

SINEV, N.M.; KRASIN, A.K.; BYCHKOV, I.F.; BLOKHIN, O.I.; BRODER, D.L.;
GABRUSEV, V.N.; DUBNIKOV, Yu.V.; ZHIL'TSOV, V.A.; KOPTEV, M.A.;
KOMAROV, A. Ya. [deceased]; KOTOV, A.P.; LANTSOV, M.N.;
LISOCHKIN, G.A.; MERZLIKIN, G.A.; MOROZOV, I.G.; OREKHOV, Yu.I.;
SERGEYEV, Yu.A.; SLYUSAREV, P.N.; USHAKOV, G.N.; FEDOROV, N.V.;
CHERNYY V.Ya.; SHMEL'N, V.M.

TES-3 small-scale atomic power plant. Atom. energ. 17 no.6:
448 D '64 (MIRA 18:1)

KOMAROV, B., inzhener-polkovnik

Problems in shortwave radio communications. Voen. sviaz. 16
no. 6:18-20 Je '58. (MIRA 11:?)

(Radio, Military)
(Radio, Shortwave)

Institution :

Submitted :

KOMAROV, B. A.

COUNTRY : USSR
 CATEGORY : Cultivated Plants. Cereals. M
 REF. JOUR. : ZHBIol., No.14, 1958, No.63366
 AUTHOR : Trofimov, M. M., Komarov, B. A.
 INST. : -
 TITLE : Cultivation of Rice in Saratov Oblast'.

ORIG. PUB. : V sb.: Kratkiye itogi nauchno-issled. raboty (Kubensk. ris. opyt. st.) za 1956 g. Krasnodar, "Sov. Kuban'", 1957, 138-44.
 ABSTRACT : The soil and climatic conditions of Saratovskoye Zavolzh'ye (permits production of a yield of 30-40 c/ha (1954-1956 trials) with the cultivation of rapidly maturing varieties. The principal methods of agricultural technique for rice in Zavolzh'ye are: irrigation with reduced flooding, thicker plantings, measures directed towards the shortening of the vegetative period. — O. V. Yakushkina

Cerd: 1/1

KOMAROV, B. A.

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COUNTRY : USSR
 CATEGORY : Cultivated Plants. Cereals.

ABS. JOUR. : ZHURNAL, No. 23 1958, No. 104660

AUTHOR : Komarov, B. A., Trofimov, M. M., Il'icheva, O. M., et al.
 INST. : Saratov Agricultural Institute
 TITLE : Rice in Saratov Oblast'

GRID. PUB. : Tr. Saratovsk. s.-kh. in-ta. 1957. 10. 138-150

ABSTRACT : Climatic and soil conditions of the left shorelines of Volga permit rice growing. A number of varieties with a short vegetative period have been brought out for the cultivation of rice in the oblast'. The varieties recommended produced grain yields of 20-30 centners/ha. In quality and chemical composition, the grain was not inferior to the varieties grown in the southern regions of Ukrainian SSR. Measures of agricultural technique for rice are cited: sowing dates, seed planting depth, methods of sowing, application of water and the maintenance of the crop.

Card: 1/1

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IVAKHNENKO, A.G. [Ivakhnenko, O.H.] (Kiyev); KOMAROV, B.A. [Komarov,
B.O.] (Kiyev)

Undercompensation, absolute invariance and overcompensation in
automatic control systems. Avtomatyka 9 no. 2:16-32 '64.
(MIRA 17:5)

KONAROV, B.D., Cand Med Sci--(diss) "Dyname-cardiographic study of
patients with a congenital ^{dextro-position} ~~right-sided~~ defect of the cardiac bulb~~s~~."
Mos, 1958. 16 pp (Second Mos State Med Inst in N.I. Pirogov), 200 co-
pies (IL,26-58, 116)

- 47 -

KOMAROV, B.D.

Dynamocardiographic study of patients with congenital defects
(tetralogy of Fallot) Eksper.khir. 3 no.4:35-40 JI-Ag '58

(MIRA 11:9)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I. Spasokukotskogo
(dir. - deystritel'nyy chlen AMN SSSR prof. A.N. Bakulev) II
Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

(TETRALOGY OF FALLOT

dynamocardiographic study (Rus))

KOMAROV, B.D.

Dynamocardiographic examination of healthy children aged 8 to 15 years [with summary in English]. *Biul. eksp. biol. i med.* 46 no. 8: 10-15 Ag '58 (MIRA 11:10)

1. Iz laboratorii fiziologii krovoobrashcheniya i dykhaniya (zav. akademik AN ~~USSR~~ Ye. B. Babitskiy) Instituta grudnoy khirurgii (dir. - deystivitel'nyy chlen AMN SSSR A. N. Bakulev) AMN SSSR, Moskva. Predstavlena deystivitel'nyy chlenom AMN SSSR A. N. Bakulevym.
(BALLISTOCARDIOGRAPHY,
cardiohemodynamographic exam. of healthy child (Rus))

BAKULEV, A.N.; RYNEYSKIY, S.V.; SAVEL'YEV, V.S.; BUYANOV, V.M.;
ZUBAREV, R.P.; KOMAROV, B.D.; KOSTENKO, I.G.; MOROZOV, Yu.I.

New method for extracorporeal blood circulation. Grud. khir.
2 no.4:3-5 JI-Ag '60. (MIRA 15:6)

1. Iz kliniki fakul'tetskoy khirurgii imeni Spasokukotskogo
(dir. - akademik A.N. Bakulev) II Moskovskogo meditsinskogo
instituta imeni N.I. Pirogova. Adres avtorov: Moskva, Leninskiy
prosp., d.8, Institut grudnoy khirurgii.
(BLOOD--CIRCULATION, ARTIFICIAL)

YEROKHINA, L.G.; KOMAROV, B.D. (Moskva G-48, Komsomol'skiy prospekt,
d.36, kv.107)

Neurologic complications in plastic surgery on aortic co-
arctation. Grud.khir. 4 no.6:33-37 N-D'62 (MIRA 16:10)

1. Iz kliniki nervnykh bolezney (zav. - prof. N.K.Bogolepov)
i kliniki fakul'tetskoy khirurgii (zav. - akademik A.N.
Bakulev) II Moskovskogo meditsinskogo instituta.

(AORTA SURGERY)
(SURGERY—COMPLICATIONS AND SEQUELAE)

KOMAROV, B.D.

Dynamocardiographic examination in congenital heart defects.
Terap.arkh. no.6:93-97 '62. (MIRA 15:9)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. - akad. A.N. Bakulev) imeni S.I. Spasokukotskogo II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(HEART--ABNORMITIES AND DEFORMITIES) (HEART BEAT)

KOMAROV, B.D., kand. med. nauk; GRINBERG, A.A.; ZATEVAKHIN, I.I.

Angiography in the diagnosis of arterial diseases of the lower
extremities. Klin. khir. no.10:41-45 0 '62. (MIRA 16:7)

1. Fakul'tetskaya khirurgicheskaya klinika imeni S.I. Spasokukotskogo
2-go Moskovskogo gosudarstvennogo meditsinskogo instituta im.
Pirogova (dir.- akademik A.N. Bakulev) i 1-ya Moskovskaya
gorodskaya klinicheskaya bol'nitsa.

(ANGIOGRAPHY) (ARTERIES—DISEASES)
(EXTREMITIES, LOWER—DISEASES)

IOFFE, L.A.; ANOKHIN, L.A.; KOMAROV, B.D.

Changes of cardiac activity in myasthenia during the use of anticholinesterase preparations (oxazil and proserine).
Terap. arkh. 34 no.12:99-104 D'62. (MIRA 16:6)

1. Iz laboratorii klinicheskoy fiziologii (zav. - akad. AN UkrSSR Ye.B.Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR i iz fakul'tetskoy khirurgicheskoy kliniki (direktor - akademik A.N.Bakulev) II Moskovskogo meditsinskogo instiuta imeni N.I.Pirogova.
(MYASTHENIA GRAVIS) (HEART—DISEASES)
(PARASYMPATHOMIMETICS)

VOZNYUK, Ye.I.; KOMAROV, B.D.

Use of radioactive phosphorus in the diagnosis of stomach cancer.
Khirurgiia 38 no.12:60-62 D '62. (MIRA 17:6)

1. Iz kafedry fakul'tetskoy khirurgii lechebnogo fakul'teta
(zav.- akad. A.N. Ba'ulev) i kafedry rentgenologii i radiologii
(zav. - prof. V.A. D'yachenko) II Moskovskogo meditsinskogo
instituta N.P. Pirogova.

BAKULEV, A.N., akademik (Moskva, pl., Vosstaniya, d.1, kv.35); KOMAROV, B.D.

Surgical treatment of patients with aneurysms of the thoracic
aorta. Grud.khir 5 no.1:65-71 Ja-F'63. (MIRA 16:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. akademik A.N.
Bakulev) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova
i sosudistogo otdeleniya (zav.- doktor med.nauk Yu.Ye.Berezov)
Instituta serdechno-sosudistoy khirurgii (dir.-prof.S.A.Kolesnikov)
AMN SSSR.

(AORTIC ANEURYSMS) (AORTA—SURGERY)

BAKULEV, A.N.; KOMAROV, B.D.

Results of radical surgical treatment of aortic aneurysms.
(MIRA 17:9)
Vest. AMN SSSR 18 no.9:19-25 '63.

1. II Moskovskiy meditsinskiy institut imeni Pirogova.

KOMAROV, B.D., kand. med. nauk (Moskva)

Clinical aspects and diagnosis of aneurysms of the abdominal
segment of the aorta. Klin. med. 41 no.2:146-151 F*63
(MIRA 17:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I. Spasokukotskogo (dir. - akademik A.N. Bakulev) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova i otdeleniya sosudistoy khirurgii (zav. - doktor med. nauk Yu.Ye Berezov) Instituta khirurgii serdtsa i sudov (dir. - prof. A.S. Kolesnikov) AMN SSSR.

KOMAROV, B.D., kand. med. nauk (Moskva, G-48, Komsomol'skiy pr., 36, kv.107)

Resection of the abdominal aorta and the main vessels in aneurysm.
Vest khir. no.7:104-107 J1 '64. (MIRA18:4)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. - akademik A.N. Bakulev) 2-go Moskovskogo meditsinskogo instituta imeni Pirogova.

BOYCHEVSKAYA, N.O. (Moskva, Bol'shaya Dorogomilovskaya, 1, kv.6); GRINBERG, A.A.
KOMAROV, B.D.

Kidney function before and following reconstructive surgery of the
abdominal aorta. Vest. khir. 92 no.1:44-47 Ja '64. (MIRA 17:11)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni Spasokukotskogo
(dir. - akademik A.N. Bakul'sv) 2-go Moskovskogo meditsinskogo in-
stituta imeni Pirogova.

BEREZOV, Yu.Ye., prof.; SAVEL'YEV, V.S., prof.; KOMAROV, B.D., kand. med. nauk

Surgical technique in aneurysms of the abdominal aorta. Khirurgiya
40 no.11:16-21 N '65. (MIRA 18:7)

1. Klinika fakul'tetskoy khirurgii (dir. - akademik A.N.Bakulev)
II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni
Pirogova.

BAKULEV, A.N., akademik; KOMAROV, B.D. kand. med. nauk; GRINEBERG, A.A.

Aortography in the diagnosis of diseases of the abdominal aorta
and the iliac arteries. Vest. rent. i rad. 37 no.5:3-9 S-0 '62.
(MIRA 17:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I. Spasokukotskogo
(direktor - akademik A.N. Bakulev) II Moskovskogo meditsinskogo
instituta im. N.I. Pirogova. Adres avtora: Moskva, ploshchad'
Vosstaniya, dom 1, kvartira 35.

KOROBOV, B. I.

AUTHORS: Korobov, B. F., and Komarov, B. I. 65-58-4-9/12

TITLE: Evaluation of the Stability of Kerosene Type Fuels by Pumping Through Fuel Pumps of Turbojet Engines
(Otsenka stabil'nosti topliva tipa kerosina prokachkoy cherez toplivnyye nasosy turboreaktivnogo dvigatelya)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr 4, pp 51 - 54 (USSR)

ABSTRACT: A method for the evaluation of the stability of kerosene fuels was developed by VNII NP, by pumping the fuel through a turbo jet engine. Several laboratory methods are known for evaluating the stability of kerosene type fuels; however, these are unsatisfactory because they are carried out under static conditions which differ considerably from the conditions existing in an actual heating system. A scheme of the testing device is given in a diagram on page 53. The samples of the fuel are tested on this device and in a thermostat. 60 litre of fuel are poured into a test apparatus and pumped by circulation in eight stages at a temperature of 50°C; each stage is divided into two half-hour stages with a sufficiently long interval between the half stages to allow the fuel to be cooled to the temperature of the surrounding medium. The

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65-58-4-9/12

Evaluation of the Stability of Kerosene Type Fuels by Pumping Through Fuel Pumps of Turbojet Engines

fuel is changed every eight hours, and the input is 1500 liters during the whole time of the investigation (25 stages). During the intervals between the stages (5 - 7 days) the pumps are kept at a temperature of 40°C in a thermostat. After 50, 100 and 200 hours of the experiment, the pumps are partly dismantled and inspected to determine whether any deposits have formed on the parts of the test apparatus. When pumping kerosene fuel for 50 - 100 hours, tar deposits are formed on the surface of parts of an apparatus made from antimony bronze VB-24, but no changes were observed on parts made from aluminium bronze BrAZhN10-4-4. VNII NP together with VIAM (Ref.1) developed types of bronze of modified composition which showed decreased catalytic action e.g. antimony bronze B8-24N. Comparative tests were carried out with kerosene fuel on pumps made of three types of alloys on a copper basis; aluminium,

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65-58-4-9/12

Evaluation of the Stability of Kerosene Type Fuels by Pumping
Through Fuel Pumps of Turbojet Engines

antimony and antimony - nickel bronze. Results obtained on these three types of bronze after fifty-hour tests are compared. VNII NP also carried out parallel experiments with various types of anti-oxidants. Satisfactory results were obtained when adding p-oxydiphenylamine. These experiments were carried out over a period of 200 hours (six months). There is 1 Figure, 1 Russian Reference.

Card 3/3

1. Jet engine fuels-Stability-Test results
2. Antioxidants-Test results
3. Bronze alloys-Effects of fuels-Test results

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Longitudinal capacitance compensation of voltage drop in mine
panel circuits. Nauch.dokl.vys.shkoly; gor.delo. no.4:137-146
' 58. (MIRA 12:1)

1. Predstavleno kafedroy obshchey elektrotehniki i elektriche-
skikh mashin Leningradskogo gornogo instituta imeni G.V.
Plekhanova.

(Electricity in mining)
(Condensers (Electricity))

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Self-excitation of asynchronous motors with series capacitors.
Elektrichestvo no.5:38-44 My '61. (MIRA 14:9)

1. Leningradskiy gornyy institut.
(Electric motors, Induction)

NIKOLAYEVA, V.G.; DUKHNINA, A.Ya.; KOMAROV, B.I.; LEVINSON, G.I.; Prinsipal'
uchastiye: KOLOTUSHKINA, Ye.V., inzh.; BORISKINA, N.A.

Investigation of the anticorrosive additives to residual fuels
containing vanadium and sulfur. Khim. i tekh. topl. i masel.
6 no.10:17-22 O '61. (MIRA 14:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Fuel--Additives) (Corrosion and anticorrosives)

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Laboratory study of an apparatus for longitudinal capacitive compensation of voltage losses in an electric power distribution network in a mine. Izv. vys. ucheb. zav.; gor. zhur. 6 no.3: 93-100 '63. (MIRA 16:10)

1. Leningradskiy ordena Lenina i Trudovogo Krasnogo Znameni gornyy institut imeni G.V.Plekhanova. Rekomendovana kafedroy obshchey elektrotekhniki i elektricheskikh mashin.

S/262/62/000/011/015/030
I007/1252

AUTHORS: Nikolayeva, V. G., Dukhina, A. Ya, Komarov, B. I. and Levinson, G. I.

TITLE: Data on the use of anticorrosive additives to vanadium- and sulfur-containing heavy (residual) fuels

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye udtanovki, no. 11, 1962, 39, abstract 42.11.189. (In Collection Prisdki k maslam i toplivam, M., Gostoptekhizdat, 1961, 374-380)

TEXT: Laboratory test results are reported on the corrosive action of ash from various oil grades of Eastern oil fields, as well as on the influence of additives containing magnesium, silicon and aluminum. Tests on ЭИ-481 (EI-481); ЭИ-417 (EI-417) and ЭИ-607 (EI-607) steels showed after 10 hrs, metal losses of 1.92, 0.66 and 0.35% respectively. Data are given on the corrosion of steels in a gas stream. There are 2 figures and 3 tables.

✓ B

[Abstracter's note: Complete translation.]

Card 1/1

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Problem concerning the efficiency of using series connected condensers for compensating losses in the power distribution networks of ore-smelting furnaces. Elektrichestvo no.1:21-25 Ja '62. (MIRA 14:12)

1. Leningradskiy gornyy institut imeni Plekhanova.
(Electric furnaces)
(Electric power distribution)

BAUMAN, V. G., inzh.; IVANOV, O. V., inzh.; KOMAROV, B. I., inzh.

Power engineering factors in the operation of the main electro-
mechanical equipment of a section in shale mines. Izv. vys.
ucheb. zav.; gor. zhur. no.9:132-139 '61. (MIRA 15:10)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo
Znameni gornyy institut imeni G. V. Plekhanova. Rekomendovana
kafedroy obshchey elektrotehniki i elektricheskikh mashin.

(Electricity in mining) (Shale)

RYS'YEV, A. V., prof.; IVANOV, starshiy prepodavatel'; BAUMAN, V. G.,
assistant; IVANOV, A. I., assistant; KOMAROV, B. I., assistant

Practice of a new organization of laboratory assignments. Izv.
vys. ucheb. zav.; gor. zhur. no.9:179-182 '61.
(MIRA 15:10)

1. Leningradskiy ordenov Lenina i Trudovogo Krasnogo Znameni
gornyy institut imeni G. V. Plekhanova.

(Electricity in mining—Study and teaching)

L 22181-66 BWT(m)/BWA(d)/T/SPF(t) IJP(e) JD/WB/WE

ACC NR. AP6007933

SOURCE CODE: UR/0065/66/000/003/0054/0057

AUTHOR: Nikolayeva, V. G.; Komarov, B. I.; Kolotushkina, Ye. V.; Medvedev, S. P.; Ostroushchenko, M. S.

ORG: none

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63
B

TITLE: High temperature corrosion of metals during combustion of distilled gas-turbine fuels

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 3, 1966, 54-57

TOPIC TAGS: corrosion, solid mechanical property, gas turbine fuel, turbine engine

ABSTRACT: The effect of sulfur content (0.3-2.4%) in vacuum distillation residue and diesel oil fuels on corrosion of gas-turbine metal blades was investigated in the 650-850°C range using a laboratory scale combustion unit. The test duration was 100 hrs. The corrosion of steel and alloy blades in a gas stream during combustion of the thermal catalytic cracking distillates is shown in figure 1. It was found in the cases of EI-598 nickel-based and EI-607 alloy steels and high-chromium EI-417 steel that the blade corrosion remains in 0.026-0.066 g/m²·hour limits for a wide range of sulfur content in vacuum residue fuels. For diesel oils the material loss remained within 0.038-0.073 g/m²·hour limits. For fuels containing 2.4% S and 0.007% ash, the in-

UDC: 665.521.3:620.193.5

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ACC NR: AP6007933

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crease in gas temperature from 650° to 850°C resulted in an increase in deposit on

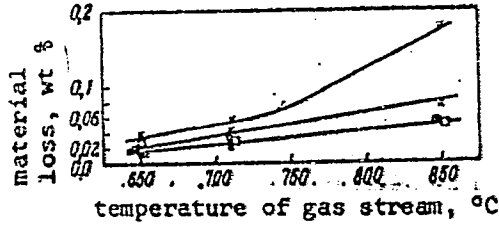


Fig. 1. ● --EI-607 steel; ○--EI-598 steel; []--EI-417 steel; ×--EI-612 steel; V--1Kh18N9T steel.

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blades from 0.001 to 0.002-0.004 g/cm². At 850°C, both the low-sulfur gas turbine fuels and the diesel fuels had blade deposits equal to .0006-0.0026 g/cm². In general, fuels of various origins and FBP up to 480°C can be recommended for use as gas turbine fuels. Orig. art. has: 2 figures, 2 tables.

SUB CODE: 21, 11 SUBM DATE: 00/ ORIG REF: 003/ OTH REF: 003

Card 2/2 BK

KOMAROV, Boris Konstantinovich; GLEBOVA, R.G., red.; SHCHEDRINA,
N.L., tekhn. red.

[Inheritance laws] Zakonodatel'stvo o nasledovani. Mo-
skva, Gosjurizdat, 1963. 25 p. (MIRA 16:7)
(Inheritance and succession)

KOMAROV, B. M.

Komarov, B. M - "Material on the flora of the vicinity of Leninabad and of the Mogol-Tau Range", (Expanded from the first volume of the author's work on "Flora of the Vicinity of Leninabad and the Mogol-Tau Range"), Uchen. zapiski Leninab. gos. ped. in-ta im. Kirova, Issue 1, 1948, p. 7-29, (Resume in Tadzhik).

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

KOMAROV, B.M.

Floristic survey in the vicinity of Leninabad and the Mogol-Tau
Range. Trudy AN Tadzh.SSR 36:63-72 '55. (MLRA 9:11)
(Leninabad--Botany) (Mogol--Tau Range--Botany)

KOMAROV, B.M.

Economic utilization of wild plants in the vicinity of Leninabad
and Mogol-Tau Range. Trudy AN Tadzh.SSR 36:73-82 '55. (MLBA 9:11)
(Leninabad--Botany, Economic) (Mogol-Tau Range--Botany, Economic)

ACCESSION NR: AP4026840

S/0102/64/000/002/0016/0032

AUTHOR: Ivakhnenko, O. G. (Kiev); Komarov, B. O. (Kiev)

TITLE: Undercompensation, absolute invariance, and overcompensation in automatic-control systems

SOURCE: Avtomatyka, no. 2, 1964, 16-32

TOPIC TAGS: automatic control, automatic control error undercompensation, automatic control error overcompensation, automatic control invariance, automatic control error burst

ABSTRACT: The stability of a 2-loop differential system without disturbance coupling is claimed to have been proven experimentally in the zero and negative error ranges. Differentiator inaccuracy equally affects both the combined and differential systems, insofar as their invariant-region-alignment stability is concerned. Experiments were staged on a speed-regulator model with not too abrupt disturbance changes and with $n > m$. Two conditions prevent a positive error burst at the start of a transient: a limited acceleration and a higher order of the left-hand member in $\frac{d\lambda}{dt^q} < \left(\frac{\sigma}{q}\right)_{cr}$ and $0 < q \leq n - m$. With these conditions

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ACCESSION NR: AP4026840

breached, the controlling variable necessary for absolute invariance falls outside the linear part of the characteristic which causes a short burst of positive error. Later on in the process, the occurrence of both positive and zero and even negative dynamic error is possible. This does not hold true for single-loop systems; they cannot be equivalent to negative-error systems and, therefore, the conversion of a multiloop into a single-loop system cannot be justified in this sense. Such a conversion results in a single-loop system with physically unrealizable components (infinite or negative amplification, etc.); this explains the incorrect view that the stable operation of a differential system without disturbance coupling is impossible under absolute-invariance and error-overcompensation conditions. Orig. art. has: 8 figures and 70 formulas.

ASSOCIATION: none

SUBMITTED: 10Nov63

DATE ACQ: 17Apr64

ENCL: 00

SUB CODE: DP, IE

NO REF SOV: 007

OTHER: 001

Card 2/2

KOMAROV, B.P.

Effect of the compression of the flax fiber mass on some of its
physicomachanical properties. Izv. vys. ucheb. zav.; tekhn. teks.
prom. no. 2:32-42 '61. (MIRA 14:5)

1. Kostromskoy tekstil'nyy institut.
(Flax)

KOMAROV, B.P.

Effect of the compression of the linen fiber mass on its physico-
mechanical properties. Izv.vys.ucheb.zav.; tekhn.tekst.prom. no.3:
27-33 '63. (MIRA 16:9)

1. Kestromskiy tekhnologicheskii institut.
(Linen-Testing)

KOMAROV, B.P.

Effect of the compression of the flax fiber mass on its properties.
Report No.2. Izv.vys.ucheb.zav.; tekhn.tekst.prom. no.5:21-25
'62. (MIRA 15:11)

1. Kostromskoy tekhnologicheskoy institut.
(Textile fibers—Testing)

KOMAROV, Boris Semiyevich - Dec 2 1956

KOMAROV, B.S., professor.

Electric power supply of a VRS automatic telephone exchange with a 20 wire capacity, fed by a local electric network. Vest.sviazi 14 no.3:8-10 Mr '54. (MLRA 7:5)

1. Zaveduyushchiy kafedroy MEIS, nauchnyy konsul'tant laboratorii elektropitaniya TsNIIS. (Telephone stations)

MEIS = Moscow Elec Eng. Inst Communications

TsNIIS = Central Sci Res Inst Communications

KOBEYS, N.V.; KOMAROV, B.V.

Prospecting for original diamond deposits by means of aerial methods.
Izv. AN SSSR. Ser. geol. 23 no.2:85-93 F '58. (MIRA 11:5)

1. Laboratoriya aerometodov AN SSSR, Leningrad.
(Yakutia--Diamond mines and mining)
(Aeronautics in geology)

KOMAROV, D.I.

KOMAROV, D.I.; RYABINOVSKIY, M.M.

Processing new types of raw materials at the Luchkovskiy
Dextrin Factory. Sakh.prom. 33 no.9:58-61 S '59.
(MIRA 13:1)

1. Luchkovskiy dekstrinovy savod.
(Luchkovskiy--Dextrin)

KOMAROV, Dmitriy Illarionovich; YUSHIN, Vladimir Alekseyevich; MDROZOVA,
I.I., red.; KISINA, Ye.I., tekhn. red.

[Planning in a fishing collective] Planirovanie v rybolovetskom
kolkhoze. Moskva, Fishchepromizdat, 1960. 175 p.

(MIRA 14:7)

(Fisheries)

KOMAROV, D.T.

Prospects for rural electrification in the Ukrainian S.S.R.
Mekh. sel'. hosp. 9 no.9:23-24 S '58. (MIRA 11:10)

1. Glavnyy inzhener Ukrglavsel'elektro.
(Ukraine--Rural electrification)

KOMAROV, D.T.; LERNER, F.M.

Scientific technical conference. Mekh. i elek. sots. sl'khoz.
16 no.3:59-60 '58. (MIRA 11:6)
(Ukraine--Rural electrification)

KOMAROV, D.T., inzh.-elektrikov

Lower the cost of rural electrification. Mekh.sil'.hosp. 11
no.1:9-10 Ja '60. (MIRA 13:4)
(Rural electrification)

KOMAROV, D.T.

Triumph of Leninist ideas. Mekh. sil'. hosp. 11 no.12:8-10 D '60.
(MIRA 13:12)

1. Glavnyy inzhener "Ukrholovsil'elektro".
(Electrification)

KOMAROV, D.T.

Great program for farm electrification. Mekh. sil'. hosp. 12
no. 6:23-24 Je '61. (MIRA 14:5)

1. Glavnyy inzh. "Ukrgolovsil'elektro."
(Electricity in agriculture)

KOMAROV, D.T., inzh.-elektrik

Results of rural electrification in the German Democratic
Republic. Mekh. sil'. hosp. 12 no.12:28-29 D '61.
(MIRA 17:1)

KOMAROV, D.T., inzh.; MEL'NICHENKO, G.I. [Mel'nychenko, H.I.], inzh.

Automatic control of diesel electric power stations. Mekh. sil'.
hosp. 13 no.4:27-28 Ap '62. (MIRA 17:3)

KOMAROV, D.T.

Engineering problems in the development of rural electrification.
Energ. i elektrotekh. prom. no.1:51-54 '62. (MIRA 15:6)

1. Glavnoye upravleniye sel'skikh elektrostantsiy Ministerstva sel'skogo khozyaystva Ukrainskoy SSR.
(Rural electrification)

KOMAROV, D.T., inzh.

New equipment in rural electrification in the Ukrainian S.S.R.
Mekh.i elek.sots.sel'khoz. 20 no.4:58-61 '62. (MIRA 15:8)

1. Glavnoye upravleniye sel'skikh elektrostantsiy Ministerstva sel'skogo khozyaystva Ukrainskoy SSR.
(Ukraine--Rural electrification)
(Ukraine--Electric power distribution)

KOMAROV, D.T.

Organization of the repair of electric equipment. Mekh. sil'.
hosp. 13 no.9:9-10 S '62. (MIRA 17:3)

1. Zamestitel' nachal'nika Glavnogo upravleniya sel'skikh
elektrostantsiy Ministerstva sel'skogo khozyaystva UkrSSR.

KOMAROV, D.T.

Reliable power supply of rural areas. Energetik. 13 no. 21-4 F '65.
(MIRA 18:6)

KOMAROV, F.P.; KUZ'MINA, Z.D.; IZYUMSKAYA, K.P.

Changes of some characteristics of cellulose during oxidation.
Trudy LTA no.91:89-94 '60. (MIRA 15:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut
tsellyuloznoy i bumazhnoy promyshlennosti.
(Cellulose) (Oxidation)

KCHENY, D.V., inzh.

Prospects for the over-all electrification of agriculture in
the Ukrainian S.S.R. Teploenergetika 8 no.8:11-13 Ag '61.
(MIRA 14:10)

(Ukraine--Rural electrification)

FD-204a-4 AFWL/AME

AFS 0002913

02/0029/0037

Yakovlev, Ya. A.; Ikramov, M.; Zhurav, D. I.; Akhmedov, D. Ya.

Purification of industrial waste waters of the refinery and their biochemical method

8

Technical information for the purpose of the project

Technical information for the purpose of the project

Technical information is presented on the amount, composition and sources of the sewer waters of the Yaroslavl oil refinery plant. However and their biochemical purification. The sewer waters of the refinery were found to be characterized by the presence of petroleum products, volatile and nonvolatile phenols, benzene, fatty acids, and sulfur compounds. In spite of the complex and varied composition of the organic contaminants contained in the sewer waters of the refinery, their biochemical purification was found to be quite possible. It is concluded that the data obtained can be used in the planning of industrial purification installations. **The average oxidative capacity of two-stage aeration installations for the purification of industrial waste waters should be taken to be 1.2 g/m³ at a concentration of 100 mg/l.**

L 10928-65

... active sludge of 4 g/liter with respect to dry matter. Effective
... of the aeration installations required the delivery of 50 cubic
... air per kilogram of reduced biochemical oxygen consumption, at a
... the aeration tanks of 4 meters. The duration of the aeration period
... to depend on the degree of contamination and temperature of the
... purified. For sewer waters analogous to those investigated, an
... period of 18-24 hours, including 6-8 hours for the first stage and
... for the second, is recommended. The temperature of the sewer
... in the range of 20-25°C. ...

ENCL ...

OTHER ...

KARLIN, Ya.A.; IKRAMOV, M.; ZHUKOV, D.D.; KOMAROV, D.Ye.

Investigating the industrial waste waters of a petroleum-lubricant plant and purifying them by the biochemical method. Khim. i tekhn. topl i masel 9 no.8:29-37 Ag '64.

(MIRA 17:10)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni inzhenerno-stroitel'nyy institut im. Kuybysheva.

KOMAROV, F.

Practical problems of introducing a scientific basis for
production administration. Sots. trud 8 no.8:61-68 Ag '63.
(MIRA 16:8)

1. Direktor Proyektno-konstruktorskogo tekhnologicheskogo i
instituta mashinostroyeniya Moskovskogo gorodskogo soveta
narodnogo khozyaystva.

(Moscow—Industrial management)

(Moscow—Electronic data processing)

KOMAROV, F.; KASHUBSKIY, L.

Improving the organization of an enterprise's management. Sots.
trud 6 no.4:62-69 Ap '61. (MIRA 16:7)
(Moscow--Instrument industry)

KOMAROV, F

Секреторная деятельность 'Желудка' Пищеварительных Желез У Человека во время сна
 [Secretary activity of digestive glands in man during sleep] Leningrad, Medgiz, 1953.
 81 p. illus., diagrs., tables.
 "Literatura": p. 75-~~82~~

N/5
 633.5
 .K8

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824020018-6

COUNTRY : USSR
 CATEGORY : Pharmacology, Toxicology. Local Anesthetics ✓

ABB. JOUR. : RZBiol., No. 12 1958, No. 56695

AUTHOR : Andreyeva, A.G., Komarov, F.I., Timeskov, I.S.
 INST. : Leningrad Sanitation-Hygiene Medical Institute
 TITLE : The Problem of the Treatment of Ulcer Patients
 with Novocaine.

ORIG. PUB. : Tr. Leningr. San.-Gigiyen. Med. In-ta, 1957,
 Vol. 31, 87-97

ABSTRACT : Visceral anesthesia by the method of N.I. Leporskiy
 was carried out in 915 patients. In 80.6% of the
 patients, pain disappeared (within 1-2 days), in
 10.5% it diminished. There was simultaneous im-
 provement in appetite and sleep, a reduction or
 disappearance of dyspeptic manifestations. Control
 X-ray studies (over a 2-year period) demonstrated
 in 56% of the patients an absence of the niche
 with good general well-being and freedom from
 symptoms. -- A.Yu. Stychko-Megrin

CARD: 1/1

KOMAROV, F.I.

Effect of the act of eating and digestion on the functional
state of the nervous system. Vest.LGU 14 no.3:120-124 '59.
(MIRA 12:5)

(NUTRITION)

(VISION)

SHILOV, Pavel Ivanovich, prof.; PIIYUSHIN, Petr Viktorovich, kand.
med. nauk; Primal uchastiye BELOV, N.A., kand. med. nauk;
KOMAROV, F.I., red.; KHARASH, G.A., tekhn. red.

[Internal pathology in burns (thermal)] Vnutrenniaia patolo-
giia pri ozhogakh (termicheskikh). Leningrad, Medgiz, 1962.
294 p. (MIRA 15:5)

(BURNS AND SCALDS)

KOMAROV, F.I. (Leningrad)

Digestive leukocytosis and the specifically dynamic action
of food in healthy subjects at night. Vop. pit. 20 no.6:22-28
N-D '61. (MIRA 15:6)

1. Iz kafedry terapii dlya usovershenstvovaniya vrachey
No.2 (nachal'nik - prof. G.A. Smagin) Voenno-meditsinskoy
ordena Lenina akademii imeni S.M. Kirova.
(DIGESTION) (LEUKOCYTOSIS)

SHCHUPAK, Natan Borisovich; KOMAROV, F.I., red.; LEBEDEVA, Z.V.,
tekh. red.

[Extrapulmonary tuberculosis in the clinic for internal
diseases] Vnelegochnyi tuberkulez v klinike vnutrennikh
zabolevani. Leningrad, Medgiz, 1962. 190 p.

(MIRA 15:11)

(TUBERCULOSIS) (MEDICINE, INTERNAL)

SHILOV, Pavel Ivanovich, prof.; KAZBINTSEV, Lev Ivanovich, dots.;
KOMAROV, F.I., red.; SAFRONOVA, I.M., tekhn. red.

[Functional diagnosis of stomach diseases] Funktsional'naya
diagnostika zabolevanií zheludka. Leningrad, Medgiz, 1963.
259 p. (MIRA 16:4)

(STOMACH--DISEASES)

FROL'KIS, Abram Veniaminovich, doktor med. nauk; KOMAROV, F.I.,
red.

[Functional interrelations between the intestine and the
stomach] Funktsional'nye vzaimosviazi kishechnika i zhe-
ludka. Leningrad, Meditsina, 1964. 205 p.
(MIRA 17:4)

LOGINOV, Anatoliy Sergeevich; KOMAROV, F.I., red.

[Laparoscopy in the clinical aspects of internal diseases]
Laparoskopiia v klinike vnutrennikh boleznei. Leningrad,
Meditsina, 1964. 187 p. (MIRA 17:11)

KOMAROV, F.I.; IVANOV, A.I.; LEBEDEV, N.F.

Effect of the quality of suppers on the gastric secretion in
healthy people and in patients with chronic gastritis. Vop. pit.
22 no.6:16-21 N-D '63. (MIRA 17:7)

1. Iz kafedry terapii usovershenstvovaniya vrachey No.2 (nachal'nik -
prof. G.A. Smagin) Voenno-meditsinskoy ordena Lenina akademii imeni
Kirova, Leningrad.

KANISHCHEV, Pavel Andreyevich; KOMAROV, F.I., red.

[Methods of the diagnosis of gastric diseases] Metody
diagnostiki zabolevanii zheludka. Leningrad, Meditsina,
1964. 175 p. (MIRA 18:2)

ANICHKOV, Sergey Viktorovich; ZAVOBSKAYA, Irina Sergeyevna;
KOMAROV, E. I., red.

[Pharmacotherapy of peptic ulcer; experiental basis]
Farmakoterapiia iazvennoi bolezni; eksperimental'noe
obosnovanie. Leningrad, Meditsina, 1965. 187 p.
(MIRA 18:3)

TUGOLUKOV, Vitaliy Nikolayevich; KOMAROV, F.I., red.

[Modern methods of the functional diagnosis of the state
of the gastric mucous membrane and their clinical significance]
Sovremennye metody funktsional'noi diagnostiki sostoiania
slizistoi obolochki zheludka i ikh klinicheskoe znachenie.
Leningrad, Meditsina, 1965. 210 p. (MIRA 18:10)

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH ORDERS

CA

73

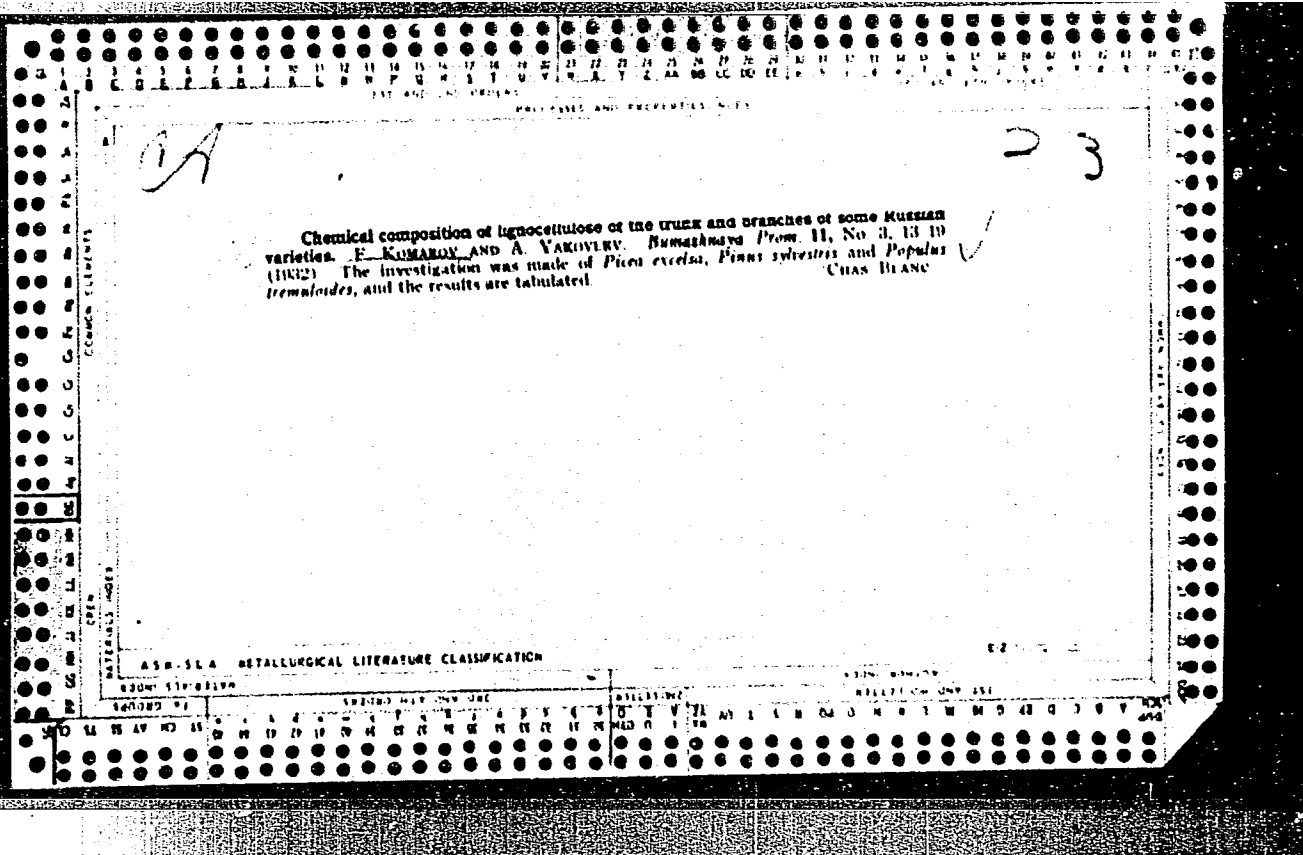
Chemical composition of spruce damaged by red and blue rot and the resulting sulfite cellulose. N. I. Nikitin and L. P. Komarov. *Trudy i Khopyatno Tekhnicheskoy Lespromtekhnicheskoy Akad. (Nature and Economy Exptl. Forest Ind. Sta. Forest-Tech. Acad.)* 3, 5 (1961), cf. Komarov, *C. A. 28*, 3550. The close similarity of the results of chem. analysis and sulfite cooking tests of sound spruce (*Picea obovata*) and that damaged by red rot (*Fusarium*) and blue rot (*Ceratocystella piliferum*) shows conclusively that the damaged trees can be successfully used in the production of sulfite pulp. Chas. Blanc

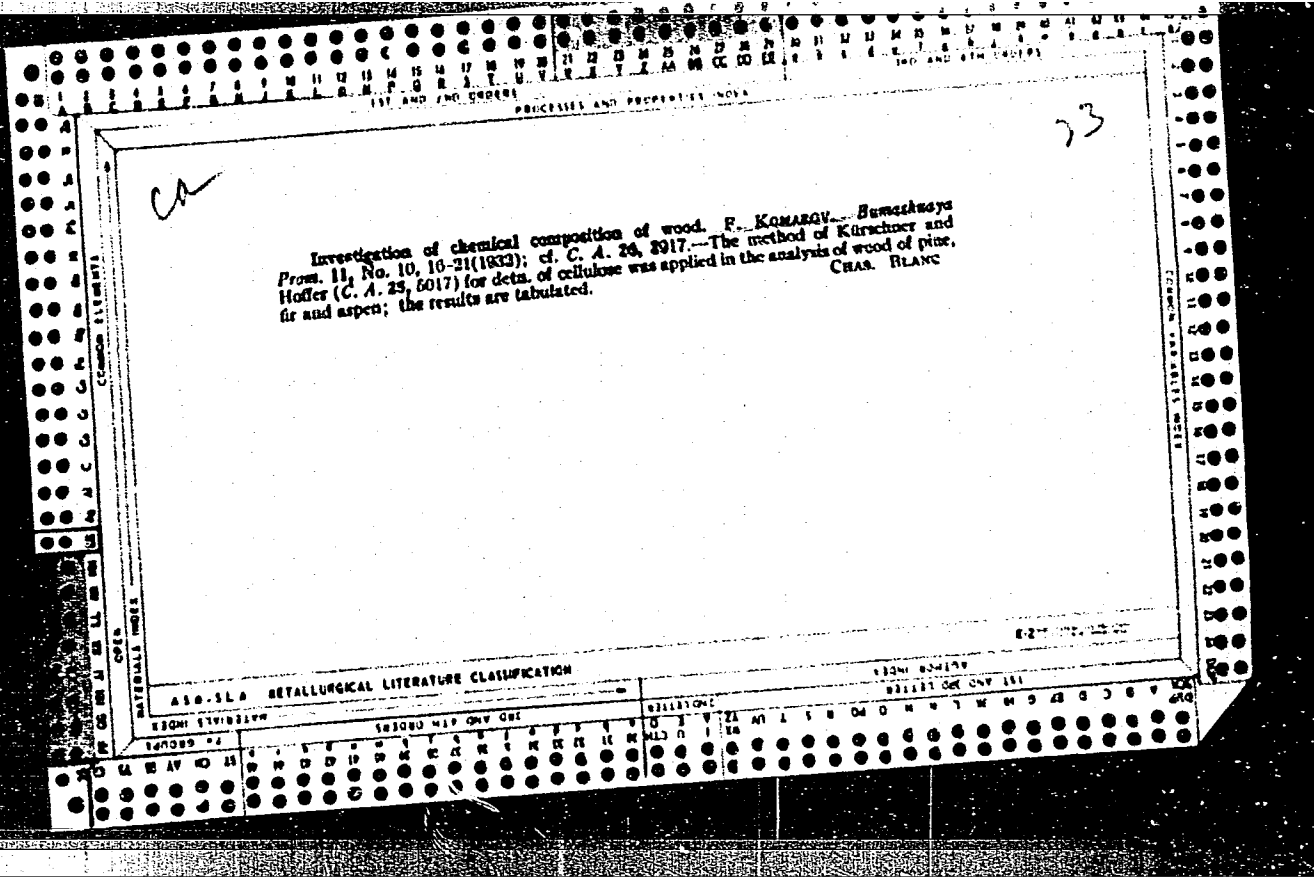
ASAC-31A METALLURGICAL LITERATURE CLASSIFICATION

COMPOS. LITERATURE

WATERGATE NO. 1

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH ORDERS





137 AND 138 OBJECTS PROCESSES AND PREPARATION INDEX 139 AND 140 OBJECTS

CA 23

Application of poplar wood in the production of cellulose. F. KOMAROV. *Bumazhnyye Prom.* 11, No. 12, 44-7(1932).--Chem. pulping of *Populus nigra* produced a high grade of cellulose.
CHAS. BLANC

COMMON ELEMENTS

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

OPEN

MATERIALS INDEX

REGIONS

ALLIANCE INDEX

137 AND 138 OBJECTS

139 AND 140 OBJECTS

1ST AND 2ND CROSS
PROCESSES AND PROPERTIES INDEX
1ST AND 4TH CROSS

29

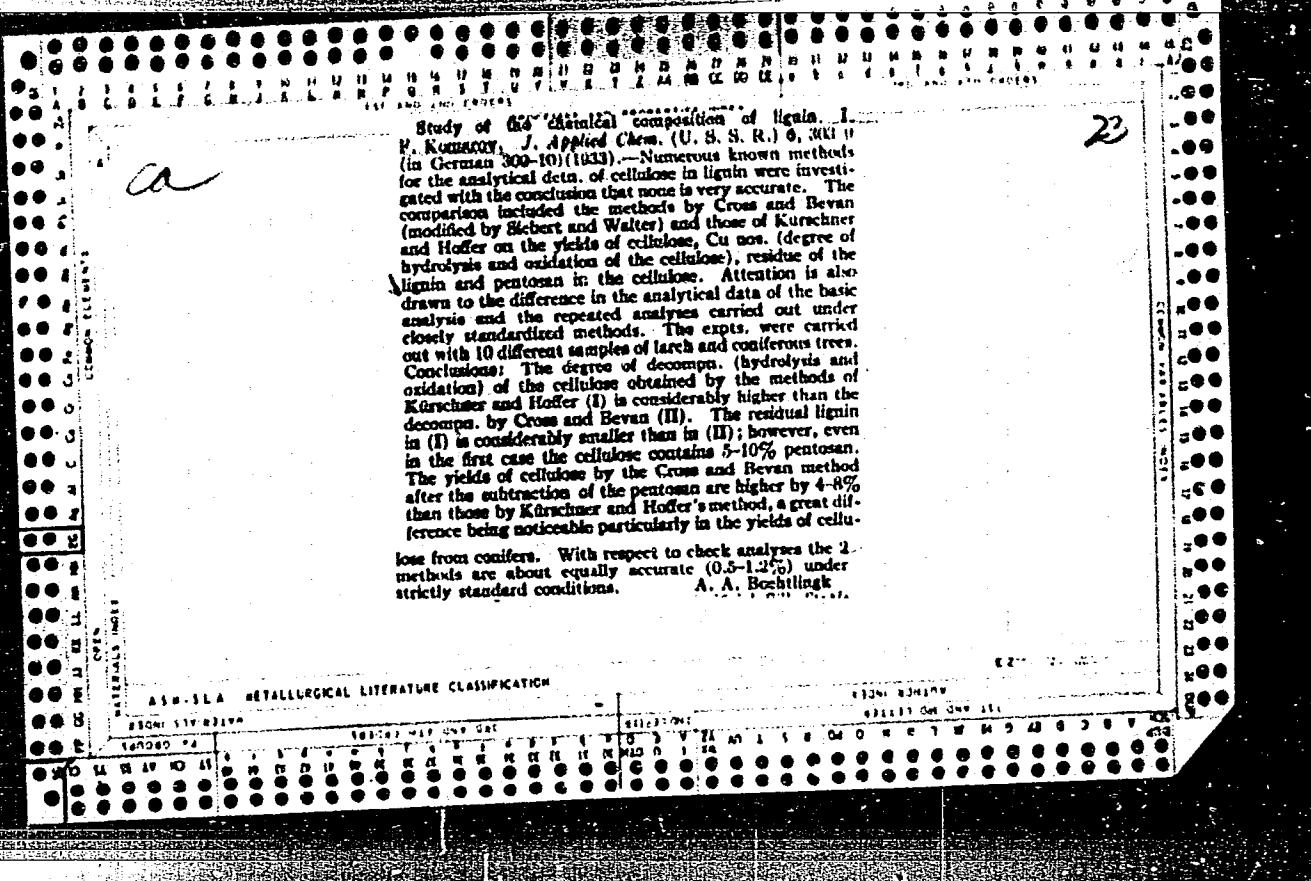
23

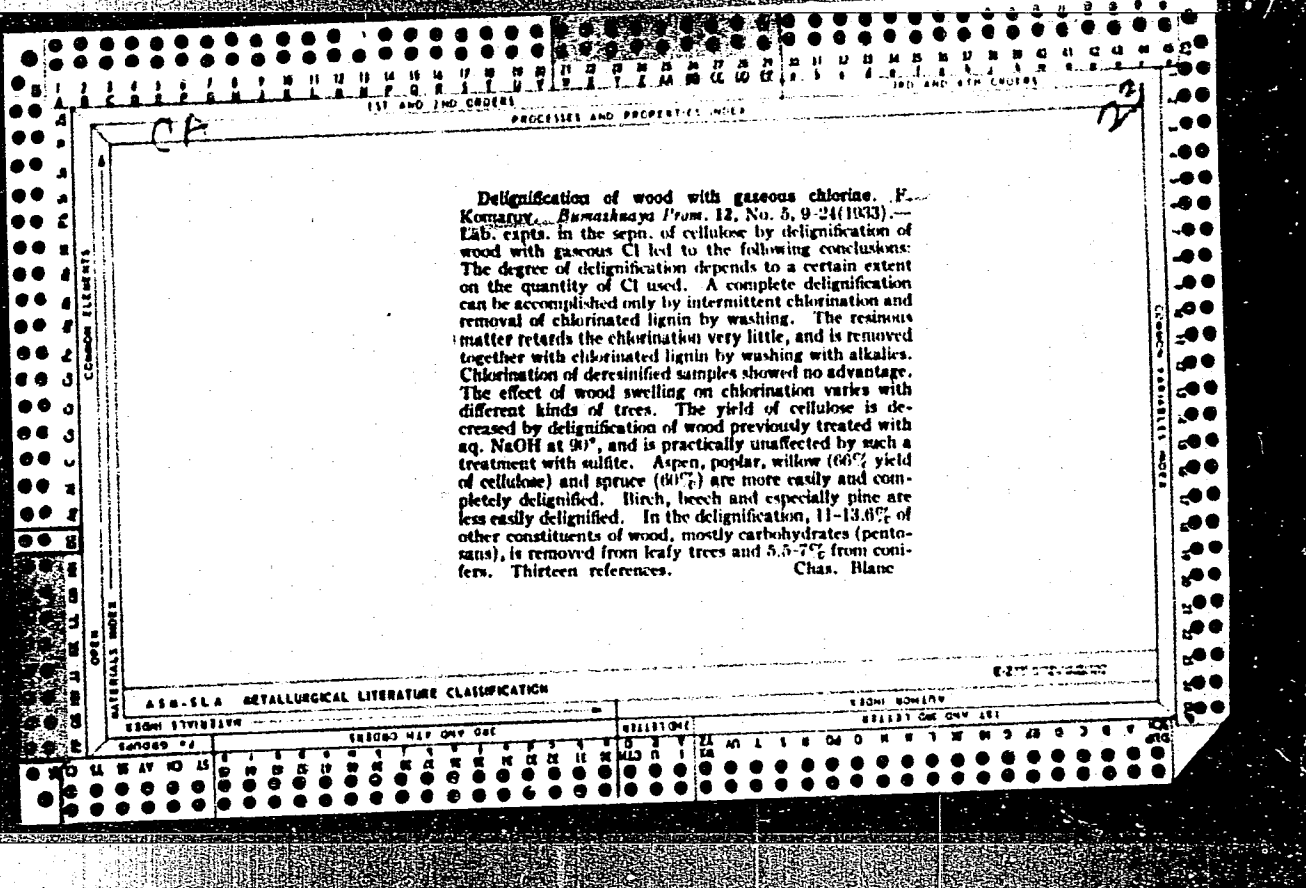
Pasteboard and its use for recovery of cellulose. Ph. Komaroff. *Popol's jekonom-
primenenie dlja proizvedstava zellulozy* (Leningrad) 1, 41-51 (1950) E. M. S.

COMMON ELEMENTS
OPEN
MATERIALS INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CROSS
1ST AND 4TH CROSS
1ST AND 2ND CROSS
1ST AND 4TH CROSS





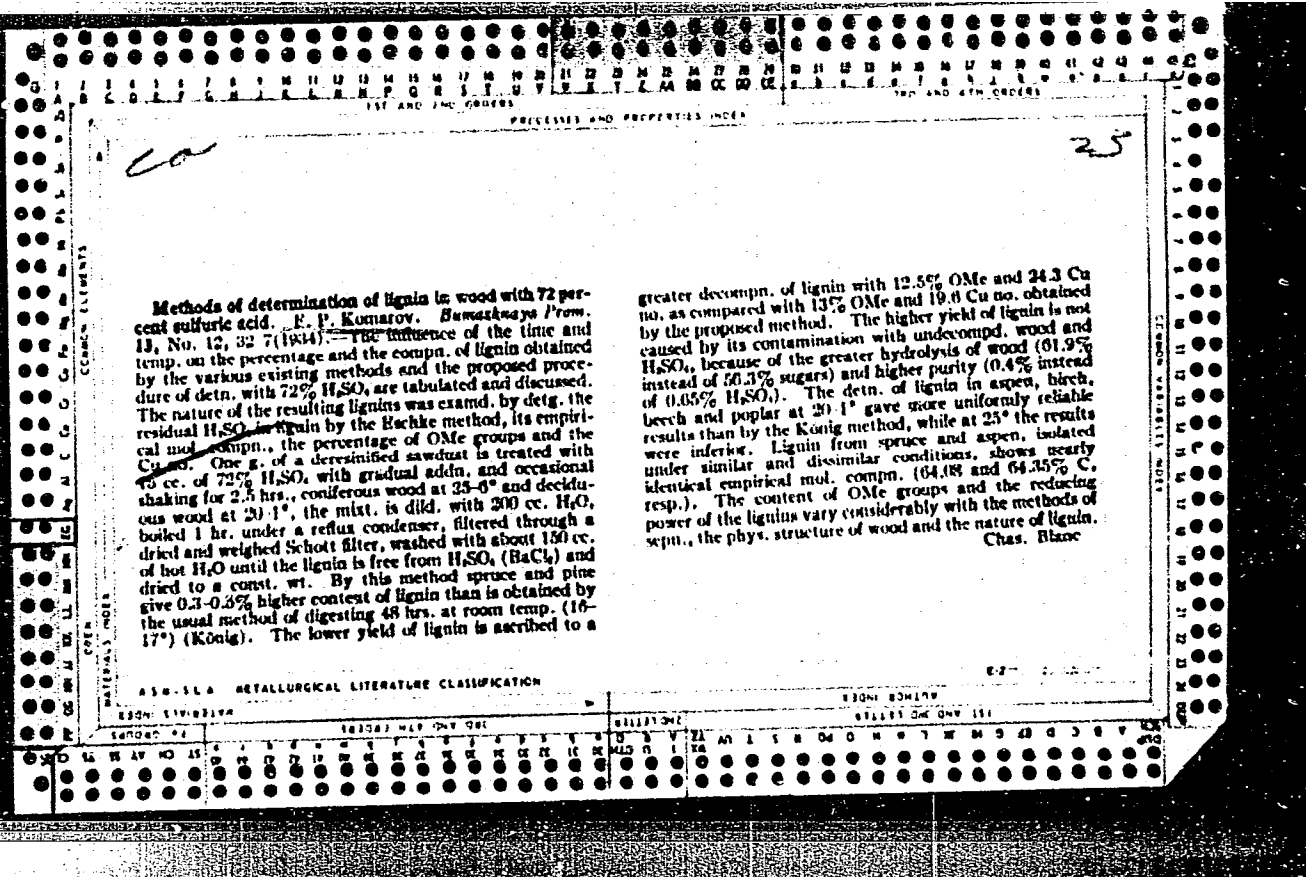
70

IN
 Chemical composition of wood damaged by wood-destructive rots. *F. Kozarow, Sumshayevs Prom. 13, No. 2, 49-60(1934).*—The exptl. study of the chem. properties of wood affected by rot and their use in pulp- ing and hydrolysis was made with 16 different samples of pine, spruce, aspen and birch living trees and some struc- tural timber. Identical sections were prepd. from sound and rotting trees, growing under exactly similar condi- tions and being of the same age and trunk height and diam. The extractable matter was detd. with hot H₂O, H₂O and 1% NaOH at 18°, and lignin, pentosans, cellulose and ash were detd. in the extd. samples. A study was made of the hydrolysis with 0.5 and 72% H₂SO₄ and of the absorption of H₂O by sawdusts. Conclusions: In all cases, except 1 with aspen, the hygroscopicity of saw- dusts of rot-damaged woods was 1-1.5% lower than that of normal trees; thus the phys. structure of rotted trees does not affect the analytical data (this was substantiated by the results of hydrolysis). The wood of living trees in the 2nd and 3rd stages of corrosive rot or white rot (Falk and Hess, C. A. 21, 1137) by *Trametes pini* (pine) and

Trametes abietis (spruce) are little changed from normal wood in the relative contents of cellulose and pentosans (decrease of 1-1.5% cellulose in spruce), and can be used for pulping and hydrolysis. Pine damaged by *Polyporus destructor* (white rot) contains relatively even more cellu- lose than a normal tree (68 instead of 62%) and less lignin. Pine and spruce affected by the destructive rot or brown rot (Falk, loc. cit.) of *Merulius lacrymans* (prevalent in building timber) (pine) and *Fomes pinicola* (spruce) shows a sharply decreased content of cellulose and pento- sans and increased lignin. Birch damaged by white rot possesses highly complex chem. compn. and is unsuited for practical uses. *Fomes igniarius* and the fungus *Poly- porus betulinus* decompose cellulose in birch. The chem. compn. of aspen damaged by *Fomes igniarius* differs very little from that of normal wood; it can be seen from the lowered sp. gr. that the chem. changes affected uni- formly all component parts of the wood. The yields of reducing sugars of the sound and rotting trees obtained by hydrolysis are the same, and are even higher with pine damaged by *Polyporus destructor*. The work is being continued.

Chas. Blanc

ASO. 33.4 METALLURGICAL LITERATURE CLASSIFICATION



1ST AND 2ND COPIES 1ST AND 2ND COPIES

PROCESSES AND PROPERTIES INDEX

BC A-3

Acetylation of Lignin. F. KOMAROV and G. FILIMONOVA (J. Appl. Chem. Russ., 1935, 8, 1033-1042). → 5-6-6.6% of the OH-groups of sulphate lignin (I) are acetylated by treatment with Ac_2O in C_6H_6N , or with Ac_2O in $AcOH$ in presence of catalysts (H_2SO_4 , $ZnCl_2$, H_3PO_4) (18-20°; 90 min.); in absence of catalysts the latter reaction takes place only at the b.p. of the mixture. Decomp. of (I), or elimination of Me groups, does not occur during the above reactions. The products are sparingly sol. in org. solvents. R. T.

A 50-51.A METALLURGICAL LITERATURE CLASSIFICATION

GROUPS 1ST AND 2ND COPIES 1ST AND 2ND COPIES

GROUPS 1ST AND 2ND COPIES 1ST AND 2ND COPIES

1ST AND 2ND DEGREE PROCESSES AND PROPERTIES MOLE 3RD AND 4TH DEGREE

BC d-3

Acetylation of lignin, and its isolation from wood. I. F. KOMAROV and G. SYLONKOVA (J. Appl. Chem. Russ., 1934, 9, 1096-1103).—Acetylation of lignin (I) prepared by the König, Wulstatter, and Freudenberg methods gives products yielding respectively 33, 31, and 23.7% of AcOH, whilst the acetylated products of resinification of fructose yield <15% of AcOH. It is concluded that the differences are due to slight modifications of (I) arising from differences in the extraction procedures, but are not due to production of (I) from sugars.

R. T.

COMMON ELEMENTS

OPEN MATERIALS INDEX

ASS-11.3 METALLURGICAL LITERATURE CLASSIFICATION

FROM STEINBACH

FROM BOMIACH

1ST AND 2ND DEGREE 3RD AND 4TH DEGREE

CA

25

Bleaching of viscose pulp in the Gyaskil combine. N. I. Nibitina, P. Komarov and I. A. Nazrodskii. *Papirshchiny SSSR*, No. 4, 83-84 (1958). --A crit. discussion of the tech. control and operation of the bleaching process of viscose pulp, with various suggestions for improvements. In the 2-stage process, the best results were obtained with the tower bleaching at 17-20° and 18-20% $Ca(ClO)_2$. Viscose pulp of satisfactory chem. and phys. properties was obtained from pulp with a viscosity of 200-60 millipoises, contg. 1.7-2.2% lignin (hardness 17-22). The concn. of bleaching liquor should be detd. not by gravity but by titration, and should be fed into the rolls in 2 stages with the intermediate detn. of the bleaching stage. Chas. Blanc

AS 6 514 METALLURGICAL LITERATURE CLASSIFICATION

23

CA

Bleaching of (sulite) pulp with sodium hypochlorite.
 V. Kozmarov and I. Nagroukhil. *Samashovs* /*Tram.* 13,
 No. 4, 42-47(1939).—The results of expts. in bleaching
 sulite pulp by 1 stage with NaClO, and by 2 stages with
 NaClO and with NaClO + Ca(ClO)₂, are tabulated and
 discussed. The results were checked by parallel bleaching
 with Ca(ClO)₂ alone. One-stage bleaching with NaClO
 gave unsatisfactory results. The 2-stage process with
 NaClO gave a good product in respect to viscosity and
 lignin, α-cellulose and ash contents. Substituting Ca-
 (ClO)₂ for NaClO in the 1st stage gave somewhat inferior
 pulp, but a better one than is obtained by 1-stage bleach-
 ing with NaClO. Chas. Blanc

AS 51.2 METALLURGICAL LITERATURE CLASSIFICATION

CA 23

PROCESSES AND PROPERTIES INDEX

Production of sulfite pulp from spruce damaged by sap rot and by blue stain. P. Komarov, I. Nagrodskii and I. Belyaev. *Bumazhaya Prom.* 15, No. 5, 33-R(1960), cf. C. A. 28, 3563³.—The results of comparative lab. sulfite pulping of spruce, normal and damaged by blue stain and by destructive sap rot, are described. The blue-stained spruce gave a greater yield of pulp by wt. and vol. than the normal wood. The bluish pulp is completely decolorized in bleaching. The sap-rotted wood gave a greater pulp yield by wt.; the product is somewhat inferior in mech. properties. Chas. Blaw

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

1ST AND 2ND COVERS 1ST AND 4TH COVERS

10

Chemical processes occurring in the microbiological decomposition of wood. I. F. Kozlov and G. Filimonova. *J. Applied Chem. U. S. S. R.* 10, 1487-93 (in French 1961)(1967). Decompos. of pine by *Morodius lacrymans* or *Polyporus destrucor* and of larch by *Fomes ignarius* under natural conditions, caused a variation in the content of the OMe group, depending on the lignin content and the species of the fungus. Scarcely any changes were observed in the relative contents of Ac group and the uronic acid, but because of a decrease in the sp. gr. of the woody matter it was concluded that a considerable amt. of the Ac groups and uronic acids was lost, probably as a result of pentosan decompn. The reducing power of woody matter is increased by the action of the fungi. Aq. exts. of the altered wood contained considerable amts. of tanning substances (22-65% of the substances sol. in hot water), reducing substances (1.7-26.2%, part of which are probably combined with the tanning substances, and inorg. substances 4.28-10.01% (by wt.) of the substances sol. in hot water. The water-sol. substances contained 47.70-50.85% C, the C content of the wood. The alk. C₁₈H₃₀ sol. substances obtained in the decompn. of wood contain less free monobasic tar acid (acid no. 82-117) than, e. g., rosin (acid no. 140-180). The substances extd. with 1% alkali contain furfurals in amts., depending on the wood and species of fungus, and carbohydrates which yield on hydrolysis 8.53-22.38% (by wt. of the alkali-sol. substances) of reducing sugars, depending on the species of fungus. Forty-two references.

A. A. Paldany

A 58-52 A METALLURGICAL LITERATURE CLASSIFICATION

E-277-100-00-11

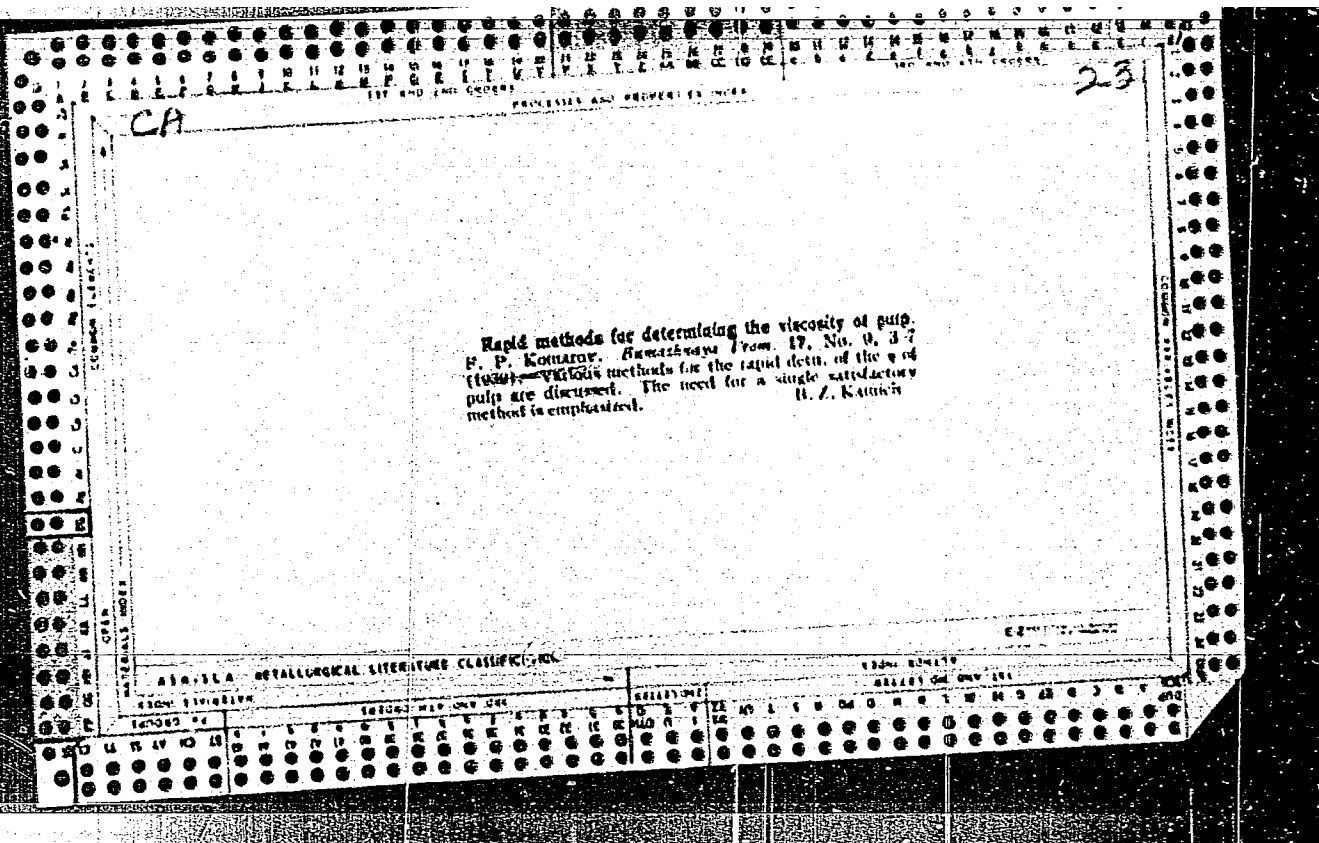
CA 23

PROCESSES AND PROPERTIES INDEX

Mechanism of pulp bleaching. F. P. Komarov. *Enz. mashkova Prom.* 17, No. 8, 3-9(1939).--A review of the literature. It is concluded that in the preliminary bleaching with gaseous Cl₂ the process of chlorination prevails while in using hypochlorite the oxidation reaction predominates. Seventeen references. H. Z. Kamich

450-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CIPHERS	3RD AND 4TH CIPHERS	5TH CIPHER	6TH AND 7TH CIPHERS
A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
Y	Z	AA	AB
AC	AD	AE	AF
AG	AH	AI	AJ
AK	AL	AM	AN
AO	AP	AQ	AR
AS	AT	AU	AV
AW	AX	AY	AZ
BA	BB	BC	BD
BE	BF	BG	BH
BI	BJ	BK	BL
BM	BN	BO	BP
BQ	BR	BS	BT
BU	BV	BW	BX
BY	BZ	CA	CB
CC	CD	CE	CF
CG	CH	CI	CJ
CK	CL	CM	CN
CO	CP	CQ	CR
CS	CT	CU	CV
CW	CX	CY	CZ
DA	DB	DC	DD
DE	DF	DG	DH
DI	DJ	DK	DL
DM	DN	DO	DP
DQ	DR	DS	DT
DU	DV	DW	DX
DY	DZ	EA	EB
EC	ED	EE	EF
EG	EH	EI	EJ
EK	EL	EM	EN
EO	EP	EQ	ER
ES	ET	EU	EV
EW	EX	EY	EZ
FA	FB	FC	FD
FE	FF	FG	FH
FI	FJ	FK	FL
FM	FN	FO	FP
FQ	FR	FS	FT
FU	FV	FW	FX
FY	FZ	GA	GB
GC	GD	GE	GF
GG	GH	GI	GJ
GK	GL	GM	GN
GO	GP	GQ	GR
GS	GT	GU	GV
GW	GX	GY	GZ
HA	HB	HC	HD
HE	HF	HG	HH
HI	HJ	HK	HL
HM	HN	HO	HP
HQ	HR	HS	HT
HU	HV	HW	HX
HY	HZ	IA	IB
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IG	IH	II	IJ
IK	IL	IM	IN
IO	IP	IQ	IR
IS	IT	IU	IV
IW	IX	IY	IZ
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JI	JJ	JK	JL
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JQ	JR	JS	JT
JU	JV	JW	JX
JY	JZ	KA	KB
KC	KD	KE	KF
KG	KH	KI	KJ
KK	KL	KM	KN
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KW	KX	KY	KZ
LA	LB	LC	LD
LE	LF	LG	LH
LI	LJ	LK	LL
LM	LN	LO	LP
LQ	LR	LS	LT
LU	LV	LW	LX
LY	LZ	MA	MB
MC	MD	ME	MF
MG	MH	MI	MJ
MK	ML	MM	MN
MO	MP	MQ	MR
MS	MT	MU	MV
MW	MX	MY	MZ
NA	NB	NC	ND
NE	NF	NG	NH
NI	NJ	NK	NL
NM	NN	NO	NP
NQ	NR	NS	NT
NU	NV	NW	NX
NY	NZ	OA	OB
OC	OD	OE	OF
OG	OH	OI	OJ
OK	OL	OM	ON
OO	OP	OQ	OR
OS	OT	OU	OV
OW	OX	OY	OZ
PA	PB	PC	PD
PE	PF	PG	PH
PI	PJ	PK	PL
PM	PN	PO	PP
PQ	PR	PS	PT
PU	PV	PW	PX
PY	PZ	QA	QB
QC	QD	QE	QF
QG	QH	QI	QJ
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QO	QP	QQ	QR
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QW	QX	QY	QZ
RA	RB	RC	RD
RE	RF	RG	RH
RI	RJ	RK	RL
RM	RN	RO	RP
RQ	RR	RS	RT
RU	RV	RW	RX
RY	RZ	SA	SB
SC	SD	SE	SF
SG	SH	SI	SJ
SK	SL	SM	SN
SO	SP	SQ	SR
SS	ST	SU	SV
SW	SX	SY	SZ
TA	TB	TC	TD
TE	TF	TG	TH
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TY	TZ	UA	UB
UC	UD	UE	UF
UG	UH	UI	UJ
UK	UL	UM	UN
UO	UP	UQ	UR
US	UT	UU	UV
UW	UX	UY	UZ
VA	VB	VC	VD
VE	VF	VG	VH
VI	VJ	VK	VL
VM	VN	VO	VP
VQ	VR	VS	VT
VU	VV	VW	VX
VY	VZ	WA	WB
WC	WD	WE	WF
WG	WH	WI	WJ
WK	WL	WM	WN
WO	WP	WQ	WR
WS	WT	WU	WV
WW	WX	WY	WZ
XA	XB	XC	XD
XE	XF	XG	XH
XI	XJ	XK	XL
XM	XN	XO	XP
XQ	XR	XS	XT
XU	XV	XW	XX
XY	XZ	YA	YB
YC	YD	YE	YF
YG	YH	YI	YJ
YK	YL	YM	YN
YO	YP	YQ	YR
YS	YT	YU	YV
YW	YX	YY	YZ
ZA	ZB	ZC	ZD
ZE	ZF	ZG	ZH
ZI	ZJ	ZK	ZL
ZM	ZN	ZO	ZP
ZQ	ZR	ZS	ZT
ZU	ZV	ZW	ZX
ZY	ZZ		



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

101 AND 100 CODES

100 AND 101 CODES

PROCESSES AND PROPERTIES INDEX

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Combined bleaching of pulp. F. P. Komarov. *Russkaya Pech.* 17, No. 10, 14-19(1939). F. P. Komarov and N. V. Lebedev. *Ibid.* No. 11, 16-20; cf. 17, 4, 16, 1941. -In these 2 preliminary communications the literature is reviewed and the tentative lab. expts. are discussed. 20 references. *Chem. Abstr.*

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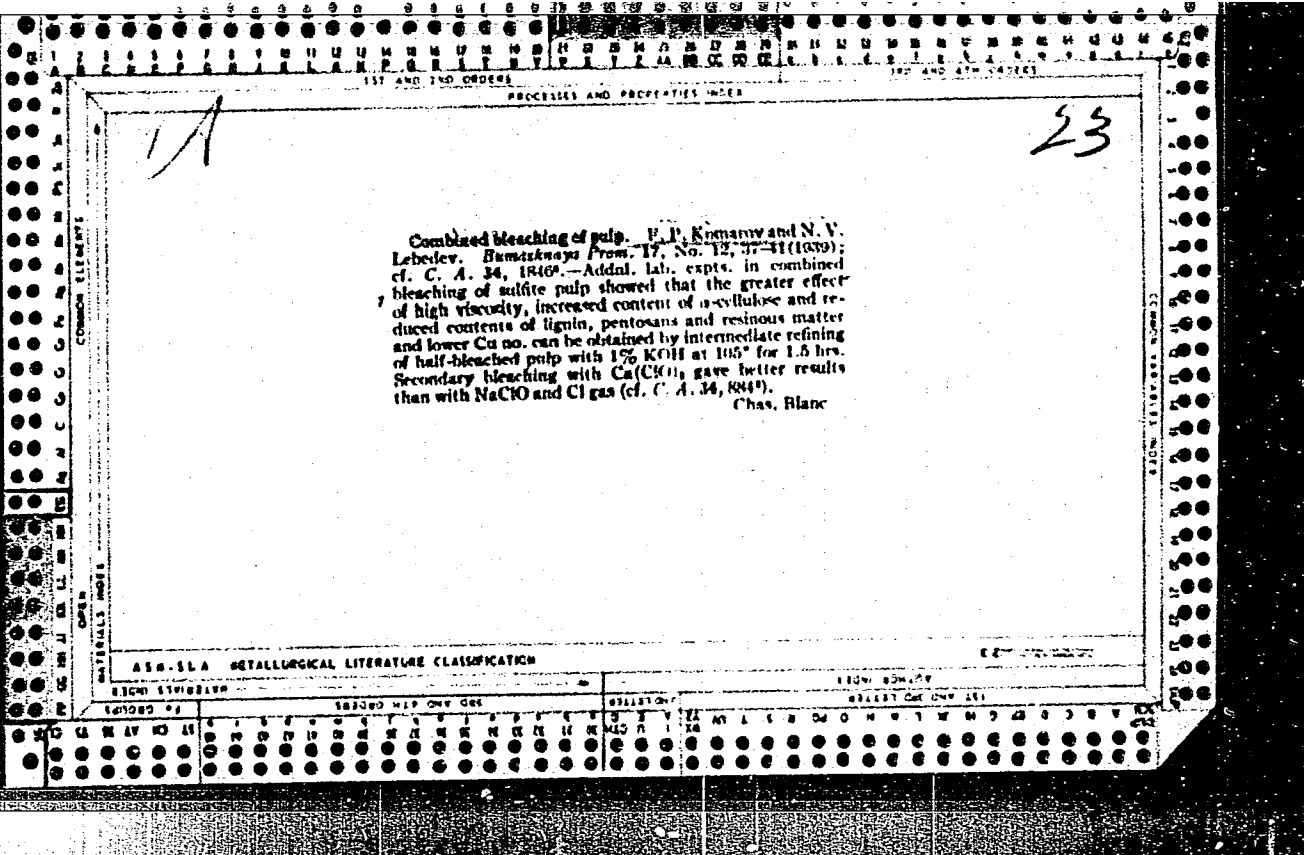
ASB-5LA INTERNATIONAL LITERATURE CLASSIFICATION

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101 AND 100 CODES

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111 AND 2ND COVER) PROCESSES AND PROPERTIES INDEX 100 AND 1TH COVER

(1A) 23

Evaluation of the quality of viscose pulp from the transparency of its solutions. I. P. Komarov and I. A. Nagroskii. *Russkaya Pimp*, 18, No. 7, 707-72 (1940).

The tentative scheme for the determination of the quality of viscose pulp is based on measuring the transparency (opacity) of 1% viscose solns. in a monochromatic light of definite wave length with the aid of the König-Martens spectrophotometer. Tests with filtered and unfiltered viscose solns., derived from different grades of bleached, unbleached and refined sulfite pulp, showed that the coeff. of absorption depends on the quality of pulp used in the production of viscose. It appears that the transparency of viscose solns. is influenced not only by the wood impurities, but also by the purity of chem. agents (NaOH) and water. The relative transparency of solns. improves with repeated filtrations, but never becomes complete. The effect of various admixts. (lignin, resins, ash, pentosans), the contents of α -cellulose, whiteness and other factors on the transparency of viscose solns. is being investigated. Cf. Zakoshel'kov and Tumarkin (*C. A. 31*, 2414). Chas. Blanc

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GROUPS: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

GROUPS: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

