

KOGAN, I.

BARANOV, B.; KOGAN, I.

Pay rates for hourly workers. Sots.trud. no.9:76-78 S '56.
(Airplane industry) (Wages) (MIRA 9:12)

KOGAN, I., inshener (g. Kirov)

Experience in operating Yak-12 airplanes. Grashd.av.14 no.1:23
Ja '57. (MIRA 10:4)
(Airplanes)

KOGAN, I., insh. (g.Kirov)

The regulations are carefully observed. Grashd. av. 15 no.3:33 Nr '58.
(Airplanes--Maintenance and repair) (MIRA 11:5)

BENDEL', V.; GRACHEV, B.; KOGAN, I.

Automation of the washing, drying and packaging of feathers and down. *Mias. ind. SSSR* 33 no.4:23-24 '62. (MIRA 17:2)

1. Ministerstvo proizvodstva i zagotovok sel'skokhozyaystvennykh produktov RSFSR (for Bendel').
2. Tsentral'noye konstruktorskoye byuro proyektirovaniya oborudovaniya myasnoy i molochnoy promyshlennosti Soveta narodnogo khozyaystva Moskovskogo gorodskogo ekonomicheskogo rayona (for Grachev).
3. Moskovskaya fabrika pero-pukhovykh izdeliy (for Kogan).

EXCERPTA MEDICA Sec 10 Vol 10/11 Obstetrics Nov 57

2099. KOGAN I. A., AGEYEV G. V. and SHAPIRO S. N. * Changes in the secretory function of the stomach in connection with diseases of the female gonads (Russian, text) AKUS. I GINEK. 1956, 2 (49-52) Tables 2

Both the volume and total acidity of the gastric juice of male and female dogs decreased after gonadectomy. For instance in female dogs the mean total volume of gastric secretion (after histamine stimulation) was 75.6 ml. before ovariectomy and 29.1 ml. after it. Of 21 women, who were treated for gynaecological diseases, 14 showed a slight and presumably insignificant increase of the free HCl values during remission.

Siurala - Helsinki (VI, 10)

IL'IN, A.N.; KAPUSTIN, A.P., KOGAN, I.A.; POPOV, I.V.; PROZOROVA, N.A.;
SAVARENSKIY, I.A.; CHIKHACHEV, S.M.; SOKOLOV, N.I. [deceased],
doktor geol.-mineral.nauk, otv.red.; SPRYGINA, L.I., red.isd-va;
SUSHKOVA, L.A., tekhn.red.

[Karst phenomena near Dzerzhinsk, Gorkiy Province] · Karstovye
iavleniia v raione goroda Dzerzhinska Gor'kovskoi oblasti.
Moskva, Izd-vo Akad.nauk SSSR, 1960. 121 p (Akademiia nauk
SSSR. Laboratoriia gidrogeologicheskikh problem. Trudy, vol. 32)
(Dzerzhinsk region (Gorkiy Province) Karst)

ACCESSION NR: AT3002375

does the disturbances and fever, and for

NO REF SOV: 020

OTHER: 001

ARNAUTOV, A. K.; BURSHTEYN, S. A.; GENES, V. S.; DZHAFAROV, G. K.;
KOGAN, I. A.; MAMOTYUK, Ye. M.; NIKOLAYEVA, M. G.; PISKAREVA,
Ye. V.; POPOVA, L. Y.; TKACH, V. K.; FASTYUCHENKO, O. V.;
FRENKEL', L. A.; TSYBENKO, P. A.

Characteristics of some early reactions of rats, irradiated
with various doses, to burning by flame. Radiobiologia 2 no.3:
406-413 '62. (MIRA 15:7)

1. Institut meditsinskoy radiologii, Khar'kov.

(X RAYS—PHYSIOLOGICAL EFFECT)
(BURNS AND SCALDS)

...iya - avtomatizatsiya proizvodstva, no. 4, 1963, 8-9

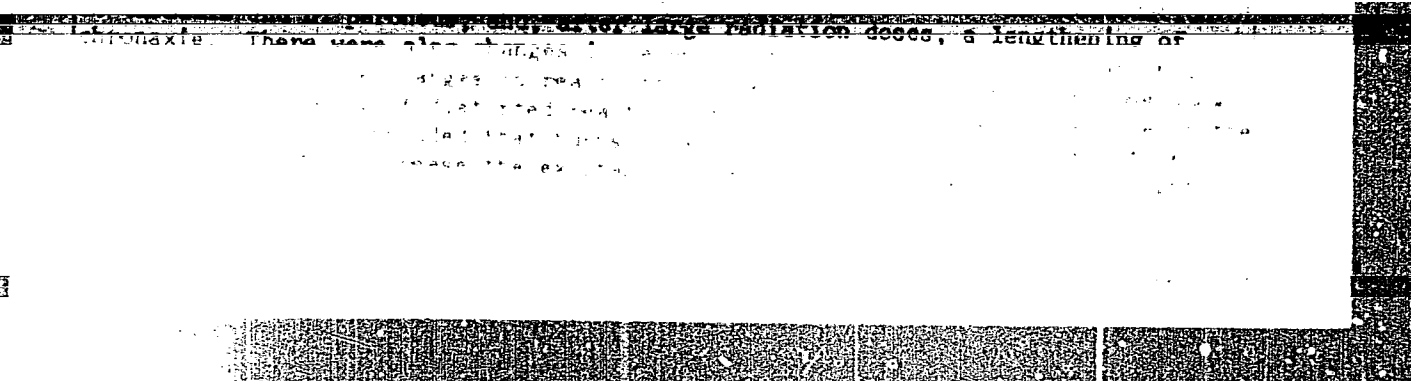
TEXT:

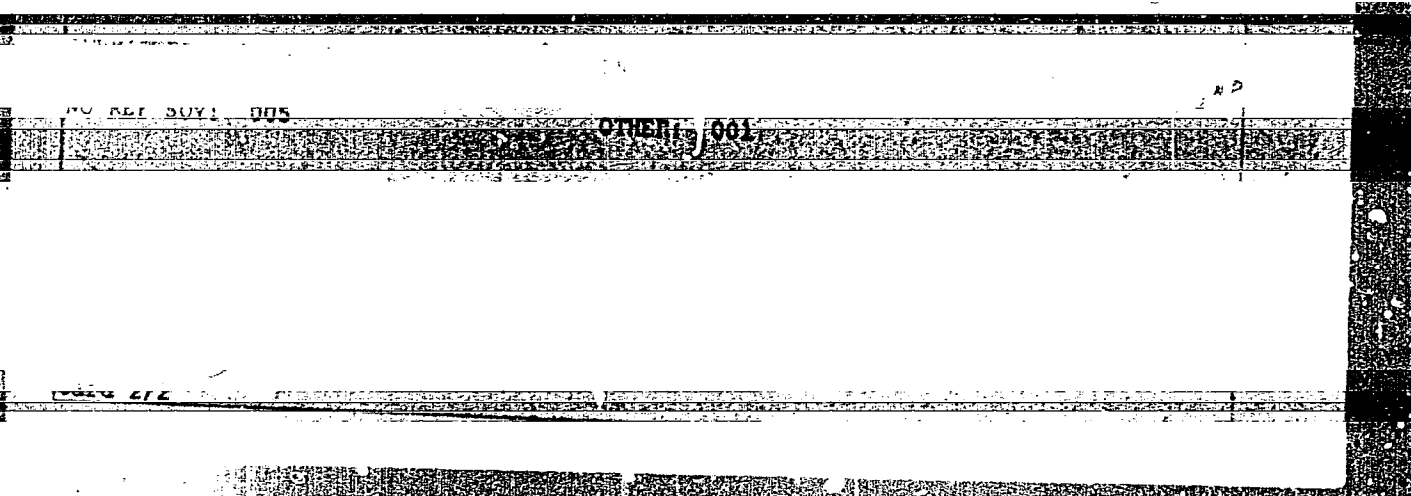
In the Sevsapmontavtomatika trust, a system has been developed for automatically regulating the process of...

KOGAN, I.A., inzh.; ROZENTSVEYG, I.Yu., inzh.; EYGENBROT, I.M., inzh.

Automatic control of an arc steel-smelting furnace. Mekh. i avtom.
proizv. 17 no.4:8-9 Ap '63. (MIRA 17:9)

SECRET
CONFIDENTIAL
TOP SECRET





KOGAN, I.B., master

Solar water heater in Azerbaijan. Energetik 6 no. 1:15 Ja '58.

(MIMA 11:8)

(Azerbaijan--Solar water heaters)

FADEYEV, A.D., kand. 1st. nauk; YAKOVLEVA, A.P.; CHERNYKH, N.S., otv. red.;
KALASHNIKOVA, P.I., red.; KOGAN, I.B., red.; KRASNUSHKIN,
A.A., red.; CHISTYAKOV, V.P., red.; KOZHEVNIKOVA, V.A.,
red.; DURASOVA, V.M., tekhn. red.

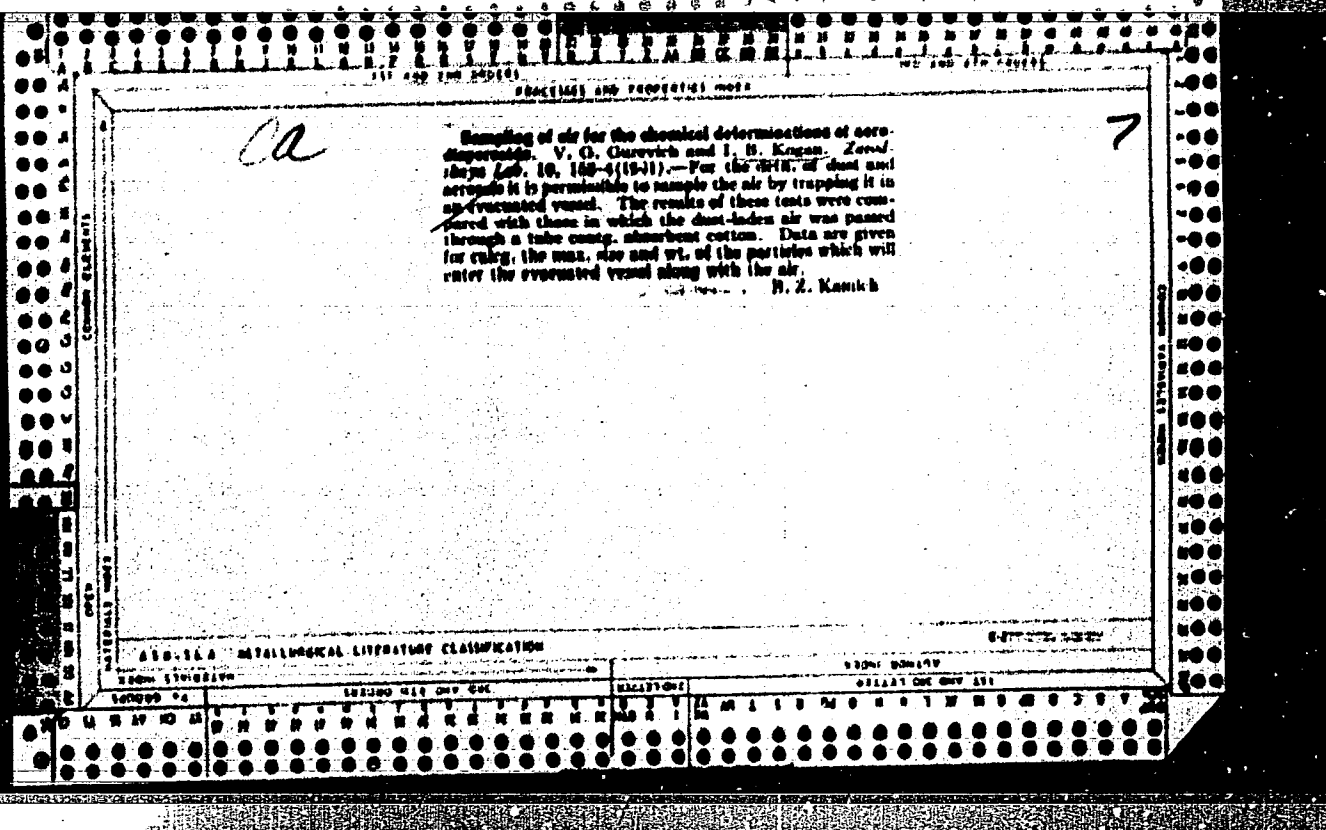
[The V.I. Lenin Volga Hydroelectric Power Station, 1950-1958]
Volzhskaya GES imeni V.I. Lenina (1950-1958 gg); dokumenty i
materialy. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1963.
407 p. (MIRA 16:7)

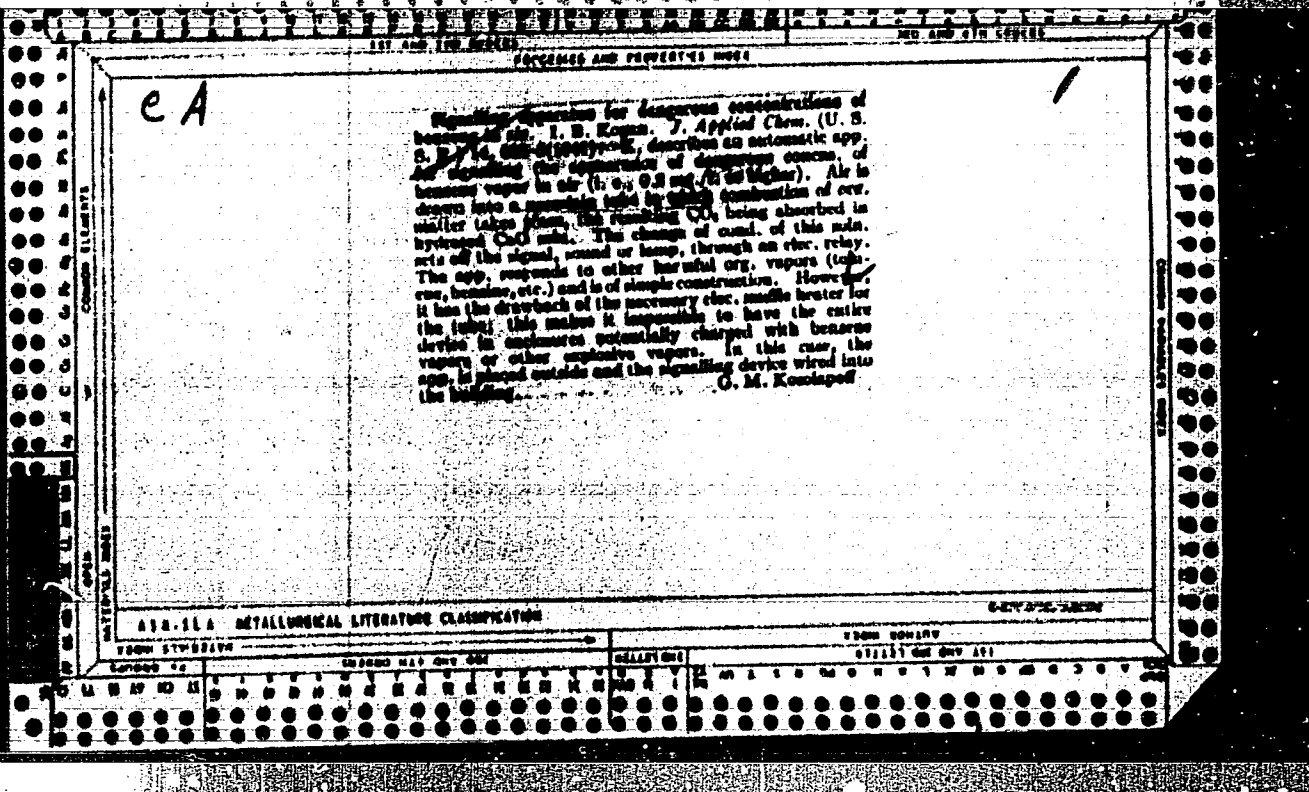
1. Kommunisticheskaya partiya Sovetskogo Soyuz. Kuybyshev-
skiy oblastnoy komitet. Partiyyny arkhiv.. 2. Starshiy pre-
podavatel' kafedry istorii partii Kuybyshevskogo politekh-
nicheskogo instituta (for Fadeyev). 3. Nauchnyy sotrudnik
partarkhiva Kuybyshevskogo oblastnovo komiteta Kommunisti-
cheskoy partii Sovetskogo Soyuz (for Yakovleva).
(Volga Hydroelectric Power Station (Lenin))

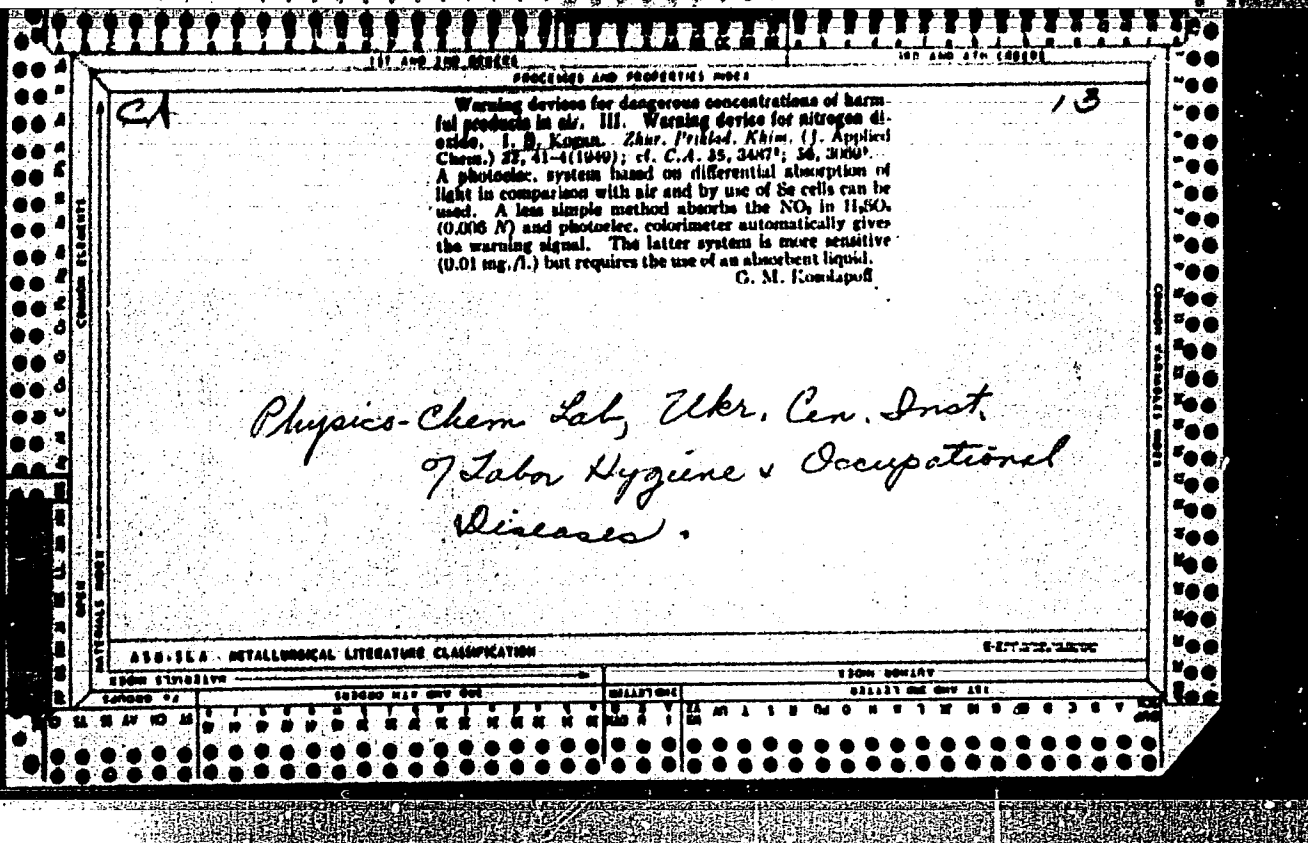
SOBOLEV, I.M.; SIMANKOV, G.M., otv. red.; KOVALEV, O.I., red.; KOGAN,
I.B., red.; LOVIAGIN, N.V., red.; NAZAROVA, N.V., red.;
GOLDSHTEYN, L.Ye., red.; DURASOVA, V.M., tekhn.red.

[Guidebook to the city of Kuybyshev] Putevoditel' po gorodu
Kuibyshevu. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1962.
319 p. (MIRA 16:9)

(Kuybyshev--Guidebooks)







C.A.

Polarographic determination of zinc oxide in the atmosphere. I. B. Kogan. *Zhurnal Khim. Fiz.* 16, 833-4 (1938). — Satisfactory polarography of air-carried dust of ZnO can be made with a soln. of equal parts of 8% NH₄Cl and 1% NH₄OH. Good results are obtained with as little as 0.01 mg./l. G. M. Kozolapoff

Ukr. Inst. Hygiene + Occupational Diseases

"APPROVED FOR RELEASE: 09/18/2001

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CIA-RDP86-00513R000723610010-1"

KOGAN, I. B.

AID P - 2642

Subject : USSR/Medicine
Card 1/1 Pub. 37 - 19/22
Author : Troitskiy, A. A.
Title : Review on chapters VI and IX of the book Methods of Investigating Industrial Hygiene, ed. by V. K. Navrotskiy
Periodical : Gig. i san., 8, 58-60, Ag 1955
Abstract : A review of the chapters: "Methods of determining the chemical substances in air" by I. B. Kogan, and "Laboratory methods of the diagnosis of occupational poisoning", by K. G. Abramovich. Footnotes.
Institution : Not given
Submitted : No date

KOGAN, I.B.

Polarographic determination of ozone and chlorine in the air of industrial buildings using solid electrodes. Report No.2 [with summary in English]. Zhur.anal.khim. 13 no.2:225-229 Mr-Apr '58.

(MIRA 11:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut gigiyeny truda i profsabolevaniy, Khar'kov.
(Ozone) (Chlorine) (Air--Analysis)

KOGAN, I.B.

Determination of malein anhydride in the presence of phthalic anhydride, α -naphthoquinone, and benzoic acid in the air.
Gig. i san. 23 no.7:87-90 J1 '58. (MIRA 12:1)

1. Is Ukrainskogo instituta gigiyany truda i professional'nykh sabolevaniy.

(AIR POLLUTION, determ.

determ. of malein anhydride in presence of phthalic anhydride, α -naphthoquinone and benzoic acid (Rus))

(MALEINATES, determination,

malein anhydride, determ. in air in presence of phthalic anhydride, α -naphthoquinone & benzoic acid (Rus))

AUTHOR: Kogan, I.B.

32-3-15/52

TITLE: The Quantitative Determination of Benzanthrone in Air
(Kolichestvennoye opredeleniye benzantrona v vozdukhe)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 3, pp. 291-293 (USSR)

ABSTRACT: Determination can be carried out by three different methods, viz. colorimetrically, polarographically, and by the fluorescence method. The first method is based upon measuring the intensity of the color of the coloring agent, formed by the action of concentrated sulfuric acid upon benzanthrone, in which case the latter should be dissolved in methanol. Sensitivity amounts to up to -2μ benzanthrone in 3 ml liquid with an accuracy of $\pm 10-15\%$. Standard samples are usually produced for a range of from 2 to $20 \mu/3$ ml. Polarographic determination was carried out in an 80% methanol solution with 0.1n sulfuric acid at -0.9 V and was compared with standard samples. By the fluorescence method it is possible to determine up to 0.02μ benzanthrone, in which case, owing to the lack of a fluorometer, comparative determinations can be carried out with standard samples. It is possible to determine

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The Quantitative Determination of Benzanthrone in Air

32-3-15/52

also bromine benzanthrone by the methods mentioned. Good results are obtained from quantities of 50 μ of benzanthrone upwards. There are 2 figures, 2 tables, and 2 references, 1 of which is Slavic.

ASSOCIATION: Ukrainian Institute for Labor Hygiene and Occupational Diseases
(Ukrainskiy institut gigiyeny truda i profzabolevaniy)

AVAILABLE: Library of Congress

1. Benzanthrone-Determination
2. Colorimetric methods-Application
3. Polarographic methods-Application

Card 2/2

AUTHOR: Kogan, I.B. 32-24-4-15/67

TITLE: The Determination of Phtalic Anhydride in Air According to Derived Polarograms (Opredeleniye ftalevogo anhidrida v vozdukhie po proizvodnym polyarogrammam)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 4, pp. 420-421 (USSR)

ABSTRACT: The determination apparatus was constructed according to a slightly modified scheme by Levek (Ref 1). Instead of two capillaries two electrolytic condensers were used, one of them on a galvanometer with 2100 microfarad and a maximum working voltage of 6 V, the other with 3000 microfarad and a maximum voltage of 40-50 V. The revolving velocity of the potentiometer drum is given as being 15 seconds. Ordinary as well as derived polarograms can be recorded, and it was found that satisfactory polarograms are obtained in a range of from 0.005 - 0.1n hydrochloric acid, whereas 0.5 - 1.n solutions cannot be used. Phtalic anhydride results are given in tables. Determinations of maleic anhydride alone as well as mixed with phtalic anhydrides in 0.1n hydrochloric acid resulted in good and distinct polarization

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The Determination of Phtalic Anhydride in Air
According to Derived Polarograms

32-24-4-15/67

curves. If, in the air investigated, smaller quantities of maleic anhydrides exist besides larger quantities of phtalic anhydrides, the former can be determined according to simple and the latter according to derived polarograms. Samples can be taken by filtering the air through a paper filter with a velocity of 5-10 l/min., in which case the phtalic anhydride is dissolved in the filter with hot water and is further investigated. There are 3 figures, and 1 table.

ASSOCIATION: Ukrainskiy institut gijyeny truda i profzabolevaniy (Ukrainian Institute for Labor Hygiene and Occupational Diseases)

1. Air--Polarographic analysis
2. Phthalic anhydride--Determination
3. Air--Testing equipment

Card 2/2

KOGAN, I.B.; NENARTOVICH, A.V.

Rapid determination of a weak concentration of carbon monoxide
in the air. *Besop.truda v prom.* 4 no.9:22-23 8 '60.

(MIRA 13:9)

1. *Ukrainskiy nauchno-issledovatel'skiy institut gigiyeny
truda i profzabolevaniy.*
(Radiometer) (Air--Analysis) (Carbon monoxide)

KOGAN, Israil' Bentsianovich; BERDNIKOV, A.I., red.; SENCHILO, K.K.,
tekh. red.

[Polarographic analysis in industrial sanitary chemistry] Pol-
lirarograficheski analiz v promyshlenno-sanitarnoi khimii. Mo-
skva, Medgiz, 1961. 151 p. (MIRA 14:12)
(Polarography) (Industrial hygiene)

KOGAN, I. B.; VASIL'YEVA, I. P.

Chromatographic partition and quantitative determination of
nitrophenols in air. Zav. lab. 28 no.12:1428-1429 '62.
(MIRA 16:1)

1. Ukrainskiy institut gigiyeny truda i profzabolevaniy.

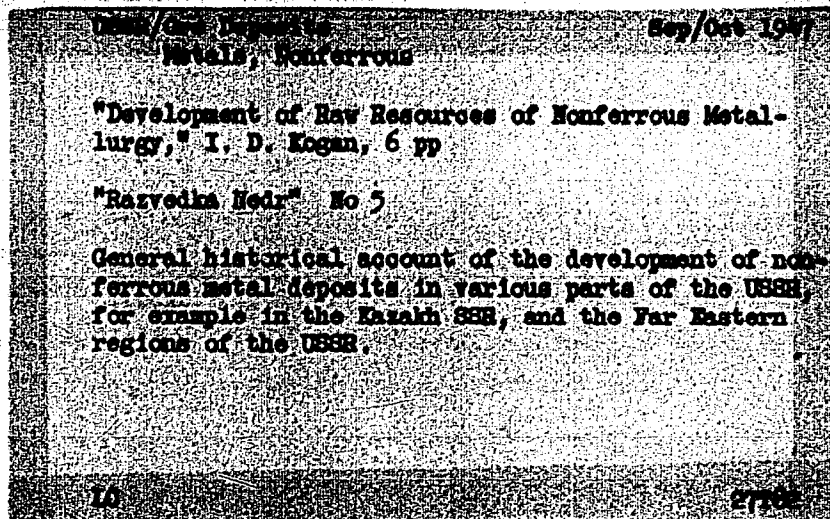
(Phenol) (Air-Analysis)
(Chromatographic analysis)

KOGAN, Israil' Bentalanovich; BERDNIKOV, A.I., red.; SENCHILO, K.K.,
tekhn. red.

[Polarographic analysis in industrial sanitary chemistry]
Polarograficheskii analiz v promyshel'no-sanitarnoi khimii.
Moskva, Medgiz, 1961. 151 p. (MIRA 16:9)
(SANITARY CHEMISTRY) (POLAROGRAPHY)

KOGAN, I. D.

PA 27T82



Card 1/1 Pub. 46 - 21/21

Abstract t
Technical

Oct 23, 1954

KOGAN, I. D.

AUTHOR:

Kogan, I. D.

132-11-3/7

TITLE:

Achievements of Soviet Geologists in Discovering Deposits of Non-ferrous and Rare Metals (Dostizheniya sovetskikh geologov v sozdanii syr'yevoy bazy tsvetnykh i redkikh metallov)

PERIODICAL:

Razvedka i okhrana nedr, 1957, ²³ No 11, pp 21-26 (USSR)

ABSTRACT:

The author reviews the ore mining industry covering non-ferrous and rare metals in Russia before the advent of Communism, and enumerates the achievements made on this field by Soviet geologists. In 1932, the 4th All Union Geological Conference laid plans for future geologic prospecting work. Mention was made at the conference of the tremendous difficulties Soviet geologists were facing in the pursuance of their tasks, caused by the lack of scientific and technical personnel, geologic maps and prospecting equipment. In spite of these difficulties, by the end of the First 5-Year Plan prospecting operations were successful in discovering numerous deposits of non-ferrous and rare metals. This applies especially to large copper deposits in the Urals which were developed in the Degtyarka district. During the same period detailed prospecting operations were carried out in the Novolevinsk, Krasnogvardeysk, Sibay, Buribay, Bakruzyak and other areas. In

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Achievements of Soviet Geologists in Discovering Deposits of Non-ferrous and Rare Metals

1928, copper-porphyrite deposits in Kazakhstan in the Kounradskiy and Boshchekul'skiy were explored and large copper deposits located in Dzhezkazgan. As a result of systematic prospecting and development, Kazakhstan is leading in the production of copper. Extensive copper-porphyrite deposits were also found in Transcaucasus in 1928 (Agarakskiy) and in 1931 in Central Asia (Almalykskiy). The shortage of lead and zinc was alleviated by the end of the First 5-Year Plan after developing the rich deposits found at Turlansk at the Karatau range (Kazakhstan). Also by the end of the First 5-Year Plan the first copper-nickel-sulfide deposit was exploited in the Noril'sk area. In 1926, systematic prospecting determined the exact expanse of silicate nickel ores in the Ufaleyskiy and Revdinskiy districts and the commercial values of the Tyulenevskiy and other deposits. In 1928, silicate ores were found in the Khililovsk district (Ayderbakskeye deposit), in 1931 in the Kvarzenskiy district (Ayderlinskoye deposit) and in the Aktyubinsk district (Buranovskoye deposit). In the same year nickel sulfide ores were discovered at Monche-Tundre on the

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Achievements of Soviet Geologists in Discovering Deposits of Non-ferrous and Rare Metals

beryllium, zirconium, tantalum, niobium and cobalt deposits up to the end of the Second 5-Year Plan period. During the Third 5-Year Plan great strides ahead were made towards supplying the country with non-ferrous and rare minerals. New copper ore deposits were discovered in southern Ural, Kazakhstan and Transcaucasus. Prospecting on a large scale was carried out in the Dzheskazgan, Almalyka and Agaraka areas. Available resources of lead increased considerably during the Second 5-Year Plan as a result of deposits developed in the Rudny Altay and new deposits discovered in Kazakhstan. Discovery and development of nickel ore deposits enabled the construction of the large nickel combines Severonikel, Yuzhuralnikel, and the Noril'sk plant. In 1934, the first nickel plant was built in Ufalet. As a result of systematic prospecting additional nickel ore deposits were located, and the importance of nickel deposits in the Krasnoyarsk kray, Murmansk, Chkalovsk and Aktyubinsk oblast increased considerably. The supply with raw material for the aluminum industry was greatly improved during the Second 5-Year Plan. Deposits of Central Ural (Sokolovskiy, Pirogovskiy and others) were 1.5 as large as those at

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132-11-3/7

Achievements of Soviet Geologists in Discovering Deposits of Non-ferrous and Rare Metals

Tikhvin, and the commercial value of bauxite mined in northern Ural was proven. New deposits of bauxite were discovered in southern Ural on the territory of the Bashkir SSR (Kukshinskiy group), in Kazakhstan (Akmolinskiy and Turgayskiy rayons), in eastern and western Siberia (Salairskoye deposit). Numerous deposits were discovered during the Second 5-Year Plan, the most important were found in the Yakut ASSR. Further deposits of tin were discovered on the Chukhotka peninsula, and of special importance were the tin-polymetallic deposits found in the Primorskoy Kray. Other polymetallic ores, mined in the Kirgiz SSR and the northern Caucasus, were found to contain tin. The available resources of tungsten were increased greatly by new discoveries in the Buryat-Mongolian ASSR and the Kabardino-Balkarsk ASSR. Molybdenum was mainly discovered in the complex tungsten-molybdenum mines (Chikoy, Umal'tinsk and others), the output of which surpassed all former deposits. Large deposits of mercury and antimony were already known at the First 5-Year Plan. During the Second 5-Year Plan the output of mines in operation was considerably increased (Nikitovskiy, Khaydarkan, Kadam-Dzhayskiy, Turgay), and new mercury

Card 5/6

KOGAN, I.D.

Possibilities of increasing the efficiency of geological prospecting
[with summary in English]. Sov.geol. 1 no.9:141-148 8 '58.

(MIRA 12:2)

1. Gosudarstvennaya komissiya po zapasam.
(Prospecting)

~~KOGAN, I.D.~~ etv.red.; ANDREYKO, V.F., red.; BORZUNOV, V.M., red.;
MIRLIN, R.Ye., red.; MIRONOV, K.V., red.; SERGEYEVA, N.A.
red.isd-va; GUROVA, O.A., tekhn.red.

[Materials of the State Committee on Resources on prospecting methods, evaluation and calculation of mineral deposits; collected studies] Materialy GKZ po metodike rasvedki, promyshlennoi otsenke i podshchetu zapasov mestorozhdenii poleznykh iskopaemykh; sbornik. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po geol. i okhrane neдр. No.1. 1959. 153 p. (MIRA 13:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya komissiya po zapasam poleznykh iskopaemykh.
(Mines and mineral resources)

KOGAN, I.D.

Basic requirements for geological reports in estimating reserves in
the State Commission on Mineral Reserves. Sov.geol. 4 no.5:121-133
My '61. (MIRA 14:6)

1. Gosudarstvennaya komissiya po zapasam poleznykh iskopayemykh
pri Sovete Ministrov SSSR.
(Mines and mineral resources)

KALLISTOV, P.L.; ZENKOV, D.A.; PROKOP'YEV, A.P. Prinimali uchastiye:
BOGDANOV, F.M.; BORZUNOV, V.M.; BURYBLIN, A.V.; DROZDOV, M.D.;
YEROFEYEV, B.N.; KOMISSAROV, A.K.; KOGAN, I.D.; LYUBIMOV, I.A.;
MIRLIN, R.Ye.; ROKHLIN, M.I.; SERGEYEV, P.V.; SEMENOV, A.D.;
FROLOV, V.V.; NEMANOVA, G.F., red. izd-va; GURDIYENKO, Ye.B.,
tekh. red.

[Instructions for applying the classification of reserves to
primary gold deposits] Instruktsiia po primeneniui klassifi-
katsii zapasov k korennyim mestorozhdeniim zolota. Moskva,
Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1955.
46 p. (MIRA 15:2)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya komissiya po zapas-
sam poleznykh iskopyemykh.
(Gold ores---Classification)

KOGAN, I.D.

Basic requirements of the State Committee on Mineral Resources
for calculating the reserves of ore deposits. Mat GRZ no.3:
3-18 '63

GUSEYNOV, M.M.; ISMAYIL-ZADE, I.M.; STEPANYAN, A.M.; KOGAN, I.G.;
DZHAFAROV, N.K.

Result of treating mycosis of the scalp without the use of
rays. Vest.darn.i vch. 33 №6:16-20 N-D '59.

(MIRA 13:12)

(SCALP--DISEASES) (IODIDES--THERAPEUTIC USE) (VITAMINS--A)

KOGAN, I.I., inzh.

New designs of standardized tower cranes. Bezop.truda v drem.
5 no.11:30-30 II '61. (MIRA 11:11)
(Cranes, dorricks, etc.)

KOGAN, I.I.

Tula Expedition of 1812-1818. Trudy Inst. 1st.est.i tekhn. 33:216-
227 '60. (MIRA 13:8)
(Moscow Basin--Coal mines and mining)

KOGAN, I.I.; TSEYTLIN, L.V.

Our practices in constructing roadbeds. Transp.stroi. 10
no.4:11-13 Ap '60. (MIRA 13:9)

1. Nachal'nik Proisvodstvenno-tekhnicheskogo otdela tresta
TSentrostroyemkhanisatsiya (for Kogan). 2. Nachal'nik mekhkolonny
No.43 tresta TSentrostroyemkhanisatsiya (for Tseytlin).
(Railroads--Earthwork)

BELINKIY, Yevgeniy Aleksandrovich; KOGAN, I.I., inzh., nauchn. red.;
KOSTANDOV, A.I., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Efficient water-heating systems] Ratsional'nye sistemy vo-
dianogo otopeniia. Leningrad, Gosstroizdat, 1963. 207 p.

(MIRA 16:12)

(Hot-water heating)

KIPNIS, A.M.; KOGAN, I.I.

Stand for adjusting manometers. Priborostroenie no.8;30 Ag '60.
(Manometer—Testing) (MIRA 13:9)

S/028/61/000/008/003/003
D220/D304

AUTHOR: Kogan, I. I.

TITLE: The introduction of new standards and control
of existing standards

PERIODICAL: Standartizatsiya, no. 8, 1960, 38 - 42

TEXT: The author states that on the basis of past experience the introduction of new standards is accomplished with great difficulty in the USSR. The "Committee of Standards for Measures and Measuring Instruments" helps the factories adopt new standards. Extensive work is being done by the Ivanov GKL on introducing new standards: 42 new standards on fabrics prepared by TU are coming out at the present time. Two new measures of hardness have been introduced by the Ivanov GK1: - MTR and MTB which are in accordance with the requirements of GOST 9031 - 59. The National Control Laboratory carried out an investigation at the factory of BIM on the manufacture of cotton fabrics. Deviations from the standard requirements were noted for a) cotton

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The introduction of new...

S/028/61/000/008/003/003
D220/D304

fabric and b) staple. The Laboratory report stated that the physical-mechanical properties of fabrics were not in accordance with the national standards. Due to the introduction of automatic control these deviations from the standard were eliminated. The Gor'kiy GKL has made it possible for the factory of "Krasnaya Etna" to select dimensions for producing spring wire which satisfy the requirements of GOST 9389-60. GOST 370-60 was not accepted in connection with vertical drilling machines. The Tomsk GKL investigated the quality of manometers and found that they satisfied the requirements of GOST 8625-59. The most urgent problem is to increase the tensile strength of cords. Due to the intensive investigation carried out by GKL this problem was also solved, the strength of cords now being in accordance with specifications. The Stalingrad GKL carried out investigations in a paint factory. With the help of the management GKL arranged the introduction of new standards and adherence to existing standards was also achieved. Effective work is car-

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The introduction of new...

S/028/61/000/008/003/003
D220/D304

ried out by the Krasnodar GKL for the electrotechnical factory of Armavir. The plant's electric motor output was in accordance with the standards of TU, due to the help given by GKL. The Karel' GKL carried out work on improving the quality of corrugated cardboard (GOST 7420-55) and cardboard for box-making (GOST 1933-56). Successful work was carried out by the GKL on improving the quality of paper for newspapers (GOST 6445-53) its quality requirements now being in accordance with the standards. The Irkutsk GKL has carried out work on the subject of boxes in the tea-pressing factory. The results of investigation were to introduce a new "box dimension" in accordance with the standard GOST 3916-55, and to control humidity in wood, both factories contributing to improving the quality of boxes. The Primorsk GKL, carried out investigations in a plywood factory and by their assistance raised the output by 2000 m³ of plywood, saving 164 thousand rubles. The Tula GKL investigated the efficiency of a furniture factory where 12.5% of the chairs were rejected and 25% were under size. By helping them with new

Card 3/5

The introduction of new...

S/028/61/000/008/003/003
D220/D304

standards this inefficiency was totally eliminated. Through the help of the Rostov GLK a considerable amount of material was saved in an electric service station. The Vladimir GKL observed that in the Kosterev textile factory the shuttles were not according to GOST 5906-59, but in fact according to TU-511-56 which brought about differences in the weight and linear dimensions. Serious deviations from standards exist in a Gor'kiy automobile service works where, for instance, clutches of a type MY (MU) 200 deviated from the GOST 8707-58 standard. The Yaroslavl' GKL proved that electric motors with special drive did not satisfy the requirements of GOST 183-55 and GOST 8215-56. The factory in conjunction with GKL eliminated these defects. The Yaroslavl' GKL eliminated the deviation from quality requirements of diamond powder from the standard GOST 9201-59. The Kuybyshev GKL showed that the products of an abrasives manufacturing factory deviated from GOST 4785-53. The author concludes that national laboratories should be given a free

Card 4/5

KOOAN, I. I.

Equipping state inspection laboratories and enterprises with new
measuring instruments. Izv. tekhn. no. 8:55-56 Ag '60.

(Measuring instruments)

(MIRA 1:3:9)

KOGAN, I.I.

Intensify state inspection of measuring devices for fuel and
lubrication materials. Izv.tekh. no.2:55-56 F '61. (MIRA 14:2)
(Petroleum products—Measurement)

KOGAN, I.I.

Cooperation of the State Testing Laboratory in introducing new
measuring equipment in the national economy. Iss. tekhn.
no.9:58-60 8 '61. (MIRA 14:8)

(Testing laboratories)

KOGAN, I.I.

Promote the exchange of experience among the state testing laboratories. Izv.texh. no.10:56 0 '61. (MIRA 14:11)
(Testing laboratories)

KCGAN, I.I.

Inspecting the introduction and maintenance of standards.
Standartizatsia 25 no.8:38-43 Ag '61. (MIRA 14:7)
(Standards, Engineering) (Testing laboratories)

KOGAN, I.I.; PETROPAVLOVSKIY, V.V.

Improve the inspection of measuring equipment in preventive
medicine institutions. *Izv. tekhn. no. 3:57-58* Mr '62.

(Medical instruments and apparatus—Testing)

(MIRA 15:2)

KOGAN, I.I.

Intensify the state inspection of measuring equipment for fuels
and lubricants. *Ism.tekh. no.1:60-61 Ja '63.* (MIRA 16:2)
(Petroleum products—Measurement)

KOGAN, I.I.; BUDZIS, V.A.

In state testing laboratories of the State Committee of Standard
Measures and Measuring Instruments. Izv. tekhn. no. 6:58-59. Je '63.

(Testing laboratories)

(MIRA 16:8)

PSHENKISYN, L.S., KOGAN, I.I.

Graphic work schedule for the reconstruction of a blast
furnace. Prom. stroi. 43 no. 12: 5-7 '65,

(MIRA 18:12)

ARNAUTOV, A.K.; BURSHEYN, Sh.A.; GENES, V.S.; KOGAN, I.K.; MAMATYUK, Ye.M.;
LITVINENKO, A.S.; MOSKALENKO, I.P.; NIKOLAYEVA, M.G.; PISKAREVA, Ye.V.;
POPOVA, L.Ya.; RUDNEV, L.I.; SIDYAKIN, V.V.; TKAOH, V.K.;
FASTYUCHENKO, O.V.; FISUN, A.N.; FRENKEL', L.A.; TSYBENKO, N.A.;
SHRAMENKO, B.I.

Comparative study on the effect of X rays (197 kv) and braking radiation generated with linear accelerator (3 Mev) upon animals. Radiobiologia 2 no.2:211-215 '62.
(MIRA 15:4)

1. Khar'kovskiy institut meditsinskoy radiologii i Ukrainskoy fiziko-
tehnicheskoy institut AN USSR, Khar'kov.
(RADIATION--PHYSIOLOGICAL EFFECT)

KOGAN, I. Kn.

429

Tualetnyye polki i zerkal'nyye. M., LPOZ, 1954. 13s. s ill. 21 sm. (Tsentr.
sovet promystuast. Koperarsiya SSSR. Tekhn. Upr. Obmen proizvod.-Tekhn. opytom.
Luchshiy obrastey izoeliy shiroko potrebleniya. 25). 1.000 eks. Bezpi.-Aut. ukoran v kontse
kontse Teksta.--(54-14787 zh) 686.7

SO: Knizhanaya, Letopis, Vol. 1, 1955

SLAVIN, S.V., doktor ekon. nauk; GRANIK, G.I., kand. ekon. nauk; LOGINOV, V.P.; MIKHAYLOV, S.V.; SHAPALIN, B.P., kand. geogr. nauk; AVAKYAN, M.I., nauchnyy sotr.; ZAKHAROV, G.A., nauchnyy sotr.; KAMENITSER, L.S., nauchnyy sotr.; TITOVA, N.I., nauchnyy sotr.; TYURDENEV, A.P., nauchnyy sotr.; CHUGUNOV, B.I., starshiy nauchnyy sotr.; KOGAN, I.I.; MESHKOVSKAYA, L.V., starshiy inzh.; LUKIN, I.I.; FAYERSHTEYN, R.I.; Primalni uchastiye: Agranat, G.A., kand. geogr. nauk, red.; PUZANOVA, V.F., kand. geogr. nauk, red.; KUPRIYANOV, A.B., nauchnyy sotr., red.; SOBOLEV, Yu.A., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.

[Problems in developing the productive forces of Magadan Province]
Problemy razvitiia proizvoditel'nykh sil Magadanskoi oblasti. Moskva, Izd-vo Akad. nauk SSSR, 1961. 301 p. (MIRA 15:1)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil.
2. Glavnyye inzhenera proyekta "Dal'stroyproyekt" (for Kogan, Fayershteyn).
3. Institut ekonomiki Akademii nauk SSSR (for Chugunov).
4. Energoupravleniye Magadanskogo Soveta narodnogo khozyaystva (for Meshkovskaya).
5. Nachal'nik Oblastnogo otdela po delam stroitel'stva i arkhitektury Magadanskoy oblasti (for Lukin).
(Magadan Province—Industries) (Magadan Province—Economic policy)

CHUBUKOV, A.A.; IVANOV, A.V.; CHERMOGOROV, L.L.; Prihimali uchastiyev:
KOGAN, I.L.; TALANOVA, L.N.; POPOVA, Ye.P.; ABROSOV, A.P.

Cleaning of spinnerets in the manufacture of viscose fibers.
Khim.volok. no.1:69-70 '63. (MIRA 16:2)

1. Rostovskiy nauchno-issledovatel'skiy institut tekhnologii
mashinostroyeniya.

(Rayon spinning)

KOZLOV, Aleksey Yefimovich; KOKOSHEV, Vasily Grigor'yevich;
PETROV, Georgiy Yefimovich; RATOVSKIY, Petr Mikhaylovich;
KOGAN, I.L., red.

[Manufacture of diaphragms and bellows from beryllium
bronze] Izgotovlenie membran i sil'fonov iz berillievoi
bronzy. Leningrad, 1964. 17 p. (Leningradskii dom nauchno-
tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya:
Goriachaia i kholodnaia obrabotka metallov davleniem, no.2)
(MIRA 17:7)

KOGAN, I. L.

Kogan, I. L., ed Ship sanitation Sostavili M. G. Markhasev I dr. Moskva, Medgiz, 1945.

157 p.

KOGAN, I. L.

137-1958-1-103

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 16 (USSR)

AUTHOR: Kogan, I. L.

TITLE: A Plan for Stripping the El'gi. Deposit (Proyekt otrabotki El'ginskogo mestorozhdeniya)

PERIODICAL: Kolyma, 1957, Nr 4, pp 14-18

ABSTRACT: A plan for stripping the deposit and a design for a concentration mill for washing and milling the sands are offered.

A. Sh.

1. Mining engineering--USSR 2. Mines--Operation--USSR

Card 1/1

KOGAN, Isaak Moisevich; VINOGRADOV, Ivan Davydovich; SHURUYEV, V.N.,
spetsredaktor; MORSECHIKOV, V.D., redaktor; RAKOV, S.I., tekhnicheskiy redaktor

[New wage scale in effect] Novye tarifnye usloviia v deistvii.
[Moskva] Izd-vo VTSAPS Profizdat, 1957. 38 p. (MIRA 10:9)
(Wages)

BLOTSKIY, S.N., inzh.; OSINTSEV, V.V., inzh.; DEMCHENKO, F.N., inzh.;
Prinimali uchastiye: VOLODIN, M.V.; KOGAN, I.M.; ZAKHAROV, N.V.;
BLOTSKIY, A.N.; UKKONEN, V.A.

Increase in the efficiency of the Brown-Bowery steam turbine. Prom.
energ. 17 no.3:28-29 Hr '62. (MIRA 15:2)
(Steam turbines)

AUTHOR: I.M. Kogan

SOV/106-58-10-2/13

TITLE: The Problem of Stability and the Effect of Parasitic Reactance of Selective RC-Systems (K voprosu stabil'nosti i vliyaniya parazitnykh reaktivnostey selektivnykh RC-sistem)

PERIODICAL: Elektrosvyaz', 1958, Nr. 10, pp 9 - 19 (USSR)

ABSTRACT: The assumptions usually made that the elements of RC amplifiers remain constant and that parasitic reactances can be ignored, are unjustifiable for frequencies exceeding 1000 c/s. The object of this paper is to develop the theory to accord more closely with practical circuits. The author divides RC amplifiers, which employ phase-shifting negative feedback, into two types: RCR - circuits with differentiating networks; CRC - with integrating networks. The general circuit containing three phase-shifting networks is given in Fig 1. The effects of variation in the circuit elements on the basic parameters of the RC amplifier - the critical amplification coefficient without feedback A_0 and the frequency ω_0 at which self-oscillation occurs - are investigated, and then

Card 1/4

The Problem of Stability and the Effect of Parasitic Reactance of Selective RC-systems SOV/106-58-10-2/13

the effect of stray capacitance in the circuit. The equivalent RCR circuit is given in Fig 2. It is shown that the condition most favourable for self-oscillation is when the phase-shifting networks are all identical. Amplification stability is optimum when identical networks are used and worsens sharply for small values of C and large values of R in the second and third networks compared to the values of the first network. Frequency instability increases with increase of resistance and capacity values and to obtain the most effective control of the frequency the resistance of the first network and the capacity of the last should be varied as these elements have the greatest effect on the frequency. The equivalent CRC circuit is given in Fig 5. It is shown that amplification instability increases with reduction of the resistances and capacities, when the phase-shifting networks are identical. The effects of stray reactances of both the anode load and of the phase-shifting networks are next investigated. The equivalent circuits taking

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The Problem of Stability and the Effect of Parasitic Reactance of
Selective RC-Systems SOV/106-58-10-2/13

stray reactances into account are shown in Figs 8 and 9. For the RCR type of circuit, the effect of the anode load phase angle α_a is considered. The curves of Fig 10 show that the modulus of the amplification coefficient increases with reduction of α_a . The effect of the shunt capacity across the load resistance R_a causes the amplitude of self-oscillations to reach a maximum value as R_a is increased. The effect of stray capacity across the phase-shifting network is to make necessary an increase in the critical gain (over the theoretical gain necessary for oscillations). For CRC type circuits the shunting capacity across the anode load leads to reduction of the amplification coefficient. The stray capacities across the phase-shifting

Card 3/4

The Problem of Stability and the Effect of Parasitic Reactance of
Selective RC-Systems SOV/106-58-10-2/13

networks merely increase the basic circuit capacity.
Thus, CRC types are more convenient for high frequency
oscillators than RCR type circuits.
There are 15 illustrations, no references,

SUBMITTED: January 31, 1958

Card 4/4

AUTHOR: Kogan, I.M.

SOV/106-59-6-5/14

TITLE: Selective Properties of the Autodyne Receiver
(Izbitatel'nyye svoystva avtodinnogo priyema)

PERIODICAL: Elektrosvyaz', 1959, Nr 6, pp 31-40 (USSR)

ABSTRACT: The selective properties of an autodyne, as for other receiving apparatus, are of fundamental practical significance. The article is based on the Meissner autodyne circuit (Fig 1), having transformer feedback to the anode; "e" is the received signal voltage. To enable the results obtained to be extended to any autodyne circuit, the relationships between the parameters of the Meissner circuit and the parameters of other autodyne circuits are first established. Because investigation of the selective properties involves cubic equations, a method for the approximate solution of such equations is advanced. The general circuit of an auto-oscillator as shown in Fig 3 takes the form of a three-terminal circuit, and the "normal" circuit is shown in Fig 2. The Meissner circuit is transformed to the normal circuit by formulae (1) and the three-terminal circuit is transformed to the normal circuit by formulae (2). From these formulae, the

Card 1/3

SOV/106-59-6-5/14

Selective Properties of the Autodyne Receiver

relations between the parameters of the three-terminal circuit and the Meissner circuit are derived (Eq (7)). The autodyne receiver can operate under two regimes which the author classifies as 1) beat reception, and 2) constant current reception. The author first considers constant current reception. The selective properties of an autodyne are determined by the frequency band within which the external e.m.f. produces a practically significant change in either the amplitude or the frequency of the autodyne. A formula is derived (Eq (28)) which agrees well with the experimental results given in Refs 8 and 9, and which shows that the bandwidth within which there is any significant change in the frequency of the oscillations is approximately twice the total locking band, with a weak tendency to decrease with reduction in the external e.m.f. It is concluded that the pass band of an autodyne operating under constant current reception conditions is approximately $1\frac{1}{2}$ to 2 times the total locking band, both with respect to frequency and amplitude.

Card 2/3

SOV/106-59-6-5/14
Selective Properties of the Autodyne Receiver

Finally the author investigates the operation of an autodyne under beat conditions. Comparison is made of the relationships obtained for the autodyne and the relationships between the selectivity (bandwidth) of an unexcited regenerator and its degree of regeneration.

Card 3/3 There are 8 figures and 10 references, of which 9 are Soviet and 1 is English.

SUBMITTED: July 26, 1958

KOGAN, I. M.

Reply to E.N. Garnash's letter to the editor. *Elektrosviaz'*
14 no.2:78 F '60. (MIRA 13:5)
(Electric capacitance)

9.2580

AUTHOR: Kogan, I.M.

S/106/62/000/007/002/005
A055/A101

TITLE: Amplifying and selective properties of the autodyne in the presence of external noise emf

PERIODICAL: Elektrosvyaz', no. 7, 1962, 11 - 16

TEXT: The effect of the external noise emf upon the autodyne circuit has been analyzed by many investigators, and namely by L.S. Pontryagin, A.A. Andronov, A.A. Vitt ("Zh.E.T.F.", 1933, v. 3) who used the Einstein-Fokker equations method, and by S.M. Rytov ("Zh.E.T.F.", 1955, v. 29, no. 3) who used the symbolic differential equations and correlation theory method. Applied to practical calculations, these methods imply, however, very complicated calculations and may lead to exaggerated errors. In the present article is described a method that can be named "harmonic method", inasmuch as it takes into account the effect of a harmonic emf on the self-oscillator. In the first part of the article, the author expounds the fundamental principles underlying his analytical method. In the second and essential part of the article, he analyzes the amplifying and selective

✓
B

Card 1/2

Amplifying and selective....

S/106/62/000/007/002/005
A055/A101

properties of the autodyne circuit in the presence of an external noise emf.
Formulae for

$$\overline{\Delta I^2} \text{ noise}$$

the dispersion

$$\sigma^2$$

of the noise current at the autodyne output and the "transmission factor" of the autodyne circuit as regards the external noise emf are deduced in this part of the article. The author emphasizes the fact that the use of the formulae deduced by him renders practical calculations particularly simple. The Soviet personalities mentioned in the article are: A.A. Lyubomudrov and V.I. Smirnov. There is 1 figure.

✓B

SUBMITTED: February 8, 1962

Card 2/2

KOGAN, I.M.; OSINTSEV, V.V.

Reduction of the noise produced by turbocompressors. Biul. TSIICHM
no. 4:49-50 '61. (MIRA 14:10)

1. Chelyabinskiy metallurgicheskiy zavod.
(Turbomachines--Noise)

ACC NR: AP6004823

SOURCE CODE: UR/0108/66/021/001/0008/0014

AUTHOR: Kogan, I. M.

40
B

ORG: Scientific and Technical Society of Radio Engineering and Electrocommunication
(Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Is telepathy possible? For purposes of discussion. [Reported at the
Scientific Board on Cybernetics, AN SSSR, 3 July 65]

SOURCE: Radiotekhnika, v. 21, no. 1, 1966, 8-14

TOPIC TAGS: telepathy, information theory

ABSTRACT: An attempt is made to answer the question whether or not telepathy is
physically possible, whether the observed facts can be accounted for by an electro-
magnetic carrier of telepathic information. The two individuals engaged in telepathic
experiments are regarded as an "inductor" and a "receiver"; a part of the electro-
magnetic energy radiated by the "inductor" via his "antenna" is received by the
"receiver" via his "antenna." Formulas connecting the telepathic-system capacity,
biocurrents, and antenna surfaces show that, with lower rates of transmission, the

2

Card 1/2

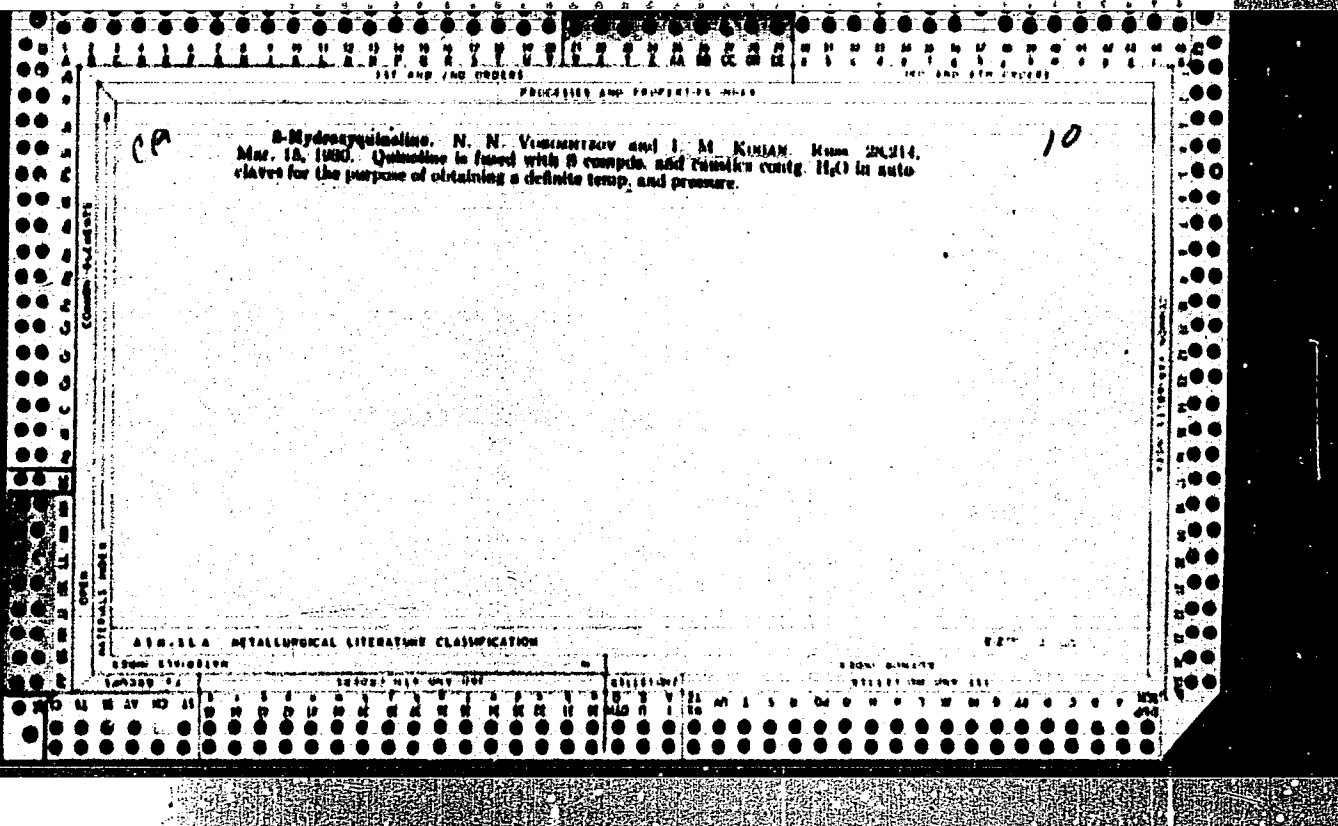
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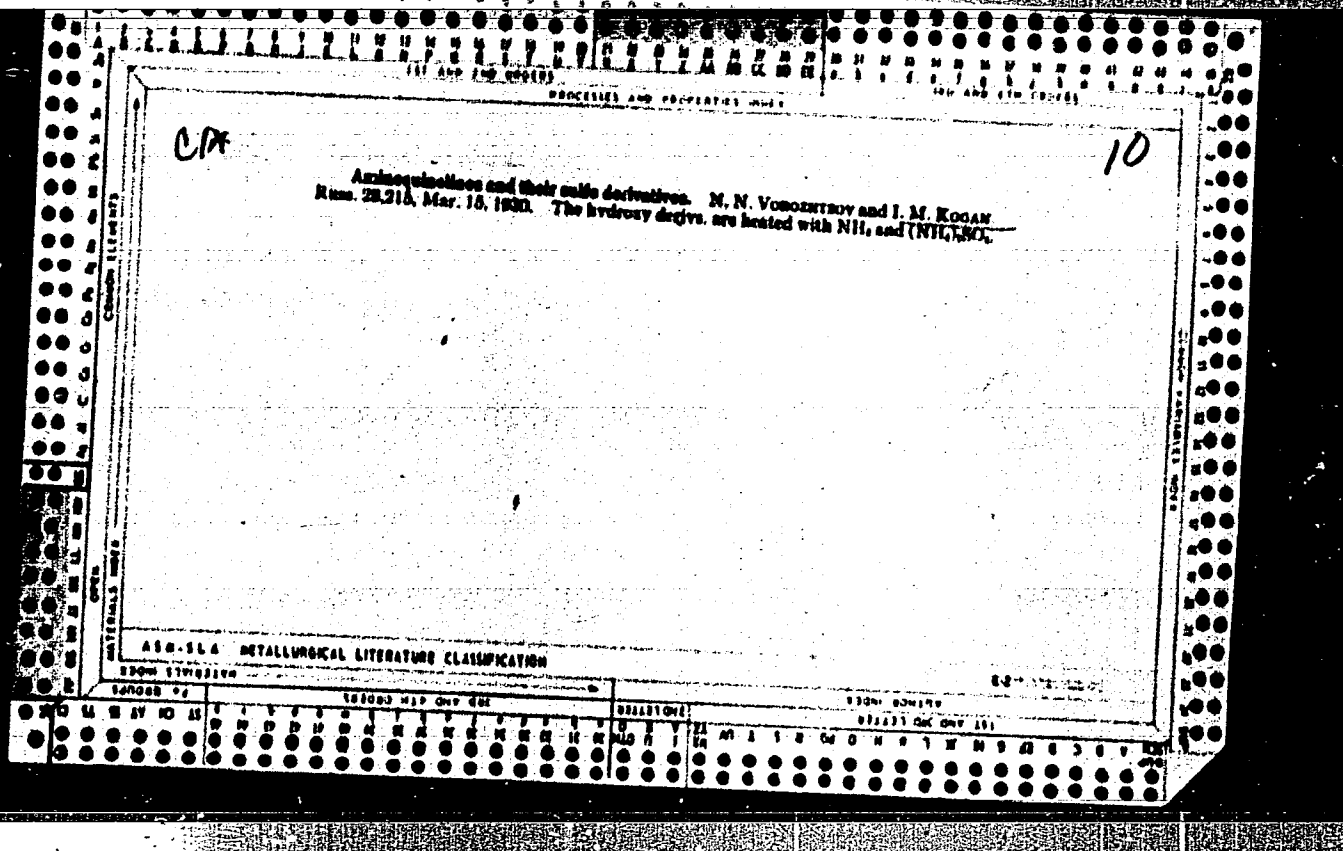
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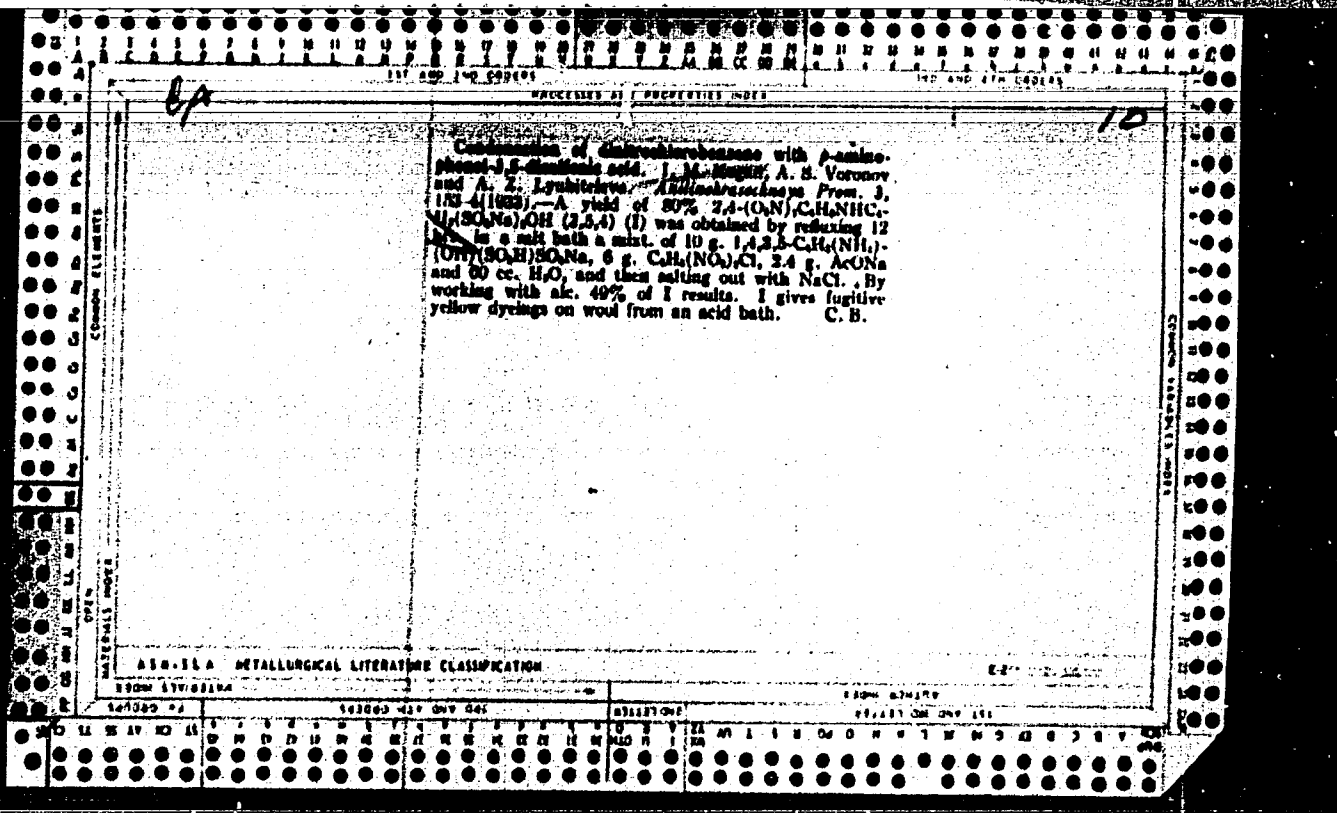
required biocurrents decrease indefinitely. Five types of (published) telepathic observations are cited. It is found analytically that in principle telepathy through a biocurrent-generated electromagnetic field is possible at any distance, greater ranges corresponding to lower rates of information transmission. Possible wavelengths of telepathic transmissions are roughly figured out as lying between 10 m and 1000 km. Possible "inductor" power is under 10^{-10} w. Accurate psychological and biophysical experiments are held desirable. Orig. art. has: 3 figures, 19 formulas, and 2 tables. [03]

SUB CODE: 17/ SUBM DATE: 22May65/ ORIG REF: 004/ OTH REF: 002/ ATD PRESS: 428

Card 2/2 PB







BC a-1

PROCESSED AND PRESERVED IN ACCORDANCE WITH THE NATIONAL ARCHIVES RECORDS MANAGEMENT PROGRAM

Substitution of acetate in presence of sodium acetate and p-nitrophenol. E. M. Kozak, A. N. Platovskiy, and A. N. Yevseyev (Amstretsk).
Zhurnal Khim. Fiz. 34:427. The solubility of Na_2SO_4 in H_2O at 25°C is 19.4 g/100 g H_2O and is greatly decreased by the presence of H_2SO_4 and $\text{NaO-C}_6\text{H}_5$. R. T.

810-512 METALLURGICAL LITERATURE CLASSIFICATION

01	02	03	04	05	06	07	08	09	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	00
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PROCESSING AND PROPERTIES INDEX

10

Ca

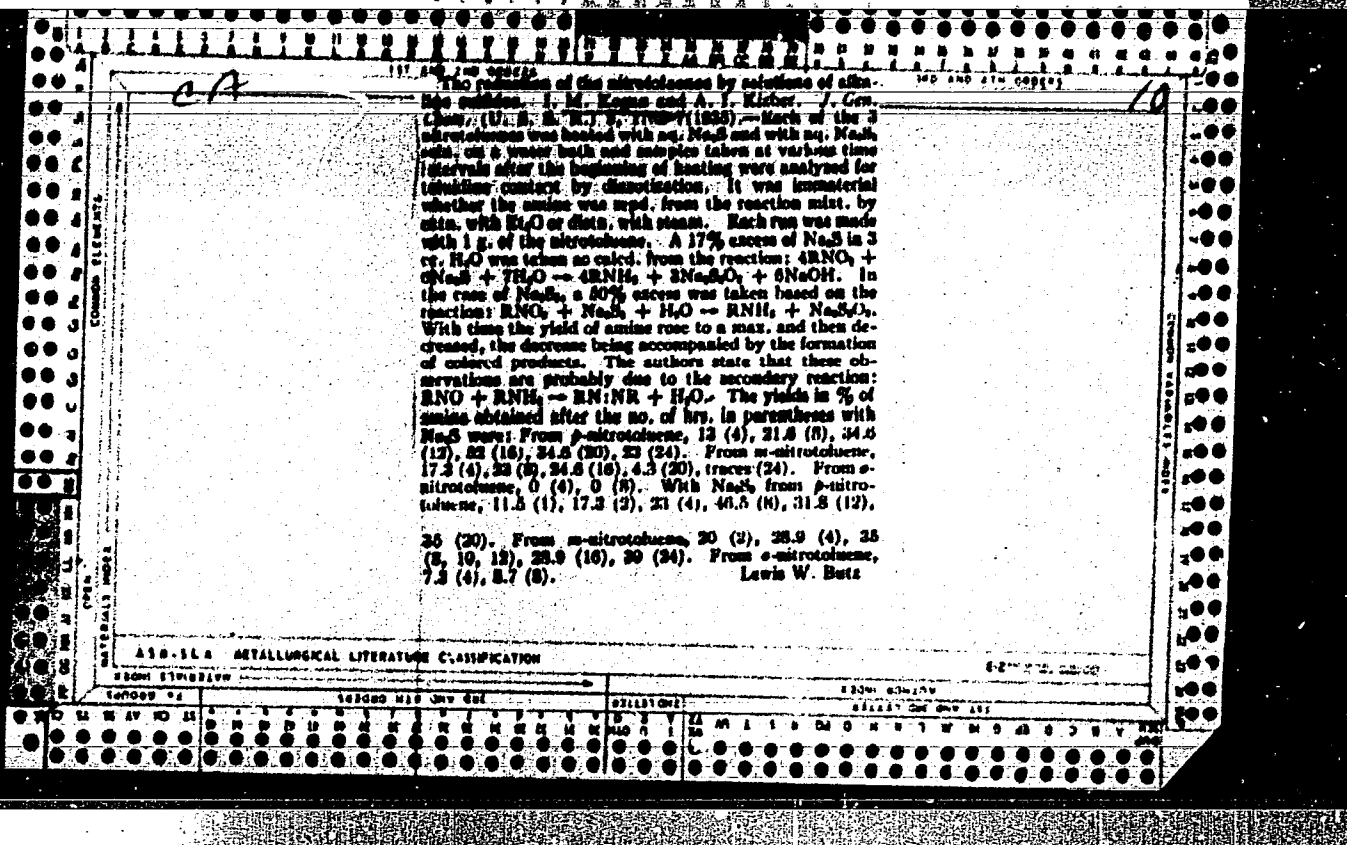
Separation of β -naphthal. I. M. Kozma, A. N. Petrovskii and A. N. Rykotsinov. *Andineobrazovaniya* *Prava*, 4, 277-8 (1934).—Under equal conditions the sepn. of β -naphthal (II) from the melt with dil. acids is in proportion to the concn. of Na_2SO_4 . The content of I in the aq. layer is increased with the concn. of NaOH . A content of 0.25% Na_2SO_4 in I seems to be const. The sepn. of I is more complete at lower temps., but is excessively long

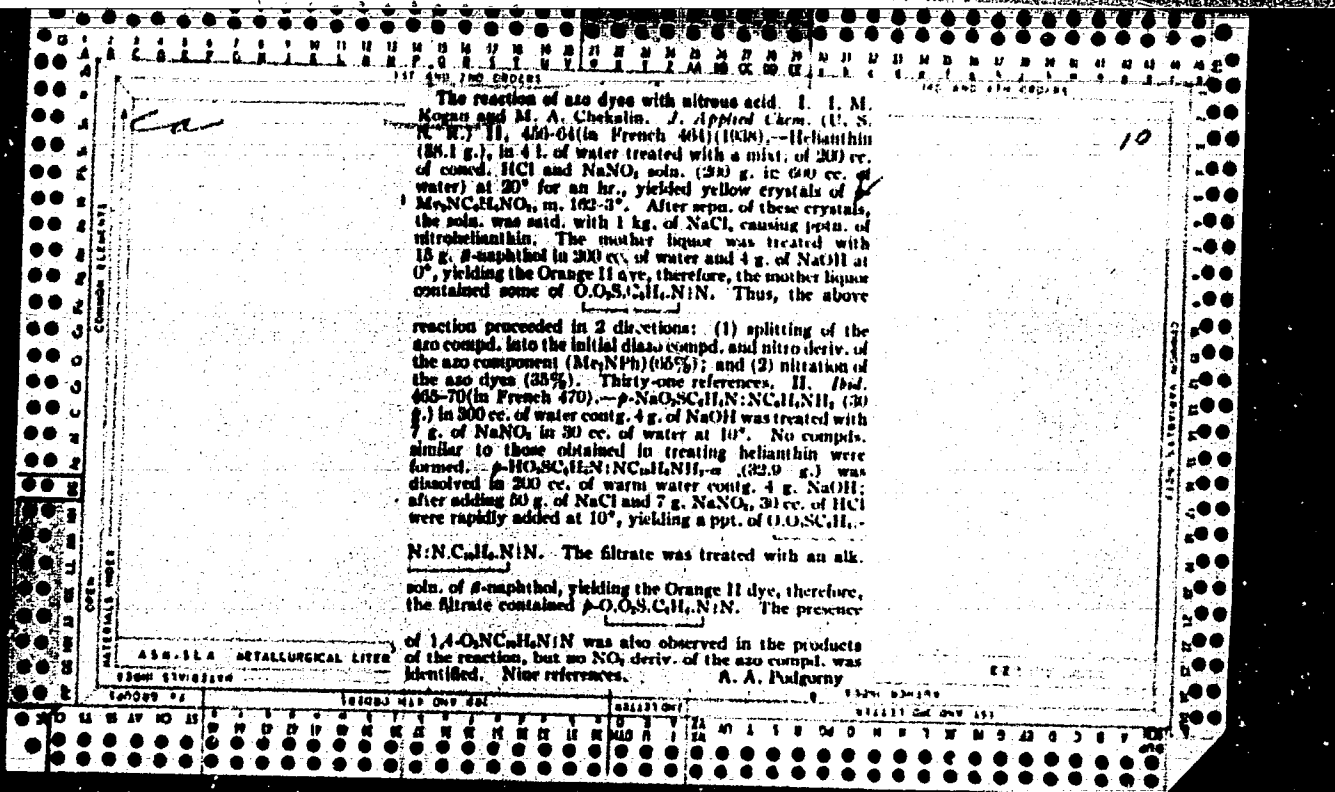
Chas. Blanc

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCH SYMBOLS

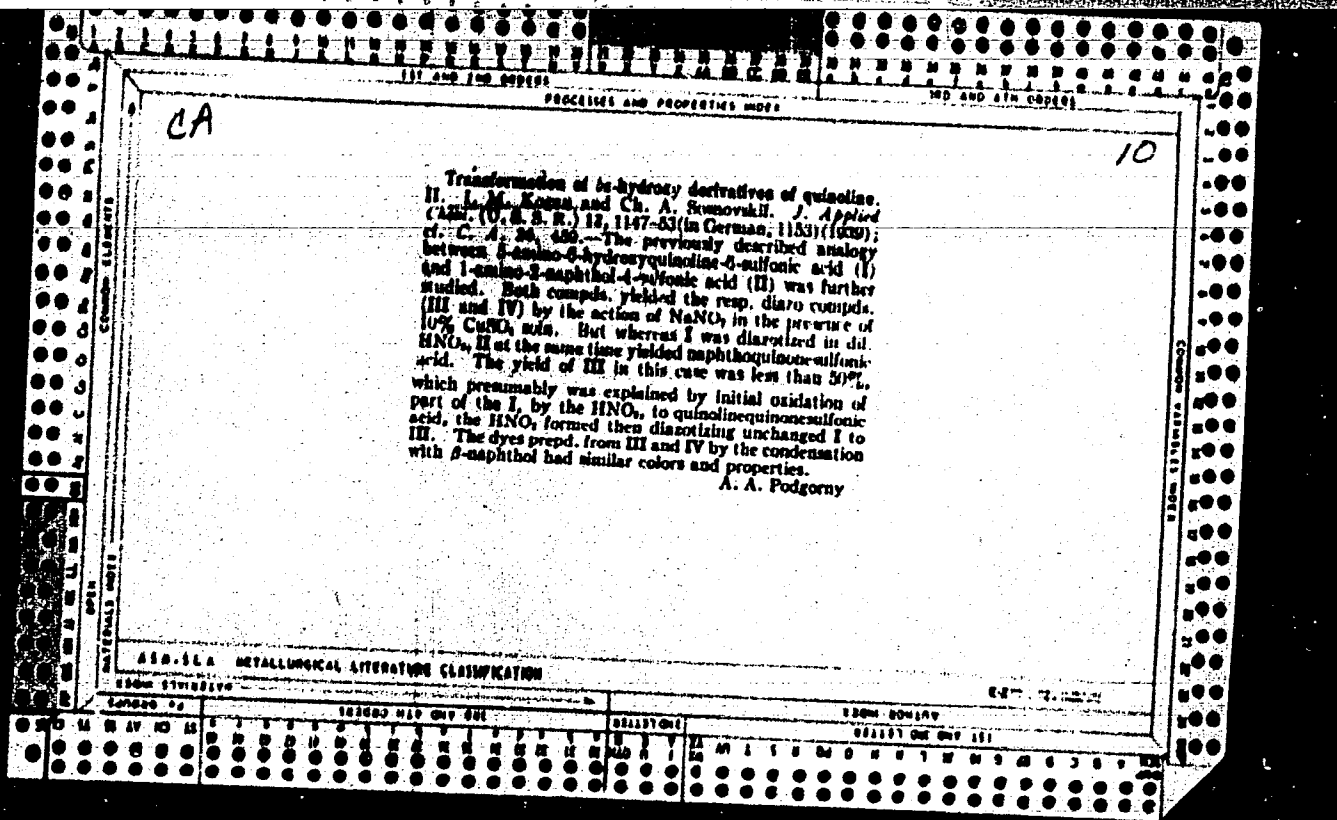
SEARCH SYMBOLS	SEARCH SYMBOLS	SEARCH SYMBOLS	SEARCH SYMBOLS
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z





PROCESSES AND PRODUCTS

The interaction of 1,3-asphyrimine-sulfonic acid with
 Muffio, J. M., Kozan and A. I. NIKOLAEVA. *J. Applied*
Chem. (U. S. S. R.) 11, 628-9 (in French 630) (1938);
 of C. A. 10, 1040; 23, 2437; 23, 244; and N. N.
 VASILEVICH. *Zhurnal Fiz. Khim.* (U. S. S. R.) No. 1, 21
 (1931); *Zhurnal Fiz. Khim.* and *Nature*, vol. 128,
 114, 1932, with water to 100 cc. and reduced on a water
 bath. In all cases 2.0 g. of 1-NH₂-C₆H₄-SO₃H (97%) I
 was used while the amt. of NaHSO₃ were varied (20, 7
 and 1 mol. of acid). An aliquot (1 cc.) was
 taken out at 0.5-hr. intervals for the detn. of the amt. of
 acid reacted. After 20 hrs., the amts. of I transformed to
 51-HOC₆H₄-SO₃H II were 0%, 50 and 2.5%, resp. To det.
 the effect of amt. of NaHSO₃, similar expts. were carried
 out, with the 1:7 ratio of I to NaHSO₃, but dilg. with water
 to 100, 150, 300 and 600 cc. In this case, the yield of II
 decreased with increase of diln. The best yield was ob-
 served in the soln. having μ about 4.2, and the lowest at
 μ 4.6. To observe the effect of the H-ion concn., a series
 of expts. was carried out as follows: 3.1 g. of NaHSO₃ soln.
 (36°Bé.) and 24.6 g. of NaHSO₃ or Al₂(SO₄)₃ (in the same
 mol. ratio as NaHSO₃), yielding II in the amts. 25% (after
 7 hrs.) and 11% (after 6 hrs.), resp. The partial substi-
 tution of NaHSO₃ with PhNH₂·HCl (0.07 mol. and 0.01
 mol. of NaHSO₃) yielded 8% of II after 4 hrs. which did
 not increase with the time. With 0.01 mol. of I, 0.01
 mol. of NaHSO₃ and AcOH in amts. to make 5, 2, 1, 0.5
 and 0.2% soln. the yields of II were 3, 11, 11, 18 and 6%,
 resp., after 3 hrs. Therefore, the reaction proceeded only
 in weakly acid soln. and the velocity of the reaction de-
 pended on the H-ion concn. The partial substitution
 of NaHSO₃ with Al₂(SO₄)₃ or PhNH₂·HCl decreased the
 yield. The best reagent for the prepn. of II was NaHSO₃
 in the amt. of 7 mol. per 1 mol. of I. A. A. Podgorny.



PROCEDURES AND REPERIODIC MODS

10

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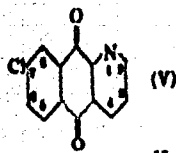
The reaction of arylamines with amino and hydroxy derivatives of quinoline in the presence of bisulfite. I. M. Kagan and Kh. M. Raikhan. *J. Applied Chem.* (U. S. S. R.) 12, 1263-4 (in French, 1298) (1939).—*N*-(4'-Aminophenylamino)quinoline-5-sulfonic acid (I) (85% theory) was obtained by heating 8-aminoquinoline-5-sulfonic acid with *p*-Cl₂(NH₂)₂ in bisulfite soln. at 100-10° for 8 hrs. The same compd. was obtained by heating 8-hydroxyquinoline-5-sulfonic acid with *p*-Cl₂(NH₂)₂ in bisulfite soln. at the same temp. I can be diazotized and used in combination with the HO deriv. for the prepn. of dyes, but I itself cannot be coupled with diazonium compds. since it is oxidized by the diazonium compd. to quinone. The reaction of hydroxyquinoline with *p*-Cl₂(NH₂)₂ proceeded in two stages: (1) addn. of SO₂Na to the C having the OH group and (2) reaction of the HO group with the NH₂ group of the diamine. The analogy between 6- and 8-hydroxyquinoline and α - and β -naphthols was also investigated. Heating of 6-hydroxyquinoline with *p*-aminophenol in the presence of NaHSO₃ soln. yielded 70% of 6-(*p*-hydroxyphenylamino)-quinoline, m. 233.5-235°. Heating 8-hydroxyquinoline with the same phenol at the same temp. (115-20° for 27 hrs.) yielded 8-(*p*-hydroxyphenylamino)quinoline, m. 181-182.5° (37%). The 2 compds. did not condense with diazo compds. A. A. Podgoruy

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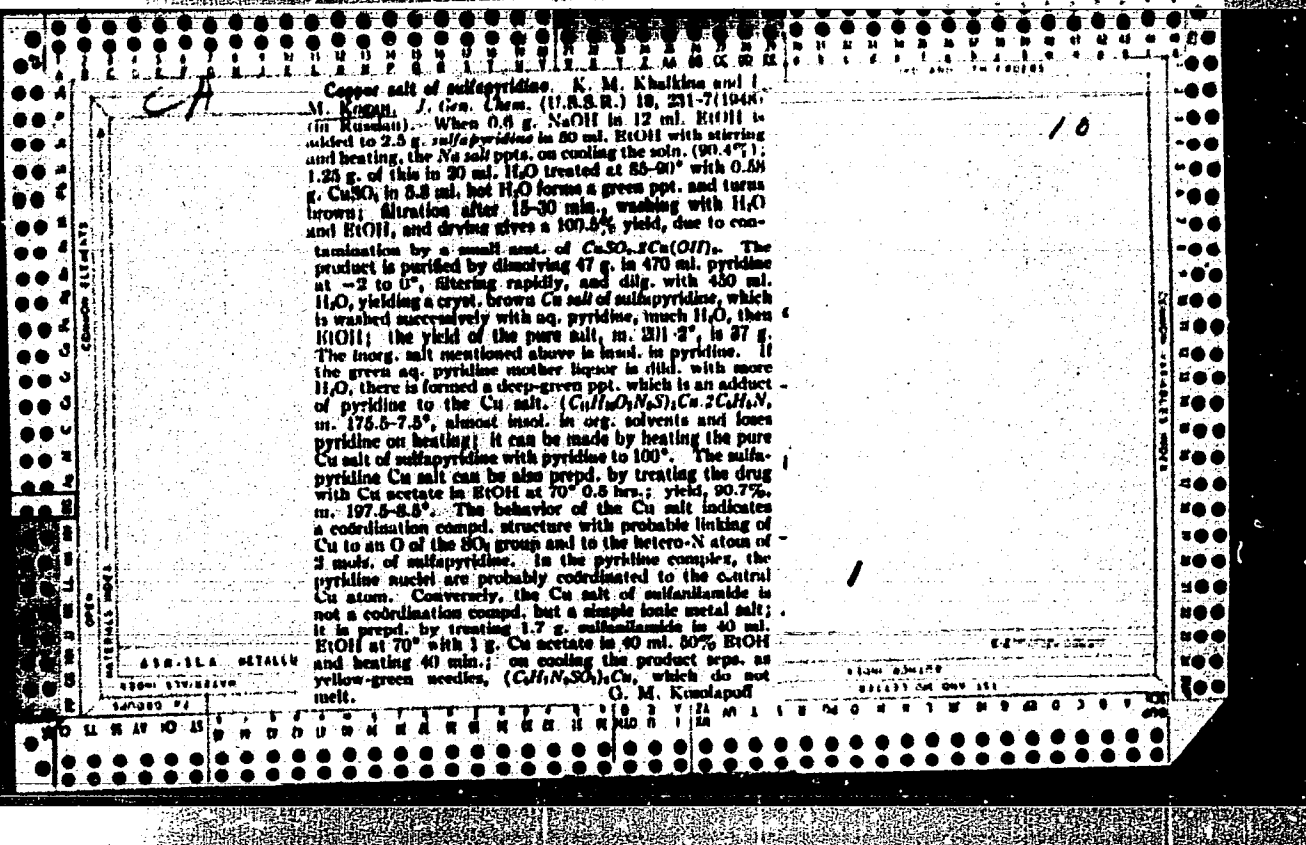
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186 condensation of quinoline acid anhydride with chlorobenzene. I. M. Kogan and L. A. Shekukina (Mendeleev Chem. Tech. Inst., Moscow). *J. Applied Chem. (U.S.S.R.)* 19, 925-30 (1946) (in Russian).—When 20 g. quinoline acid is heated with 20 g. Ac₂O at 100° 5 hrs. it gives 18.8 g. of the anhydride (I), m. 133-4°. When 4 g. I, 64 g. PbCl₂, and 14 g. AlCl₃ are heated 2 hrs. at 100°, treated with 70 ml. HCl, and steam-distd. to remove PbCl₂, they give 6.7 g. 3-*p*-chlorobenzoylpicolinic acid. HCl (V), m. 144°. If H₂SO₄ is used instead of HCl, the H₂SO₄ soln, m. 165°, is formed. When II is crystd. from H₂O it forms the monohydrate of the free acid, which after drying at 110° gives 3-*p*-chlorobenzoylpicolinic acid (III), m. 147°. III forms a complex Cu salt, m. 281°. The Co, Ni, Fe, Zn, and Pb salts are slightly sol. in H₂O. The Na, Ca, Ba, and Al salts are very sol. Oxidation of III with alk. KMnO₄ gives *p*-ClC₆H₄CO₂H. III and SOCl₂ give a yellow acid chloride (IV) which with NH₃ gives the amide, m. 176°. IV does not give ring closure with AlCl₃ in CS₂ or PhNO₂. Heating III with H₂SO₄ at 250° for 1 hr. gives 10.8% V, m. 246° (HCl salt m. 201°). Reduction with Zn dust and NaOH gives a green soln. of the corresponding hydroquinone which regenerates V when shaken with air.



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/ Dinitro derivatives of diphenylurea and its substitution products. I. M. Kozan and D. P. Kuznetsov, U.S.S.R. 79,379, 1953, 31, 1931. $\text{C}_6\text{H}_4\text{NHCOC}_6\text{H}_4\text{CO}$ or its substitution products are obtained by the action of dil. HNO_3 on $\text{CO}(\text{NHPh})_2$ or its substitution products having no salt-forming groups. The reaction is carried out at elevated temp., up to 100° . M. Hosh

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