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1000 ev. The neutral alkali atom beams were obtained by the technique of resonant overcharge of ions in a stream of the alkali metal vapor. A form of the double modulation method was used for making the measurements. All the results go to show that the secondary emission effects from the action of neutral atoms do not differ qualitatively from those produced by positive ions of the same element. There are 5 figures. The most important English-language reference reads as follows: R.M. Chaudry, A.W. Khan, Proc. Phys. Soc., London B., 61, 1948, 526.

SUBMITTED: March 19, 1962

Card 2/2

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L 59016-65 EWT(1)/EPA(w)-2/EWA(m)-2 Pi-4/Pz-6 IJP(c) AT

ACCESSION NR: AR5016006 UR/0058/65/000/005/H081/H081

SOURCE: Ref. zh. Fizika, Abs. 5Zh542

AUTHORS: Arifov, U. A.; Flyantz, E. N.; Rakhimov, R. R. 41 B

TITLE: Concerning the role of the ion charge in kinetic emission of the electrons

CITED SOURCE: Dokl. AN UzSSR, no. 10, 1964, 15-17

TOPIC TAGS: electron emission, kinetic emission, molybdenum, charge dependence, charge exchange 21

TRANSLATION: The authors investigated the electron emission of Mo bombarded with ions and atoms of Na and K in the energy region E = 300--4500 eV. The experiments were carried out with the aid of a vacuum instrument described previously (RZhFiz, 1963, 11Zh394) consisting of an ion source, a charge-exchange chamber with apparatus for the production of a jet of alkali-metal vapor, and a collector. The stream of atoms was obtained by the method of charge-exchange of ions in a jet of the parent vapor. Their intensity was determined from measurements of the current of slow ions and from the degree of attenuation of the ion beam passing through the jet of vapor. The independence of the coefficient of kinetic electronic emission

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AR5016006

of the charge of the bombarding particles is demonstrated. R. Rahkimov.

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L 59015-65 EWT(l)/EWT(m)/EPA(w)-2/EWT(t)/EWP(b)/EWA(m)-2/EWP(t) Pz-6/Pi-4

ACCESSION NR: AP5016005 UR/0058/65/000/005/E081/E081

SOURCE: Ref. zh. Fizika, Abs. 5Zh540

41
B

AUTHORS: Arifov, U. A.; Fiyants, M. K.; Rakhimov, R. R.

TITLE: Emission of electrons and negative ions from potassium films under the influence of bombardment with ions and atoms of sodium

CITED SOURCE: Dokl. AN UzSSR, no. 10, 1964, 18-21

TOPIC TAGS: electron emission, ion emission, potassium film, work function, thermionic emission, secondary emission

TRANSLATION: A double-modulation oscillographic method was used to investigate the emission of electrons and of negative ions from films of K (on Mo) bombarded with Na ions and atoms of energy 150--4500 eV. The experiments were made with an instrument analogous to that described earlier (RZhFiz, 1963, 11Zh394) in a vacuum of 1×10^{-5} mm Hg. The change in the work function of Mo following absorption of K was monitored by observing the thermionic emission. It is established that with increasing thickness of the film the coefficients of secondary electron emission, negative ion emission, and thermionic emission experience a characteristic maximum. At relatively small film thickness, when the work function of the surface is

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L 59015-65

ACCESSION NR: AR5016005

smallest, potential electronic emission is observed upon bombardment with sodium

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ARIFOV, U.A., akademik; FLYANTS, N.N.; RAKHIMOV, R.R.

Role of the ionic charge in the kinetic emission of electrons. Dokl. AN Uz.SSR 21 no. 10:15-17 '64 (MIRA 19:1)

Emission of electrons and negative ions from potassium films during the bombardment with sodium ions and atoms. Ibid.:18-21

1. Fiziko-tekhnicheskiy institut AN UzSSR. 2. AN UzSSR (for Arifov). Submitted August 19, 1964.

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SOPIN, Yevgeniy Fedorovich; BOGACH, P.G., dotsent, otv.red.; FLYASHNIKOV, B.N., red.; KHOKHANOVSKAYA, T.I., tekhn.red.

[Fundamentals of muscle biochemistry] Osnovy biokhimii myshts. Kiev, Izd-vo Kievskogo univ., 1960. 181 p. (MIRA 13:9)
(MUSCLES) (PHYSIOLOGICAL CHEMISTRY)

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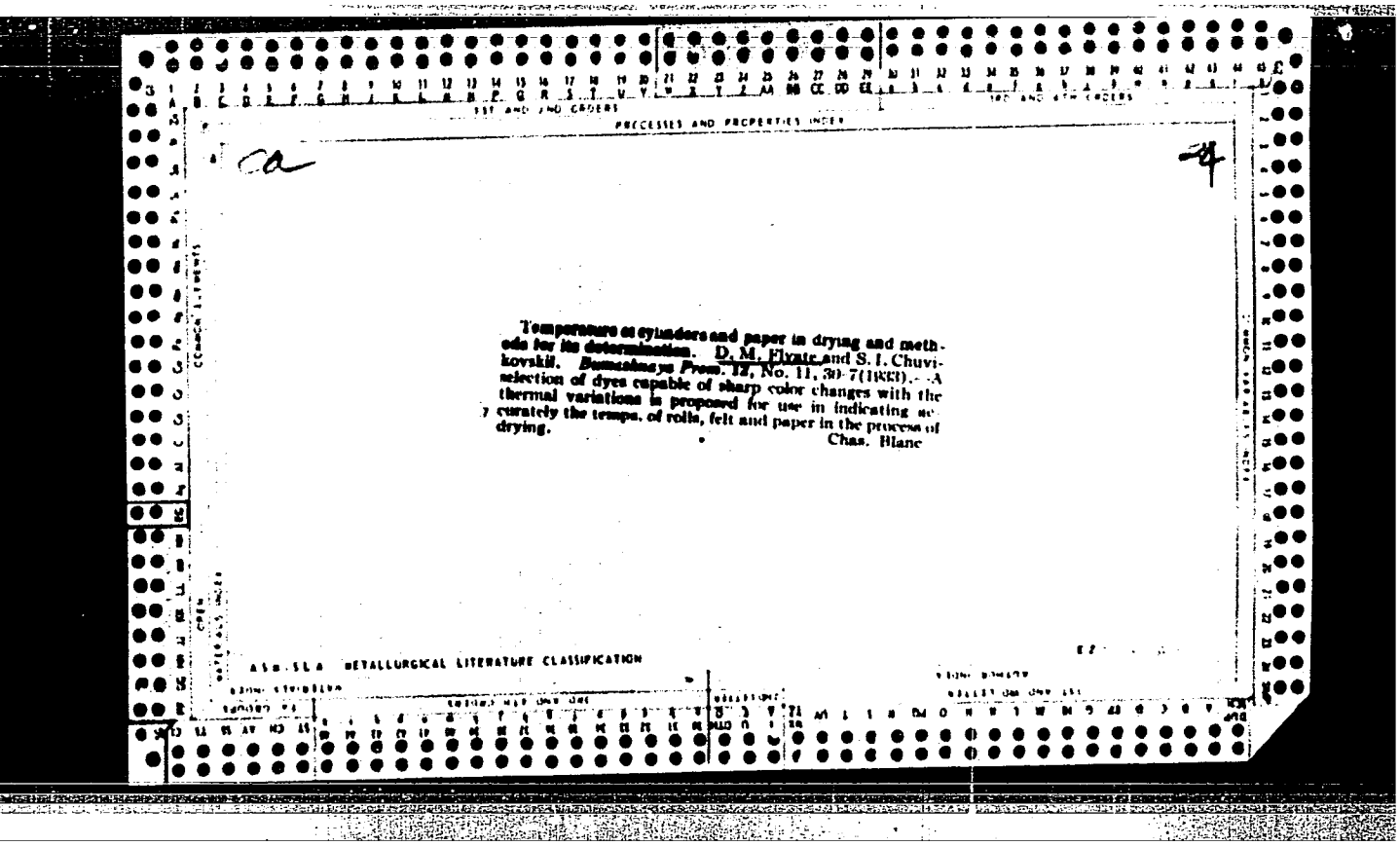

Temperature of cylinders and paper in drying and methods for its determination. D. M. Fiyate and S. I. Chuvikovskii. *Bumazhnaya Prom.* 12, No. 11, 30-7(1937).—A selection of dyes capable of sharp color changes with the thermal variations is proposed for use in indicating accurately the temps. of rolls, felt and paper in the process of drying.

Chas. Blanc

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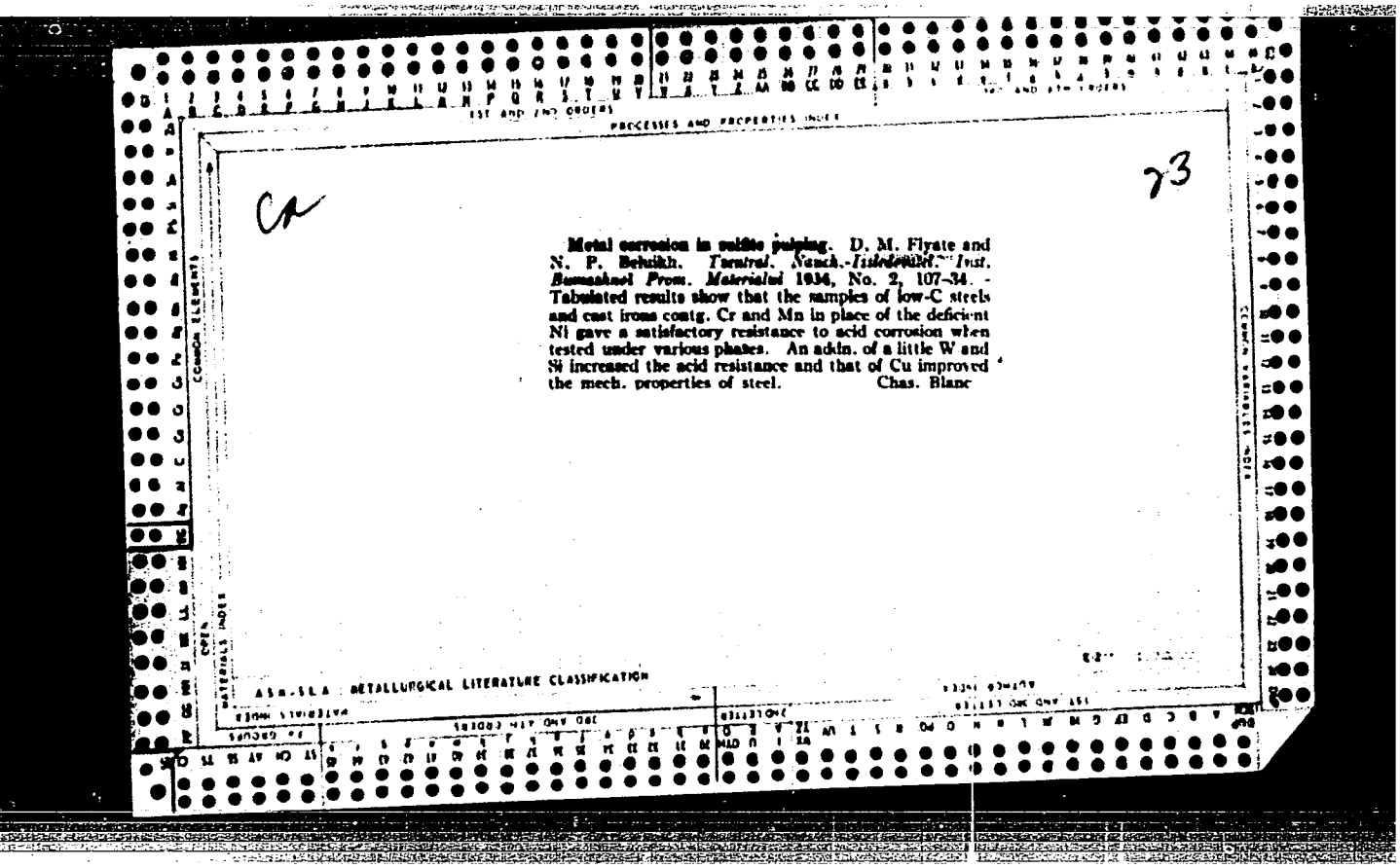

Ca

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Metal corrosion in sulfite pulping. D. M. Flyate and N. P. Behukh. *Tsentral. Nauch.-Issledovat. Inst. Bumazhnoi Prom. Materialui* 1934, No. 2, 107–34. - Tabulated results show that the samples of low-C steels and cast irons contg. Cr and Mn in place of the deficient Ni gave a satisfactory resistance to acid corrosion when tested under various phases. An addn. of a little W and Si increased the acid resistance and that of Cu improved the mech. properties of steel. Chas. Blanc

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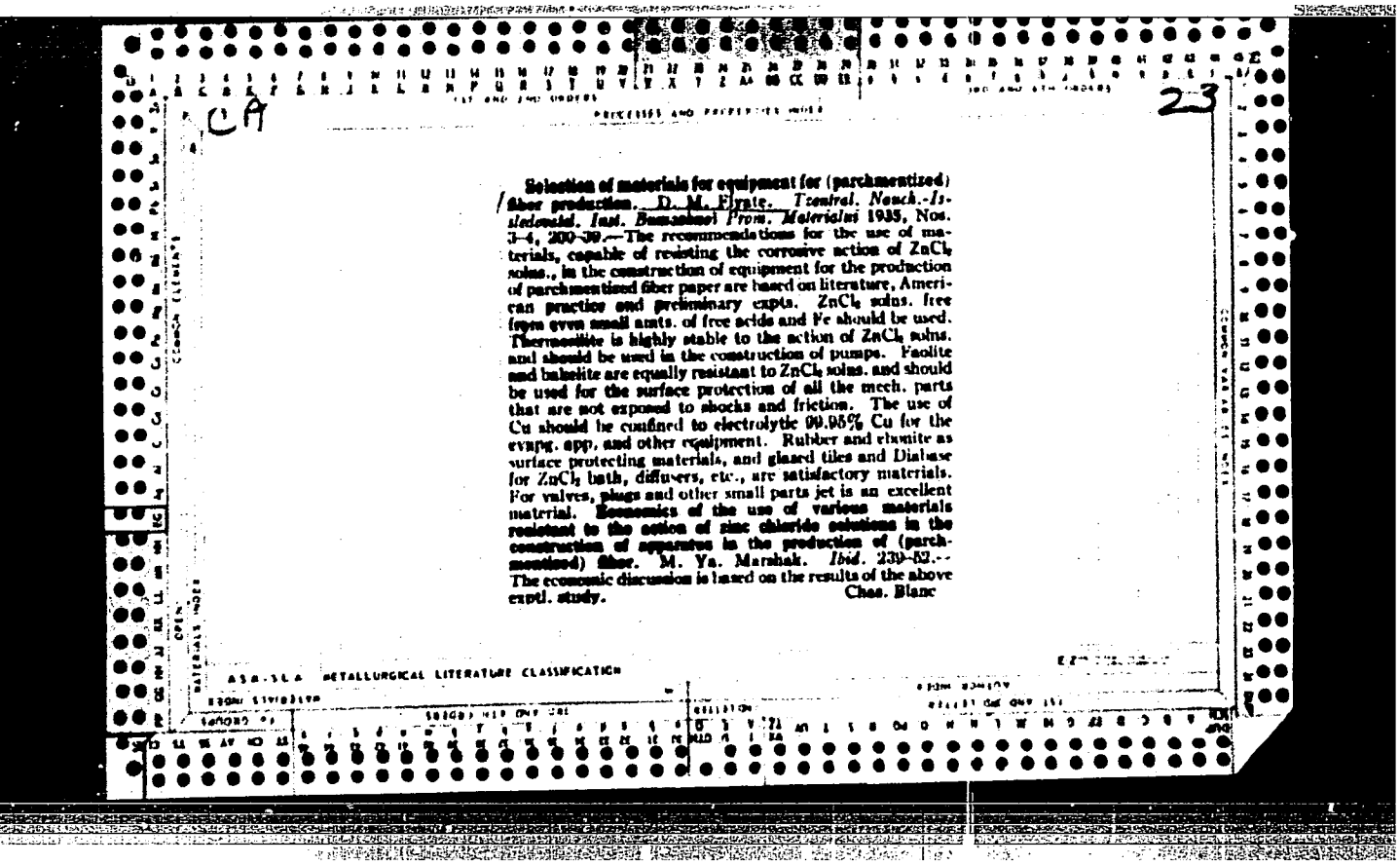

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23

PROCESSES AND PROPERTIES INDEX

Selection of materials for equipment for (parchmentized) fiber production. D. M. Fiyate. *Tzentral. Nauch.-Issledovatel. Inst. Bumazhnoi Prom. Materialni* 1935, Nos. 3-4, 200-39.—The recommendations for the use of materials, capable of resisting the corrosive action of $ZnCl_2$ solns., in the construction of equipment for the production of parchmentized fiber paper are based on literature, American practice and preliminary expts. $ZnCl_2$ solns. free from even small amts. of free acids and Fe should be used. Thermosilite is highly stable to the action of $ZnCl_2$ solns. and should be used in the construction of pumps. Faolite and bakelite are equally resistant to $ZnCl_2$ solns. and should be used for the surface protection of all the mech. parts that are not exposed to shocks and friction. The use of Cu should be confined to electrolytic 99.95% Cu for the evapg. app. and other equipment. Rubber and ebonite as surface protecting materials, and glazed tiles and Diabase for $ZnCl_2$ bath, diffusers, etc., are satisfactory materials. For valves, plugs and other small parts jet is an excellent material. **Economics of the use of various materials resistant to the action of zinc chloride solutions in the construction of apparatus in the production of (parchmentized) fiber.** M. Ya. Marshak. *Ibid.* 239-52.—The economic discussion is based on the results of the above exptl. study. Chas. Blanc

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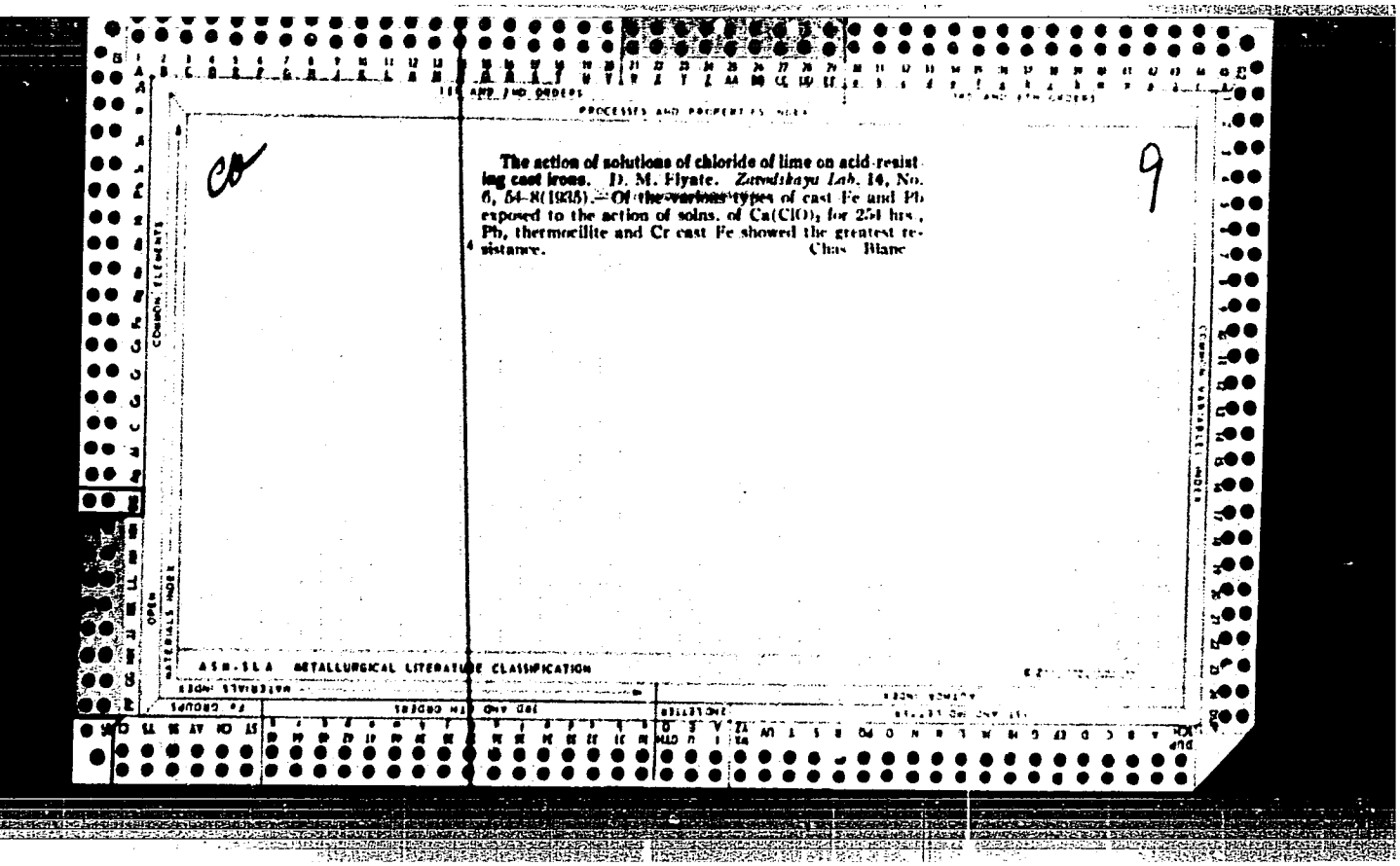

The action of solutions of chloride of lime on acid-resisting cast irons. D. M. Fiyate. *Zavodskaya Lab.* 14, No. 6, 54-8(1935).—Of the various types of cast Fe and Pb exposed to the action of solns. of $Ca(ClO)_2$ for 251 hrs., Pb, thermocillite and Cr cast Fe showed the greatest resistance. Chas. Blanc

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

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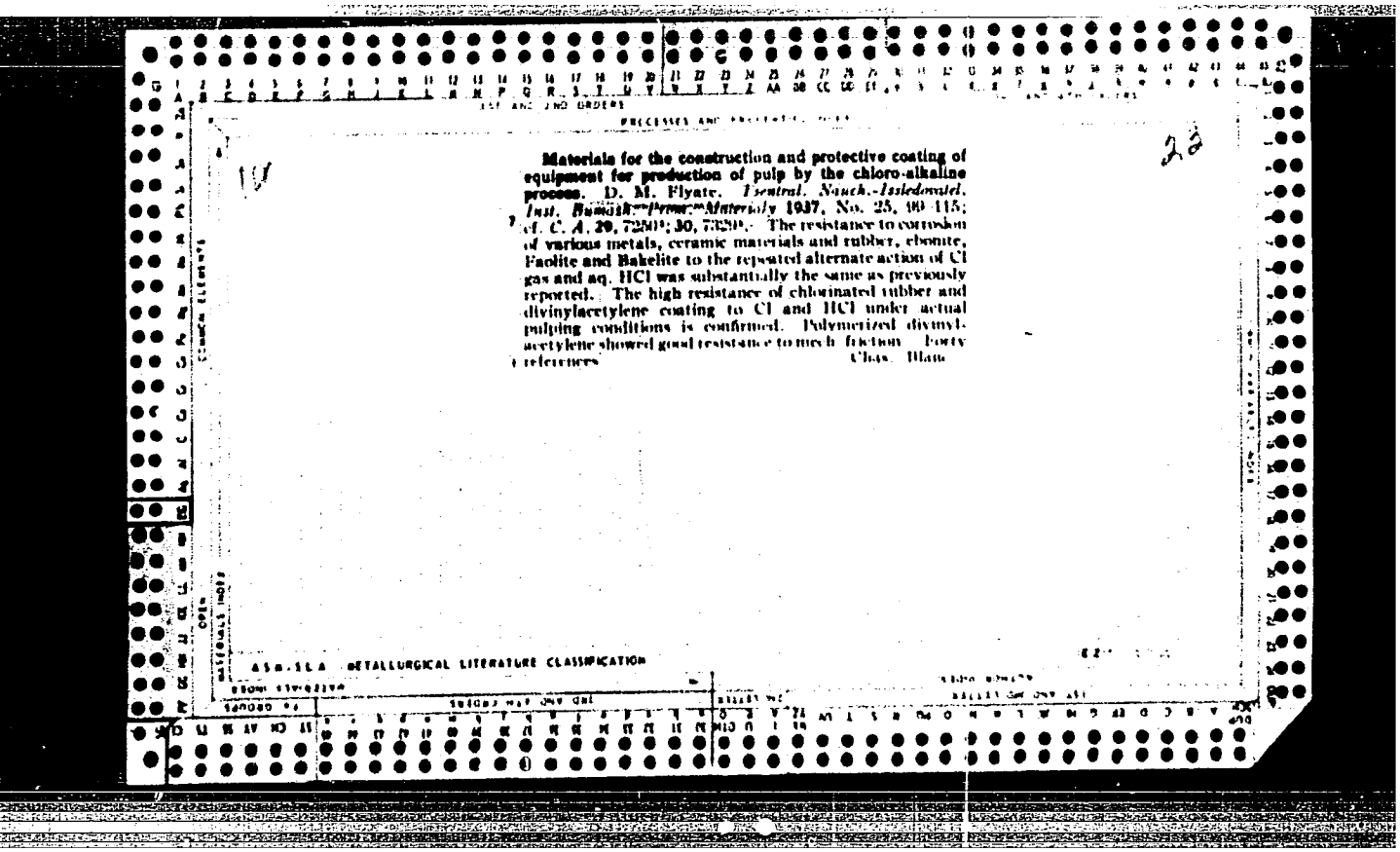

Materials for the construction and protective coating of equipment for production of pulp by the chloro-alkaline process. D. M. Flyate. *Tsentral. Nauch.-Issledovatel. Inst. Bumazh. Prom. Materialy* **1937**, No. 25, 99-115; cf. *C. A.* **29**, 7250[4]; **30**, 7329[5]. The resistance to corrosion of various metals, ceramic materials and rubber, ebonite, Faolite and Bakelite to the repeated alternate action of Cl gas and aq. HCl was substantially the same as previously reported. The high resistance of chlorinated rubber and divinylacetylene coating to Cl and HCl under actual pulping conditions is confirmed. Polymerized divinylacetylene showed good resistance to mech. friction. Forty references. Chas. Blanc

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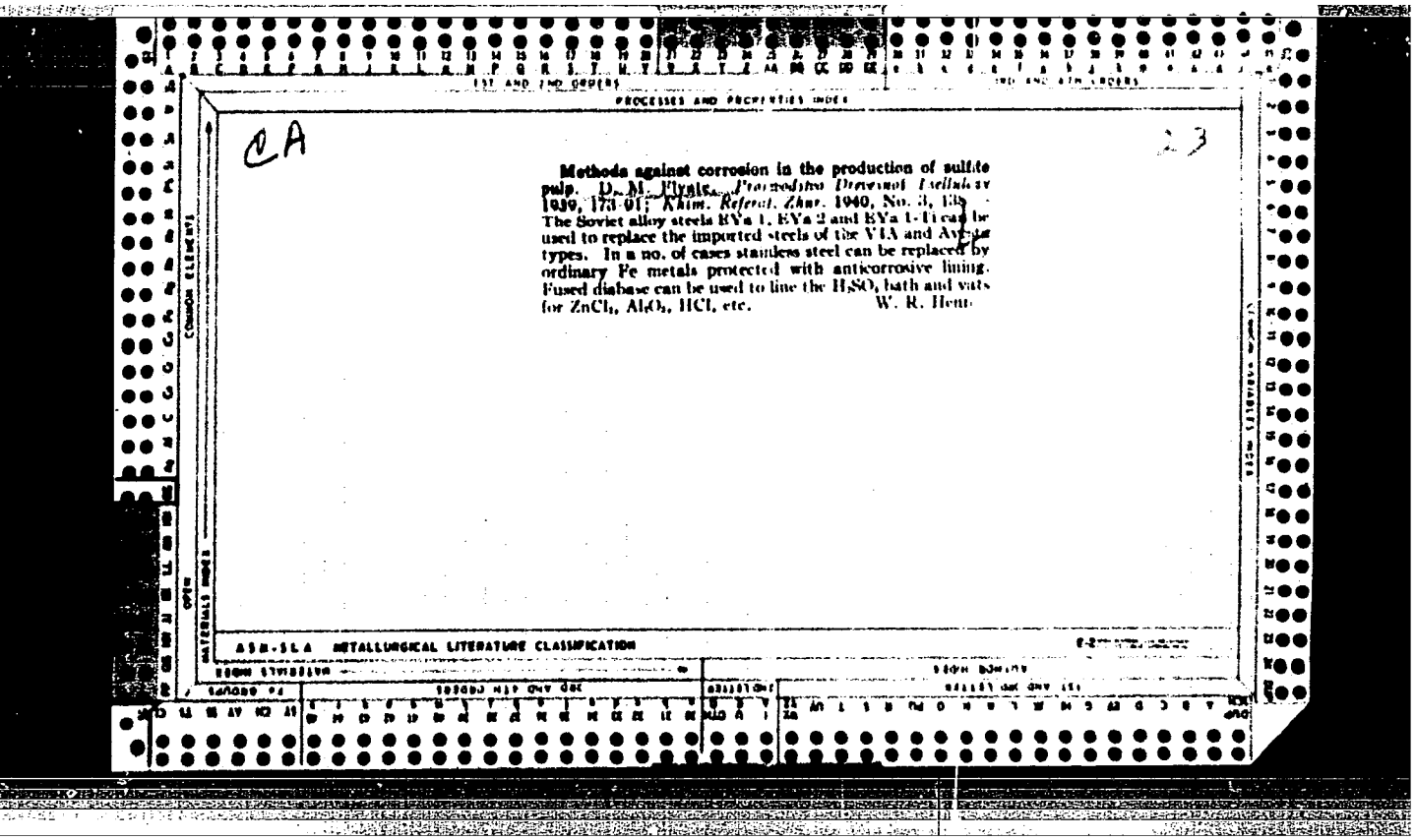

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23

Methods against corrosion in the production of sulfite pulp. D. M. Flyate. *Promyshlen. Proizvodstvo Tsellulozy* 1939, 173-91; *Khim. Referat. Zhur.* 1940, No. 3, 135. The Soviet alloy steels EYa 1, EYa 2 and EYa 1-Ti can be used to replace the imported steels of the V1A and Ave types. In a no. of cases stainless steel can be replaced by ordinary Fe metals protected with anticorrosive lining. Fused diabase can be used to line the H_2SO_3 bath and vats for $ZnCl_2$, Al_2O_3, HCl, etc. W. R. Hem

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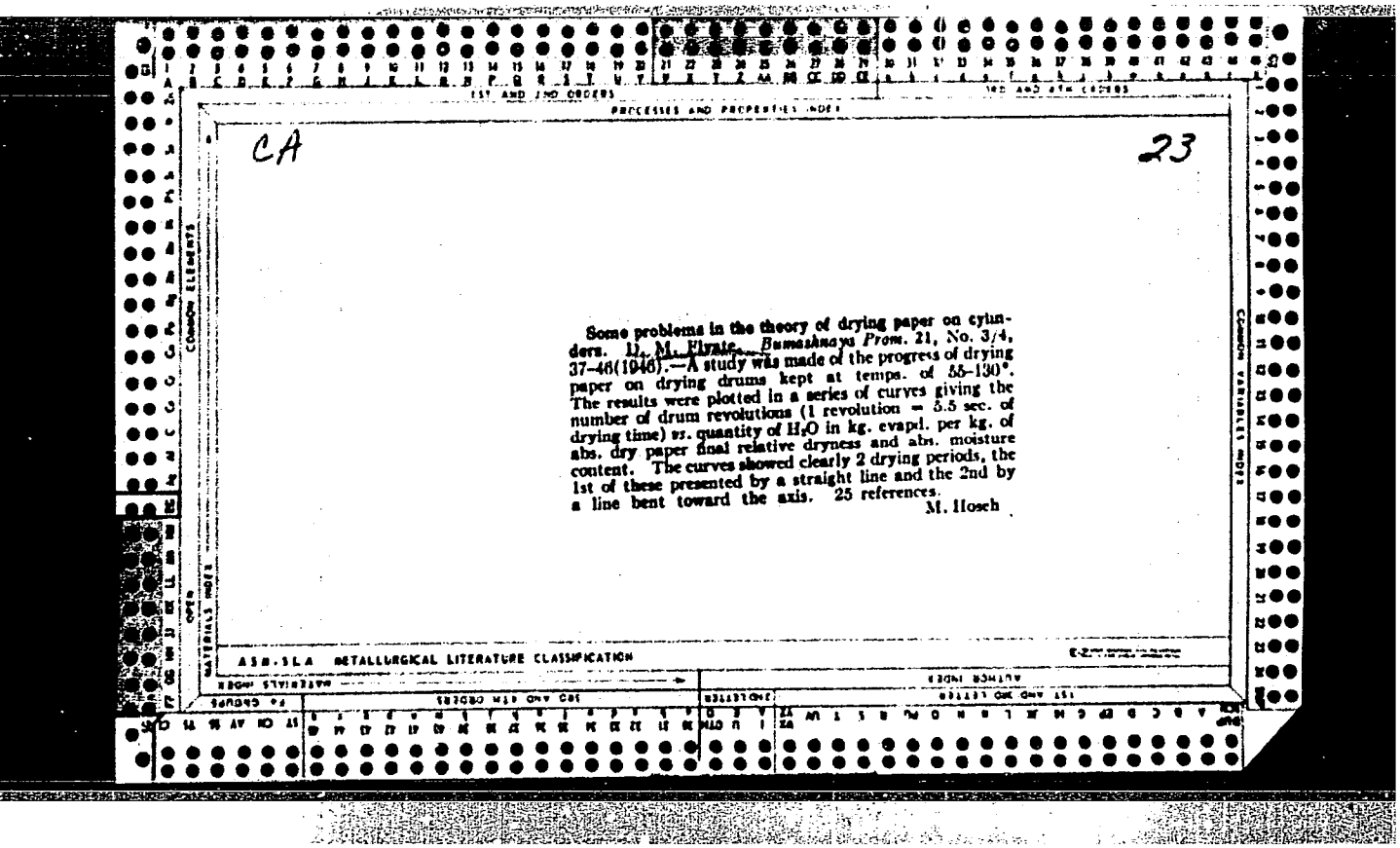

CA

23

Some problems in the theory of drying paper on cylinders. II. M. Fivate. *Bumazhnaya Prom.* 21, No. 3/4, 37–46(1946).—A study was made of the progress of drying paper on drying drums kept at temps. of 55–130°. The results were plotted in a series of curves giving the number of drum revolutions (1 revolution = 5.5 sec. of drying time) *vs.* quantity of H_2O in kg. evapd. per kg. of abs. dry paper final relative dryness and abs. moisture content. The curves showed clearly 2 drying periods, the 1st of these presented by a straight line and the 2nd by a line bent toward the axis. 25 references.

M. Hosch

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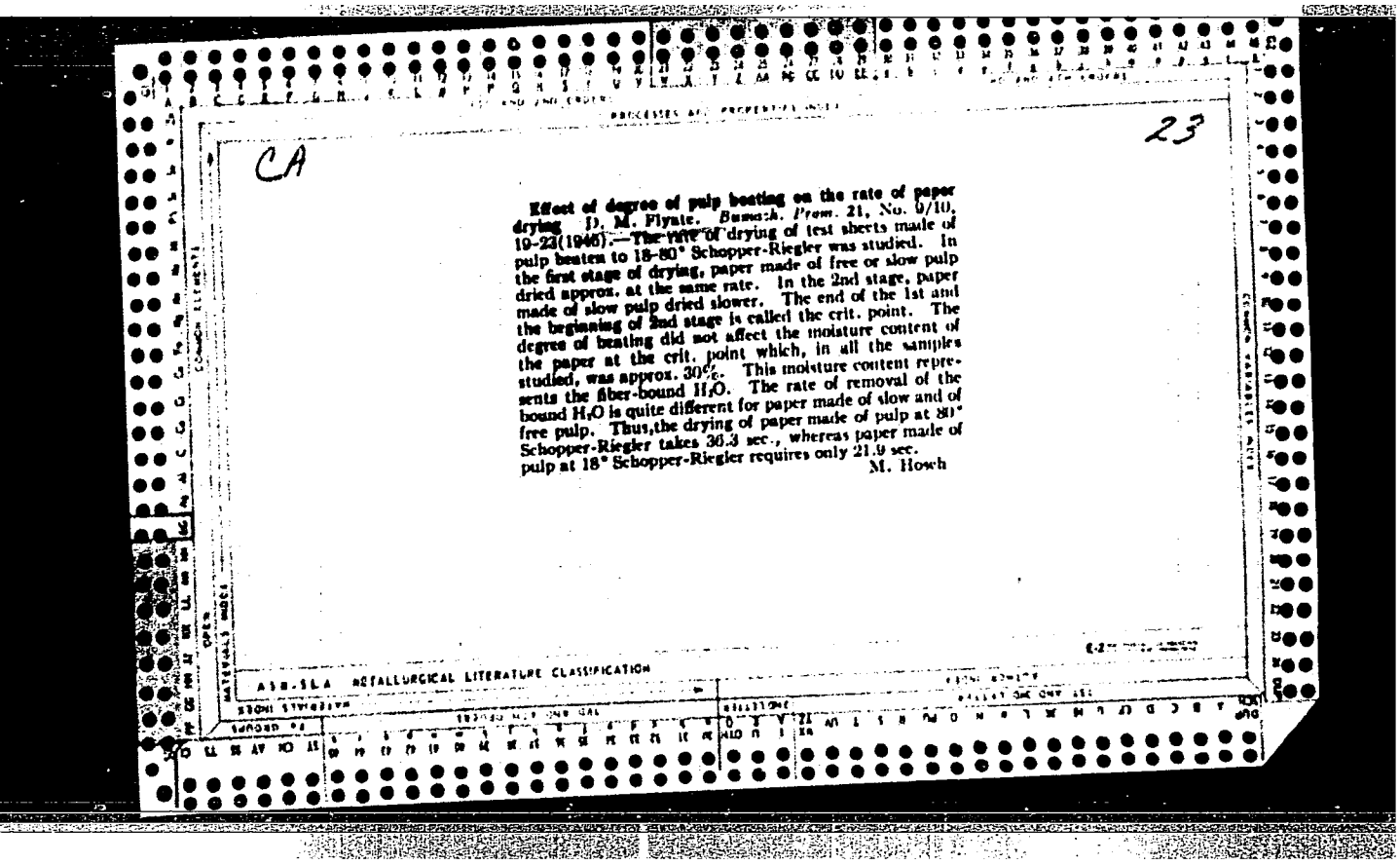

CA

23

Effect of degree of pulp beating on the rate of paper drying. D. M. Flynte. *Bumash. Prom.* 21, No. 9/10, 19-23(1946).—The rate of drying of test sheets made of pulp beaten to 18-80° Schopper-Riegler was studied. In the first stage of drying, paper made of free or slow pulp dried approx. at the same rate. In the 2nd stage, paper made of slow pulp dried slower. The end of the 1st and the beginning of 2nd stage is called the crit. point. The degree of beating did not affect the moisture content of the paper at the crit. point which, in all the samples studied, was approx. 30%. This moisture content represents the fiber-bound H_2O. The rate of removal of the bound H_2O is quite different for paper made of slow and of free pulp. Thus, the drying of paper made of pulp at 80° Schopper-Riegler takes 36.3 sec., whereas paper made of pulp at 18° Schopper-Riegler requires only 21.9 sec.

M. Hosch

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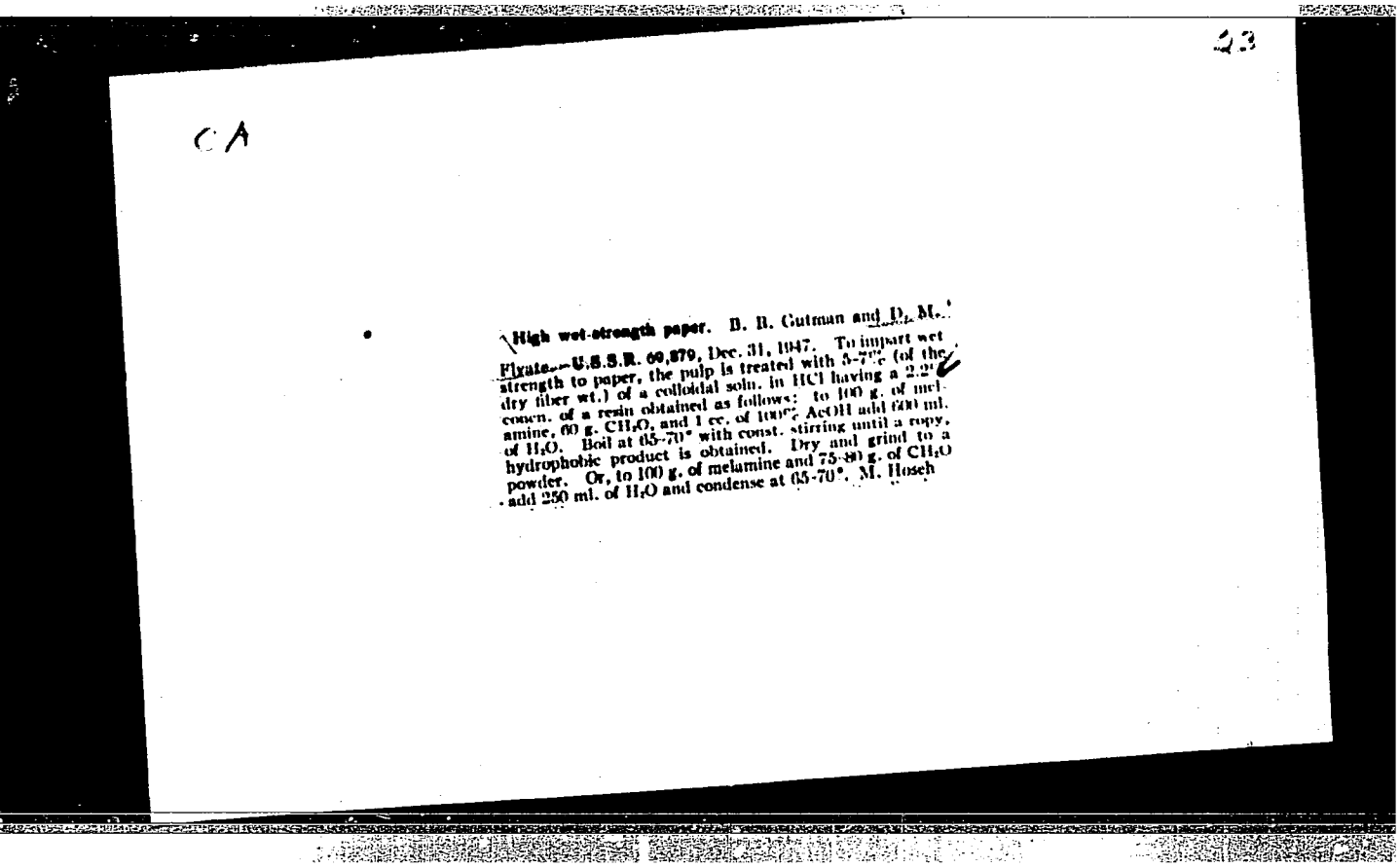

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CA

High wet-strength paper. B. B. Gutman and D. M. Fixate.—U.S.S.R. 69,879, Dec. 31, 1947. To impart wet strength to paper, the pulp is treated with 5-7% (of the dry fiber wt.) of a colloidal soln. in HCl having a 2.2% concn. of a resin obtained as follows: to 100 g. of melamine, 60 g. CH_2O, and 1 cc. of 10% AcOH add 600 ml. of H_2O. Boil at 65-70° with const. stirring until a copy, hydrophobic product is obtained. Dry and grind to a powder. Or, to 100 g. of melamine and 75-80 g. of CH_2O add 250 ml. of H_2O and condense at 65-70°. M. Hosch

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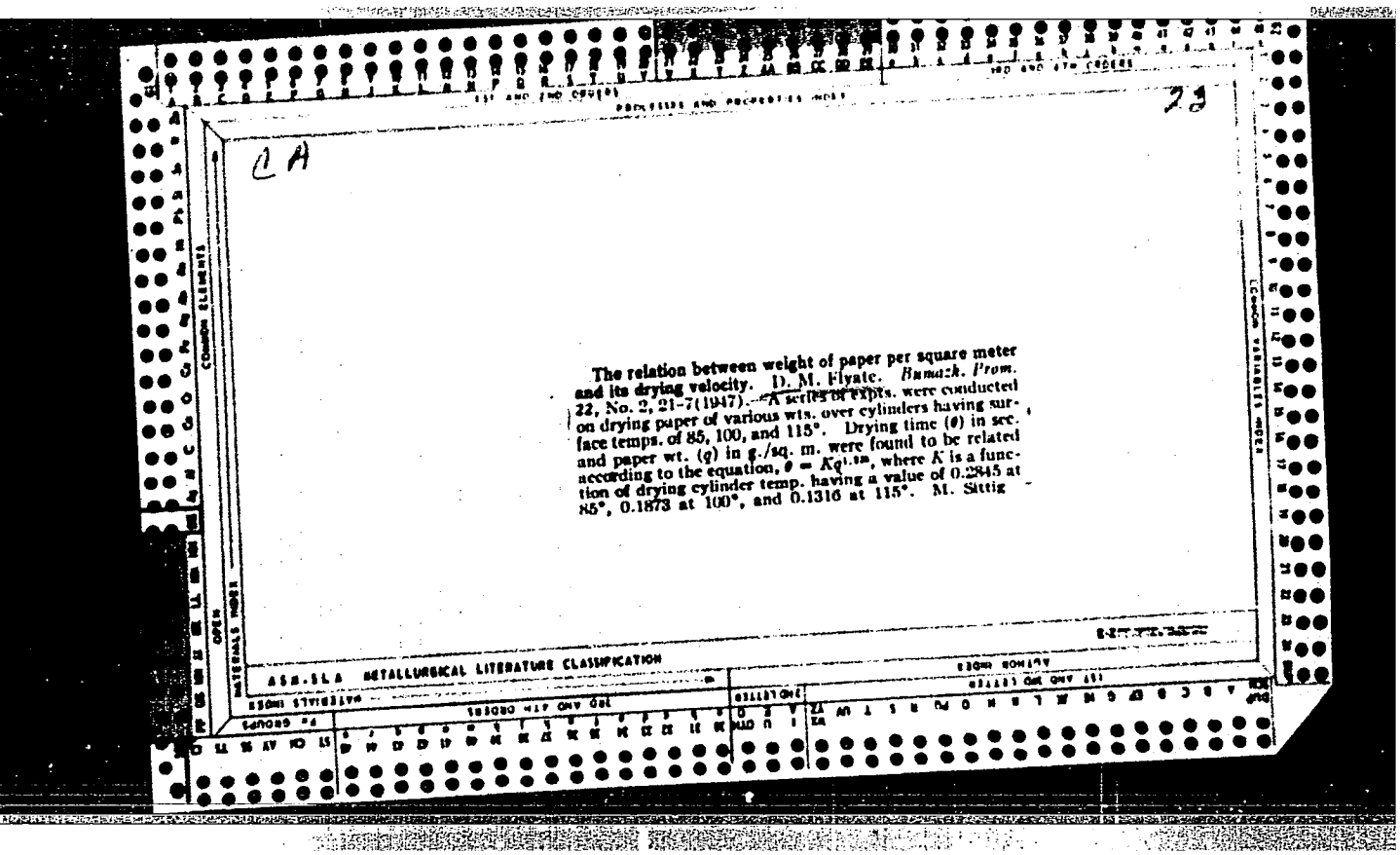

CA

The relation between weight of paper per square meter and its drying velocity. D. M. Flynte. *Bumazh. Prom.* 22, No. 2, 21–7(1947). A series of expts. were conducted on drying paper of various wts. over cylinders having surface temps. of 85, 100, and 115°. Drying time (θ) in sec. and paper wt. (q) in g./sq. m. were found to be related according to the equation, $\theta = Kq^{1.98}$, where K is a function of drying cylinder temp. having a value of 0.2845 at 85°, 0.1873 at 100°, and 0.1316 at 115°. M. Sittig

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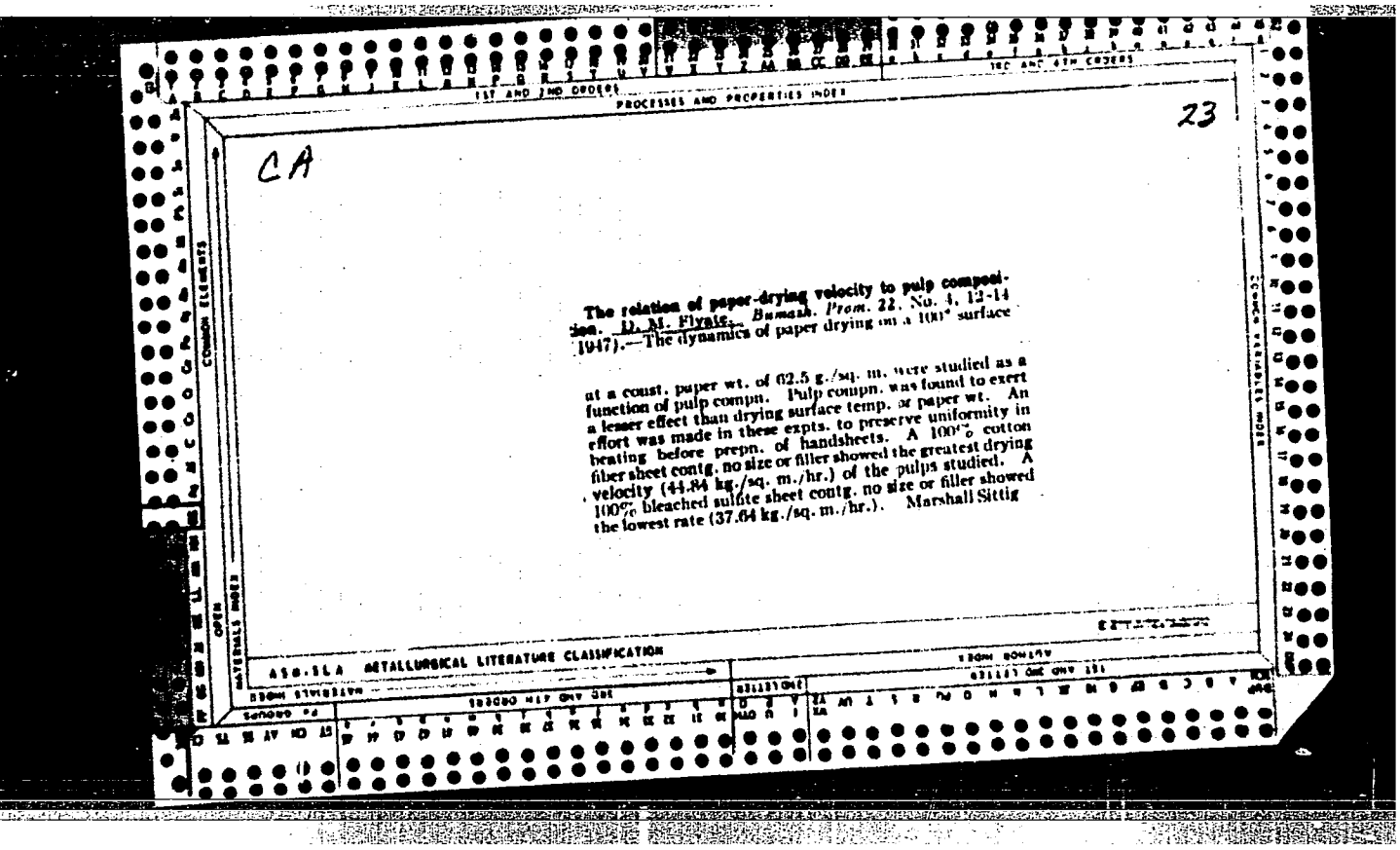

CA

23

The relation of paper-drying velocity to pulp composition. H. M. Flynig. *Bumash. Prom.* 22, No. 4, 12-14 (1947).—The dynamics of paper drying on a 100° surface at a const. paper wt. of 62.5 g./sq. m. were studied as a function of pulp compn. Pulp compn. was found to exert a lesser effect than drying surface temp. or paper wt. An effort was made in these expts. to preserve uniformity in beating before prepn. of handsheets. A 100% cotton fiber sheet contg. no size or filler showed the greatest drying velocity (44.84 kg./sq. m./hr.) of the pulps studied. A 100% bleached sulfite sheet contg. no size or filler showed the lowest rate (37.64 kg./sq. m./hr.). Marshall Sittig

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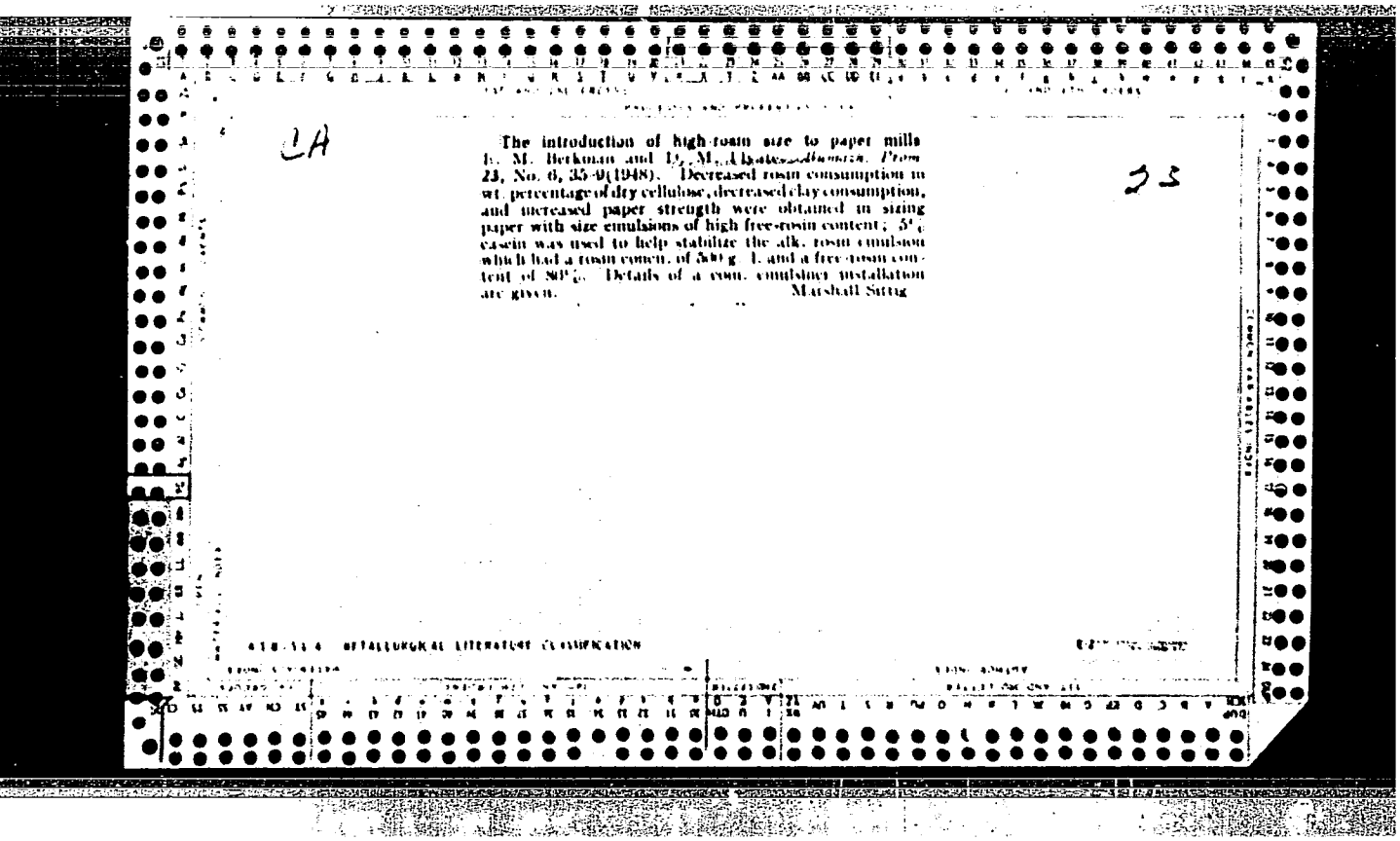

CA

23

The introduction of high-rosin size to paper mills. E. M. Berkman and D. M. Ulyate. *Humazn. Prom.* 23, No. 6, 35-9(1948). Decreased rosin consumption in wt. percentage of dry cellulose, decreased clay consumption, and increased paper strength were obtained in sizing paper with size emulsions of high free-rosin content; 5% casein was used to help stabilize the alk. rosin emulsion which had a rosin concn. of 500 g./l. and a free-rosin content of 80%. Details of a com. emulsiner installation are given. Marshall Sittig

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FLYATE, D. M.

Flyate, D. M. "Question of the mechanical toughness of a sheet of paper," Materialy Tsentr. nauch.-issled. in-ta bumazh. prom-sti, Issue 36, 1948, p. 137-66 -- Bibliog: 52 items

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D. M.

Fylate, D. M. - "The question of the cohesive forces of fibers in a sheet of paper," Materialy Tsentr. nauch.-issled. in-ta bumazh. prom-sti, Issue 37, 1948, p. 193-202

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

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FLYATE, D. M.

Flyate, D. M. - "Dependence of the speed of drying of paper on the intiial wetness of the sheet of paper,"" Materialy Tsentr. nauch. issled. in-ta bumazh. prom-sti, Issue 37, 1948, p. 203-10

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

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FLYATE, D.M., i SHUKHMAN, F.G.

24965 Flyate, D. M. i Shukhman, F. G. Puti Povysheniya Proizvoditel'nosti Bumagodelatel'nykh Mashin. Bumazh Prom-st', 1949, No 3, S 18-22 Bibliogr: 7 Nazv.

So: Letopis', No 33, 1949

Ii Lesozagotovki. Lecnaya I Derevoobrabatyvayushchaya Promyshlennost'. Mebel'noye Proizvodstvo.

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23

The influence of fillers on the strength and air permeability of paper. D. M. Flynt. *Bumash. Prom.* 25, No. 2, 21–4(1950).—Theoretical considerations of the effect of fillers on paper properties are presented. The effects of the addn. of clay filler on the tensile strength and air permeability of paper are studied. A fully bleached sulfite pulp is beaten to 45° S.-R. in a lab. beater, the test sheets are prepd. on a modern sheetmaking machine, varying amts. of Turbovski clay are added (clay detd. by ash content), and the sheet is conditioned at 65% relative humidity and 20° prior to testing. The tensile strength test values are reproducible within ± 3.5%. A parallel series of test sheets are prepd. without filler but with the same basis wt. as the sheets with filler. In the case of sheets at a const. fiber content of 60 g./sq. m. but with increasing clay content, there is little change in tensile strength up to 4% clay but, with increasing clay up to 24%, the tensile strength decreases by 50%. For the sheets in which the clay is replaced by an equal wt. of fiber, the tensile strength increases smoothly; the vertical interval between the 2 curves gives the percentage decrease in tensile strength of a paper with filler compared with a paper of the same basis wt. without filler. The resistance of paper to burst and folding shows the same relation with clay content. A study of air permeability shows that, with increasing clay content, the air permeability increases (45% increase for a clay content of 25%). A similar series of tests with sheets prepd. from a 30% unbleached sulfite-70% groundwood mixt. gave the same results. The increased drying velocity of filled paper is explained on a basis of readier escape of vapor from the larger capillaries, the presence of less bonded H_2O, and the more open structure of the filled sheet. From theoretical considerations it is shown that the velocity of penetration of liquids into capillaries is increased with increasing capillary radius (assumed for paper contg. filler), which helps explain why paper contg. filler has increased absorptivity. In the case of a 100% sulfite bleached pulp beaten to 32° S.-R. and contg. 3% rosin size, 6% alum, and 5% starch, of 100 g./sq. m. basis wt., for clay contents of 0, 5, 10, 15, 20, and 25% clay (based on oven-dry fiber), the corresponding breaking lengths are 4314, 3722, 3221, 3011, 3000, and 2730 m., stretch 3.2, 3.8, 2.7, 2.1, 1.7, and 2.0%, and double folds 2000, 1348, 479, 351, 305, and 102; the relative time to be wet by a 10% soln. of Na_2CO_3 is 13.5, 11.7, 12.0, 12.5, 11.0, and 10.0 min., resp. John Lake Keays

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D.

Paper-Making Machinery

Calculating the necessary number of drying cylinders. Bum. prom. no. 6, 1951.
Kand. Tekhn. Nauk

SO: Monthly List of Russian Accessions, Library of Congress, April 1952, Uncl.

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1. FLYATE, D. M.

2. USSR (600)

4. Paper Industry

7. Ways of improving quality of newspring. Bum. prom. 27 no. 5. 1952

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

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

1. LARIN, P. S., FLYATE, D. M.

2. USSR (600)

4. Fibers

7. Glaring errors in the description of the production of pulp and paper (Cellulose and fiber plants of the U.S.S.R., P. K. Krasil'nikov, P. A. Yakimov. Reviewed by P. S. Larin, D. M. Flygate. Bum. prom. 27, No. 6, 1952.

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

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

1. BERKMAN, Ye. M.; FLYATE, D. M.

2. USSR (600)

4. Paper

7. Sizing of paper, and ink for letters. Bum. prom. 27, No. 10, 1952

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

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

BERKMAN, Ye.M.; FLYATE, D.M.

The sizing agent in paper rosin size. Bum. prom. 28 no.6:9-14 Je '53. (MLRA 6:6)

(Gums and resins) (Paper industry)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D. M.

USSR/Miscellaneous - Manufacturing

Card 1/1 : Pub. 77 - 16/21

Authors : Flyate, D. M., Cand. Tech. Sci.

Title : Paper bottles

Periodical : Nauka i zhizn' 21/9, page 38, Sep 1954

Abstract : A description is given of the working of a machine on exhibit at the All-Union Agricultural Exposition in Moscow which makes 3,600 pint-sized bottles per hour out of paper treated with paraffine. Illustrations.

Institution : .....

Submitted : .....

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D.M., kandidat tekhnicheskikh nauk.

Properties of lithographic paper. Bum. prom. 29 no.5:8-12 My '54.
(Paper) (MLRA 7:7)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

AIEKSEYEV, A.A., inzhener, redaktor;ASHKENAZI, K.M., doktor tekhnicheskikh nauk, redaktor; GRABOVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; GORBACHEV, A.N., kandidat tekhnicheskikh nauk, redaktor; IVANOV, S.N., kandidat tekhnicheskikh nauk, redaktor; LARIN, P.S., kandidat tekhnicheskikh nauk, redaktor; NEPENIN, N.N., doktor tekhnicheskikh nauk, redaktor; PUZYREV, S.A., kandidat tekhnicheskikh nauk, redaktor; RYUKHIN, N.V., kandidat tekhnicheskikh nauk, redaktor; FLYATE, D.M., kandidat tekhnicheskikh nauk, redaktor; SHAPIRO, A.D., kandidat tekhnicheskikh nauk, redaktor; ELIASHBERG, M.G., kandidat tekhnicheskikh nauk, redaktor; KHUDYAKOVA, A.V., redaktor izdatel'stva; KARASIK, N.P., tekhnicheskiy redaktor

[Paper maker's handbook] Spravochnik bumazhnika (tekhnologa). Moskva, Goslesbumizdat, Vol.2., book 1. 1956. 458 p. (MLRA 10:2)

1. Leningrad TSentral'nyy nauchno-issledovatel'skiy institut tsellyulozno-noy i bumazhnoy promyshlennosti (Paper industry)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D.M., kandidat tekhnicheskikh nauk.

Paper for automatic packing machines used in the food industry.
Bum.prom.31 no.4:22-25 Ap '56. (MLRA 9:7)
(Containers) (Paper--Specifications)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, David Moiseyevich, kand.tekhn.nauk; SASONKO, V.G., red.; SARMATSKAYA, G.I., red.izd-va; SHITS, V.P., tekhn.red.

[New methods for the production of newsprint] Novoe v proizvodstve gazetnoi bumagi. Moskva, Goslesbumizdat, 1957. 123 p. (MIRA 11:2)
(Newsprint)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D.M., kand.tekhn.nauk

New high-speed papermaking machines; (survey of foreign journals). Bum.prom. 33 no.11:27-29 N '58. (MIRA 13:8)
(United States--Papermaking machinery)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D.M., kand. tekhn. nauk; BARAN, M. Ye., inzh.

Present-day achievements in the manufacture of felts for the paper industry. Bum. prom. 33 no. 6:12-14 Je '58. (MIRA 11:7)
(Paper industry--Equipment and supplies)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

IVANOV, Sergey Nikolayevich. Prinimal uchastiye EYDLIN, I.Ya., kand. tekhn.nauk. MUDRIK, V.I., kand.tekhn.nauk, retsenzent; PEREKAL'SKIY, N.P., retsenzent; FLYUTE, D.M., red.; SIDEL'NIKOVA, L.A., red.izd-va; BACHURINA, A.M., tekhn.red.

[Technology of paper manufacture] Tekhnologiia bumagi. Moskva, Goslesbumizdat, 1960. 719 p. (MIRA 13:5)

1. Kafedra tsellyulozno-bumazhnogo proizvodstva Leningradskogo tekhnologicheskogo instituta (for Perekal'skiy).
(Paper industry)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLYATE, D.M., kand.tekhn.nauk

New book on the technology of woodpulp and paper production.
Bum.prom. 35 no.1:29 Ja '60. (MIRA 13:6)
(Woodpulp) (Paper)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLIATE, D.M., kand.tekhn.nauk; RYSOVA, A.P., inzh.

Press felts for manufacturing condenser paper. Bum. prom. 35 no.6:28-29 Je '60. (MIRA 13:7)
(Papermaking machinery)
(Felt)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

ALEKSEYEV, A.A., inzh., red.; ASHKENAZI, K.M., doktor tekhn.nauk, red.; GRABOVSKIY, V.A., kand.tekhn.nauk, red.; GORBACHEV, A.N., kand.tekhn. nauk, red.; IVANOV, S.N., kand.tekhn.nauk, red.; LARIN, P.S., kand. tekhn.nauk, red.; NEPENIN, N.N., doktor tekhn.nauk, red.; PUZYREV, S.A., kand.tekhn.nauk, red.; RYUKHIN, N.V., kand.tekhn.nauk, red.; FLYATE, D.M., kand.tekhn.nauk, red.; SHAPIRO, A.D., kand.tekhn.nauk, red.; ELIASHBERG, M.G., doktor tekhn.nauk, red.; KHUDYAKOVA, A.V., red.izd-va; SIDEL'NIKOVA, L.A., red.izd-va; LOBANKOVA, R.Ye., tekhn.red.

[Manual for paper industry technicians] Spravochnik bumazhnika; (tekhnologa). Moskva, Goslesbumizdat. Vol.3. 1961. 719 p. (MIRA 14:6)

1. Leningrad. TSentral'nyy nauchno-issledovatel'skiy institut tsellyuloznoy i bumazhnoy promyshlennosti.
(Paper products)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

ZAMORUYEV, Boris Mikhaylovich; FLYATE, D.M., dots., kand. tekhn. nauk retsenzent; MORGENSHTERN, V.S., dots., kand. tekhn. nauk retsenzent; FILONENKO, K.D., red.

[Water purification structures in woodpulp production; a textbook on a diploma Project for students of the Faculty of Chemistry and Technology] Vodochistnye sooruzheniia tselliulozno-bumazhnogo proizvodstva; posobie po diplomnomu proektirovaniiu dlia studentov khimiko-tekhnologicheskogo fakul'teta. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 83 p. (MIRA 18;3)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

TSVETKOV, Ivan Dmitriyevich; NEPENIN, Yu.N., dots., kand. tekhn.nauk, retsenzent; FLYATE, D.M., dots., kand. tekhn. nauk, retsenzent; KIRILLOVA, L.D., red.; URITSKAYA, A.D., tekhn. red.

[Some calculations for the production of sulfite pulp with a sodium base] Nekotorye raschety po proizvodstvu sul'fitnoi tselliulozy na natrievom osnovanii; metodicheskoe posobie k diplomnomu proektirovaniiu dlia studentov khimiko-tekhnologicheskogo fakul'teta. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 112 p. (MIRA 16:8)
(Woodpulp)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

KOZAROVITSKIY, L.A., prof., doktor tekhn. nauk; FLYATE, D.M., red.; POSTNOVA, I.D., red.; SHENDAREVA, L.V., tekhn. red.; PETRENKO, V.M., tekhn. red.

[Basic characteristics of chalk overlay paper for printing and methods for their control] Osnovnye svoistva melovannoi bumagi dlia pechati i metody ikh kontrolia. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 147 p.
(MIRA 16:4)

(Paper--Testing) (Printing)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FIXATE, D.M.; LEVDIK, I.Yu.

Some irreversible phenomena taking place during the drying of paper and woodpulp. Bum.prom. 37 no.3:14-16 Mr '62.
(MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut bumazhnoy promyshlennosti.
(Paper--Drying) (Woodpulp)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

ABRAMOVICH, Aleksandr Davidovich; FLYATE, D.M., red.; FILIMONOVA, A.I., red.izd-va; VDOVINA, V.M., tekhn. red.

[Reference book for the press operator of papermaking machines] Posobie pressovshchiku bumagodelatel'noi mashiny. Moskva, Goslesbumizdat, 1963. 108 p.
(MIRA 16:7)

(Papermaking machinery)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FLIATE, D.M.

Book on the coating of paper and paperboard. Bum.prom. [38] no.7: 30 Jl '63. (MIRA 16:8)
(Paper coatings)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

GLOTKO, Ye.D.; FLYAZHNIKOVA, L.F.

Photocolorimetric determination of small amounts of molybdenum in products containing selenium and tellurium. Sbor.trud. VNIITSVETMET no.9:26-29 '65.
(MIRA 18:11)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

ALDAKOVA, V.D.; FLYUMEL', N.F.; MITROFANOVA, Ye.B.; SOLOV'YEVA, N.A.

Epidemiological significance of atypical strains of dysentery bacteria. Zhur.mikrobiol., epidem. i immun. 27 no.3:23 Mr' 56. (MLRA 9:7)

1. Iz kafedry epidemiologii I Moskovskogo meditsinskogo instituta.

(SHIGELLA,
dysenteriae, atypical strains, epidemiol. significance (Rus))

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOALE, P.

TECHNOLOGY

Periodicals: CELULOZA SI HIRTIE. Vol. 7, no. 8, Aug. 1958

FOALE, P. Some considerations relative to the level of the Danube River waters. p. 313

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2, February 1959, Unclass.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOBER, H.; KEMPINSKI, S.; LEDWOCH, Z.

"Efficiency of Donbass combines in Poland. Biuletyn."

p. 1 (Przeglad Gorniczy) Vol. 12, no. 2, Feb. 1956
Katowice, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOBER, H.

"Speed of the cutting chain and the performance of a longwall cutter."

p. 58 (Przeglad Gorniczy) Vol. 12, no. 2, Feb. 1956
Katowice, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOBER, H., Kempinski, S.; Ledwoch, Z.

The results of working with the Donbas combines in Poland. p. 3.
(PRACE. No. 17, 1956, Katowice, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957. Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCHEM, K.

Problems of grid irradiation. Magy. radiol. 10 no.3:170-174 Sept 58.

1. A Becsi Orvosegyetem I. sz. noi klinikajanak (igazgato: prof. T. Antoine dr.) kozlemenye.
(RADIOTHERAPY, in various dis.
cancer, grid irradiation (Hun))
(NEOPLASMS, ther.
radiother., grid irradiation (Hun))

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

BIEDA, S.; FOCHEM, K.

Role of roentgenodiagnosis in obstetrics. Ginek. Pol. 33 no.2:153-159 '62.

1. Z I Kliniki Chorob Kobiecych Uniwersytetu w Wiedniu Kierownik Kliniki: prof. dr T. Antoine.

(OBSTETRICS) (RADIOGRAPHY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

BIEDA, S.; FOCHEM, K.

Role of the anterior height of the pelvis in labor prognosis. Ginek. pol. 33 no.6:717-722 '62.

1. Z I Kliniki Chorob Kobiecych Uniwersytetu w Wiedniu Kierownik Kliniki: prof. dr T. Antoine.

(PELVIMETRY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

BARANYAI, Pal, dr.; FOCHER, Laszlo, dr.

Data on constitutional role of Pelger-Huet anomaly. Orv. hetil. 102 no.38:1782-1785 17 S '61.

1. Fovarosi Tanacs Heim Pal Gyermekkorhaza, Laboratorium es Idegosztaly, Budapest.

(LEUKOCYTES) (EPILEPSY blood)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

[illegible], [illegible], [illegible], [illegible]

[illegible] configuration of leucocytes in males in prepuberty. Acta paediat. acad. sci. Hung. 5 no.1:[illegible] '64.

[illegible] Children's Hospital (Director: Dr. J. [illegible]), Budapest.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCHER, Laszlo, dr.; SZEKESSY, Vilma, dr.

Epilepsy following Di-Per-Te vaccination in monozygotic twins. Orv. hetil. 105 no.43:2045-2048 O 25 '64.

1. Fovarosi Tanacs Heim Pal Gyermekkorhaz, Idegosztaly (vezeto: Focher Tamas dr.)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCHER, Laszlo, dr.

Nocturnal enuresis in children. Orv. hetil. 105 no.3:119-122 Ja 17 '64.

1. Fovarosi Tanacs, "Heim Pal" Gyermekkorhaz, Idegosztaly (feorvos: Focher Laszlo dr.)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCK, Jeno

Let us accelerate socialist construction, let us develop our economic achievements. Munka 10 no.3:6-7 Mr '60.

1. Magyar Szocialista Munkaspart Politikai Bizottsaganak tagja, a Kozponti Bizottsag titkara.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCK, Jeno

Our economics leaders should assume more responsibility in fulfilling the plans and increasing productivity. Ujit lap 12 no.3:7 10 F '60.

1. Magyar Szocialista Munkaspart politikai bizottsaganak tagja.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCK, Jeno (Budapest)

Our salute to the 3d National Conference of Innovators and Inventors.
Ujit lap 13 no.23:3 D '61.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

[illegible], I.

"New method in the soap industry; the manufacture of soap in a vacuum according to the Mazzoni system."
Kemija U Industriji, Zagreb, Vol 2, No 12, 1953, p. 377

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

Polymorphism of soap and the Mazzoni process. Miloš Fock. *Seifen-Öle-Fette-Wachse* 81, 348, 382–4(1955); cf. *C.A.* 49, 14352*f*.—The effect of the Mazzoni process on the cryst. phases in soaps is investigated by x-ray analysis of 2 soap cakes, *A* contg. approx. 62% fatty acids and some coconut oil in the raw material and *B* contg. approx. 70% fatty acids and produced from tallow fats of low titer. The relative intensities of the rings corresponding to the α phase (diam. 2.95 A.) and β phase (diam. 2.75 A.) are detd. For *A*, the ratio of the intensities is 1.5:1, and for *B*, 1:3; this shows some conversion of α to β phase. The δ phase is absent in soap produced according to the Mazzoni process.
Maria E. W. Torok

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

Homogeneity, Covariance and Relativity

4
1-F\W

Fock, V. A. Homogenität, Kovarianz und Relativität. Czechoslovak J. Phys. 7 (1957), 255–261.

The author wishes to stress the fact that in his opinion the use of the term "relativity" in the manner in which it is prevelent in the literature on the general theory of relativity is not only misleading but also seems to indicate a lack of understanding of fundamentals. His reasons for this opinion are based on a close analysis of the meaning of the terms (1) "homogeneity" of the space-time continuum, and (2) "covariance" of equations (laws of nature). It is shown that these concepts are fundamentally distinct and are expressed mathematically in distinct ways: the first by the existence of transformations which leave invariant the expression for the 4-dimensional distance between two points of (Galilean) space-time, including the coefficients g_{ij} (which is not generally possible in Riemannian spaces, so that the latter are inhomogeneous), while the second concept generally involves transformations which themselves entail transformations of the g_{ij}. Such composite transformations, or covariance with respect to them, are not directly connected with the homogeneity (or

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Fock, V.A.

4
1-F\W

lack of homogeneity) of the space. Yet both these concepts, viz. homogeneity of space-time and covariance, are often described by the same word "relativity". If this word is to imply homogeneity, the so-called general theory of relativity is not relativistic, while if the word is to imply covariance, the latter theory is no more relativistic than, for instance, classical mechanics (the example of the covariance of the equations of Lagrange is cited).

H. Rund (Durban). 16

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCK, W.

FOCK, W. Copernican System and Ptolemaic System in the Light of the Modern Theory of Gravitation. Postepy fizyki, Warszawa (Polish Physics Society), 1954, v. 5, no. 1, p. 3.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

STANKOVIC, D.; KANTA, F.; ALJINOVIC,M.; FOCO, S.

Hearing disorders following repeated carbon monoxide poisoning. Acta med. Iugosl. 18 no.2:95-106 '64

1. Institut za patolosku fiziologiju i Institut za higijenu i socijalnu medicinu, Medizinskog fakultetu u Sarajevu.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

RUMANIA / Chemical Technology. Chemical Products and Their Applications. Chemical Wood Products. Hydrolysis Industry. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13336.

Author : Vasilescu, I.; Focsa, C.; Cojocaru, C.
Inst : Not given.
Title : Production of Nutritional Yeasts in Hydrolyzates of Cane Wastes.

Orig Pub: Lucrarile Inst. cercetari aliment., 1958, 2, 9-20.

Abstract: Production of celulose from cane can be profitable by utilizing its wastes. These wastes in the form of hydrolyzates and spent crude alkalis can be used for the production of nutritional yeasts. A hydromodel of hydrolysis was established. A process was developed for adapting yeasts of the Torulopsis utilis type to hydrolyzates of cane

Card 1/2

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POLAND / Chemical Technology. Chemical Products and Their Applications. Chemical Wood Products. Hydrolysis Industry. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13323.

Abstract: investigated for saturated wood not subjected to flushing as well as for wood saturated and alkalized with water. The corrosive effect of NaCl and H_2SiF_6 solutions on common steel was studied. It was established that the method indicated for saturation is useful for wood saturation. Outlay for such saturation is six times lower than with the "flural'sil'" which is usually used. -- From the author's resume.

Card 2/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, Carmen

Determining filtering quality of Rumanian diatomites. Studii cerc chimie 10 no.2:267-273 '62.

1. Laboratorul de industrii fermentative, Institutul de cercetari alimentare, Bucuresti.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

L 33038-66 T DJ/WE

ACC NR: AP6024217 SOURCE CODE: RU/0007/65/016/009/0488/0491

AUTHOR: Vasilescu, I.--Vasilesku, I.; Focsa, Carmen--Foksha, K. 30 B

ORG: none

TITLE: Method of estimating the n-paraffin hydrocarbons in gas-oils subjected to microbiological dewaxing

SOURCE: Petrol si gaze, v. 16, no. 9, 1965, 488-491

TOPIC TAGS: hydrocarbon, dewaxing, urea, petroleum product, petrochemistry

ABSTRACT: A description of a method for determining n-paraffin hydrocarbons in gas-oils subjected to microbiological dewaxing. The method employs the property of urea of forming adducts with the n-paraffin hydrocarbons with more than 7 carbon atoms, and has been checked with pure n-hexadecane as reference substance. Use of the method for a gas-oil before and after dewaxing gave n-paraffin values of 22.5 and 0.15 percent respectively. Orig. art. has: 4 tables. [Based on authors' Eng. abstract] [JPRS]

SUB CODE: 11, 07 / SUBM DATE: none / OTH REF: 007

Card 1/1 UDC: 665.545.3:547.21.04:665.521.4 0915 1868

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

JUGUREANU, N., ing.; FOCSA, I., ing.; TAT, Sabin, ing.

Technique of shooting in atmospheric methane in advancing work where detonating explosives are used. Rev min 13 no.8:384-389 Ag '62.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, I., ing.; TAT, S., ing.; FUICREA, D., tehn.

Research organized for the determination of thermoresistant explosive manufacture formulas and the results obtained in experimenting with them in mines with high temperatures. Rev min 14 no.9:410-412 S '63.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, I., ing.; TAT, S., ing.

Achievements obtained in the problem of fireproof explosives.
Rev min 15 no.11:560-562 N '54.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, VIRGIL

RUMANIA/Chemical Technology - Chemical Products and Their Application. Ceramics. Glass. Binders. Concrete. H-13

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25855

Author : Focsa Virgil, Alexandrescu Adrian, Alexandrescu Florica

Inst : Iasi Polytechnic Institute.

Title : Foam-Ceramics and the Possibilities of Their Use in Building.

Orig Pub : Bul. Inst. politchn. Iasi, 1956, 2, No 3-4, 389-400.

Abstract : Results of investigations of a new building material -- foam-ceramics (FC), produced by firing at 900-950° a mixture of clay and foaming agent. Decrease of shrinkage of the utilized raw material, containing up to 32% of clay, was attained by the use of clay that had been dehydrated at 400°, in an amount of 20% with addition of 0.5-1% cement. Thermal coefficients of articles

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Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25855

made of FC are from 0.09 to 0.19 cal/m^3. The characteristics of FC thus produced are given as well as the fields of their utilization.

Card 2/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, V.

Calculation of longtidudinal reingorced masonry sections. p. 126.
(Standardizarea, Vol. 9, No. 3, Mar. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug. 1957. Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, V.

TECHNOLOGY

Periodicals: REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII
Vol. 10, no. 10, Nov. 1958

FOCSA, V. Thermal behavior of roofs of certain industrial buildings. p.488

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, Virgil; RADU, Adrain (Jassy, Rumania)

Determination of the mean coefficient of heat penetration through layered walls by the method of thermal fields.
Archiw inz lad 9 no. 4: 407-418 '63.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSA, V., conf. ing.; RADU, A., ing.; VERES, Al. ing.

Thermal resistance of masonry work in materials with vertical holes. Rev constr si mat constr 15 no. 11: 586-591 N '63.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

PITIS, I., dr; FOCSAMEANU, A., dr inz.; ANTONIU, M.; WOYNAROWSKI, Zbigniew, doc. inz. [translator]

Studies on mold resistance of some electroinsulating compounds. Przegl elektrotechn 39 no.12:472-474 D'63.

1. Instytut Elektrotechniki, Bukaresat (for Pitis, Focsameanu, Antoniu). 2. Politechnika, Gdansk (for Woynarowski).

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSANEANU, A.

Category : RUMANIA/General Problems - Problems of Teaching A-3

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 2818

Author : Focsaneanu, Antonia
Title : Teaching the Topic "Electromagnetic Induction."

Orig Pub : Gaz. mat. si fiz., 1956, A8, No 3, 147-159

Abstract : No abstract

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSENEANU, H.

"Takeover. The growth of monopoly in Britain, 1951-1961" by William Mennell. Reviewed by H.Focseneanu. Probleme econ 16 no.12:137-140 D '63.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

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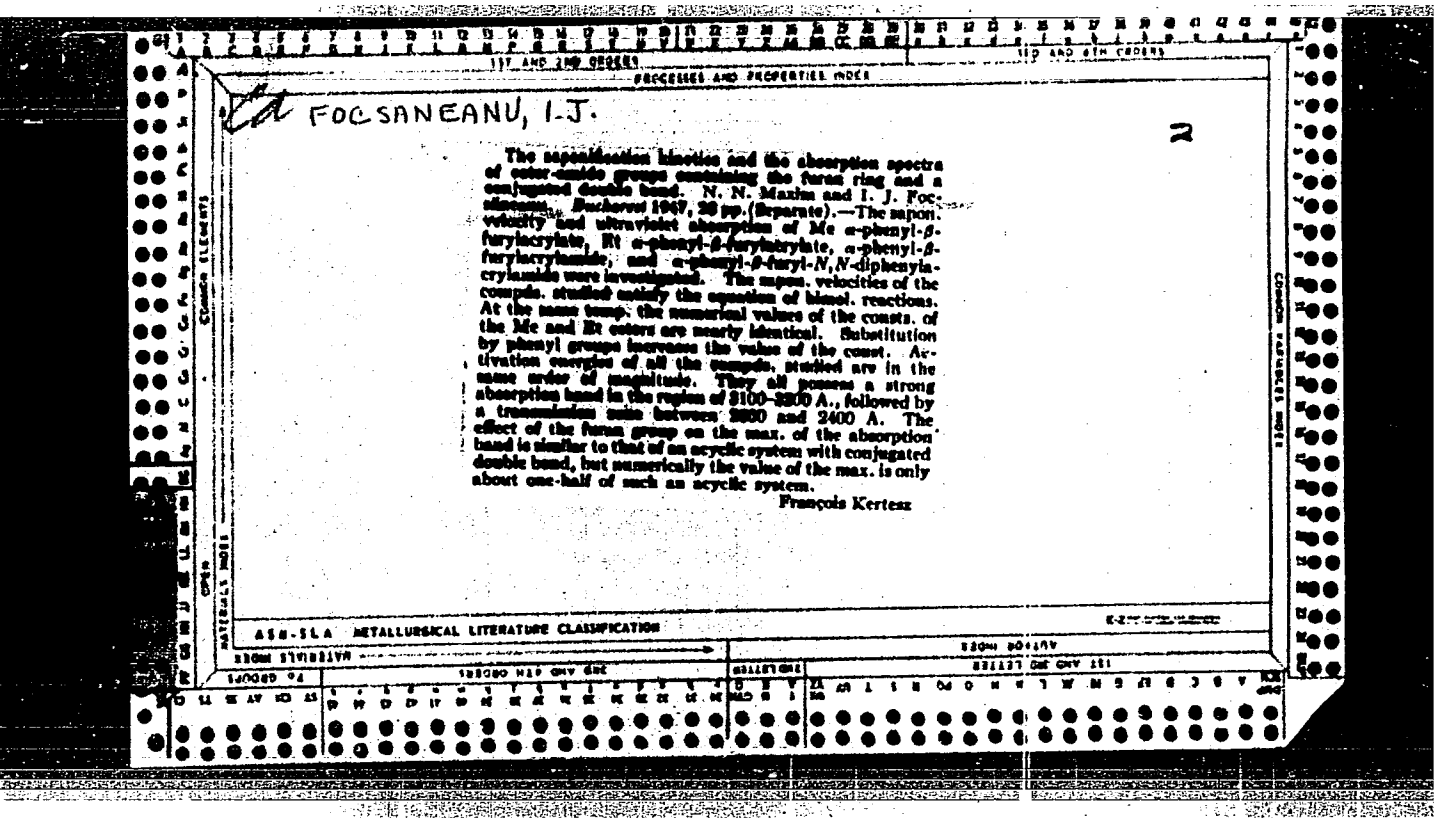

FOCSANEANU, I.J.

2

The saponification kinetics and the absorption spectra of ester-amide groups containing the furan ring and a conjugated double bond. N. N. Maxim and I. J. Focsaneanu. *Bucharest* 1949, 26 pp. (Separate).—The saponification velocity and ultraviolet absorption of Me α-phenyl-β-furylacrylate, Et α-phenyl-β-furylacrylate, α-phenyl-β-furylacrylamide, and α-phenyl-β-furyl-*N*,*N*-diphenylacrylamide were investigated. The saponn. velocities of the compds. studied satisfy the equation of bimol. reactions. At the same temp. the numerical values of the consts. of the Me and Et esters are nearly identical. Substitution by phenyl groups increases the value of the const. Activation energies of all the compds. studied are in the same order of magnitude. They all possess a strong absorption band in the region of 3100–3300 A., followed by a transmission zone between 2800 and 2400 A. The effect of the furan group on the max. of the absorption band is similar to that of an acyclic system with conjugated double bond, but numerically the value of the max. is only about one-half of such an acyclic system.

François Kertesz

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSANEANU, I.;SAVULESCU, A.;BONTEA, V.

Effectiveness of some organic preparations in fighting the vine mildew (Plasmopara viticola (Berk. et Curt.) Berl. et de Toni) and the apple speckles (Endostigme inequalis (Cooke Syd.) p. 313.

COMUNICARILE. Bucuresti, Rumania. Vol. 8, no. 3, Mar. 1958.

Monthly List of East European Accession (EEAI), LC, Vol. 8, No. 9, September, 1959.

Uncl.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSANEANU I. J.

COUNTRY : Rumania H-18
CATEGORY :

ABS. JOUR. : RZKhim., No. 20 1959, No. 72453

AUTHOR : Savulescu, A.; Bontea, V.; Focsaneanu, I. J.;*
INST. : Rumanian Academy
TITLE : Effectiveness of Domestic Organomercury Preparation in Control of Apple Scab [Endostigme inaequalis (Cooke) Syd.]
ORIG. PUB. : Studii si cercetari biol. Acad. RPR Ser. biol. veget., 1958, 10, No 4, 393-403
ABSTRACT : In testing a number of organic preparations for control of apple scab, to find a substitute for Bordeaux mixture (BM), the most effective was found to be Merphazin, containing phenylmercurochloride. The quality of fruit, their taste, contents of sugar and vitamine C, are higher than those of apples treated with BM. The preparation can be recommended for control of apple scab, at concentration of 0.2% prior to blossoming, and of 0.1% after blossom. To preclude instances of poisoning, other preparations containing no Hg should be used in the last application.

I. Mil'shteyn.

CARD:

* Guta, V.; Giurea, M.

3

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSANU, E.

Stadiul Actual al Technicii Îmbrăcămintilor de Drumuri şi Piste din Beton de Ciment. II. E. Focşanu. *Rev. Transporturilor*, Aug., 1950, pp. 317-320. In Rumanian. Evaluation of current techniques used for concrete runways. 6x.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

FOCSENEANU D.

Category : RUMANIA/Atomic and Molecular Physics - Heat D-4

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6274

Author : Focseneanu, D.
Title : Unavoidable Errors in the Measurement of Temperature

Orig Pub : Metrol. apl. 1956, 3, No 3, 38-40

Abstract : In the measurement of the temperature of any medium, there occur errors owing to the parasitic heat exchenge between the thermometer and those neighboring bodies of media that have a different temperature. The most important cases of parasitic heat exchange are: radiation occurring when measuring the gas temperature, convection due to incomplete immersion of the thermometer in the liquid, convection and radiation occurring when measuring the surface temperature of the solid body by contact, and radiation occurring in the measurement of temperature by means of an optical pyrometer. The first two cases are considered in detail. Recommendations are given for the reduction of the errors.

Card : 1/1

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

MUNTEANU, Corneliu (Bucuresti); PESTROIU, Daniel (Tirgu Jiu); PIRSAN, Liviu (Bucuresti); VOICULESCU, Dan (Bucuresti); ALBESCU, I. (Baragas) PELTEANU, Ioan (Bucuresti); STANCU, I.M. (Bucuresti); CHITESCU, Ion (Bucuresti); STANESCU, Ilie (Sibiu); IONESCU, Traian (Braila); KACSO, F. (Cluj); MANESCU, L. (Rimnicu Vilcea); IONESCU-TIU, C.; FOCSENEANU, M.I.; POPA, Eugen (Iasi); MIHALCA, Dan. (Bucuresti); PELIGRAD Nicolae, prof. (Pitesti); PENA, I. Dorin (Campulung); STANCU, Ion M. (Bucuresti)

Proposed problems. Gaz. mat B 16 no.2:86-91 F '65.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

BEKE, Denes; B. BARCZAI, Marietta; FOCZE, Lajos

Data on the chemistry of heterocyclic, pseudobasic amino carbinols. XX. Preparation of quaternary 3,4-dihydroisoquinoline salts by the interaction of 2-(β-bromoethyl)-benzaldehyde and amines of the 1st order. Magy kem folyoir 67 no.12:517-519 D '61.

1. Budapesti Muszaki Egyetem Szerves-Kemiai Tanszeke. 2. Szerkeszto bizottsagi tag, "Magyar Kemiai Folyoirat" (for Beke).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

S/021/62/000/012/002/018
D251/D308

AUTHOR: Fodchuk, V.I.

TITLE: Some existence and uniqueness theorems for differential equations with a delayed argument

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 12, 1962, 1541-1545

TEXT: The author considers the differential equation with a delayed argument

$$\frac{dx(t)}{dt} = f\left[t, x(t), x(t - \Delta)\right], \qquad (1)$$

where $t \geqslant t_0$, and Δ is some positive delay. The initial conditions are given by

$$x(t) = \varphi(t) \text{ for } t \in \left[t_0 - \quad , t_0\right], \qquad (2)$$

where $\varphi(t)$ is some given positive function, defined in $[t_0 - \Delta, t_0]$. The following general existence and uniqueness theorems, which are analogous to the Carathéodory theorems are proved. Theorem 1:

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Some existence ...

(Existence) If the function $f(t,x,y)$ is defined in the parallelepiped R

$$R: |x - \varphi(t_o)| \leq a, \ |y - \varphi(t_o)| \leq a, \ t_o \leq t \leq t_o + T_o \quad (3)$$

where a and T_o are positive constants, and is commensurate with t for fixed x,y, and is continuous with respect to x,y for fixed t, and if the point $[t_o, \varphi(t_o), \varphi(t_o - \Delta)]$ lies in R, and if there exists in the interval $[t_o, t_o + T_o]$ a function m(t) that is integrable in the Lebesque sense and dominates $|f|$ in R, then for some interval $[t_o - \Delta, t_o + T]$ $T \leq T_o$, there exists a function x(t), absolutely continuous on $[t_o, t_o + T]$ satisfying (1) and (2) almost everywhere, the curve of which lies in R for $t_o \leq t \leq t_o + T$.

Theorem 2: If the conditions of theorem 1 are satisfied, and if x(t) is a solution of (1), (2), and if there exists a function L(t) integrable in the Lebesque sense such that

$$|f(t,\bar{x},\bar{y}) - f[t,x(t),x(t - \Delta)]| \leq L(t) \{ |\bar{x} - x(t)| + |\bar{y} - x(t - \Delta)| \} \quad (5)$$

for an arbitrary point, $t,\bar{x},\bar{y}$, then the solution of (1), (2) is unique.

Card 2/3

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

S/021/62/000/012/002/018
D251/D308

Some existence ...

ASSOCIATION: Instytut matematyky AN URSR (Institute of Mathematics of the AS UkrSSR)

PRESENTED: by Yu.A. Mytropol'skyy, Academician

SUBMITTED: June 9, 1962

Card 3/3

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S/041/62/014/001/004/007
B112/B104

AUTHORS: Rubanik, V. P., Fodchuk, V. I. (Chernovtsy)

TITLE: Existence and properties of a bounded solution of a system of quasi-linear differential-difference equations

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 14, no. 1, 1962, 87 - 92

TEXT: The authors consider a system of quasi-linear differential-difference equations of the form

$$du(t)/dt = \sum_{l=0}^{r} H_l u(t - \Delta_l) + F(t,u(t),u(t - \Delta_1),\ldots,u(t - \Delta_r),\varepsilon).$$

The real parts of the roots of the equation

$$\mathrm{Det}(Ez - \sum_{l=0}^{r} H_l e^{-\Delta_l z}) = 0$$

are assumed to be negative. It is demonstrated that an unambiguous,

Card 1/2

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bounded, asymptotically ($t \longrightarrow \infty$) stable solution $u = \varphi(t, \varepsilon)$ exists, which is periodic if F is periodic. The proofs are due to N. N. Bogolyubov (cf. O nekotorykh statisticheskikh metodakh v matematicheskoy fizike - On certain statistical methods in mathematical physics, K., 1945; Asimptoticheskiye metody v teorii nelineynykh kolebaniy - Asymptotic methods in the theory of nonlinear oscillations, Fizmatgiz, M., 1958). There are 5 references: 3 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: E. M. Wright, The linear difference-differential equations, Proc. Roy. Soc., Edinburg, ser. A, 62, I, 1949; R. Bellman, On the existence and boundedness of solutions of nonlinear differential-difference equations, Ann. Math., 2, 1949.

SUBMITTED: July 23, 1960

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

S/041/62/014/002/008/008
B172/B112

AUTHOR: Fodchuk, V. I.

TITLE: Existence and properties of an integral manifold of a system of differential equations with retarded argument

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 14, no. 2, 1962, 227-231

TEXT: The author considers a system of n+1 equations of the form $\frac{dh(t)}{dt} = Hh(t)+H_1h(t-\Delta)+Q(t,g(t),g(t-\Delta),h(t),h(t-\Delta),\varepsilon)$, $\frac{dg(t)}{dt} = \omega+P(t,g(t),g(t-\Delta),h(t),h(t-\Delta),\varepsilon)$, where $h(t)$ and $h(t-\Delta)$ are vectors of the n-dimensional Euclidean space; $g(t)$ is a scalar function; ω is a constant; Δ is a constant > 0; H and H_1 are constant matrices of the n-th order. Conditions are stated under which the system possesses an integral represented as $h = f(t,g(t),g(t-\Delta),\varepsilon)$. In addition to two theorems relating to the properties of continuity and differentiability of f,

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S/041/62/014/002/008/008
B172/B112

Existence and properties of an ...

a theorem is formulated which states that every solution of the system that fulfills certain initial conditions asymptotically approaches one single integral manifold of the above-mentioned type. The proofs are due to N. N. Bogolyubov.

SUBMITTED: July 22, 1961, Kiyev

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6

43393
S/041/62/014/004/007/007
B172/B112

AUTHOR: Fodchuk, V. I. (Kiyev)

TITLE: On the construction of asymptotic solutions to nonstationary differential equations with lagging argument and small parameter

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 14, no. 4, 1962, 435 - 440

TEXT: The equations of the form $\ddot{x}(t) + p_1(\tau)\dot{x}(t)+q_1(\tau)\dot{x}[t-\nu_1(\tau)]+p_2(\tau)x(t)$ $+q_2(\tau)x[t-\nu_2(\tau)] = \varepsilon f(\tau,x(t), x[t-\nu_2(\tau)], \dot{x}(t), \dot{x}[t-\nu_1(\tau)]; \tau = \varepsilon t$ (1); are considered where ε is a small positive parameter, $\nu_1(\tau)$, $\nu_2(\tau)$ are non-negative functions; f, p_1, p_2, q_1, q_2, ν_1, ν_2 shall be differentiable any number of times for all finite arguments. For τ_0 from $[0,1]$ the degenerate equation $\ddot{x}(t)+p_1(\tau_0)\dot{x}(t)+q_1(\tau_0)\dot{x}[t-\nu_1(\tau_0)] +p_2(\tau_0)x(t)$ $+q_2(\tau_0)x[t-\nu_2(\tau_0)] = 0$ shall have the periodic family of solutions

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On the construction of ... .

$x(t) = a\cdot\cos[\omega(\tau_0)t+\varphi]$ where a and φ are arbitrary constants and $\omega(\tau_0)$ is a simple root of the system $-\omega^2+q_1(\tau_0)\omega\sin[\omega\nu_1(\tau_0)] + q_2(\tau_0)\cos[\omega\nu_2(\tau_0)]=0$, $-p_1(\tau_0)\omega-q_1(\tau_0)\omega\cos[\omega\nu_1(\tau_0)] + q_2(\tau_0)\sin[\omega\nu_2(\tau_0)] = 0$; $n\omega(\tau_0)$ (n=0, 2, 3, ...) must not be roots of this system. The formulation $x(t) = a\cos\psi+\varepsilon u_1(\tau, a, \psi)+\varepsilon^2u_2(\tau, a, \psi)+\ldots$, is chosen for solving (1). In this formulation μ_1, μ_2 are periodic functions of ψ with the period 2π, $\tau=\varepsilon t$, and a, ψ are solutions to the system $\frac{da}{dt} = \varepsilon A_1(\tau,a)+\varepsilon^2A_2(\tau, a)+\ldots$, $\frac{d\psi}{dt} = \omega(\tau)+\varepsilon B_1(\tau, a)+\varepsilon^2B_2(\tau,a)+\ldots$. The measurements made give explicit expressions for A_1, B_1 and u_1.

SUBMITTED: June 14, 1962

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330010-6"