414

24.2200

AUTHORS: Cherchernikov, V.I. and Uchaykina, R.F.

TITLE: Investigation of Ferrites-Garnets of Yttrium and Gadolinium Near the Ferromagnetic Curie Point

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 3, pp 457-458 (USSR)

ABSTRACT: The aim of the present work was to study the dependence of the magnetic susceptibility on temperature and magnetic field strength in the region of ferromagnetic transformation in ferrites having the structure of garnets. The magnetic susceptibility was measured by the Faraday-Sucksmith method. The figure on p 458 shows $1/\chi$ as a function of temperature T. Experiments showed that for $T \lesssim \theta_f \lesssim T$ the susceptibility χ depends not only on T but also on H. In distinction to ferromagnetic metals and ferrites having the spinel structure, the magnetization curves for garnets have a sharply defined non-linear form only below the ferromagnetic Curie point ($T \lesssim \theta_f$), ie in the ferromagnetic region. In the transition to the paramagnetic region ($T \gtrsim \theta_f$) the isothermal magnetization curves approximate to straight

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Investigation of Ferrites-Garnets of Yttrium and Gadolinium Near the Ferromagnetic Curie Point

lines and χ no longer depends on H. In other words, the transition region for ferrites and garnets is much narrower (8 to 10°) while in the remaining ferromagnetics, including ferrites, this region occupies 20 to 100°. In the above temperature interval, the dependence of the specific magnetization σ on H is given by $H = \alpha\sigma + \beta\sigma^3$, (H = 2000 to 10000 Oe). Experiments show that the coefficient α depends linearly on temperature, becomes zero at $T = \Theta_f$ and changes sign after this point. This allowed us to measure Θ_f which was found to be 562°K for both ferrites. The value of Θ_f can also be obtained from the figure on p 458 if the curves are extrapolated to intersect the temperature axis as shown. The values of Θ_f determined by the two methods are practically the same. The dependence of β on T is more complicated but it always remains positive. The temperature dependence of the paramagnetic susceptibility in the high temperature region (up to about 1400°K) is governed by the well known hyperbolic

Card 2/3

S/126/60/009/03/023/033
E032/E414

Investigation of Ferrites-Garnets of Yttrium and Gadolinium Near the Ferromagnetic Curie Point

law of Neel (Ref 2) for the yttrium ferrite; the values of C, σ_n, θ and $1/\chi_o$ were found to be 58, 1550, 570°K and 30.5 respectively. There are 1 figure and 2 references, 1 of which is Soviet and 1 French.

This is an abridged translation.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

SUBMITTED: March 23, 1959

Card 3/3

CHACHERNIKOV, V. I., UCHAYKINA, R.F.

Temperature dependence of the magnetic susceptibility of yttrium and gadolinium ferrite garnets. Vest. Mosk. un. Ser. 3: Fiz., astron. 15 no.3:37-41 My - Je '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet. Kafedra magnetizma.
(Yttrium ferrate--Magnetic properties)
(Gadolinium ferrate--Magnetic properties)

UCHEK, starshiy leytenant.

Days of aviators in the German Democratic Republic; in an aeronautical school. Vest. Vozd. Fl. 41 no.9:83-84 S '58. (MIRA 11:10)

(Germany, East--Aeronautics--Study and teaching)

UCHEN', M.T.; FEDOSEYEV, P.N.

Method for quantitative determination of halogens and sulfur and simultaneous determination of halogens and sulfur in organic substances. Izv.vys.ucheb.zav.; khim.i khim.tekh. 8 no.4:619-622 '65. (MIRA 18:11)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti, kafedra organicheskoy khimii.

UCHENOV, V. M.

Naladka i ekspluatatsiia chetyrekhstoronnego strogal'nogo stanka tiazhelogo tipa [Adjustment and operation of the heavy quadrilateral planing machine]. Moskva, Goslesbumizdat, 1952. 47 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

UCHENOVA, V.

The birth of a camera. Sov.foto 17 no.1:39-41 Ja '57. (MLRA 10:7)
(Cameras--Equipment and supplies)

UCHENOVA, V.

A sad tale about silver. Sov.foto 17 no.2:61-63 F '57. (MLRA 10:7)
(Silver) (Photography--Wastes, Recovery of)

UCHENOVA, V.

Substantial shortcomings in the training of journalists. Sov.foto 17 no.7:11-13 Jl '57. (MLRA 10:8)
(Photography, Journalistic)

USSR/Microbiology

Cummoses of the Cotton Plant and Measures for Combating Them, ed by F. I. Uchevatkin, Tashkent, 1951; author Vasil'yev, A. A.

Mikrobiologiya, Vol XX, No. 5, 1951.
W-24635.

1. UCHEVATKIN, F.I.; BORODULINA, A.

2. USSR (600)

4. Cotton Growing

7. Phosphorus leaf dressings for cotton and seed alfalfa, F. Uchevatkin, A. Borodulina, Khlopkovodstvo 3 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

Uchevatkin, F. I.

AG

Extra-root phosphate fertilization of cotton plants. F. I. Uchevatkin, A. A. Borodulina, V. I. Dulova, N. V. Volotrilova, and V. L. Lisnevskii. *Izvest. Akad. Nauk Uzbek. S.S.R.* 1953, No. 5, 8–15 (in Russian); *Referat. Zhur., Biol.* 1955, No. 3328.—$KH_2P^{32}O_4$ and P^{32}-labeled superphosphate solns. and powders were used. One leaf of exptl. cotton plants was moistened by solns. of the P^{32} compd. One leaf immediately below and 4 above and the entire plant were tested each for the presence of P^{32} compds. by the use of a radio counter. Radioactivity counts indicated that rapid absorption of the labeled compds. occurred in the treated leaf; it was then transported throughout the plant, including the buds, flowers, and seed pods. The penetration of P^{32} compds. is at a higher rate into the seed pods of the uppermost cones and persists through the maturing period of the seed pod. Dusting expts. gave similar results but generally on a lower level of absorption. In both types of leaf treatment the presence of P^{32} compds. becomes manifest in other parts of the plant the day following the application. Evidence was elicited of the accumulation of labeled P compds. in the plants as treatment is continued. Phosphate P is assimilated by the cotton plant more effectively than superphosphate P. The coeff. of extra-root applied P assimilation is on the av. 400 times as great as via the root absorption.

B. S. Levine

UCHEVATKIN, F. I.

Kolkhozno-sovkhoznoe semenovodstvo khlopchatnika [Collective and state farm cotton seed growing] Tashkent, Izd-vo Akademii nauk Uzbekskoi SSR, 1952. 52 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

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[Cotton growing] Khlopkovodstvo. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1956. 347 p. (MIRA 10:7)
(Cotton growing)

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53705

Author : Uchevatkin, F.I.
Inst : -
Title : Irrigation of Cotton Plants Prior to Blossoming

Orig Pub : Sots. s. kh. Uzbekistana, 1957, No 5, 11-17

Abstract : On the basis of the experiments conducted during 1949-1951 at the Institute of Agriculture of the Academy of Sciences of the Uzbek SSR on the clarification of the relation between the biological peculiarities of different cotton plant varieties and the dropping of their ovaries, - it was established that the irrigation rate for cotton plants before blossoming must be determined on the basis of a study of the peculiarities of each variety. On sierozems with the ground water at a considerable depth, not more than one watering prior to blossoming should be carried out in the central cotton regions

Card 1/2

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53705

(Tashkent, Fergana) where the medium and medium-late soviet cotton varieties are cultivated which are prone to monopodial growth. Irrigation before blossoming is not recommended on meadow soils with the fresh ground waters close to the surface. Excessive irrigation before blossoming is most dangerous in the southern regions of the Republic. Here, more than one irrigation should not be applied. But on sandy and gravelly soils with the ground water at considerable depth, it is absolutely necessary to apply 2-3 waterings. -- A.M. Smirnov

Card 2/2

SUBJECT : Cultivated Plants,

SOURCE : Ref Zhur -Biologiya, No. 5, 1959, No. 20394

AUTHOR :
INST. :
TITLE :

ORIG. PUB.:

ABSTRACT : its incorporation into the synthetic processes proceeds more rapidly than through the roots. Considerable amounts of phosphoric acid and hexosephosphates accumulate in the leaves and their outflow into the bolls is accelerated, leaf respiration rate is intensified and the osmotic pressure of the cell-sap is increased (from 7.4 to 9 atm.) which reduces the attacks of spider mites on the plants. --D.B.Vakhmistrov

CARD: 2/2

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