KOREN'KOV, D.A.

Supplementary spring fertilization of winter crops. Zemledelie 27 no.2:71-73 F '65. (MIRA 18:4)

1. Zamestitel' direktora po nauke Vsesoyuznogo nauchno-issledovatel'skogo instituta udobreniy i agropochvovedeniya.

SINYAGIN, I.I.; KOREN'KOV, D.A.; CHEREMISOV, G.A.; NAYDIN, P.G.; BARANOV, P.A.; KARPINSKIY, N.I.; BALYABO, N.K.; MAMCHENKOV, I.P.

Leonid Nikolaevich Barsukov, d. 1965; an obituary. Zemledelie 27 no.10:89 O '65. (MIRA 18:10)

FUGZAN, M.D., kand. tekhn. nauk; SADOVSKIY, G.I., kand. tekhn. nauk; ZHMURKO, P.T., gornyy inzh.; FILIPPENKOV, A.I., gornyy inzh.; KOREN'KOV, E.N., gornyy inzh.; SHABLYGIN, A.I., kand. tekhn. nauk

Searching for optimal parameters of the induced block caving system at the "Zapoliarnyy" mine. Gor. zhur. no.6:19-24 Je '65. (MIRA 18:7)

ZAYTSEV, Yu.N., inzh.; KOREN'KOV, G.D., inzh.

Introducing welding in carbon dioxide in the manufacture of forging presses. Svar. proizv. no.9:23-25 S '62. (MIRA 15:12)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo mashinostroyeniya.
(Power presses—Welding)
(Forging machinery—Welding)

KOREN'KOV, G.L.; USTINOVA, N.A.; LEVIT, G.Ye., red.

[Mineral and chemical raw materials of foreign countries] Gornokhimicheskoe syr'e zarubezhnykh stran. Moskva, Khimiia, 1965. 342 p. (MIRA 18:11)

KOREN'KOV, G.L.; DEDOV, A.G.

Economics of the chemical industry of the largest capitalist countries. Zhur.VKHO 9 no.1:86-101 '64. (MIRA 17:3)

KOREN'KOV, Georgiy Lukich; POTAPOV, A[illegible]ksandr Sergeyevich; DEDOV, Aleksey Grigor'yevich; KOSTIN, V.P., red.

[Economics of the chemical industry of capitalist countries; a manual] Ekonomika khimicheskoi promyshlennosti kapitalisticheskikh stran; spravochnik. Moskva, Ekonomika, 1965. 351 p. (MIRA 18:7)

KOREN'KOV, I.

We are striving to improve qualitative indices. Fin. SSSR 37 no.8:49-50 Ag '63. (MIRA 16:9)

1. Rukovoditel' dorozhnogo byuro ekonomicheskogo analiza na Zapadno-Sibirskoy zheleznoy doroge.
(Siberia, Western--Railroads--Management)

L 4208-66 EWT(m)

ACCESSION NR: AP5014070 UR/0241/65/000/005/0075/0078 35
615.849.7 : 614.898.5 33
B

AUTHOR: Yeliseyev, V. S.; Korenkov, I. P.; Golikov, V. Ya. 19

TITLE: Some aspects of protection from beta particle bremsstrahlung of some isotopes used in medicine 19

SOURCE: Meditsinskaya radiologiya, no. 5, 1965, 75-78

TOPIC TAGS: bremsstrahlung, beta particle, isotope, radiotherapy, oncology

ABSTRACT: The failure to take into account bremsstrahlung that arises from the absorption of beta particles by tissues and protective shields may result in large errors when determining the absorbed dose and in overexposing the technicians handling radioactive substances. This led the authors to determine the spectral composition of bremsstrahlung of various beta sources used in medicine--Sr^{89} (E_β=1.5Mev); P^{32} (E_β=1.708 Mev); Y^{90} (E_β=2.18 Mev). This bremsstrahlung arises from the absorption of beta particles in plexiglas, aluminum, lead, and combined shields. The authors found that the spectra of bremsstrahlung of beta sources can be used to calculate the absorbed doses and the amount of protection needed. Combined shields

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L 4208-66
ACCESSION NR: AP5014070

are best, the material with a low atomic number (plexiglas, aluminum) coming next to the source, then the material with a large number (lead), for the maximum intensity is inversely proportional to the atomic number while the maximum energy is proportional to the atomic number of the material of the shield. Lead-impregnated rubber or glass should not be the only shield against beta sources. Orig. art. has 2 figures.

ASSOCIATION: Vsessoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva i laboratoriya radiatsionnoy zashchity I Moskovskogo ordena Lenina meditsinskogo instituta im. I. M. Sechenova (All-Union Research Institute of Electrification of Agriculture and Laboratory of Radiation Protection, First Moscow Order of Lenin Medical Institute)

SUBMITTED: 29Mar64 ENCL: 00 SUB CODE: LS

NO REF SOV: 004 OTHER: 000

Card 2/2 DP

L 15791-65 EWG(j)/EWT(m)
ACCESSION NR: AP5009198 S/0241/65/010/003/0039/0044

AUTHOR: Korenkov, I. P.

TITLE: Calculating radiation protection against electron accelerators with maximum energy up to 30 Mev

SOURCE: Meditsinskaya radiologiya, v. 10, no. 3, 1965, 39-44

TOPIC TAGS: man, radiation protection, electron accelerator, radiation dosimetry, bremsstrahlung, electron radiation, photoneutron

ABSTRACT: The present study dosimetrically checked the accuracy of L. R. Kimel's methods for calculating radiation protection against various types of electron accelerator radiation: bremsstrahlung, accelerated electron radiation, photoneutron radiation, and scattered radiation. Determination of radiation protection against these radiation types was based on the dose rate for bremsstrahlung because of its wide energy spectrum. Dose rate for bremsstrahlung was calculated according to a simplification of L. R. Kimel's formula: $P = 0.5 \cdot Z \cdot E_{max}$, where P represents the dose rate per r/min

Card 1/3

at a distance of 1 m from the target with a mean current of 1 mA, Z represents the atomic number of the target, and E_{max} represents the maximum energy of the accelerated electrons. Calculation for other distances was made according to the law of inverse squares. Methods of converting the formula to find bremsstrahlung intensity and methods of finding radiation protection against the other types of radiation are described. The accuracy of the calculated radiation protection findings were checked on 10 electron accelerators. Bremsstrahlung dose rates were measured in the presence of radiation protection by Kaktus roentgenometers. Test results show that the calculated dose rates for bremsstrahlung exceed the dosimetric values by 57-60%. Thus, in calculating radiation protection against the various types of electron accelerator radiation with a maximum energy up to 30 Mev, allowances for error may be made only in overestimating radiation protection thickness. The accuracy of this method has proven satisfactory for practical purposes and is particularly helpful in ensuring safe working conditions for personnel in industry, research, medicine, and other fields in which electron accelerators are widely used. Orig. art. has: 1 figure, 3 tables, and 1 formula.

L 45791-65
ACCESSION NR: AP5009198

ASSOCIATION: Radiologicheskaya laboratoriya sanepidstantsii Moskvy (Radiology Laboratory of the Sanitation Epidemiological Station of Moscow)

SUBMITTED: 22Sep64 ENCL: 00 SUB CODE: LS, NP

NR REF SOV: 005 OTHER: 001

Card 3/3

NOVIKOV, Yu.V.; KORENKOV, I.P.

Lowering the level of radioactivity of the air through the discontinuation of nuclear weapon testing. Med.rad. 5 no.7:66-71 '60. (MIRA 13:12)

(RADIOACTIVE FALLOUT)

L 10547-66 EWT(m)/ETC/EPF(n)-2/EWG(m)/EWP(b)/EWA(m)-2/EWP(t) IJP(c) JD/JG
ACC NR: AT5023161 UR/2392/65/000/004/0131/0132

AUTHOR: Korenkov, I.P.

TITLE: Experimental verification of the accuracy of design calculations for shielding from the radiation of electron accelerators

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Voprosy dozimetrii i zashchity ot izlucheniy, no. 4, 1965, 131-132

TOPIC TAGS: electron accelerator, radiation dosimetry, radiation shielding, tungsten, concrete

ABSTRACT: The article compares design data for electron-accelerator shielding, calculated by a simplified method proposed by L.R. Kimel' et al. (IN: Pribory i metody analiza izlucheniy. Pod red. Ye.L. Stolyarovoy. Vyp. III. M., Gosatomizdat, 1962, p. 71), with the results of an experimental investigation made with a 2.5 Mev electron accelerator producing an average current of 160 μamp at a tungsten target of optimum thickness. The dosage rate of the bremsstrahlung behind the concrete shielding (density 2.3 g/cm3) was determined. The results are presented in tabular form and indicate that the calculated design of shielding against radiation from electron accelerators leads to an overestimate of 1.66 times on the average, that is to say, the thickness of the shielding can be decreased by one half value layer. Orig. art. has: 1 figure and 1 table.

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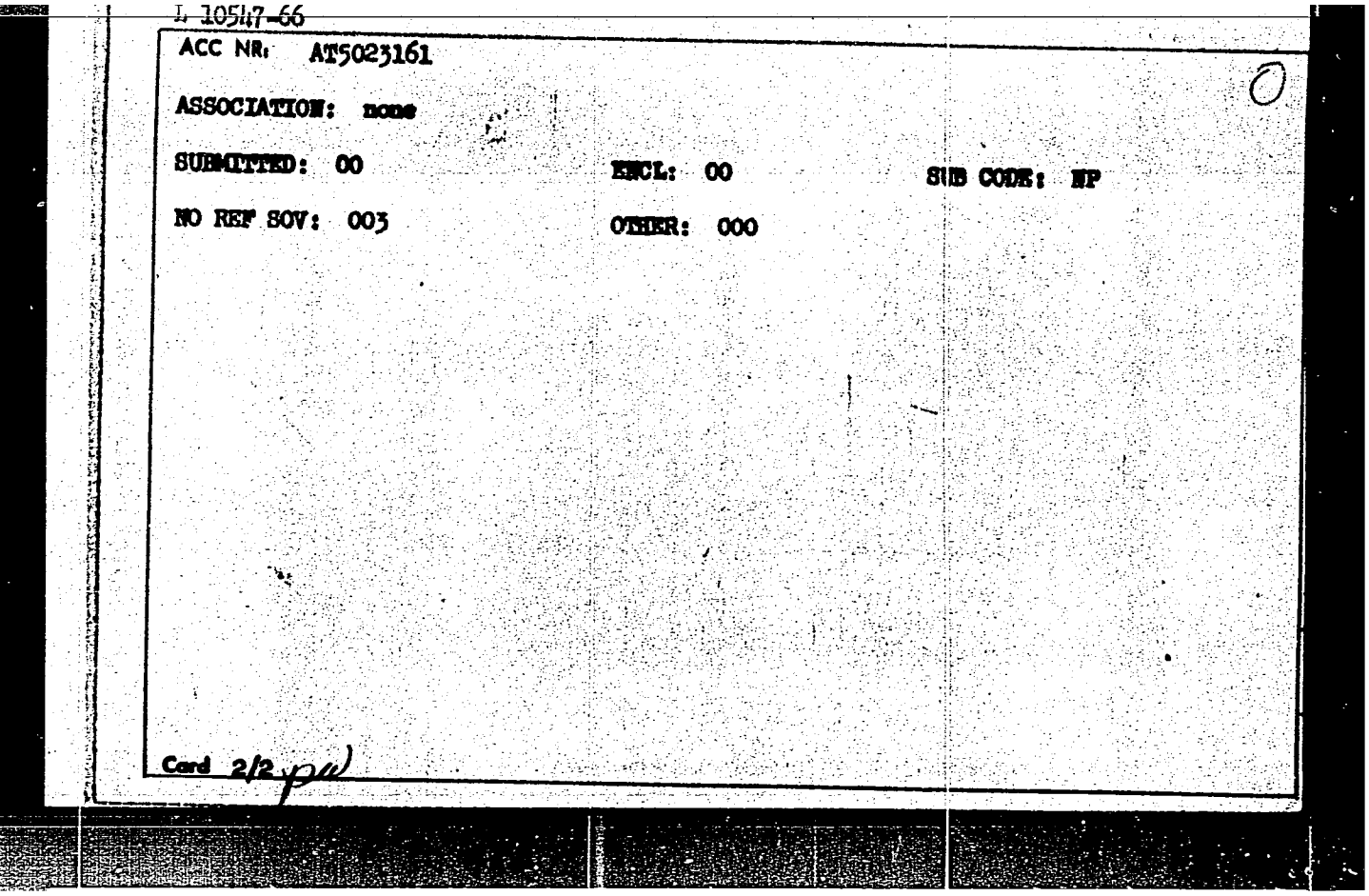


L 10547-66

ACC NR: AT5023161

ASSOCIATION: none

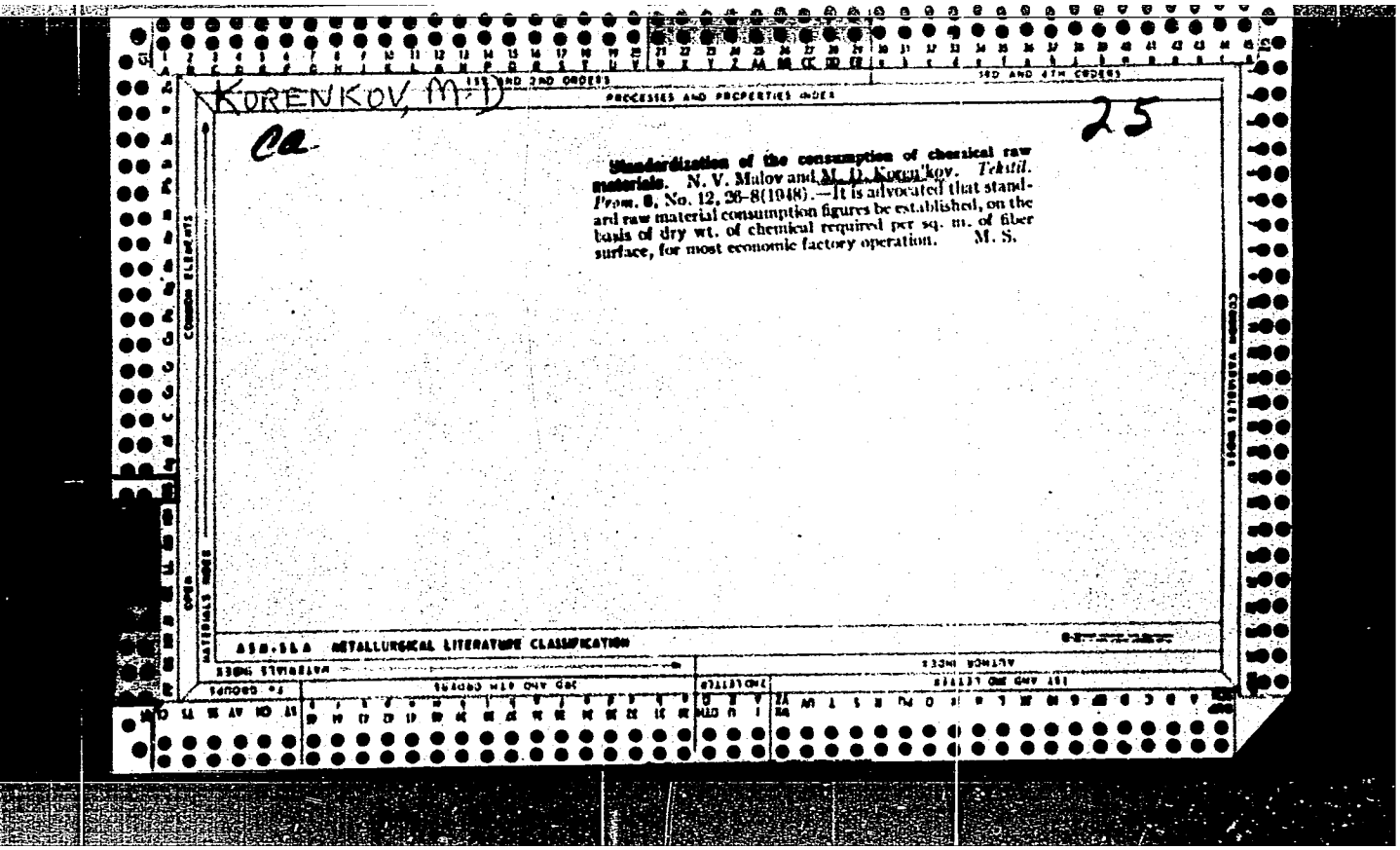
SUBMITTED: 00 ENCL: 00 SUB CODE: HP

NO REF SOV: 003 OTHER: 000

Card 2/2 pw

KORENKOV, I.S.

Basic trends in the organization of repair work. Mashinostroitel' no.6:13-14 Je '64. (MIRA 17:8)



KORENKOV, M.D.

Ca

25

Standardization of the consumption of chemical raw materials. N. V. Mulov and M. D. Korenkov. *Tekstil. Prom.* 8, No. 12, 26-8(1948).—It is advocated that standard raw material consumption figures be established, on the basis of dry wt. of chemical required per sq. m. of fiber surface, for most economic factory operation. M. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

GUSEV, P.I., starshiy inzh.; KOREN'KOV, K.Ye., inzh.

Investigating the work of the press used in briquetting whale meat meal. Trudy VNIRO 39:197-206 '59. (MIRA 14:6)
(Whaling—By-products) (Briquets)

KOREN'KOV, M.D.

Moscow textile workers prepare for the 22d Congress of the CPSU.
Tekst.prom. 21 no.9:24-26 S '61. (MIRA 14:10)

1. Nachal'nik ekonomicheskogo otdela Upravleniya tekstil'noy i trikotazhnoy promyshlennosti Mosgorsovnarkhoza.
(Moscow—Textile industry)

KOREN'KOV, M.D.

Planning according to the standard costs of manufacturing.
Tekst. prom. 25 no.9:15-17 S '65. (MIRA 18:10)

1. Nachal'nik planovo-ekonomicheskogo otdela upravleniya tekstil'noy promyshlennosti Soveta narodnogo khozyaystva Moskovskogo gorodskogo ekonomicheskogo rayona.

ROD'KINA, Z.I.; VASIL'CHENKO, L.F. [Vasyl'chenko, L.F.]; KOREN'KOV, P.M.

Processing of nitron in woolen (condenser) spinning systems. Leh. prom. no.3:3-6 Jl-S '64. (MIRA 17:10)

KORENKOV, P. S.

"A Modification in the Instruments for Operating on the Supramaxillary Sinus by Shturman's Method," Vest. Oto-rino-laringol., No.1, 1949

Otorhinolaryngological Clinic, L'vov Med. Inst.

KOREN'KOV, P. S.

"Penicillin Inhalation in Certain Inflammatory Diseases in the Laryngological Clinic." Cand Med Sci, L'vov State Medical Inst, L'vov, 1954. (KL, No 1, Jan 55)

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

KORNIL'KOV, P.S.

Cure in round-cell sarcoma of the palatine tonsil. Vest. oto-rin. 16 no.4:83-84 Jl-Ag '54. (MLRA 7:8)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. zasluzhennyy deyatel' nauki Bashkirskoy ASSR prof. S.V.Mikhaylovskiy) L'vovskogo meditsinskogo instituta.

(TONSILS, neoplasms,
*sarcoma, round cell, ther.)
(SARCOMA,
*tonsils, ther.)

KOREN'KOV, P.S., kandidat meditsinskikh nauk

Technic of aerosol inhalation in experimentation. Vest.oto-rin. 18 no.5:23-26 S-O '56. (MIRA 9:11)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - zasluzhennyy deyatel' nauki BASSR prof. S.V.Mikhaylovskiy) i kafedry farmakologii (zav. - prof. Yu.A.Petrovskiy) L'vovskogo meditsinskogo instituta.
(INHALATION THERAPY, exper.
admin. technic for dogs)

KOREN'KOV, P.S., kandidat meditsinskikh nauk

Treating cancer of the larynx. Vest. oto-rin. 19 no.1:111 Ja-F '57
(MLRA 10:4)

1. Iz kliniki bolezney ukha, gorla i nosa (zav.-zasluzhennyy deyatel' nauki Bashkirskoy ASSR prof. S.V. Mikhaylovskiy) L'vovskogo meditsinskogo instituta.
(LARYNX--CANCER)

KOREN'KOV, P., dots. (L'vov)

"Prevention and treatment of respiratory diseases by drug inhalation" by M.IA. Polunov. Vrach.delo no.7:771 Jl'58 (MIRA 11:9)
(RESPIRATORY ORGANS--DISEASES)
(INHALATION THERAPY)

KORENKOV, Viktor, laureat Stalinskoy premii; KOLESNIK, P.A., redaktor; IOFFE, M.L., redaktor; PETROVSKAYA, Ye., tekhnicheskiy redaktor

[Driving the ZIS-150 truck] Opyt raboty za rulem avtomobilia ZIS-150. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1951. 49 p. (MLRA 8:3)
(Automobile drivers) (Motor trucks)

KOREN'KOV, V.A.

Assembly-line harvesting of sugar beets. Znan. ta pratsia no.4:8 Ap '59. (MIRA 12:10)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. Lenina.
(Sugar beets--Harvesting)
(Harvesting machinery)

KOREN'KOV, V.A.; BESSARABOV, V.I.

Continuous method for harvesting sugar beets and their storage and preparation. Sakh.prom. 33 no.7:60-64 Jl '59.
(MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva (VIM).
(Khmel'nitskiy Province--Sugar beets)

KOREN'KOV, V.A.; BESSARABOV, V.I.

Continuous harvesting of sugar beets in the Kuban. Sakh. prom. 35 no.8:56-59 Ag '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva.
(Kuban--Sugar beets--Harvesting)

KOREN'KOV, V.A.; BESSARABOV, V.I., kand.sel'skokhozyaystvennykh nauk

Continuous-flow techniques in harvesting sugar beets. Mekh. i elek. sots. sel'khoz. 20 no.3:9-13 '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva. 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (for Koren'kov).
(Sugar beets)

KOREN'KOV, V.A.

Trends in the development of sugar beet harvesting combines.
Trakt. i sel'khozmash. 32 no.10:27-32 O '62. (MIRA 15:9)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina.
(Harvesting machinery) (Sugar beets)

LUK'YANENKO, P.P., akademik (Krasnodar); CHERNENKO, S.F., prof. (Michurinsk); LITOVCHENKO, G.R., knad. sel'skokhozyaystvennykh nauk; KOREN'KOV, V.A.; SELIVANOV, A.I., prof.; CHERNIGOVSKIY, V.N.; DUBROVSKIY, A.A.; BAKHTADZE, K.Ye., akademik (Stantsiya Chakva)

Great strides of Soviet science. IUn. nat. no.11:3, 27, 31, 33, 35-36 O '62. (MIRA 16:5)

1. Chleny-korrespondenty Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (for Koren'kov, Slivanov). 2. Deystvitel'nyy chlen Akademii nauk SSSR (for Chernigovskiy). 3. Rukovoditel' laboratorii Vsesoyuznogo nauchno-issledovatel'skogo instituta mekhanizatsii sel'skogo khozyaystva (for Dubrovskiy).
(Science news)

KOREN'KOV, V.A. (Krasnoyarsk)

Subjugation of the Yenisey River. Priroda 51 [i.e. 52] no.5: 102-103 '63. (MIRA 16:6)

(Krasnoyarsk Hydroelectric Power Station)

KOREN'KOV, V.A. (Krasnoyarsk)

Artificial delay of ice run on the Yenisey River. Priroda 53 no.7:115 '64. (MIRA 17:7)

KOREN'KOV, V. Ye., Eng. Cand. Tech. Sci.

Dissertation: "Standardization of Mass Residential Building." Central Sci Res Inst of Industrial Structures - "TsNIPS" 27 Feb 47.

SO: Vechernyaya Moskva, Feb, 1947 (Project #17836)

KOREN'KOV, V. YE.

42234. KOREN'KOV, V. YE. K voprosu kompleksnogo resheniya planirovak i nasushchikh konstruktsiy vysotnykh zdaniy. Byulleten' stroit. Tekhniki, 1948, No. 22, c. 16-21.

So: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

KOREN'KOV, V.

29000 Tipovye sektsii dlya mnogoetazhnogo zhilishchnogo stroitel'stva v Leningrage. Arkhitektura i stroit-vo, 1949, No. 8 S. 14-15

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

KOREN'KOV, V.Ye.

[Standardization in the construction of general housing units] Tipizatsiia massovogo zhilishchnogo stroitel'stva. Moskva, Gos. izd-vo lit-ry stroit. i arkhitekture, 1952. 230 p. (MLRA 7:2)
(Dwellings)

1. Koren'kov, V.Ye

2. USSR (600)

4. Housing

7. Further development of the mass production principle in planning standardized dwelling. Biul. stroi. tekh. 9 no.24, 1952.

9. Monthly List of Russian Accessions. Library of Congress, March 1953, Unclassified.

KOREN'KOV, V.Ye., kandidat tekhnicheskikh nauk, redaktor; USTRUGOVA, N.L., redaktor

[Residential construction (2-5 stories) from standard plans; collection of articles] Zhilishchnoe stroitel'stvo po tipovym proektam (2-5 etazhei); sbornik statei. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 77 p. (MLRA 7:9)
(Apartment houses)

KORENKOV, V.

PLESSEYN, B.; SHERENTSIS, A. pri uchastii: BAYAR, O.; BUKHAROV, A.; KOREN'KOV, V.; LEVANTIN, N.; MAKOTINSKIY, M.; ROZANOV, N.; KHAZANOV, D. FRIDBERG, G.V., red.izd-va; TOKER, A.M., tekhn.red.

[Problems of unification and a unified catalog of construction elements for apartment houses and public buildings; a report] Voprosy unifikatsii i edinyi katalog stroitel'nykh izdelii dlia zhilishchnogo i kul'turno-bytovogo stroitel'stva; soobshchenie... [Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 1955] 24 p. [Bound with Voronkov,A. Industrializatsiia otdelochnykh rabot. Moskva, 1955] (MIRA 11:6)

(Building) (Standards, Engineering)

ZHUKOV, K.V., kandidat arkhitektury; NESTEROVA, Z.N., arkhitektor; KOREN'KOV, V.[illegible], kandidat tekhnicheskiy nauk, redaktor; PALLADINA, G.A., arkhitektor, redaktor izdatel'stva.

[Problems in the architecture of panel-built apartment houses] Voprosy arkhitektury panel'nykh zhilykh domov. Pod obshchei red. V.E.Koren'kova. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit. 1956. 69 p. (MLRA 10:2)
(Precast concrete construction)
(Apartment houses)

KOREN'KOV, V.Ya.; KHAZANOV, D.B.; SHERENTSIS, A.A.; KUZNETSOV, G.F., redaktor; DMITRIYEVA, N.L., redaktor izdatel'stva; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Unification of three-dimensional planning units and construction elements of mass-produced apartment houses and public buildings] Unifikatsiia ob"emno-planirovochnykh i konstruktivnykh elementov zhilykh i obshchestvennykh zdanii massovogo stroitel'stva. Pod obshchei red. G.F.Kuznetsova. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 140 p. (MLRA 9:9)

1. Chlen-korrespondent Akademii arkhitektury SSSR (for Kuznetsov) (Building) (Architecture--Designs and plans)

KOREN'KOV, Vasiliy Yeremeyevich, kandidat tekhnicheskikh nauk; MEYERSON, D.S., kandidat arkhitektury; MOROZOVA, G.V., redaktor; AGRANOVSKIY, Ye.A., tekhnicheskiy redaktor

[Standardization of houses and climatological factors] Tipizatsiia zhilishcha i prirodno-klimaticheskie usloviia. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 198 p. (MLRA 10:2)
(Architecture and climate)

KOREN'KOV, V. Ye., Doc of Tech Sci -- (diss) "Micro Climate of a Housing Unit," Moscow, 1959, 26 pp (Academy of Const and Architecture), (KL, 1-60, 121)

KOREN'KOV, V., kand.tekhn.nauk

Ways of increasing the quality and lowering costs of housing construction in southern regions. Zhil.stroi. no.11:14-16 '58. (MIRA 12:6)

(Russia, Southern—Apartment houses)

KOREN'KOV, V.Ye., kand.tekhn.nauk

New method for calculating and evaluating the microclimate of dwellings. Izv.ASiA no.4:131-139 '59. (MIRA 13:6)
(Microclimatology)

KORNEYKOV, V.Ye., kand.tekhn.nauk

Standard minimum height of ceilings. Zhil. dom no.1:64-67 '60.
(MIRA 14:1)

(Apartment houses)
(Ceilings)

KORSN'KOV, V., kand.tekhn.nauk

Exterior walls of apartment houses in the South. Zhil. stroi. no. 10:14-15 '60. (MIRA 13:9)

(Russia, Southern--Walls)

Koren'kov, Vasiliy Yeremeyevich
Tipizatsiya Massovogo Zhilishchnogo Stroitel'stva.
Moskva, Gostroyizdat, 1952.
230 p. Illus.
Bibliography: p. [228]

Koren'kov, Vasiliy Yeremeyevich
Tipizatsiya Zhilishcha I Prirodno-klimaticheskiye Usloviya. Moskva, Gosstroyizdat, 1956.
198 (2) p. Illus. Map, Tables. 23 cm.
Bibliography: p. 198-[199]

L 12969-63 EPR/EWP(j)/EPF(c)/EWT(m)/BDS AFFTC/ASD Ps-4/Pc-4/Pr-4
RM/WW

ACCESSION NR: AP3000403 S/0191/63/000/005/0053/0056 75 73

AUTHOR: Voloshenko-Klimovitskiy, Yu. Ya.; Belyayev, Yu. A.; Korenkov, Yu. A.

TITLE: Investigation of the impact stretch of glass-fiber compositions at normal and low temperatures

SOURCE: Plasticheskiye massy*, no. 5, 1963, 53-56

TOPIC TAGS: impact tension, glass-fiber compositions, phenol-formaldehyde resins

ABSTRACT: Methods for assessing the dynamic properties of viscous fiber-glass compositions leave much to be desired; only their impact strength has been determined. The authors have devised a method for testing the impact tension of these materials at normal (+20C) and low (-196C) temperatures, using equipment at the Laboratoriya prochnosti mashinostroitel'nykh materialov (Machine-building Materials Strength Laboratory) of IMASh GKA i M. Used for the tests were two experimental formulations of AG-4S (phenol formaldehyde resin with a filler of oriented glass fibers, equistable and unidirectional, respectively). Because of the low plasticity of these materials, only the stress impulse need be recorded. Hence the apparatus required is less complicated than in the case of metals. A single-beam impulse oscillograph (10-4) gave satisfactory results. Low temperature increased the strength of the AG-4S formulations, even during impact stress. The increase was negligible, how-

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L 12969-63
ACCESSION NR: AP3000403

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ever, when cold and stress were applied simultaneously, as compared with their separate application; in some cases, in fact, strength was reduced when low temperature and stress were brought to bear simultaneously. "The authors thank Ye. I. Stepany*chev and Ye. F. Vasil'yev for their assistance in procuring the samples of glass-fiber compositions used in the studies." Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 10Jun63 ENCL: 00

SUB CODE: MA NO REF SOV: 004 OTHER: 000

Card 2/2

YAVORSKIY, N.P. [IAvors'kyi, M.P.]; BABICH, Ye.M. [Babych, IE.M.]; KOREN'KOVA, E.P.

Photocolorimetric method for determining quinosol in some drugs. Farmatsev. zhur. 19 no.4:29-34 '64. (MIRA 17:11)

1. Kafedra farmatsevticheskoy khimii L'vovskogo meditsinskogo instituta (zaveduyushchiy kafedroy - prof. M.M. Turkevich).

KOREN'KOVA, O.P.

Melting temperatures of complex linear polyesters with stable and varying compositions. Khim. nauka i prom. 3 no.2:287-288 '58.
(MIRA 11:6)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Esters) (Melting points)

KOREN'KOVA, O.P.

Correlation of temperatures of fusion and temperatures of vitrification of aliphatic polyesters of variable and constant composition. Khim.nauk i prom. 3 no.5:675-677 '58.

(Esters) (Crystallization) (MIRA 11:11)

AUTHOR: Koren'kova, O.P.

TITLE: Investigations of Ternary Systems and of the Process of Intermolecular Exchange of Polyesters (Issledovaniya troynykh sistem i protsessa mezhmolekulyarnogo obmena poliefirov)

SOV/63-3-6-26/43

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1958, Vol III, Nr 6, pp 824-825 (USSR)

ABSTRACT: The method of phase analysis developed by N.S. Kurnakov was applied to the investigation of linear aliphatic polyesters described in [Ref. 2]. The differential-thermal analysis was used to investigate the process of intermolecular exchange of polyesters. It has been shown that the intermolecular exchange of homogeneous polyesters leads to thermodynamic equilibrium and to the formation of a copolymer. There are 2 graphs and 4 Soviet references.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental-organic Compounds of the USSR Academy of Sciences)

SUBMITTED: September 12, 1958

Card 1/1

SOV/70-4-3-16/32

AUTHORS: Koren'kova, O.P. and Pokrovskiy, N.L.

TITLE: Investigation of the Physico-chemical Properties of Linear Aliphatic Polyesters

PERIODICAL: Kristallografiya, 1959, Vol 4, Nr 3, pp 386-392 + 2 plates (USSR)

ABSTRACT: Experimental data are given which characterise the phase transformations and structural properties of the polyesters obtained from aliphatic dicarboxylic acids and glycol. To elucidate the phase states of the polymers, thermal, thermographic, X-ray and microscopic methods of analysis have been applied, supplemented by the calorimetric determination of the latent heat of crystallisation of the polyesters. X-ray data confirmed the existence of long range order and crystal-optical studies showed that, depending on their chemical structures, polyesters crystallise as spherulites of two types. The polyesters were obtained by the direct condensation, without catalysts, of the poly-methylene series of acids, from succinic to sebacic, with various glycols. In appearance, the polymers were white opaque solids or transparent viscous liquids.

Cardl/4

Investigation of the Physico-chemical Properties of Linear Aliphatic Polyesters

Their molecular weights varied between 3 000 and 10 000. Thermal analysis and D.J.A. diagrams are reproduced and show the material to behave like low-molecular-weight substances forming Bertholide compounds. A phase diagram supports this conclusion. Heat changes accompanying phase changes were measured calorimetrically, the heat of crystallisation of these polyesters being about 0.30 kcal/g of polymer. Data on 7 different materials are tabulated. X-ray powder photographs were taken of each specimen, some monochromatised by reflexion from pentacrythritol, but results were not very clear because line widths depended on several factors besides crystallite size. Materials were studied with an MIN-4 polarising microscope where the natures of the spherulitic particles could be readily seen to be of two kinds: a) radial rays and b) concentric layers. Polymers with spherulites of the latter structure include molecules of di- and tri-ethylene glycol which make the chains more flexible because of the free rotation possible about the C-O-C ester bonds. Polymers with more rigid

Investigation of the Physico-chemical Properties of Linear Aliphatic Polyesters

mechanical deformation on the crystallisation kinetics was studied. It was established that grinding the preparations at the time of crystallisation did not eliminate the spherulites but promoted the formation of more and finer spherulites which occurred in chains. The reasons for spherulite formation are still obscure and must be examined further as they are of great importance. There are 5 figures, 1 table and 18 references, of which 14 are Soviet, 3 English and 1 German.

ASSOCIATIONS: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova (Moscow State University imeni M.V. Lomonosov)
Institut kristallografii AN SSSR (Institute of Crystallography of the Ac.Sc., USSR)

KOREN'KOVA, O. P., CAND CHEM SCI, "ON THE PROBLEM OF the study ~~INVESTIGATION~~ OF THE Physicochemical ~~PHYSICAL AND CHEMICAL~~ PROPERTIES OF LINEAR ALIPHATIC POLYESTERS." MOSCOW, 1960. (MIN OF HIGHER AND SEC ED RSFSR. MOSCOW INST OF Fine CHEM TECHNOLOGY IM M. V. LOMONOSOV). (KL, 2-61, 200).

KOREN'KOVA, O.P.; KVASHA, V.B.

Alkylene carbonates and methods of using them. Khim. prom. no.9:33-38 S '61. (MIRA 15:1)
(Carbonic acid)

L 45451-66 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AR6026774 (A) SOURCE CODE: UR/0081/66/000/003/S094/S094

AUTHOR: Otopkova, M. A.; Koshelev, F. F.; Donskaya, M. M.; Unkovskiy, B. V.; Koren'kova, O. P. 54 B

TITLE: Chemical protection of rubbers from the action of ozone

SOURCE: Ref. zh. Khimiya, Part II, Abs. 8S672

REF SOURCE: Sb. Sintez i issled. effektivn. stabilizatorov dlya polimern. materialov. Voronezh, 1964, 125-137

TOPIC TAGS: ozone, antioxidant additive, amine, natural rubber

ABSTRACT: The effect of antiozonants (AO) of the classes of p-phenylenediamine (I), p-anisidine and thiourea on the O_3-resistance of rubbers from NK was studied as a function of the nature of the substituent at the N atom. Particularly effective are N,N'-di-sec-butyl-I and its disulfide derivatives. On the basis of an analysis of the influence of the structure of AO on the effectiveness of their action, it is postulated that the mechanism of protective action of AO is determined by the presence of the N atom in their molecules and by the degree of its basicity, determined by the nature of the substituents. M. Otopkova. [Translation of abstract]

SUB CODE: 07,11

LS
Card 1/1

KOREN'KOVA, R.G.; RED'KO, R.N.

Characteristics of the therapeutic muds in the lakes of North Kazakhstan Province. Izv. AN Kazakh. SSR. Ser. med. nauk no.1: 72-79 '64 (MIRA 17:7)

KARASEVA, A.F.; GULYAYEV, P.N.; LEBEDEVA, Ye.P.; NOVOZHILOVA, N.G.; PEROVA, V.A.; KOREN'KOVA, S.Ya.

Establishing new prices for the production of industrial rubber goods. Kauch. i rez. 22 no.6:44-47 Je '63. (MIRA 16:7)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.
(Rubber goods--Prices)

KARASEVA, A.F.; KOREN'KOVA, S.Ya.

Production costs and profits of the plants of the Industrial Rubber Industry during 1962. Kauch. i rez. 22 no.12:41-43 D '63. (MIRA 17:9)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

KOREN'KOVA, V.M., aspirantka

Introducing the concept of Boolean functions to the programmist school. Trudy Chel. gos. ped. inst. 2:109-119 '64. (MIRA 18:9)

1. Kafedra vysshey matematiki Chelyabinskogo gosudarstvennogo pedagogicheskogo instituta.

KOREN'KOVA, Z.Ya. (L'vov, ul.Karmelyuka, d.9 kv.3)

Transplantation of ureters into the reservoir created from the descending intestine and the rectum. Nov. zhir. arkh. no.9:27-31 S '61. (MIRA 14:10)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. G.G.Karavanov) i kafedra normal'noy fiziologii (zav. - prof. Ya.P.Sklyarov) L'vovskogo meditsinskogo instituta.
(URETERS—TRANSPLANTATION)

KOREN'KOVA, Z.Ya.

Sharp foreign bodies in the esophagus. Zhur.ush.nos.i gorl.bol. 23. no.3:79-80 My-Je'63. (MIRA 16:7)

1. Iz kafedry fakul'tetskoy khirurgii lechebnogo fakul'teta (zav. prof. G.G.Karavanov) L'vovskogo meditsinskogo instituta.
(ESOPHAGUS—FOREIGN BODIES)

KORENMAN, A.V.

Specialization of canning plants. Kons.i ov.prom. 14 no.12: 28-29 D '59. (MIRA 13:3)

1. Stalingradskiy sovnarkhoz.
(Canning industry)

KOHENMAN, A.Ya.

Bank credit for expenses in the mechanization and technological improvement of production. Mas1.-zhir.prom. 19 no.7:1-2 '54. (MLRA 8:1)

1. Glavrasshirmaslo.
(Oil industries--Finance)

BALASHOV, V.V.; DOLESHAL, P.; KOREMAN, G.Ya.; KOROTKIKH, V.L.; FETISOV, V.N.

Effect of "shape resonances" on channel coupling in nuclear reactions. IAd. fiz. 2 no.4:643-656 O '65. (MIRA 18:11)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.

KORENMAN, G.Ya.; ERAMZHYAN, R.A.

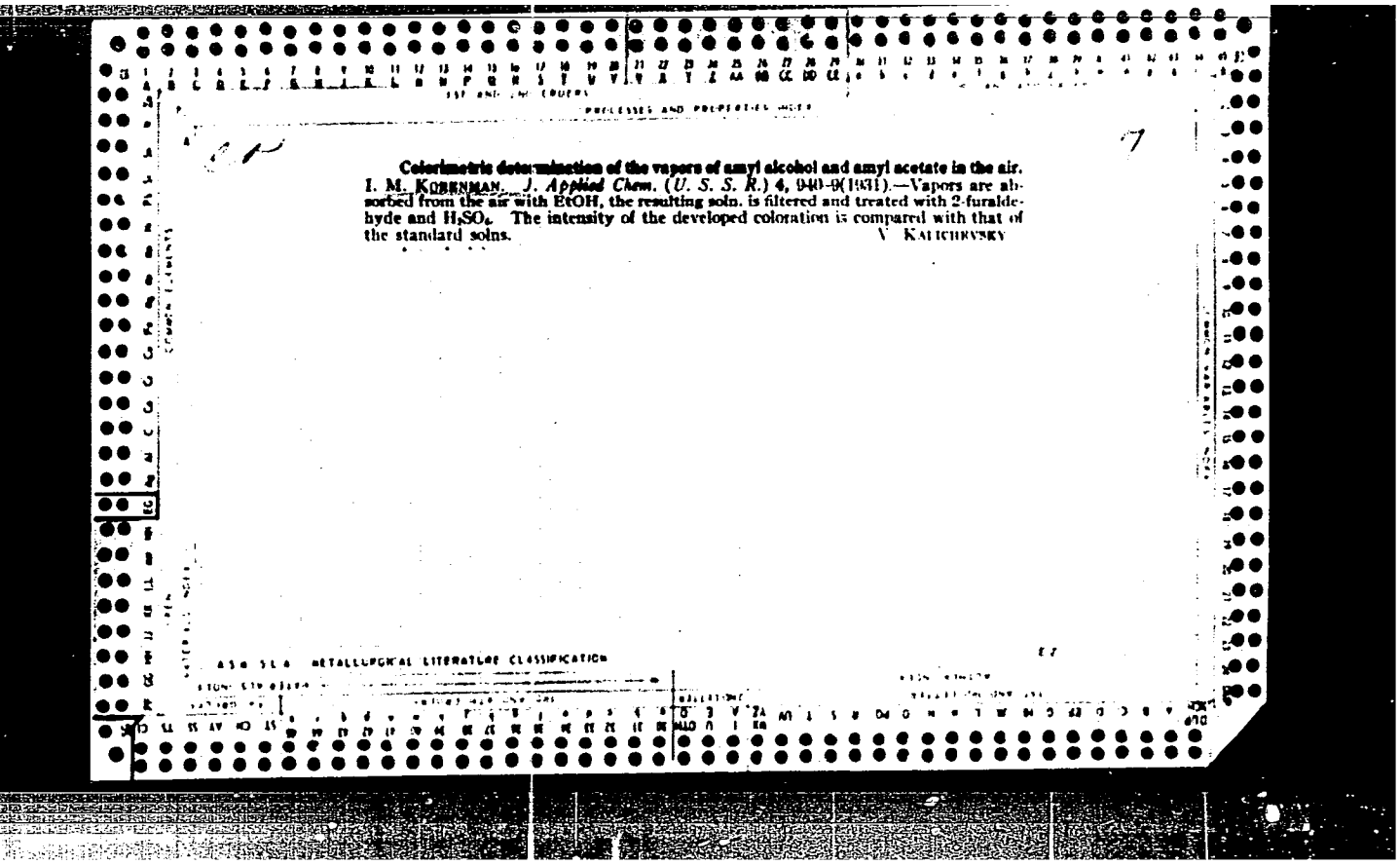
Angular distribution of recoil nuclei in the reaction $\mu^- + He^3 \rightarrow H^3 + \nu$. Zhur. eksp. i teor. fiz. 45 no.4: 1111-1113 O '63. (MIRA 16:11)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.

BALASHOV, V.V.; KORENMAN, G.Ya.; MACHARADZE, T.S.

Partial transitions in the photoproduction of charged $\tilde{\pi}$-mesons on light nuclei. IAd. fiz. 1 no.4:668-675 Ap '65. (MIRA 18:5)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.



Colorimetric determination of the vapors of amyl alcohol and amyl acetate in the air. I. M. KOBENMAN. *J. Applied Chem.* (*U. S. S. R.*) 4, 940-9(1931).—Vapors are absorbed from the air with EtOH, the resulting soln. is filtered and treated with 2-furaldehyde and H_2SO_4. The intensity of the developed coloration is compared with that of the standard solns. V. KALICHEVSKY

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cu

7

Sensitive microchemical reactions for copper, copper salts and for other heavy metals. I. M. Korenman. *J. Chem. Ind.* (Moscow) 8, 276(1931); cf. *C. A.* 24, 801; 25, 2935.

V. D. Karpenko

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

KORENMAN, I. M.

Komarovskii, A. S., Filonova, V., and Korenman, I. M.

Use of chloramine (sodium salt of p-toluenesulfochloramine) in volumetric analysis.

J. Applied Chem. (USSR), Vol. 6, 1933, pp. 742-48

Chem. Abst., Vol. 28:36145

In aq. solns. of chloramine an appreciable quantity of NaOCl is formed by hydrolysis, but the aq. soln. is stable if protected from light. Chloramine solns., therefore, can be used to replace the more expensive I_2 and the less stable solns. of Cl_2 or NaOCl. Thus ferrocyanide can be oxidized to ferricyanide the excess of chloramine soln. detd. by adding $NaHCO_3$, a very little KI and starch and titrating with Na arsenite soln. Similarly CNS-is oxidized to CNO-and SO_4-and the excess chloramine ititrated. Hydrazine is oxidized to N_2 and can be titrated directly with the chloramine reagent after adding $NaHCO_3$, a little KI and starch. H_3PO_2 can be oxidized to H_3PO_3 by chloramine in 0.24 N H_2SO_4. After 24 hrs. add 2 g. of KI and titrate with thiosulfate. CS_2 dissolved in 5% KOH in EtOH is oxidized by chloramine to K xanthogenate and test shows that the reaction is nearly quant.

1ST AND 2ND ORDERS

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RC

Determination of fluorine. I. M. Korenman (J. Appl. Chem. Russ., [illegible], 6, [illegible] 887).—Small quantities of F are determined with an error of ±10% by comparing the coloration given by the solution with 5 c.c. of 0.01% $ZrOCl_2$, 2 c.c. of 3% H_2O_2, and H_2O to 25 c.c. with that given by a standard solution. < 0.003 mg. HF per litre of air can be detected by the change in colour from violet to yellow of a test-paper dipped in Zr alizarin lake and HCl. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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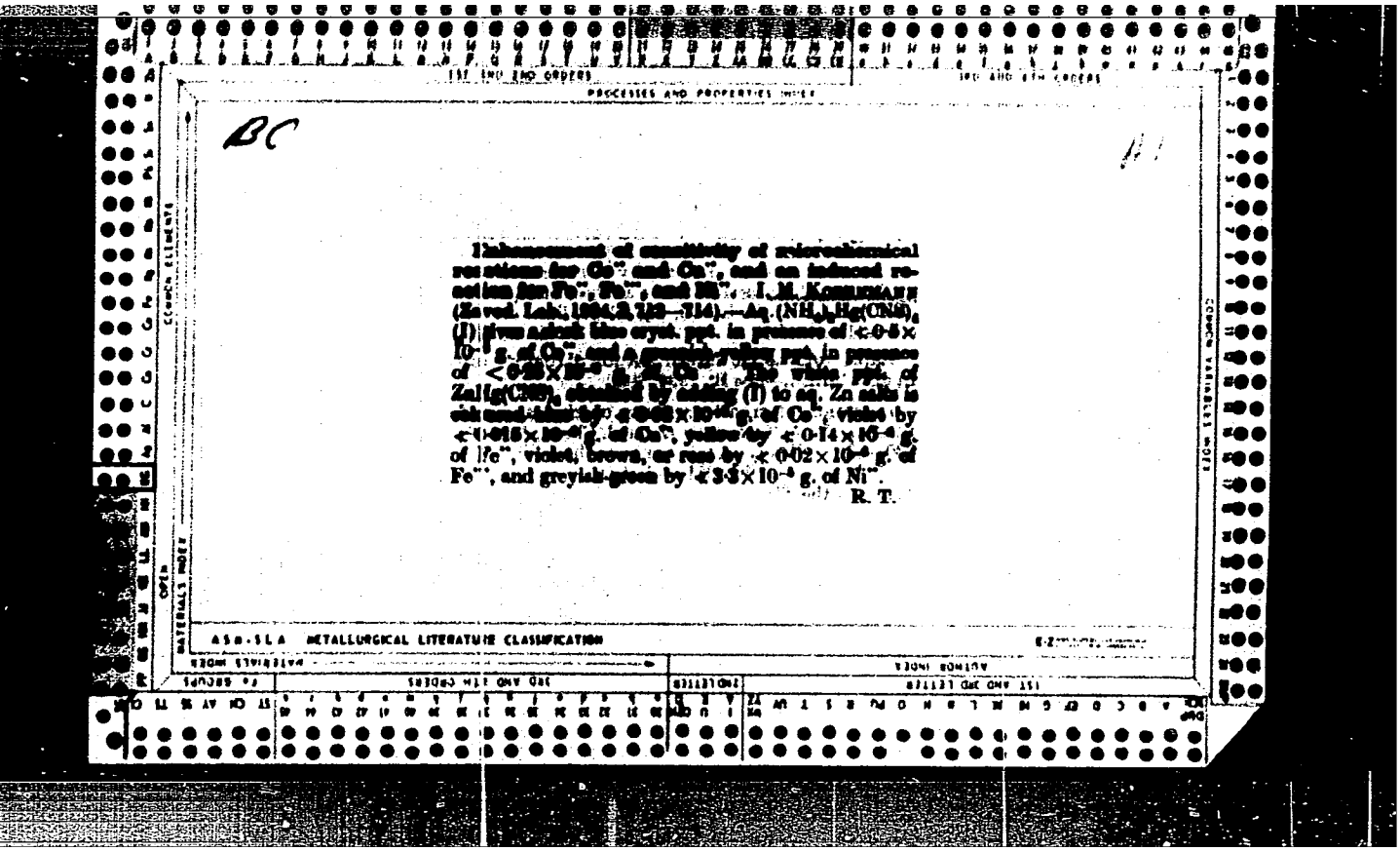
BC

A-3

Determination of small quantities of acetone in presence of other substances. I. N. KORENMAN (J. Appl. Chem. Russ., 1933, 6, 1002—1004). $COMe_2$ (0·00005—0·001 mg. per 100 c.c.) is determined colorimetrically by the Frommer–Emilowicz reaction (salicylaldehyde and NaOH). A no. of org. solvents do not interfere. R. T.

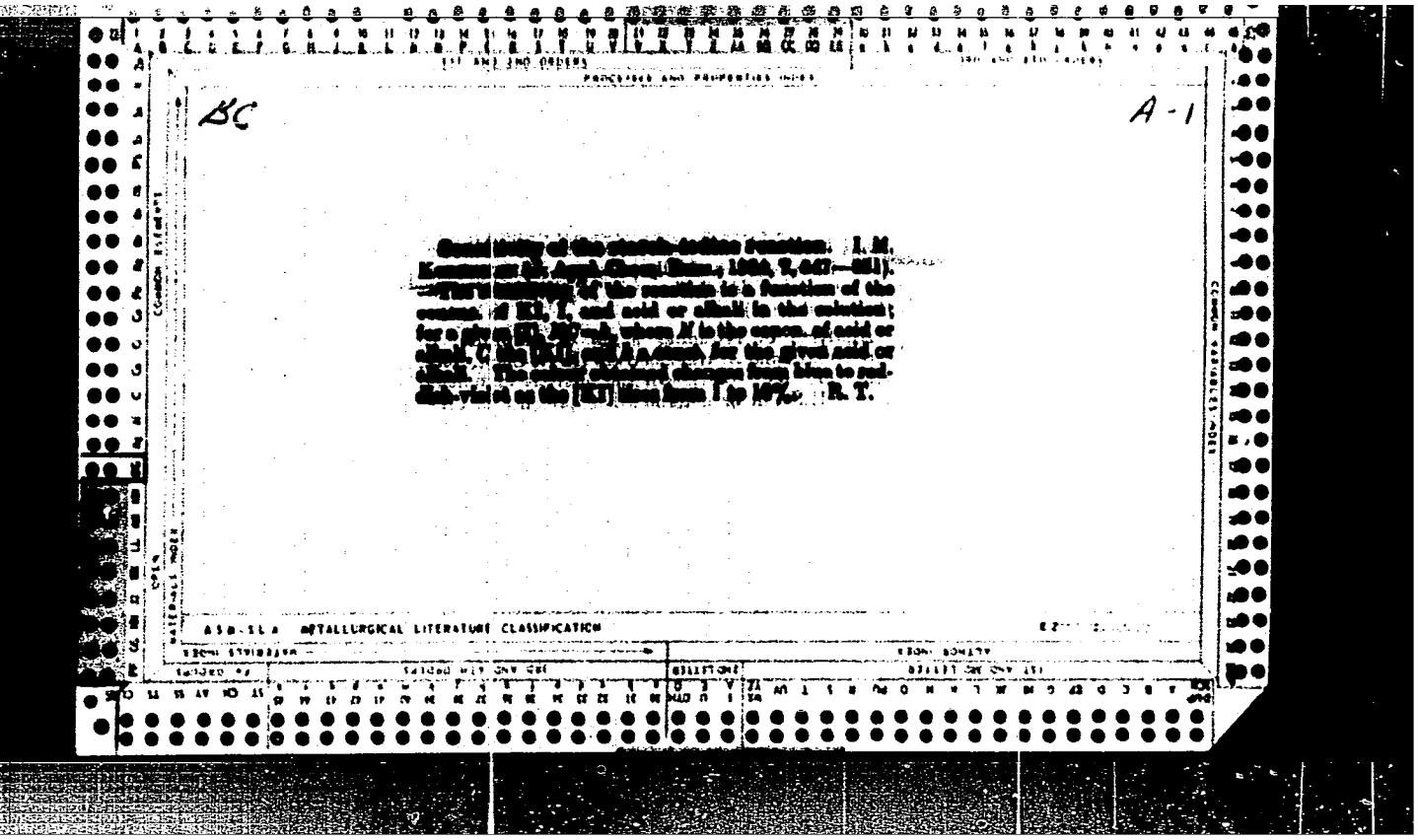
METALLURGICAL LITERATURE CLASSIFICATION



BC

Enhancement of sensitivity of microchemical reactions for Co^{++} and Cu^{++}, and an induced reaction for Fe^{++}, Fe^{+++}, and Ni^{++}. I. M. Korenman (Zavod. Lab., 1954, 20, 712–714).—Aq. $(NH_4)_2Hg(CNS)_4$ (I) gives a dark blue cryst. ppt. in presence of $<0.5\times10^{-6}$ g. of Co^{++}, and a greenish-yellow ppt. in presence of $<0.28\times10^{-6}$ g. of Cu^{++}. The white ppt. of $ZnHg(CNS)_4$ obtained by adding (I) to aq. Zn salts is coloured blue by $<0.02\times10^{-6}$ g. of Co^{++}, violet by $<0.015\times10^{-6}$ g. of Cu^{++}, yellow by $<0.14\times10^{-6}$ g. of Fe^{++}, violet, brown, or rose by $<0.02\times10^{-6}$ g. of Fe^{+++}, and greyish-green by $<3.3\times10^{-6}$ g. of Ni^{++}.

R. T.



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BC

Rapid micro-determination of manganese. I. M. Korenman (Zavod. Lab., 1934, 3, 699—702, and [illegible] Ibid., 15, 289—304).—1 c.c. of 10% $(NH_4)_2S_2O_8$, 0·5 c.c. of 2N-HNO_3, 1 c.c. of 0·1N-$AgNO_3$, and H_2O to 5 c.c. are added to 1—2 c.c. of the solution, which is then heated at 100° for 5 min. 0·01—0·001N-$KMnO_4$ (I) is added to 5 c.c. of H_2O in a similar test-tube until the intensity of coloration matches that of the test, when the vol. of (I) taken corresponds with the Mn content of the solution examined. Fe'', Fe''', Ni, Co, Zn, Al, and Cu do not interfere, but Cr should be absent. In presence of a very great excess of Fe''', H_3PO_4 should be added. An alternative method consists in titrating the MnO_4' formed with 0·01N-H_3AsO_3, applying an empirical correction of [illegible] to the burette reading. In presence of Co, $Co(NO_3)_2$ may be added to the comparison solution also. Pb is pptd. as $PbSO_4$. In presence of Cl', excess of Ag must be added. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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K[illegible], I. M. *Brief Text-Book of Qualitative Microchemical Analysis.* [In Russian.] Second Edition. Pp. 101. 1935. Leningrad: Onti. (Rbl. 2.)

COMMON ELEMENTS

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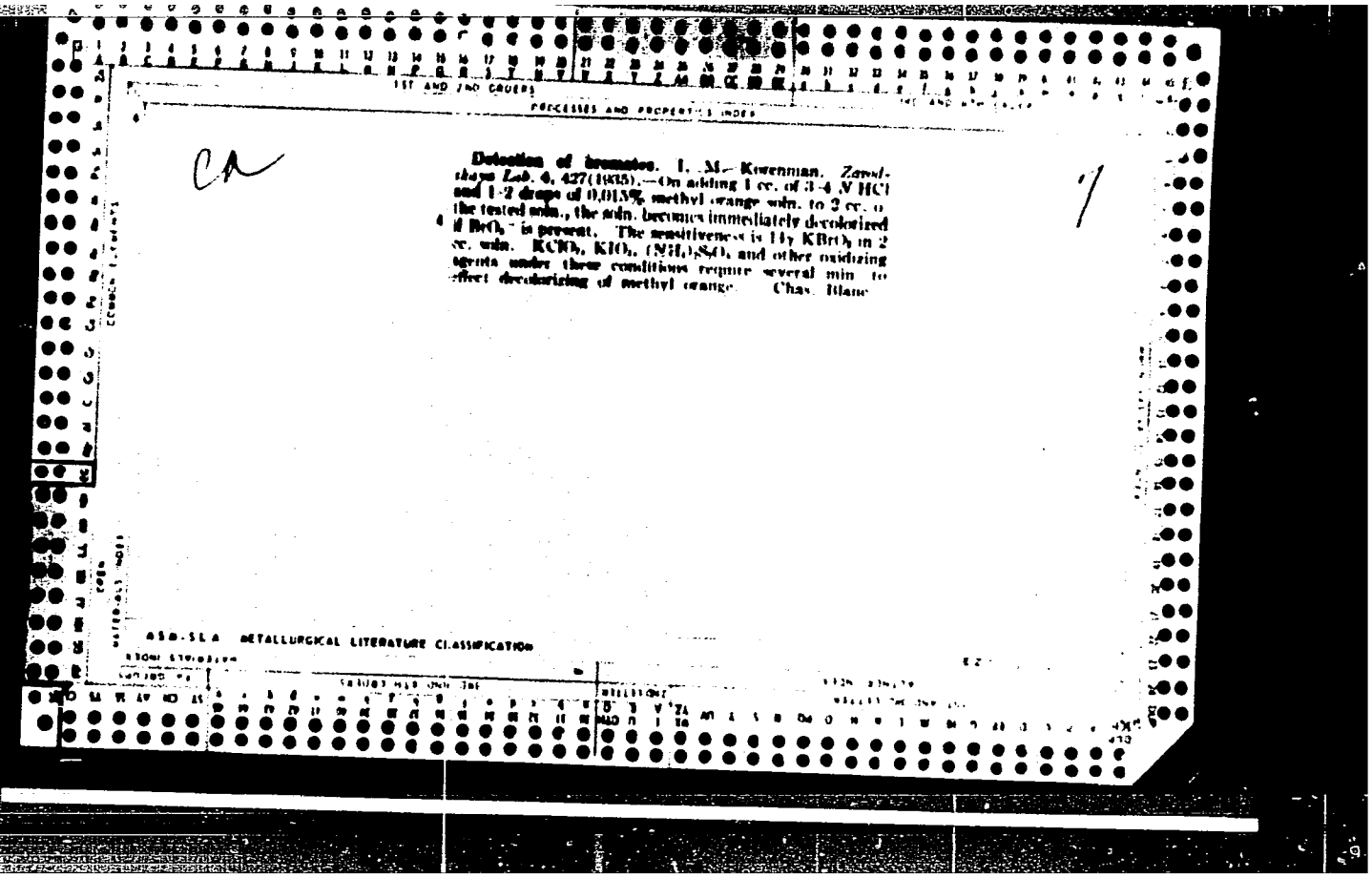
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



1ST AND 2ND ORDERS

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CA

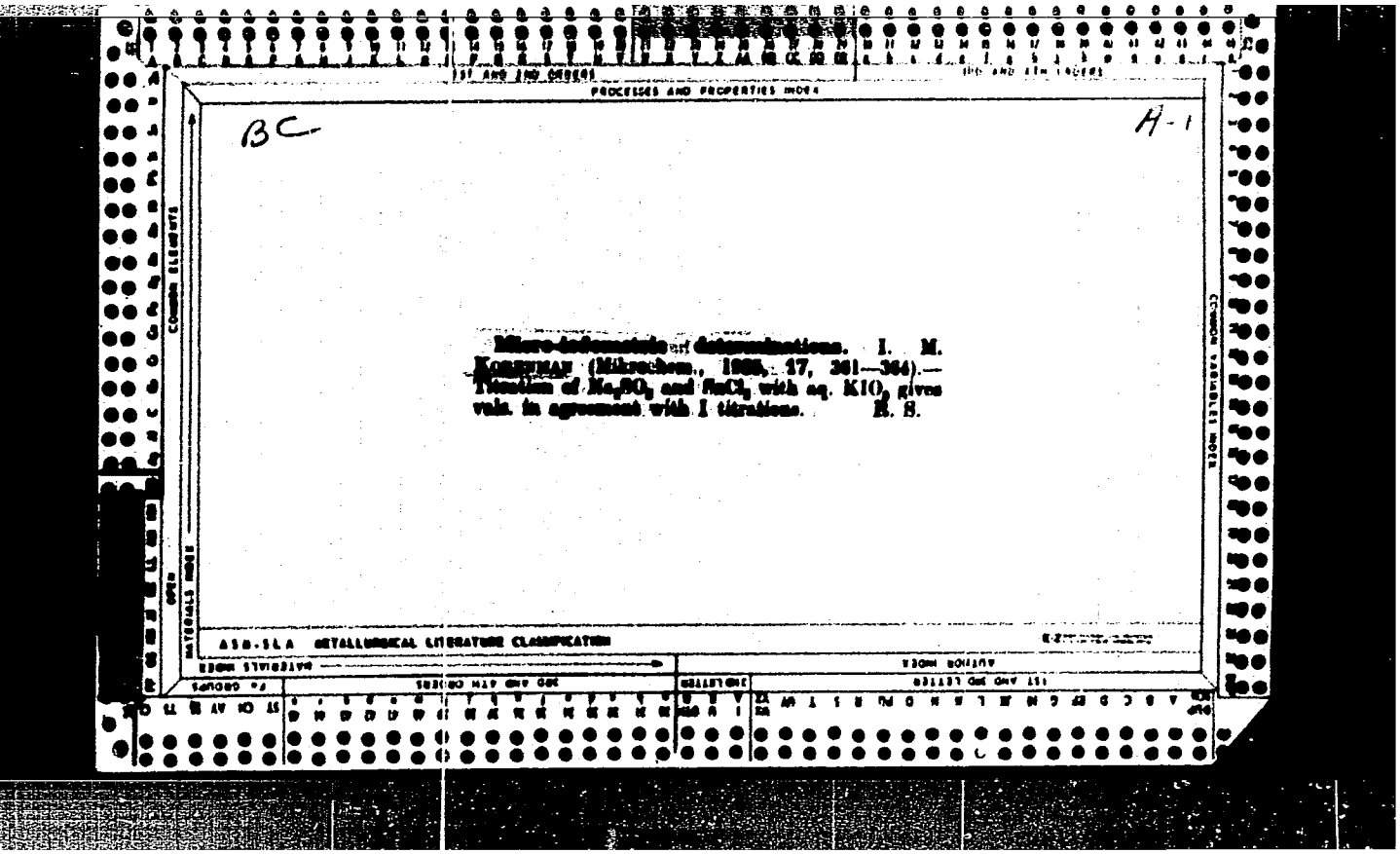
Detection of bromates. I. M. Kwenman. *Zavod. skaya Lab.* 4, 427(1935).—On adding 1 cc. of 3-4 *N* HCl and 1-2 drops of 0.015% methyl orange soln. to 2 cc. of the tested soln., the soln. becomes immediately decolorized if BrO_3^- is present. The sensitiveness is 11γ KBrO₃ in 2 cc. soln. $KClO_3$, KIO_3, $(NH_4)_2S_2O_8$, and other oxidizing agents under these conditions require several min. to effect decolorizing of methyl orange. Chas. Blanc

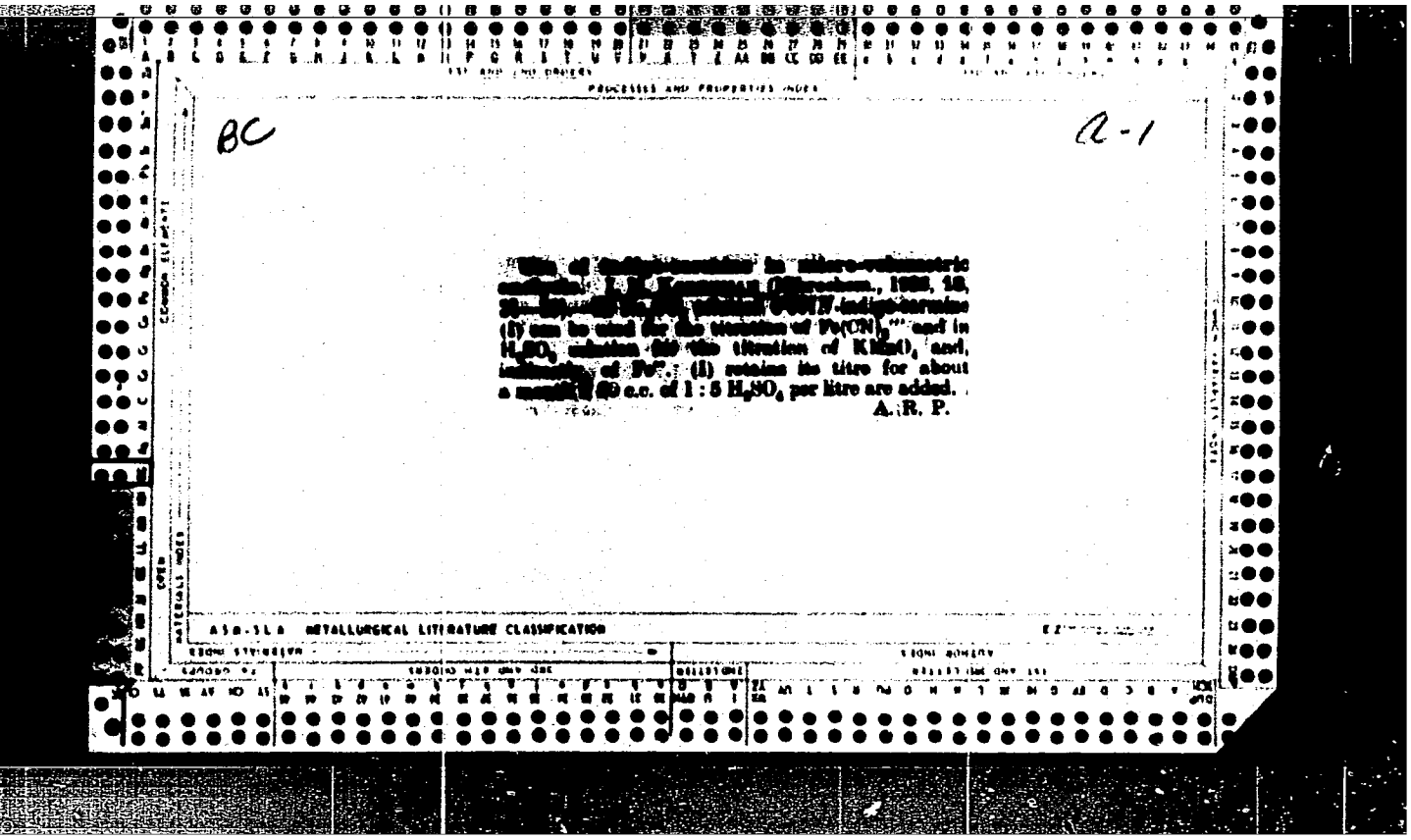
1

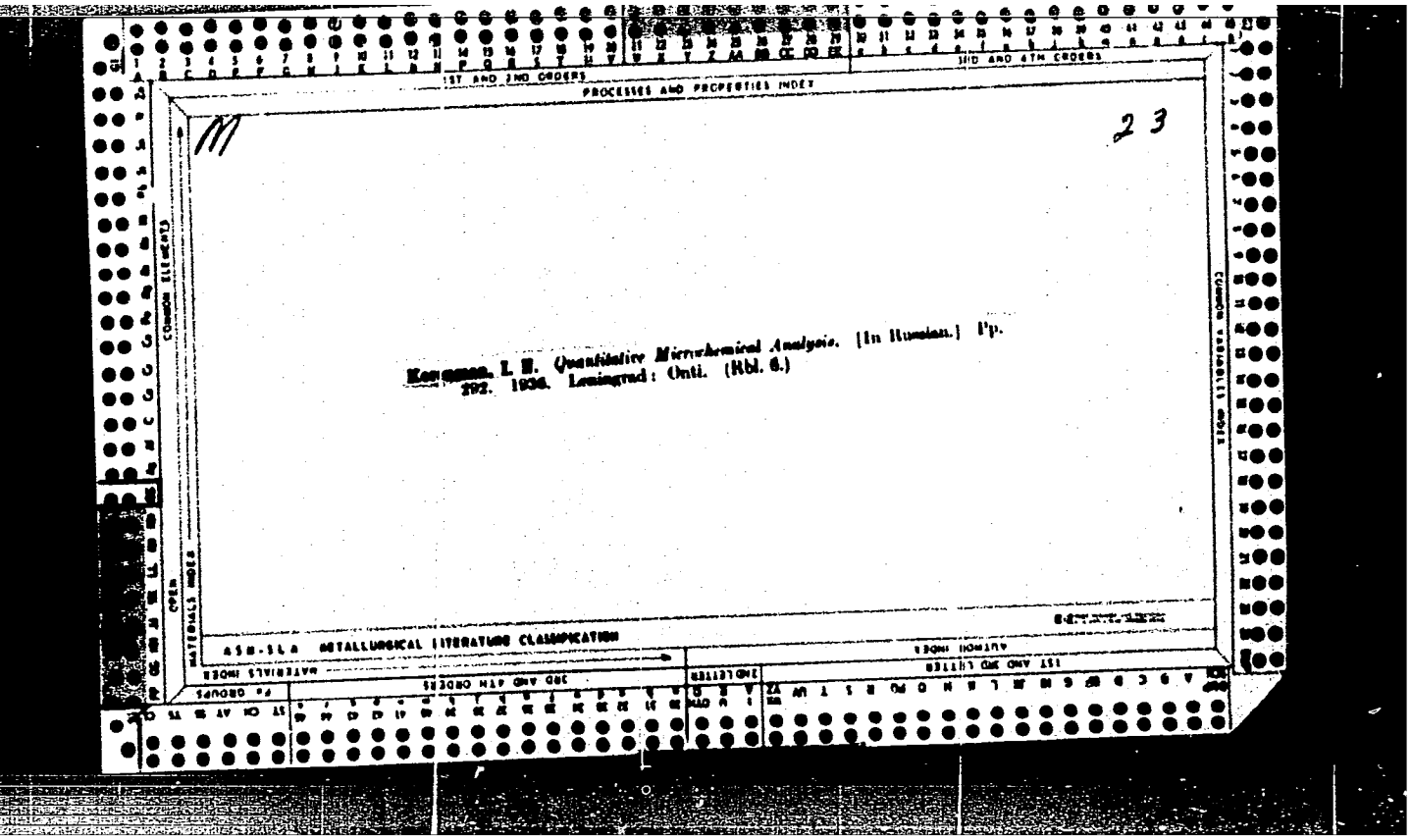
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

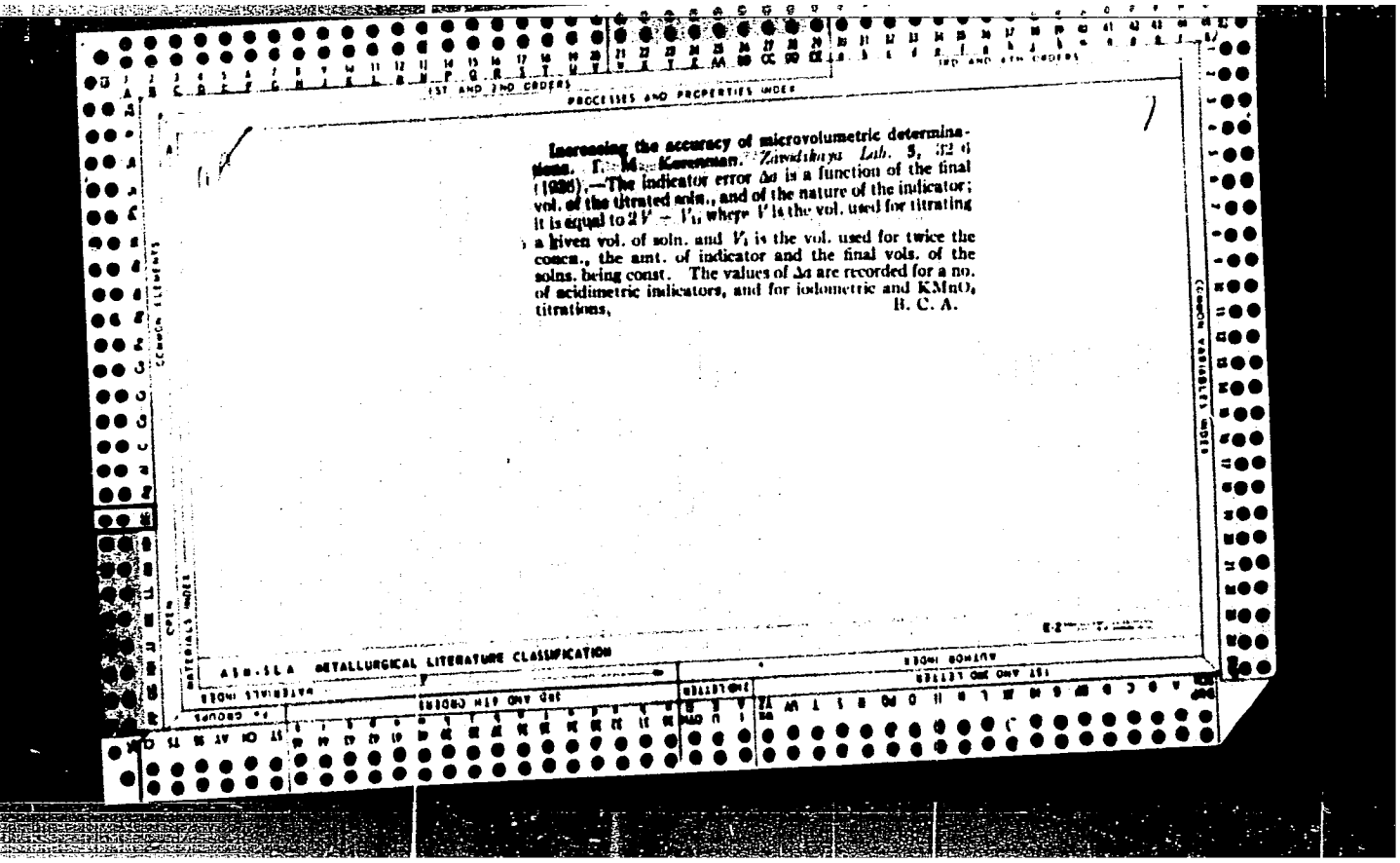
The microdetermination of acrolein. I. M. Korenman. *J. Applied Chem.* (U. S. S. R.) 8, 1176-7 (in German 1177) (1935).—Acrolein and I_2 react to give CHI_3 and the excess I_2 is titrated. Oxidation with $KMnO_4$ can also be used for this detn. H. M. Leicester

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION

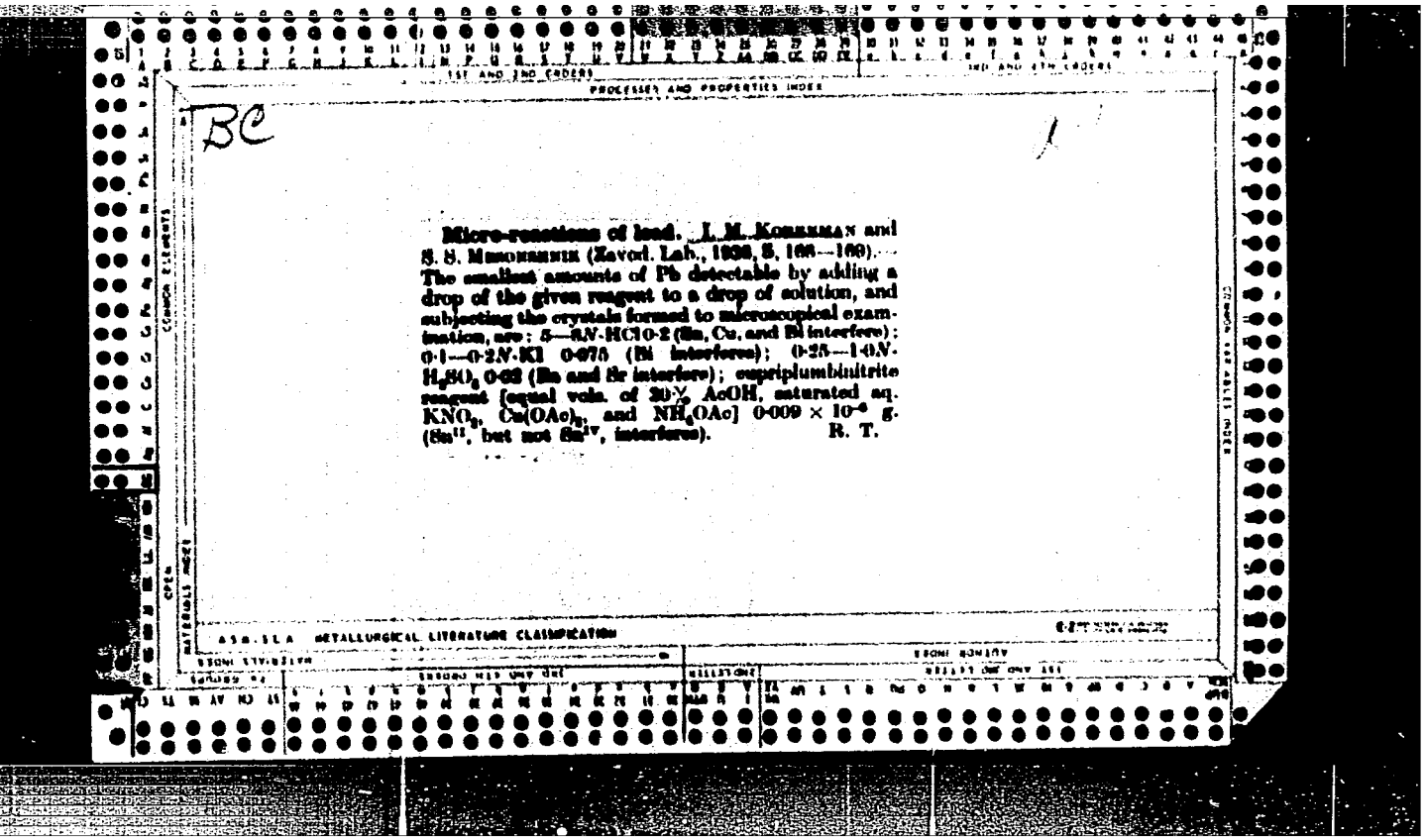








Increasing the accuracy of microvolumetric determinations. I. M. Kolthoff. *Zavodskaya Lab.* 5, 32 6 (1936).—The indicator error Δa is a function of the final vol. of the titrated soln., and of the nature of the indicator; it is equal to $2V - V_1$, where V is the vol. used for titrating a given vol. of soln. and V_1 is the vol. used for twice the concn., the amt. of indicator and the final vols. of the solns. being const. The values of Δa are recorded for a no. of acidimetric indicators, and for iodometric and $KMnO_4$ titrations. B. C. A.

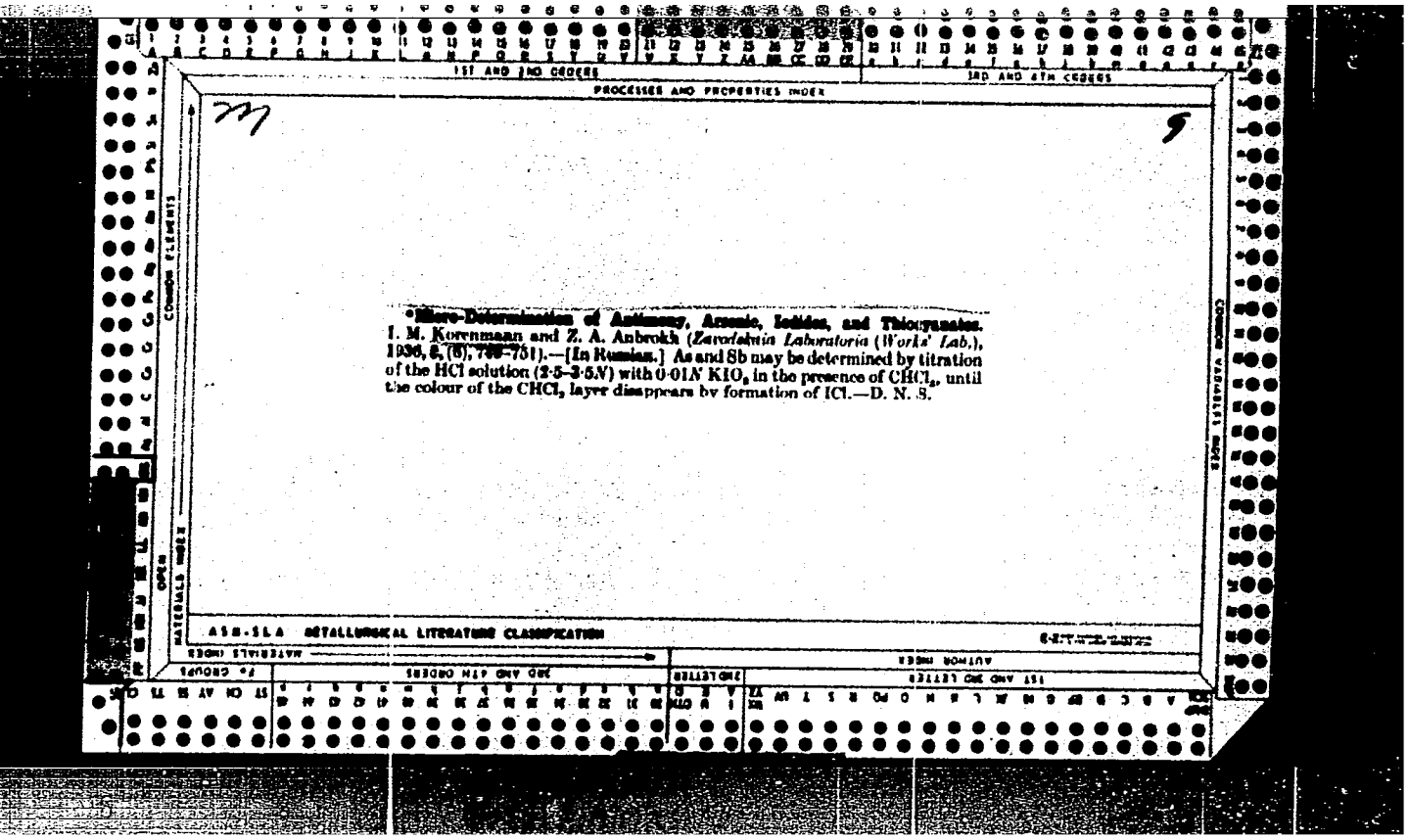


BC

1

Micro-reactions of lead. I. M. Korenman and S. S. Mironenkin (Zavod. Lab., 1936, 5, 166—169).—The smallest amounts of Pb detectable by adding a drop of the given reagent to a drop of solution, and subjecting the crystals formed to microscopical examination, are: 5—8*N*-HClO 2 (Sn, Cu, and Bi interfere); 0·1—0·2*N*-KI 0·075 (Bi interfere); 0·25—1·0*N*-H_2SO_4 0·02 (Ba and Sr interfere); cupriplumbinitrite reagent [equal vols. of 20% AcOH, saturated aq. KNO_2, $Cu(OAc)_2$, and NH_4OAc] $0·009 \times 10^{-6}$ g. (Sn^{II}, but not Sn^{IV}, interferes). R. T.

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION



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Micro-Determination of Antimony, Arsenic, Iodides, and Thiocyanates. I. M. Korenmaan and Z. A. Anbrokh (*Zavodskaia Laboratoria* (*Works' Lab.*), 1936, 5, (6), 748–751).—[In Russian.] As and Sb may be determined by titration of the HCl solution (2·5–3·5*N*) with 0·01*N* KIO_3 in the presence of $CHCl_3$, until the colour of the $CHCl_3$ layer disappears by formation of ICl.—D. N. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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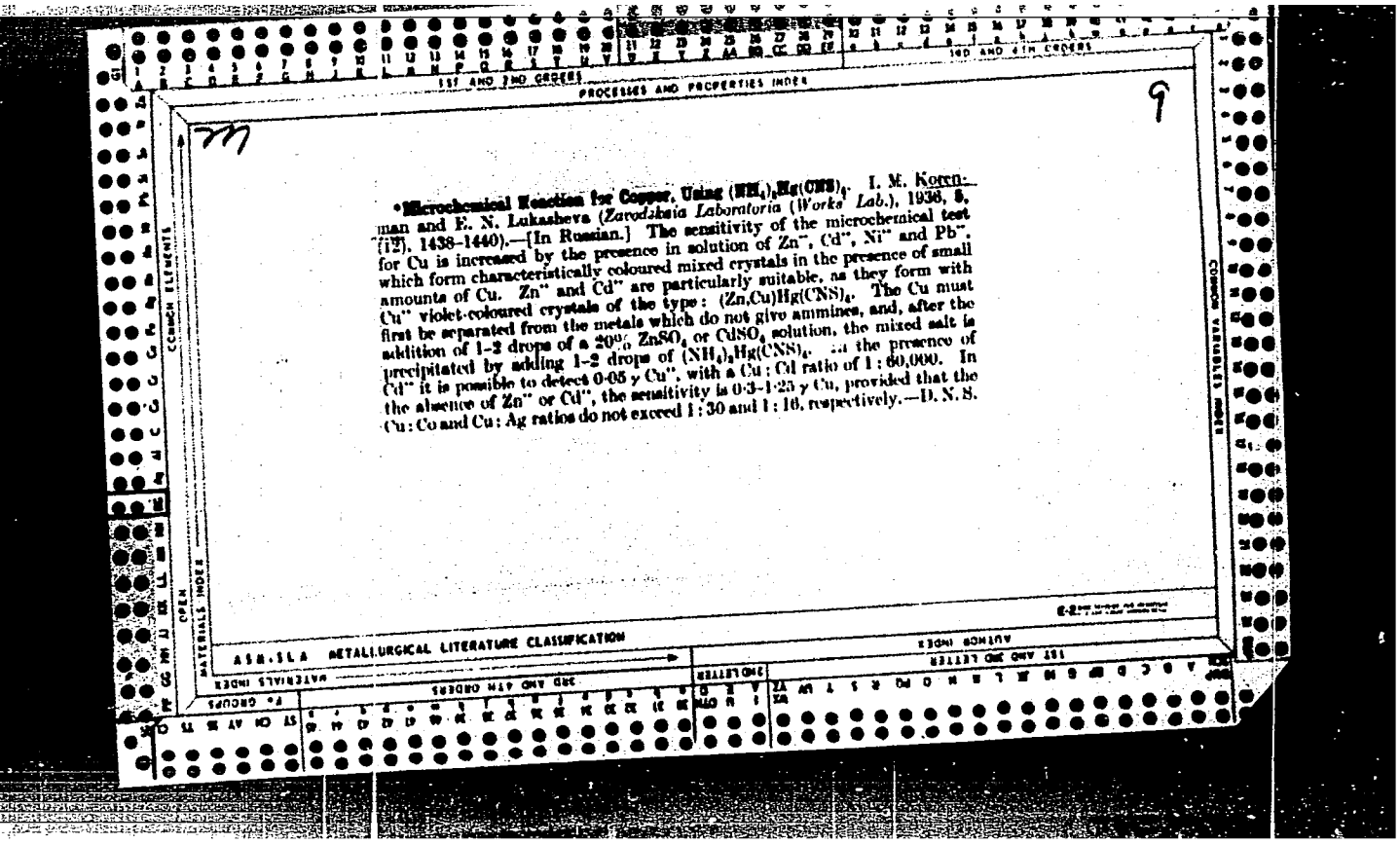
BC

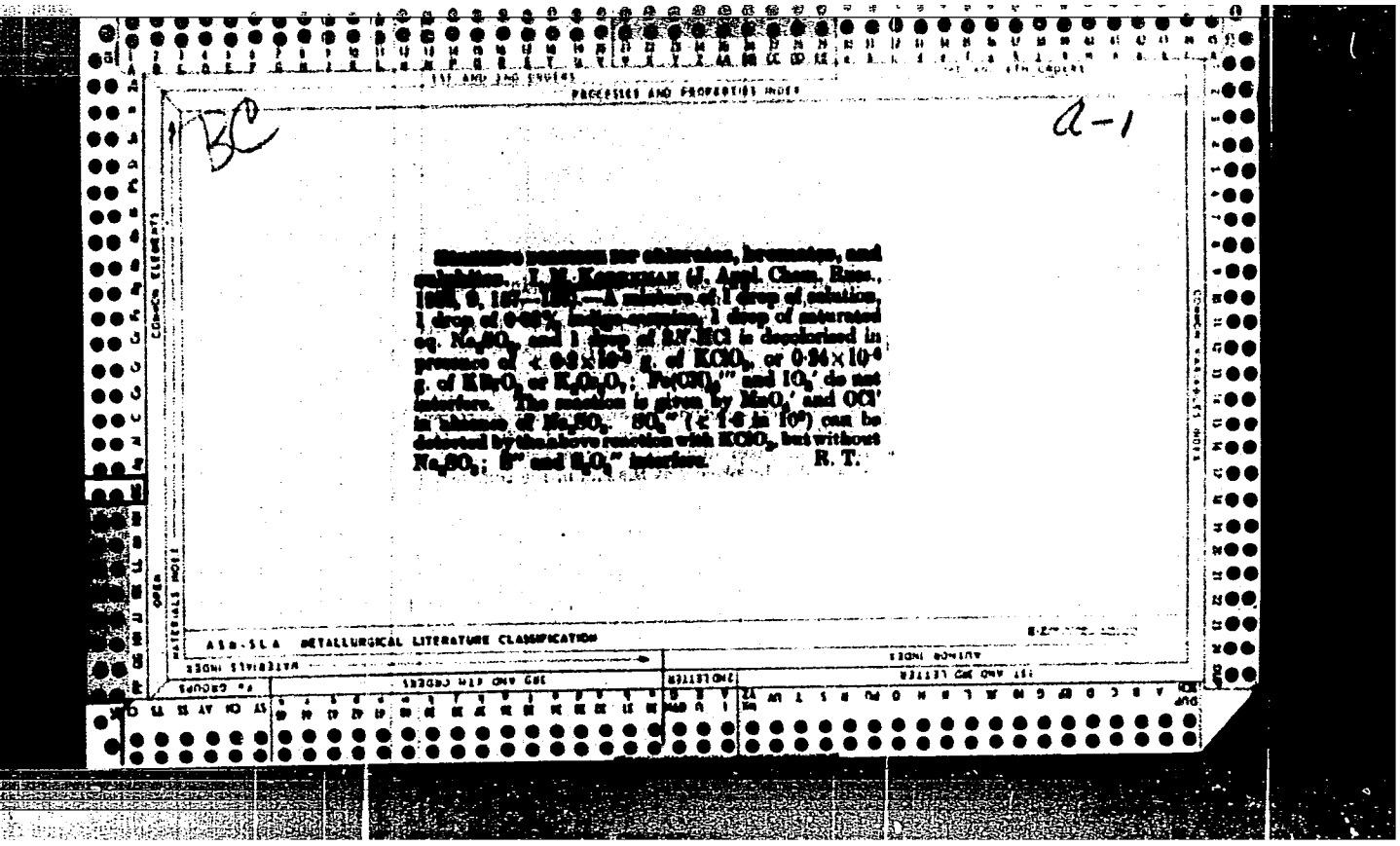
a

Micro-determination of nickel. I. M. Korenman, A. L. Tsibelman, and S. M. Lialiushenko (Zavod. Lab., 1936, 5, 1061—1063).—20—40 ml. of 3% $Na_4P_2O_7$, followed by aq. NH_3 to a slightly alkaline reaction, are added to 1—10 ml. of solution, containing 0·05—5 mg. of Ni. Starch solution, $AgNO_3$, and KI are added, and the solution is titrated with 0·1*N*-KCN, according to Moore (A., 1895, ii, 534). The method is applicable in presence of >40 mg. of Fe or Zn, 60 mg. of Mn, and 20 mg. of Cr. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



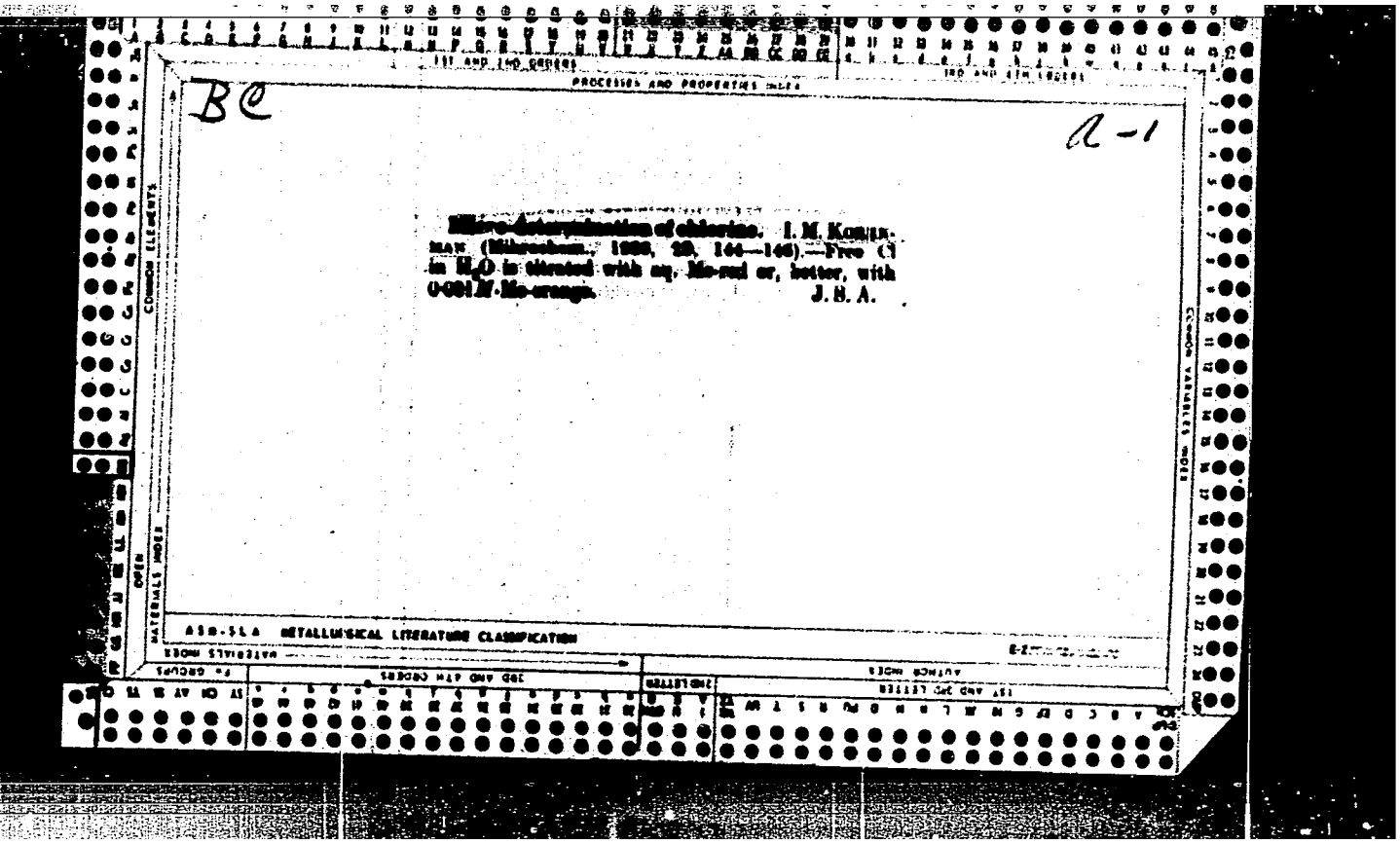
Microchemical Reaction for Copper, Using $(NH_4)_2Hg(CNS)_4$. I. M. Korenman and E. N. Lukasheva (*Zavodskaia Laboratoria* (*Works' Lab.*), 1938, **8**, (12), 1438–1440).—[In Russian.] The sensitivity of the microchemical test for Cu is increased by the presence in solution of Zn^{++}, Cd^{++}, Ni^{++} and Pb^{++}, which form characteristically coloured mixed crystals in the presence of small amounts of Cu. Zn^{++} and Cd^{++} are particularly suitable, as they form with Cu^{++} violet-coloured crystals of the type: $(Zn,Cu)Hg(CNS)_4$. The Cu must first be separated from the metals which do not give ammines, and, after the addition of 1–2 drops of a 20% $ZnSO_4$ or $CdSO_4$ solution, the mixed salt is precipitated by adding 1–2 drops of $(NH_4)_2Hg(CNS)_4$. ... the presence of Cd^{++} it is possible to detect 0·05 γ Cu^{++}, with a Cu : Cd ratio of 1 : 60,000. In the absence of Zn^{++} or Cd^{++}, the sensitivity is 0·3–1·25 γ Cu, provided that the Cu : Co and Cu : Ag ratios do not exceed 1 : 30 and 1 : 10, respectively.—D. N. S.

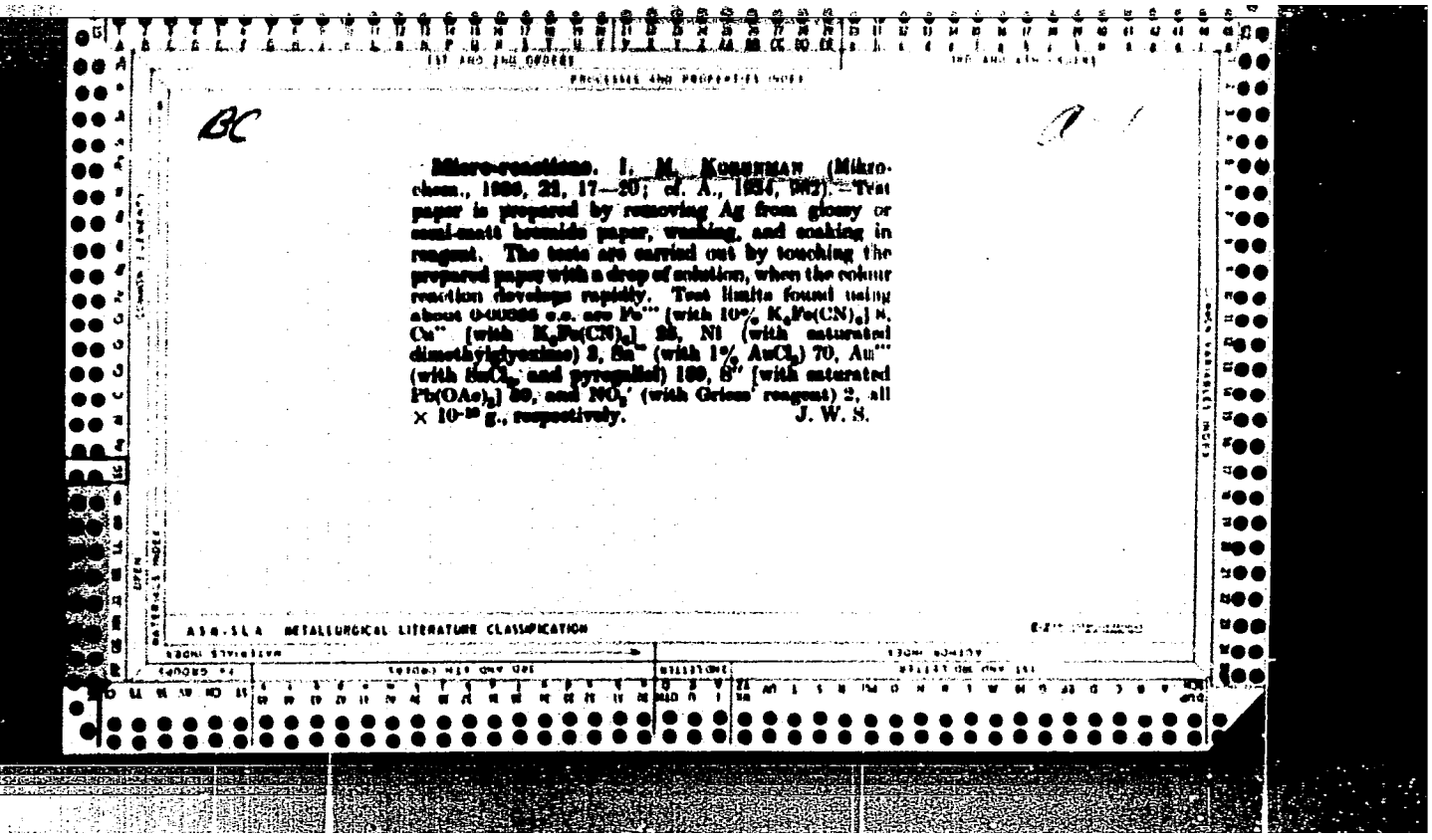


PROCESSES AND PROPERTIES INDEX

Detection and determination of phosphates in presence of salts of arsenic and other acids. I. M. Korenman (J. Appl. Chem. Russ., 1936, 9, 1507—1509).—5 ml. of 2N-H_2SO_4 and 0·2 ml. each of 6% molybdic acid and 3% strychnine nitrate are added to 3 ml. of solution, when turbidity appears in presence of $< 10^{-6}$ g. of PO_4'''. AsO_4''', SiO_3'', NO_3', SO_4'', Cl', Ca'', and Mg'' do not interfere, except when present in very great excess. PO_4''' can be determined nephelometrically, using the above reaction, with a mean error of 8% for amounts of 4—18 × 10^{-6} g.
R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION





BC

Micro-reactions. I. M. KOLTHOFF (Mikrochem., 1936, 21, 17—20; cf. A., 1934, 982).—Test paper is prepared by removing Ag from glossy or semi-matt bromide paper, washing, and soaking in reagent. The tests are carried out by touching the prepared paper with a drop of solution, when the colour reaction develops rapidly. Test limits found using about 0·00005 c.c. are $Fe^{'''}$ [with 10% $K_4Fe(CN)_6$] 8, $Cu^{''}$ [with $K_4Fe(CN)_6$] 25, Ni (with saturated dimethylglyoxime) 3, $Sn^{''}$ (with 1% $AuCl_3$) 70, $Au^{'''}$ (with $SnCl_2$ and pyrogallol) 180, $S^{''}$ [with saturated $Pb(OAc)_2$] 50, and NO_2' (with Griess' reagent) 2, all $\times 10^{-12}$ g., respectively. J. W. S.

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a-1

Micro-determination of antimony, arsenic, iodides, and thiocyanate by direct titration with potassium iodate. I. M. Korenman and Z. A. [illegible] (Mikrochem., 1936, 21, 60—67).—The determination of these ions by titration with KIO_3 in presence of HCl and $CHCl_3$ is suitable for micro-methods. Details of procedure are given.

J. W. S.

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