

GALAI', Elbrurim; PAUCHKIN, I.M.

Investigation of the alkyl-halogenation reaction of benzene ho-
mologs. Izv.vys.ucheb.zav.; neft' i gaz 6 no.9:65-69 '63.

(MIRA 17:2

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennos-
ti im. akad.I.M.Gubkina.

PAUSHKIN, Ya.M.; YURSI ZAKHRA

Use of alumina-cobalt-nickel-iron containing catalysts for
reforming of crude oil. Khim. i tekhn. topl. i masel 8
no.12:4-7 D '63. (MIRA 17:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. akad. Gubkina.

MALYSHEVA, N.G.; STARCHIK, L.P.; PANIDI, I.S.; PAUSHKIN, Ya.M.

Application of the method of neutron absorptiometry for
determining the boron content of organoboron compounds.
Zhur. anal. khim. 18 no.11:1367-1369 N '63. (MIRA 17:1)

1. Institut neftekhimicheskoy i gazovoy promyshlennosti imeni
I.M. Gubkina, Moskva.

PAUSEIN, Ya.M.; AKUTIN, M.S.; NIZOVA, S.A.

Obtaining polyconjugated systems by interaction of
 α, β -dibromides with calcium oxide. Neftekhimia 3 no.4:
515-517 J1-Ag '63. (MIRA 16:11)

1. Moskovskiy institut neftekhimicheskoy i gazovoy
promyshlennosti imeni I.M. Gubkina i Nauchno-issledo-
vatel'skiy institut plastmass.

1(6)

CZECH/3-59-9-27/39

AUTHOR: Paušová, Jindra and Švehlová, Veronika
TITLE: Gliding Aids and Results (Plachtařské pomůcky a výkony)
PERIODICAL: Křídla Vlasti, 1959, Nr 9, p 19, col 2 and 3 (CSR)
ABSTRACT: Jindra Paušová, Master of Sport from the Ustí nad Labem Regional Aeroclub and Veronika Švehlová, České Budějovice Regional Aeroclub, discuss some glider flying aids and stress the need for good knowledge of meteorology. There are 2 photos.

Card 1/1

PAUSPERTL, K.

Hungarian Technical Abst.
Vol. 5 No. 2
1953

621.314.21.017
36. Evaluation of transformer losses — *Transzformátorvesztéségek értékelése* — K. Pausperth (Electrical Engineering — *Elektrotechnika* — Vol. 33, No. 6, June 1952, pp. 170-172, 1 tab.)

The decrease in transformer losses can be determined uniformly from the point of view of the producers as well as distributors and of energy if the capitalized values of the losses are converted into identical current unit prices, identical rates of interest, identical life span and identical exploitation factor. The value of one watt of capitalized iron and copper losses for the producer, distributor and consumer of power can be determined by a table and a formula. On the other hand, reducing the losses costs money from the standpoint of manufacturing transformers. These reductions can be attained by (1) the utilization of surplus materials, (2) improving the quality of the active material, (3) improving the space factor of the iron plates, (4) better utilization of insulating materials, (5) improving methods of design, and (6) shop machining. With reference to the above points (1) one per cent reduction of losses involves an approximate 3 per cent increase in production costs, (2) reduction of the loss factor by 0.1 watt increases the value per kilogram of the iron plates by as much as if the no-load loss would decrease by 0.225 watt for each kilogram of active iron, (3) it can be proven that a one per cent improvement in the space factor of the iron reduces the no-load loss by one per cent at the expense of a one per cent additional use of iron. The results attainable by points (4), (5) and (6) cannot be determined as specifically and are not as essential. In order to bring the interests of consumers and producers into harmony it is advisable to introduce a bonus system based on the above which stipulates a premium for reductions and a penalty for increases in losses. K. Pausperth

9.205470

PAUSTOVSKAYA, V. V.

Paustovskaya, V. V.

"Basic problems of labor hygiene in the production of mineral wool." Kiev Order of Labor Red Banner Inst imeni Academician A. A. Bogomolets. Kiev, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

PAUSTOVSKAYA, V.V., kand. med. nauk; TSAPKO, V.G.; KRASNOSHCHEROV, N.A.

Effect of streptomycin on the organism. Vrach. delo no.2:
123-127 F'64 (MIRA 17:4)

1. Kafedra gigiyeny truda (zav. - chlen-korrespondent AMN SSSR
prof. G.Kh. Shakhbazyan) Kiyevskogo meditsinskogo instituta.

PAUSTOVSKAYA, V.V., kand.med.nauk; MAKOVSKAYA, Ye.I., kand.med.nauk;
SHAPOVALOVA, A.Kh., starshiy laborant

Effect of mineral wool dust on the body. Vrach.delo no.8:849-851
Ag '59. (MIRA 12:12)

1. Kafedra gigiyeny truda Kiyevskogo meditsinskogo instituta i Kiyev-
skiy institut gigiyeny truda i professional'nykh zabolevaniy.
(MINERAL WOOL--PHYSIOLOGICAL EFFECT)

TSAPKO, V. G.; PAUSTOVSKAYA, V. V.; KRASNOSHCHIEKOV, N. A. (Kiyev)

Sanitary hygienic characteristics of work conditions in streptomycin production. Gig. truda i prof. zab. no.1:52-53 '62.
(MIRA 15:2)

1. Kiyevskiy meditsinskiy institut.

(INDUSTRIAL HYGIENE) (STREPTOMYCIN--TOXICOLOGY)

TRAKHTENBERG, I.M., dotsent; GUSLITS, I.G., zasluzhennyy vrach RSFSR;
PAUSTOVSKAYA, V.V., kand.med.nauk; VELICHKOVSKIY, A.V., inzh.

Hygienic evaluation of mechanized casting in shell molds. *Oig. i san.*
24 no.10:52056 '59. (MIRA 13:1)

1. Iz Kiyevskoy gorodskoy sanitarno-epidemiologicheskoy stantsii i
kafedry gigiyeny truda Kiyevskogo meditsinskogo instituta.
(AIR POLLUTION prev. & control)

Paustovskaya, V. V.

B

Changes in lung of experimental animals after intra-tracheal introduction of mineral-wool dust. V. A. Kuznetsovskaya, V. V. Paustovskaya, and A. K. Shagvalova (Med. Inst. Kiev). *Gig. i Sanit.* 21, No. 8, 24-9 (1958). Mineral-wool dust with relatively low free SiO₂ and moderate contents of bound SiO₂ produces in rats after 2-3 months a moderate sclerosis of diffuse and nodular types; after 6 months a peribronchial sclerosis starts. This is caused by soly. of the dust particles in the lymph. G. M. K.

TRAKHTENBERG, I. M.; PAUSTOVSKAYA, V. V.; BRAVERMAN, R. S. (Kiyev)

Hygienic evaluation of work conditions in the production of
linoleum, polychlorvinyl and coumarone tiles. Gig. truda i prof.
zab. no.1:53-55 '62. (MIRA 15:2)

1. Kiyevskiy meditsinskiy institut, sanitarno-epidemiologicheskaya
stantsiya Pecherskogo rayona.

(INDUSTRIAL HYGIENE) (FLOOR COVERINGS)

GRIMAYLOVSKAYA, V.A., assistant; PAUSTOVSKAYA, V.V., assistant; SHAPOVALOVA,
A.Kh., starshiy laborant

Changes in the lungs of experimental animals following intratracheal
introduction of dust from mineral wool. Gig. i san. 21 no.8:24-29
Ag '56. (MLRA 9:11)

1. Iz kafedry gigiyay truda i kafedry patologicheskoy anatomii
Kiyevskogo meditsinskogo instituta.

(LUNG DISEASES, exper.

sclerosis in rats induced by intratracheal infusion of
mineral wool dust)

(SCLEROSIS, exper.

lungs, induced by intratracheal infusion of mineral wool
dust in rats)

SVYATKOV, Sergey Nikolayevich, dots., kand. tekhn. nauk; KORSHUNOV, A.N., dots., kand. tekhn. nauk, rotsenzent; PAUSTOVSKIY, G.A., otv. red.; BEZGODOVA, L.V., red.; URITSKAYA, A.D., tekhn. red.

[Intrafactory transportation; textbook for term and diploma projects (for students of the faculty of woodworking technology)] Vnutrizavodskii transport; uchebnoe posobie k kursovomu i diplomnomu proektirovaniu (dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny). Leningrad, Vses. zaochnyi lesotekhnich. in-t, 1963. 164 p.

(MIRA 17:1)

1. Starshiy prepodavatel' kafedry soprotivleniya materialov i detaley mashin Vsesoyuznogo zaochnogo lesotekhnicheskogo instituta (for Paustovskiy).

PAUSTOVSKIY, KONSTANTIN GEORGIEVICH, 1893-

PAUSTOVSKIY, KONSTANTIN GEORGIEVICH. Velikan na Kame; na stroike Bereznikovskogo kombinata. Moskva, Gos. Khim.-tehn. izd-vo, 1934. 50 p. DLC: TP130.B45P3

SO: LC, Soviet Geography, Part I, 1951, Uncl.

PAUSTOVSKIY, KONSTANTIN

The witness of time.

Sov.foto 17 no.1:9 Ja '57.
(Photography)

(MLRA 10:7)

1. PAUSTOVSKII, KONSTANTIN
2. USSR (600)
4. Volga River
7. Great Russian river. V zashch. mira no. 18:1952.

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

PAUSTOVSKIY, KONSTANTIN

The wind of speed. Vokrug sveta no.5:26-31 My '55. (MLRA 8:6)
(Baltic States--Description and travel)

PAUSTOVSKIY, KONSTANTIN GEORGIYEVICH

Rodnyye prostory (The expanses of our beloved country) Moskva, Geografiz, 1954.
551 p. illus.

SO: N/5
621.01
.P33

PAUSTOVSKIY, K.

USSR (600)

National Parks and Reserves

Forbidden lands and waters ("National parks of the U.S.S.R." Reviewed by K. Paustovskiy), Vokrug sveta, no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

PROSPECTS, KOSOVAN

THE COURSE OF... (by...)

Soviet sources: Socialistic... liye,
Jan. 1, ...

Current Digest of the Soviet Press
CIA Library, ... 33

PAUSTOVSKIY, Konstantin Georgiyevich

~~PAUSTOVSKIY, Konstantin Georgiyevich, 1893-~~
~~doktor geograficheskikh nauk, redaktor.~~

. redaktor; SAUSEKIN, Yu.G..

[The expanses of our beloved country] Rodnye prostory. [Red. i vstupit.
stat'ia I.U.G.Sanshkin] Moskva, Gos. izd-vo geogr. lit-ry, 1954. 551 p.
(Russia--Description) (MLRA 7:7)

PAUSZ, I.; HADI, J.

Determination of small quantity of saccharose by anthrone reagent. p. 259.

CUKOR PAR. (Mezőgazdasági és Élelmiszeripari Tudományos Egyesület.
Cukoripari Szakosztály) Budapest, Hungary, Vol. 11, No. 10, Oct. 1948.

Monthly list of East European Accessions (EEAJ) LC, Vol. 8, No. 7, July 1959.
Uncla.

HUNGARY / Soil Science. Soil Genesis and Geography. J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6044.

Author : Pausz, Laszlo.; Hadi, Jozsef.

Inst : Sarvar Sugar Plant Laboratory.

Title : Soil Studies and Surveys in the Region of the
Sarvar Sugar Plant.

Orig Pub: Cukoripar, 1957, 10, No 11-12, 191-194.

Abstract: No abstract.

Card 1/1

13

PAUTIN, N. V.

621.316.726

2335

An Electronic Frequency Regulator. — I. S. Brsk.
S. S. Garmov & N. V. Pautin. (Automatika i Tele-
mekhanika, March/April 1948, Vol. 9, No. 2, pp. 144-151
In Russian.) A description of a regulator employed to
control the frequency of a 400-c/s oscillator feeding a
circuit analyser. The regulator uses a tuning fork as a
frequency standard and its accuracy is within 0.1%. A
circuit diagram is given, with values of the components,
and the operation is discussed in detail. Experimental
curves are also included.

Translation W-23549

PAUTIN, N.V.

Automatic continuous frequency and power regulator. Vest. AN SSSR 25
no.10:39-47 0'55. (Automatic control) (MLRA 9:1)

PAUTIN, N.V., inzhener; YAKOVLEV, A.F., inzhener.

Automatic control of frequency and active power. Elektrichestvo no.3:
58-64 Mr '56. (MLRA 9:6)

1.Energeticheskiy institut AN SSSR (for Pautin).2.Dneprovskaya
Gidroelektricheskaya stantsiya imeni V.I.Lenina.
(Automatic control) (Hydroelectric power stations)

Pautin, N. V.

USSR/ Electricity - Conferences

Card 1/1 Pub. 124 - 26/39

Authors : Pautin, N. V.

Title : Automation of electric power generating systems

Periodical : Vest. AN SSSR 26/2, 121-122, Feb 1956

Abstract : Minutes are presented from a conference held at the Power Engineering Institute im. G. M. Krzhizhanovskiy of the Acad. of Sc., USSR where the main discussion pertained to the automation of electric power generating systems in the USSR.

Institution :

Submitted :

PAUTIN, N.V., inzhener; CHALYY, G.V., inzhener.

The KPCh-1 automatic tuning-fork frequency regulator.
Vest.elektroprov. no.3:13-26 Mr '66.

(MLRA 9:12)

1. Energeticheskiy Institut Akademii nauk SSSR (for Pautin)
2. Tsentral'noye konstruktorskoye byuro "Elektroprivod"
(for Chalyy).

(Electric controllers)

PAVLEN, L.V., kand. tekhn. nauk, stv. red.

(Diagnosis of computer faults ... and stika ...
nostei vy chisitel'nykh mashin. Moskva, Nauka, 1977
131 p. (1977)

1. Moscow, Institut elektronnykh i raschytnykh mashin

BOGORAD, Lev Yakovlevich; GUTKIN, Ben'yamin Girshevich; SHOBIK, L.Ye.,
inzh., ved. red.; SHREYDER, A.V., kand. tekhn.nauk, red.;
PAUTIN, N.V., inzh., red.; SOROKINA, T.M., tekhn. red.

[Wear resistant chromizing with periodic current reversal]Iz-
nosostoikoe khromirovanie pri periodicheskom izmenenii naprav-
leniia toka. Moskva, Filial Vses. in-ta nauchn. i tekhn. in-
formatsii, 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i
proizvodstvennyi opyt. Tema 13. No.M-58-245/25) (MIRA 16:3)
(Chromium plating)

TUTEVICH, Viktor Nikolayevich, kand.tekhn. nauk; MORDVINOVA, N.P.,
inzh., ved. red.; PAUTIN, N.V., inzh., red.; SOROKINA, T.M.,
tekhn. red.

[Contactless cyclic remote-control system] Beskontaktnaia tsik-
licheskaia sistema telemekhaniki. Moskva, Filial Vses. in-ta
nauchn. i tekhn. informatsii, 1957. 17 p. (Peredovoi nauchno-
tekhnicheskii i proizvodstvennyi opyt. Tema 42. No.P-57-53/9)
(MIRA 16:3)

(Remote control) (Pulse techniques(Electronics))

PAUTIN, N.V., inzh.; SIDOROV, A.A., inzh.

Investigation of the characteristics of electric power systems.
Elek.sta. 32 no.4:50-58 Ap '61.

(Interconnected electric utility systems)

(MIRA 14:7)

PAUTIN, N.V., inzh.; LYUBIMOV, A.G., inzh.

Automatic control of frequency and power at the TSimlyansk
Hydroelectric Power Station. Elek.sta. 31 no.6:50-60 Je '60.
(MIRA 13:7)

(TSimlyansk Hydroelectric Power Station)

PAUTKINA, T.I.,
S. I. VOLFKOVICH, Trans. Sci. Inst. Fertilizers No. 67, 8-134
(1929)

PAUTLER, S.

An objective appraisal of some types of out-patient anesthesia.
Rozhl.chir. 39 no.10:691-696 0'60.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, reditel
prof.dr. B.Spacek.
(ANESTHETICS)

PAUTLER, S.

Selection of anesthesia for translumbar aortography. Rozhl. chir.
40 no.4:237-240 Ap '61.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, reditel prof.
dr. B. Spacek.

(ANGIOGRAPHY anesth & analg)
(ANESTHESIA GENERAL)

MARKALOUS, Petr; PAUTLER, Stanislav

Anesthesia in arterial grafting in arteriosclerotic occlusions
and aneurysms. Rozhl. chir. 41 no.1:19-27 Ja '52.

1. Ustav klinické a experimentální chirurgie, Praha - Krc, reditel
prof. dr. B. Spacek.

(ARTERIOSCLEROSIS surg)

(ARTERIES transpl)

PAUTLER, S.; RACENBERG, E.

Clinical trials with Czechoslovakian KPT apparatus for artificial and controlled respiration. Rozhl. chir. 41 no.1:43-46 Ja '62.

1. Ustav kliniko a experimentalni chirurgie, Praha - Krc, reditel prof. dr. B.Spacek, DrSc.
(RESPIRATORS)

KESZLER, H.; PAUTLER, S.

The problem of general anesthesia in patients with full stomach. I.
Rozhl. chir. 41 no.11:724-731 N '62.

1. Ustav klinické a experimentální chirurgie v Praze, reditel prof.
dr. B. Spacek, DrSc.

(ANESTHESIA GENERAL)

(STOMACH)

MARKALOUS, P.; PAUTLER, S.

A simple device for vaporizing halothane. Rozhl. chir. 42
no.4:268-270 Ap '63.

1. Anesteziologicke oddeleni Ustavu klinicke a experimentalni
chirurgie v Praze, reditel prof. dr. B. Spacek, DrSc.
(HALOTHANE) (SURGICAL EQUIPMENT)

PAUTLER, S.

New concepts on the effectiveness of calcium mixtures. Rozhl.
chir. 43 no.6:364-367 Ja'64

1. Anesteziologicke oddeleni Ustavu klinicke a ~~ex~~perimentalni
chirurgie v Praze; reditel - prof. dr. B. Spacek, DrSc.

JUNA, S.; FAUTLER, S.

Checking patency of nasal passages in lung-to-lung
resuscitation. Rozhl. chir. 44 no.8:519-525 Ag '65.

1. Thomayerova nemocnice v Praze (ustavni anesteziolog
MUDr. S. Juna) a Ustav klinicke a experimentalni chirurgie
v Praze (reditel prof. dr. B. Spacek, DrSc.).

PAUTOV, A.V.; BELOV, P.Ye.; CHEBUREYEV, G.M.

Regenerating silica gels for drying apparatus of turbocompressors
without electric air heating. Prom.energ. 12 no.8:18 Ag '57.

(MIRA 10:10)

(Drying apparatus)

5

242101-65 EFF(c)/EAT(m)/EAP(j)/T Pc-4/Pr-4 RM

ACCESSION NR: AP5015271

UR/0286/65/000/009/0051/0051

AUTHORS: Arkin, Ye.-S. A.; Chernyy, V. Ya.; Vnukovskiy, Ye. T.; Sorokan, N. A.;
Kuvaldin, A. I.; Saryayeva, E. G.; Ryzakov, G. V.; Vasilovskiy, P. F.; Stolypin, A.
B.; Pautov, A. V.

TITLE: A turbomolecular high-vacuum pump. Class 27, No. 170609

31
30
15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 51

TOPIC TAGS: vacuum pump, turbomolecular vacuum pump

ABSTRACT: This Author Certificate presents a turbomolecular vacuum pump with a 2-stream rotor and an electric drive mounted in the fore-vacuum chamber (see Fig. 1 on the Enclosure). To increase its reliability, efficiency, and the power coefficient, the electric drive consists of two auxiliary high-frequency electric motors of equal power, mounted on the shaft brackets. These motors may be switched in to work together in accelerating the shaft up to its full rpm in a desired period of time, whereupon one of them is disconnected. To strengthen the insulation and to diminish the gas separation, the winding and the core of the electric motor stators are coated with an epoxy resin with a filler of low vapor tension. To diminish the vibrations and to increase the reliability of bearing supports, the latter are

Card 1/3

PAUTOV, F.N.

Echinococcosis in man from autopsy data in Omsk during the period
from 1941 to 1962. Med. paraz. i paraz. bol. 33 no. 3: 283-286 My-Je
'64. (MIRA 18:2)

1. Kafedra patologicheskoy anatomii Omskogo meditsinskogo instituta
imeni Kalirina.

PAUTOV, F.N.

Case of primary alveolar echinococcosis of the gallbladder. *Vestn. parazit. i parazitobol.* 33 no.4:423-425 J1-Ag '64.

(MIRA 18:3)

I. Kafedra patologicheskoy anatomii Omskogo meditsinskogo instituta.

PAUTOV, N.; ROYTER, G.

At the recommendation of a works council. Sov. profsoiuzy 7 no.17:
41-42 S '59. (MIRA 12:11)

1. Predsedatel' postoyanno deystvuyushchego proizvodstvennogo
soveshchaniya na Odesskom zavode imeni Yanvarского vosstaniya (for
Pautov). 2. Sekretar' postoyanno deystvuyushchego proizvodstvennogo
soveshchaniya na Odesskom zavode imeni Yanvarского vosstaniya (for
Royter).

(Odessa--Cranes, derricks, etc.)

PAUTOV, N.A.

(Deceased)

Medicine

See IIC

PAUTOV, V., inzh.

Installing the crankshaft of the 18D diesel in the bearings of
the machinery bedplate without scraping the bushings. Rech.
transp. 23 no.12:26-27 D '64. (MIRA 18:6)

1. Omskiy sudoremontnyy zavod.

1 8915-66 EWT(m)/ENP(t)/EWP(z)/EWP(b) IJP(c) JD/HM/JG
ACC NR: AP5027142 UR/0126/65/020/004/0566/0569 38

AUTHOR: Shirayev, V.I.; Pautov, V.D.

ORG: Central Research Institute for Ferrous Metallurgy im. I.P. Bardin
(Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii)

TITLE: Properties of iron purified by electron beam zone melting

SOURCE: Fizika metallov i metallovedeniye, v.20, no.4, 1965, 556-569

TOPIC TAGS: metal zone refining, electron beam melting, iron, vaporization, METAL ZONE MELTING, METAL PURIFICATION

ABSTRACT: The apparatus for electron beam zone melting had a power of 2.5 kilowatts, and the maximum voltage between the annular tungsten cathode, made of wire with a diameter of 0.8 mm, and the sample which served as the anode, was 8000 volts. The vapor pressure in the system was 10^{-5} to 10^{-6} mm Hg. The temperature was maintained at -400°C . The rate of displacement of the cathode could be regulated within the limits of 10-300 mm/hour. In the tests, the diameter of the rod-shaped samples varied from 1 to 10 mm. The overall length of the melted section of the rod was 150 mm. The width of the melting zone varied from 2 to 6 mm, depending on the metal and the diameter of the sample. The iron subjected to zone melting was relatively pure; chemical and gas

UDC: 539.292:539.3/8

Card 1/3

27 -s. art. has: 4 21

L 8915-66

ACC NO: AP5027142

SUB CODE: HA / SUBM DATE: 200ct64/

ORIG REF: 002 OTH REF: 002

PC
Card 3/3

L 42293-66 EWI(d)/EWI(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c) JD/WW/JG

ACC NR: AP6019828 (N) SOURCE CODE: UR/0370/66/000/001/0073/0079

AUTHOR: Korobochkin, Yu. M. (Moscow); Pautov, V. D. (Moscow);
Shiryayev, V. I. (Moscow)

43
41
B

ORG: none

TITLE: Some characteristics of electron beam zone refining of metals

SOURCE: AN SSSR. Izvestiya. Metally, no. 1, 1966, 73-79

TOPIC TAGS: electron beam, metal zone refining

ABSTRACT: The basic units of the electric part of the apparatus were: a Type FRS ferroresonance stabilizer, a high voltage transformer, a Type RNO-250-2 regulating autotransformer, and two Typr TRI-6/15 thyratrons fed by heating transformers. A high voltage was applied to the sample which formed the anode. The emission current could be uniformly regulated from 0 to 300 ma. As a result of the evolution of gases and the vaporization of impurities, the emission current varies within wide limits and makes the melting process difficult, sometimes even leading to an electrical discharge and to fracture of the sample. The article gives a diagram of the electric circuit. The mechanical part of the apparatus (illustrated) made possible movement of the

Card 1/2

UDC: 669.054

L 42293-66

ACC NR: AP6019828 2

annular irradiation unit at the required rate, as well as rotation of the sample. A Type D-104 motor (33 rpm) was used to displace the cathode. A reducer permitted varying the rate from 0.04 to 1.2 rpm, which corresponded to a change in the rate of movement of the cathode from 10 to 300 mm/hour. The annular electron irradiation unit was made of tungsten filament and surrounded the sample. The optimum diameter of the annulus was 25-30 mm. With the above described apparatus, zone melting experiments were carried out on a number of metals: iron, nickel, copper, molybdenum, tungsten, vanadium, niobium, and titanium, as well as on iron-nickel, iron-nickel-chromium, and other alloys. It was impossible to use this apparatus for melting metals such as chromium, manganese, and others, which have a high vapor pressure, because of discharges between the anode and the cathode. The results of the experiments are shown in curves and microphotographs. Orig. art. has: 8 figures.

SUB CODE: 13,11/SUBM DATE: 04Jan65/ ORIG REF: 004/ OTH REF: 005

Card 2/2 *bdh*

I 11118-66 EWI(d)/EWP(1) IJP(c) BB/GG SOURCE CODE: UR/0146/65/008/006/0058/0072 44
ACC NR: AP6002173 44 44 44 44 44 44 44 44

AUTHOR: Pautov, V. I.; Saval'yev, B. N.; Skuridin, V. P.

ORG: Dept. of Automation and Telemechanics, Ural Polytechnic Institute im. S. M. Kirov (Kafedra avtomatiki i telemekhaniki, Ural'skiy politekhnicheskiy institut)

TITLE: Contactless shaft-position to code converter with parallel readout

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 6, 1965, 68-72

TOPIC TAGS: analog digital converter, computer component

ABSTRACT: A position-to-code converter operating on the principle of intermediate phase shift is described. The code wheel is masked according to the Gray code, and angular displacements may be coded in degrees, radians or the graduations of any other angular scale. A block diagram of the converter is shown in the figure. The strobe pulse is applied to the left inputs of the AND gates, which are controlled by the code scanner at the right inputs. Coincidence produces a binary coded output. The frequency scaler together with the code scanner may be set to give an output in discrete units equal to $\Delta\phi = 360^\circ/2K$, where K is the ratio of clock pulse repetition frequency to the pulse repetition frequency of the highest order track of the code wheel. The same reduction factor may be obtained by eliminating section a (see Fig. 1) from the code wheel. Practical considerations limit the number of bits of the

UDC: 681.142.621

Card 1/8

L 11118-56

AQC NR: AP6002173

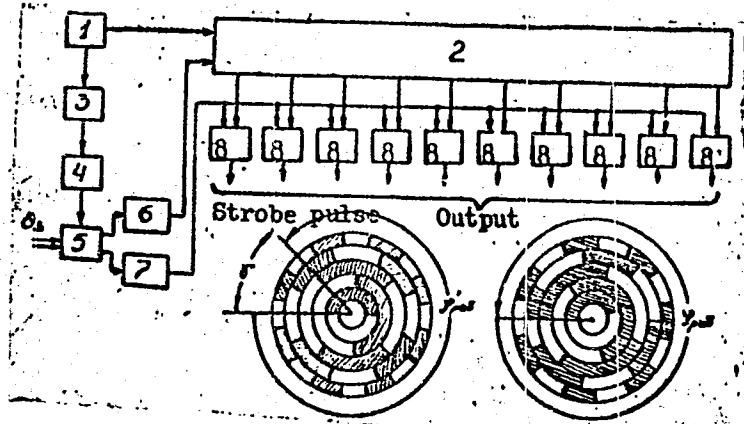


Fig. 1. Position-to-code-converter

1 - System clock; 2 - code scanner; 3 - frequency scaler; 4 - filter tuned to phase-shifter power frequency; 5 - induction-type phase shifter; 6, 7 - strobe pulse generators; 8 - AND gates.

converter output to 12--13; attainable linearity is ± 1 angular minute. Orig. art. has: 3 figures and two formulas. [BD]

Card 2/3

I. 11118-66

ACC NR: AP0002173

SUB CODE: 09/ SUBM DATE: 06Oct64/ ATD PRESS: 476

30
Card 3/3

POLOZOV, A.I.; PAUTOV, V.N.

Problem of the variability of R. burneti. Vop.virus. 6 no.2:210-
212 Mr-Ap '61. (MIRA 14:6)

(RICKETTSIA)

PAUTOV, V.N.; POLOZOV, A.I.

Prolonged preservation of R. burneti cultures. Vop.virus. 6 no.2:
213-217 Mr-Ap '61. (MIRA 14:6)

(RICKETTSIA)

PAUTOV, V.N.

Some data on the survival of *R. burnetii* on objects in the environment. Vop.virus. 6 no.2:217-219 Mr-Apr '61. (MIRA 14:6)
(RICKETTSIA)

PAUTOV, V.N.

Technique of detecting complement-fixing antibodies in laboratory animals with northern Asian tick-borne typhus, Marseilles fever, and epidemic typhus. Vop. virus. 7 no. 1:110-113 Ja-F '61.

(MIRA 14:4)

(RICKETTSIAL DISEASES) (TYPHUS)

ACCESSION NR: AP4043755

S/0016/64/000/008/0041/0045

AUTHOR: Vorob'yev, A. A.; Pautov, V. N.

TITLE: Experimental study of live-vaccine enteral immunization against Q-fever

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 8, 1964, 41-45

TOPIC TAGS: Q fever, immunization, live vaccine, Rickettsia burnetii

ABSTRACT: A study was made of the effectiveness of enterally administered M-strain Rickettsia burnetii as a live vaccine against Q-fever in guinea pigs. Various doses of M-strain Rickettsia burnetii in skim milk were introduced into the esophagus of guinea pigs through a special tube. It was established that a dose of 60 IU₅₀ sufficed to induce complement-fixing antibodies in 50% of the guinea pigs. On the other hand, up to 60 days after peroral administration of 1 ml of killed Rickettsia burnetii vaccine (250 x 10⁶ cells), no antibodies could be observed, and the guinea pigs were still sensitive to virulent

Cord. 1/2

ACC NR: AR6019867

(N)

SOURCE CODE: UR/0398/66/000/001/V026/V026

AUTHOR: Pautov, V. P.

TITLE: Restoration of parts by automatic electric arc welding build-up under a flux layer

SOURCE: Ref. zh. Vodnyy transport, Abs. 1V199

REF SOURCE: Proizv.-tekhn. sb. Tekhn. upr. M-va rechn. flota RSFSR, no. 3 (47), 1965, 33-34

TOPIC TAGS: arc welding, welding electrode, welding technology, marine engineering, ~~mechanical engineering laboratory, inland waterway transportation, ship, academic institution~~ ship component, REPAIR WELDING, AUTOMATIC WELDING

ABSTRACT: The Omsk Ship Repair Yard builds up propeller shaft journals under a layer of ceramic flux, mark KVT-4, as suggested by the LIVT [Leningrad Water Transportation Institute]. The flux composition and the build-up technology are described. The build-up was made with low carbon steel welding rod, mark SV-08A, 1.8 - 2 mm in diameter. The build-up procedure is cited. Ships operating with shafts built up in this manner have shown the desirability of using KVT-4 flux which ensures a wear resistance coefficient higher than 5. [Translation of abstract]

SUB CODE: 13,11,20

UDC: 621.791.92.002.5

Card 1/1

ACC NR: AR6019867

(N)

SOURCE CODE: UR/0398/66/000/001/V026/V026

AUTHOR: ~~APPROVED FOR RELEASE: 06/15/2000~~ CIA-RDP86-00513R001239510020-8"

TITLE: Restoration of parts by automatic electric arc welding build-up under a flux layer

SOURCE: Ref. zh. Vodnyy transport, Abs. 1V199

REF SOURCE: Proizv.-tekhn. sb. Tekhn. upr. M-va rechn. flota RSFSR, no. 3 (47), 1965, 33-34

TOPIC TAGS: arc welding, welding electrode, welding technology, marine engineering, ~~mechanical engineering laboratory, inland waterway transportation, ship, academic institution~~ ship component, REPAIR WELDING, AUTOMATIC WELDING

ABSTRACT: The Omsk Ship Repair Yard builds up propeller shaft journals under a layer of ceramic flux, mark KVT-4, as suggested by the LIVT [Leningrad Water Transportation Institute]. The flux composition and the build-up technology are described. The build-up was made with low carbon steel welding rod, mark SV-08A, 1.8 - 2 mm in diameter. The build-up procedure is cited. Ships operating with shafts built up in this manner have shown the desirability of using KVT-4 flux which ensures a wear resistance coefficient higher than 5. [Translation of abstract]

SUB CODE: 13,11,20

UDC: 621.791.92.002.5

Card 1/1

83024

S/181/60/002/008/043/045
B006/BC63

24,2600
24,7600
AUTHORS:

Bol'shov, V. G., Vasil'yeva, L. V., Pautova, G. N.

TITLE:

The Emission Properties of Silicon Treated in Cesium Vapors

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 8, pp. 1981 - 1983

TEXT: The effect of a treatment with cesium vapors on the electron emission of Ge films and single crystals is known from the papers of Refs. 1 and 2. The present paper deals with the emission of thermal electrons, photoelectrons, and secondaries from germanium films and single crystals. The films were produced by sputtering onto molybdenum- or uviol glass in vacuo. The measuring method and arrangement were the same as described in the paper of Ref. 1. The silicon was treated with cesium at $\pm 130 - 150^{\circ}\text{C}$. Fig. 1 shows the spectral characteristics in the incident light of some typical photocathodes with photosensitive layers of different transmissivities. With increasing thickness of the layer, the color changes from light cinnamon to gold. The sensitivity of the photocells slightly decreased during the first hours after their preparation, but later it remained constant. The curves given here refer

Card 1/3

88024

The Emission Properties of Silicon Treated in Cesium Vapors S/181/60/002/008/043/045
B006/B063

to the stabilized state. Data on the absolute and integral sensitivity and the quantum yield of the photocathodes investigated are listed in a table. Fig. 2 shows the temperature dependence of the true work function, φ_T , for single crystals of pure silicon and of silicon treated with cesium vapors. This treatment was carried out at different vapor pressures and with cathodes of different temperatures. When the vapor pressure was raised, the thermo-current increased with time and attained a constant value between 900° and 1000°C. After this current had become constant, the temperature of the cathode dropped. The coefficient of secondary electron emission, σ , was also measured for silicon layers before and after their treatment with cesium vapors. The experiments show that such a treatment increases σ four or five times. The electron emission properties of silicon treated with cesium vapors are analogous to the properties of germanium likewise treated with cesium. The authors thank Professor L. N. Dobretsov for his interest in this work, as well as A. A. Mostovskiy who made it possible to take the spectral characteristics of the photocells, and V. A. Kozlov for his assistance in the measurements. There are 2 figures, 1 table, and 2 references: 1 Soviet and

Card 2/3

TSIRUL'NIKOV, M.S., kand.med.nauk; TERSKAYA, L.V.; PAUTOVA, K.P.

Torsion of the pedicle of an ovarian cystoma 4 days after labor.
Sov. med. 25 no.5:133 My '61. (MIRA 14:6)

1. Iz ginekologicheskogo otdeleniya (zav. - kand.med.nauk M.S. TSirul'nikov) rodit'nogo doma No.9 (glavnyy vrach Ye.G.Sidorova, nauchnyy rukovoditel' - prof. I.I.Feygel'), Moskva.
(PUERPERIUM) (OVARIES—TUMORS)

KRAVCHENKO, A.T.; PAUTOVA, L.P.

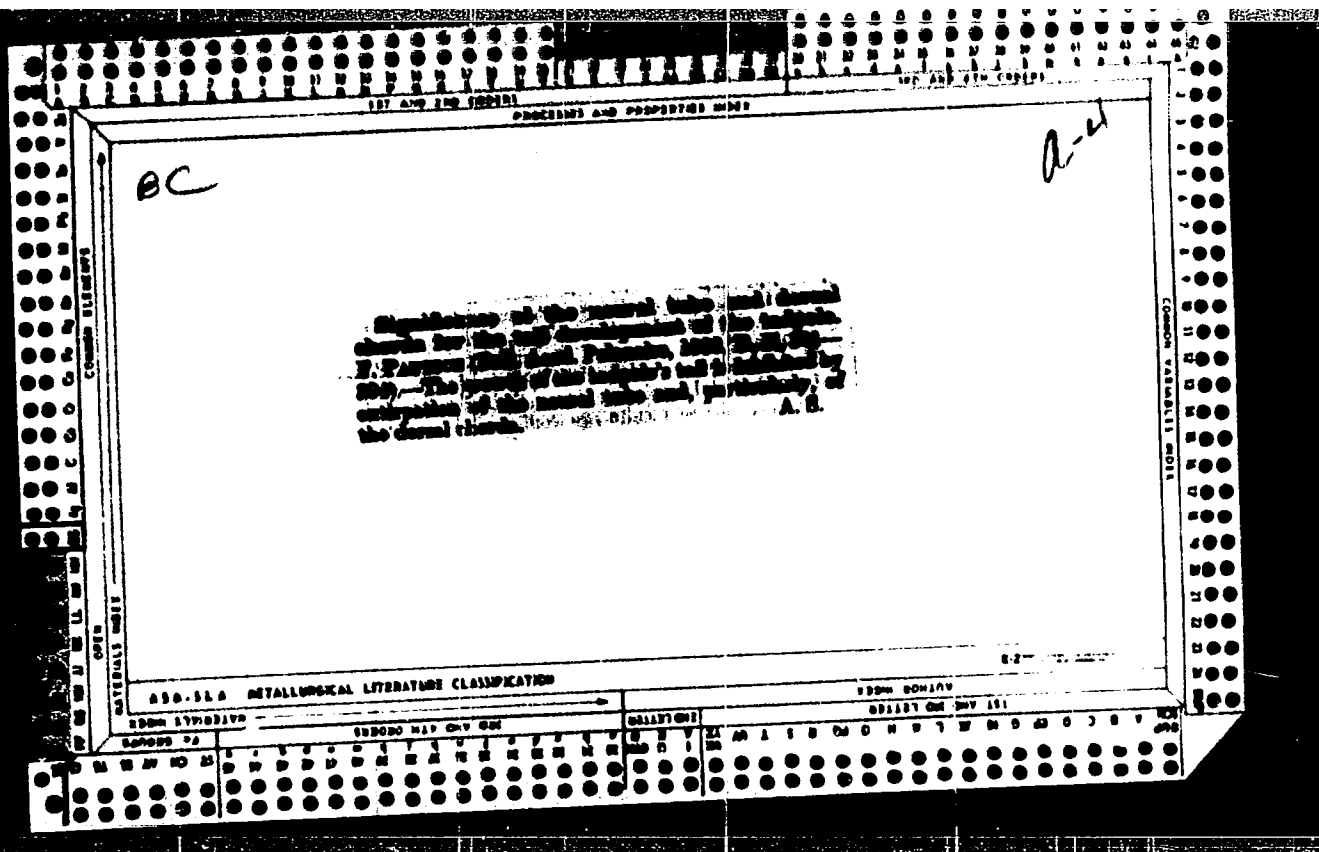
Experimental data on the treatment of psittacosis. Vop. virus. 5
no. 6:686-691 N-D '60. (MIRA 14:4)
(PSITTACOSIS) (ANTIBIOTICS)

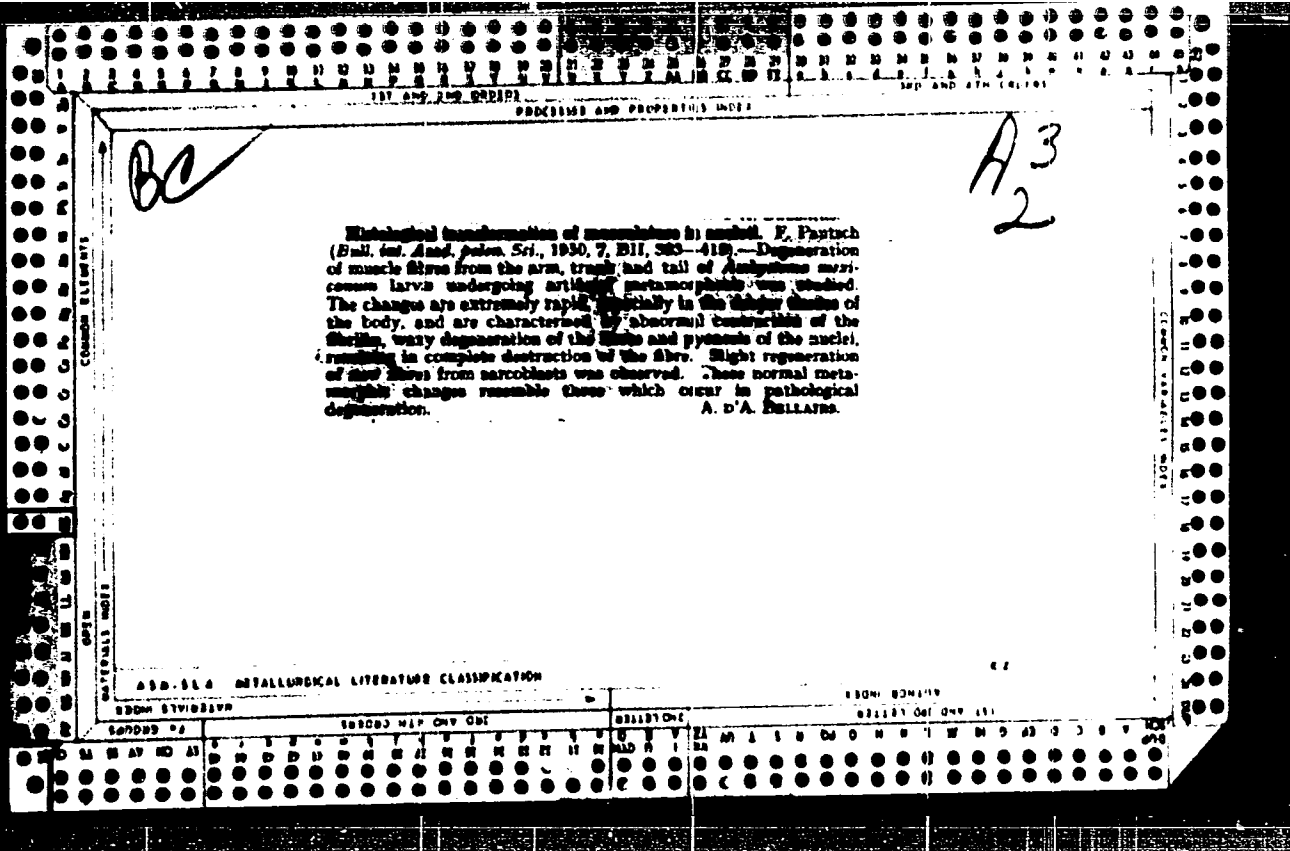
DEMENKOVA, P.Ya.; ZAKHARENKOVA, L.N.; KURBATSAYA, A.P.; PAUTOVA, M.M.

Some data on the distribution of vanadium, nickel, and porphyrins
in petroleum of the Tajik Depression in Central Asia.

Trudy VNIGRI no.174:68-76 '61. (MIRA 14:12)

(Tajikistan--Petroleum--Analysis)





FAUTSCH, F.

Salt obtained from sea water. Wazensuliat. no. 2:218-219. S. 163.

PAUTSCH, Fryderyk

The larval chromatophoral system of the crab, *carcinus maenas* (L.).
Acta biol. med. 5 no.6:105-109 '61.

1. Department of Biology, Medical Academy, Gdansk.
(CHROMATOPHORES)

PAUTSCH, M.

Methods of maceration of coenophytic and mesophytic substances for pollen analysis. p. 57

WIADOMOŚCI BOTANICZNE. (Polskie Towarzystwo Botaniczne) Krakow, Poland.
Vol. 1. no. 1/2, 1957.

Monthly List of East European Accessions (FEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

A 111, 12.

1961.

1961, no. 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, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

1961.

PAUTSCH, Fryderyk

Effect of light on white chromatophores of *Idothea viridis*
Slabber. Folia biol 1 no.2:98-111 '53. (KRAL 3:8)

1. Zakład Biologii i Parazytologii Akademii Medycznej w Gdansk
oroszokapozytura tegoż zakładu w Juracie (Hel).

(CRUSTACEA,

**Idothea viridis*, eff. of light on white chromatophores in)

(LIGHT, effects,

*on *Idothea viridis* white chromatophores)

(PIGMENTATION,

*chromatophores, white, in *Idothea viridis*, eff. of light)

cut

111

The influence of vertebrate hormones on the melanophores of some Baltic isopods. Preliminary note
Fryderyk Pautsch (Inst. Marine Trop. Med., Gdansk, Poland). *Bull. Inst. Marine and Trop. Med., Med. Acad., Gdansk, Poland* 1, 45(1958) (in English). In a solution of adrenaline (1:70000) melanophores of *Idotea*

repulata react by expansion, melanophores of *Mesidotea entomon* show a slight contraction. Vertebrate melanophore hormone produces no effect. W. Szybalski

PAUTYNSKIY, P., dots., kand.tekhn.nauk

Use polymers in the manufacture of machinery. NTO 2 no.6:17-18
Je '60. (MIRA 14:2)

1. Predsedatel' komiteta plasticheskikh mass Tsentral'nogo pravleniya
Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti.
(Plastics) (Machinery industry)

PAUTYNSKIY, P.S., kand.tekhn.nauk, dotsent

Results of the All-Union Competition for the best research and
production-engineering work on the manufacture of plastic parts.
Vest. mashinostr. 44 no. 4:85-86 Ap '64. (MIRA 17-1)

PAUTYNSKIY, P.S.

"Use of plastics in the machinery industry" by A.L.IUt.
Reviewed by P.S.Pautynskii. Mashinostroitel' no.3:47 Mr '63.
(MIRA 16*)

(Machinery industry) (Plastics)
(IUt, A.L.)

BARINOV, Nikolay Aleksandrovich, kand. tekhn. nauk, dots.; LANDA,
Aleksandr Fedorovich, doktor tekhn. nauk, prof.
[deceased]; PAUTYNSKIY, Petr. Stanislavovich, kand. tekhn.
nauk, dots.; GONCHAROVA, L.A., red.izd-va; VETRINSKAYA, I.D.,
red.izd-va; PIITSYNA, V.I., red.izd-va; ISLENT'YEVA, P.G.,
tekhn. red.

[Technology of metals] Tekhnologiya metallov. Moskva, Me-
tallurgizdat, 1963. 554 p. (MIRA 16:12)
(Metallurgy) (Metalwork)

PAUTYNSKIY, F.S., kand.tekhn.nauk

"Mechanization and automation of the processing of plastics" by
V.K.Zavgorodnii. Reviewed by P.S.Pautynskii. Mashinostroitel'
no.11:46 N '61. (MIRA 14:11)
(Plastics--Technological innovations) (Automation)
(Zavgorodnii, V.K.)

S/123/51/000/008/010/013
A004/A104

AUTHORS: Borisevich, Ye.S., Gal'vidis, N.M., Zhilevich, I.I., Fauzha, A.S.,
Rutkauskas, M.I.

TITLE: Utilization of electrographic methods in recording oscillographs and
optical recorders

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 8, 1961, 7, abstract
8D86 (V sb. "Elektrofotogr. i magnetografiya", Vil'nyus, 1959, 84-
92, Lithuanian summary)

TEXT: The Nauchno-issledovatel'skiy institut elektrografii (Scientific Re-
search Institute of Electrography) together with the Institut fiziki Zemli AN SSSR
(Institute of Physics of the Earth AS USSR) has developed the mockup of an elec-
trographic oscillograph consisting of the simplified OP-6 (OP-6) oscillograph
specially made for this purpose, which permits to record electric processes on an
electrographic tape with the aid of a light beam, and the electrographic attach-
ment to the oscillograph. The overall dimensions of the OP-6 device are 220x150x
x210 mm, the weight being 5.5 kg. The OP-6 device incorporates 3 combined commor.
magnetic systems of the $\Gamma\text{E-3}$ (GB-3) galvanometer with 3 x 2 mm mirrors in the il-
Card 1/2

PAUZHA, A.S.
P.2

SOV777-a-2-15/18

25(a) 25 (5)

Author: Lyalikov, E.S.

Title:

Successes of Soviet Electrophotography (Uspehi sovetskoy elektrofotografii). Scientific and Technical Conference on Questions of Electrophotography (Nauchno-issledovatskaya konferentsiya po voprosam elektrofotografii).

Periodical:

ABSTRACT:

Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1959, Vol. 4, Nr. 2, pp 149-152 (USSR)

This is an account of a scientific and technical conference on electrophotography, the first that was held in the Soviet Union and evidently in the world. It was organized in Vil'nyus on December 29-30, 1958 by the Soviet Narodnoye khozyaystvo litovskoy SSR (Council for National Economy of the Lithuanian SSR), the Gosudarstvennyy nauchno-tekhnicheskyy komitet Sovetskogo ministroy Litovskoy SSR (State Scientific and Technical Committee of the Council of Ministers of the Lithuanian SSR) and the Nauchno-issledovatskiy institut elektrofotografii (Scientific Research Institute of Electrophotography). The conference, attended by over 300 scientific workers, was opened by the Deputy Chairman of the Council for National Economy of the Lithuanian SSR P.I. Kul'vetskiy, after which the director of the Institute for Electrophotography, I.I. Zhil'veich, reviewed the state and prospects for development of electrophotography in the USSR. He stated that research in this field should be carried out along the following lines: a) search for new photo-active materials with high dark resistance; b) physical research into the latent layer; c) development of photosensitive electrophotographic process; E.S. Lyalikov (speaking also for O.S. Lopova) gave a report on the development of electrophotographic layers in SCOT units. H.Z. Kharasich, E.I. Kaluzhskaya and O.K. Lyalikova gave reports on some research on the sensitization of a semiconductor in electrophotographic layers. V.I. Prizkin gave a report on highly sensitive electrophotographic layers and an electrophotocopying device, and reviewed the formation process of the latent electrophotographic image on the basis of the zone theory. He also described the basic of an electrophotocopyer for determining sensitivity to the latent layer, a charge on the surface of a copying device. Analytical of an electrophotographic copying device then spoke on the finished describing the state and then spoke on the latent mechanics and kinetics of the development of the latent electrophotographic image in liquid developers.

Card 3/70

SOV/77-4-2-15/18

Successes of Soviet Electrography: A Scientific and Technical Conference on Questions of Electrography

V. V. Vinogradov described some of the features of the cathode and liquid methods of electrographic development. Yu. Ye. Karpasenko devoted his report to the criterion of light sensitivity of the electrographic process. After the reports, a discussion took place on methods of determining the light sensitivity of electrographic layers. A. M. Chernyshev spoke on the prospects of developing polygraphic processes using electric and magnetic forces. O. V. Gromov (speaking for I. I. Zhilovich, A. A. Sukhly, V. A. Gorkovaya, M. S. Kuznetsov and N. I. Kravtsov) reported on the development of electrographic reproducing equipment. A. B. Puzina (speaking also for I. I. Zhilovich, A. B. Borzov, M. M. Golovinski and I. I. Zhilovich) reported on the use of electrographic equipment in recording on micrographs and other recording instruments. V. P. Lyubchenko (speaking also for V. P. Ballin) spoke on the possibility of electrographically recording images from electron-beam tubes. I. S. Korol' (speaking also for M. Karkovich, T. I. Kozlovskaya, B. I. Kalinauskene, M. K. Mayneus, I. P. Khilavskaya and K. A. Montina) gave a detailed description of laboratory and machine methods of producing photoemulsions (zinc oxide was used). A. A. Sukhly (speaking also for I. I. Zhilovich, O. V. Gromov, V. A. Gorkovaya, M. V. Puzinov and T. V. Ger) described a laboratory and industrial machine for producing photoemulsions. Papers, V. A. Zhuravina (speaking also for I. A. Ushakov) reported on a method of examining electrographic materials using an A/C bridge. S. I. Khotimovich (speaking also for A. I. Ulyans and I. B. Zhuravina) spoke on developing methods of electrographic copying and reverse imaging. B. V. Khilavskaya described methods of a secondary electrographic method of electrographic copying, stressing that the oscillating electrode should not be placed above a layer with varying potential as this causes self-discharge. L. V. Kravtsov (speaking also for B. J. Gorkov, M. V. Puzinov and I. S. Khotimovich) spoke on the practice of producing wet-venter papers in an electrostatic field, and showed samples produced by the Gribshakova paper factory. Ye. L. Kholovskiy then gave a historical review of the development of electrographic methods in which he paid tribute to the work of the Scientific Research Institute of Electrography in Vilnius and the Institute for Applied Chemistry and Machine-Building (Lithuania) (Polymers Building Institute (Moscow)). Debates were then held

Card 6/10

FRONTIER

USSR / S. S. in Gen. Cultivation. Utilization.
Irrigation.

J-8

Abstr Jour: Inf Zhur- 191., 192., 193., 194.

Author : Burygin, V. A., Puzanov, L. Y.

Inst : Inst. of Soil Sci.

Title : Utilization of Irrigation Water for
Irrigation in the USSR. (Zem. i Voda, 1971, 1, 1-2).

Or Pub: Sots. N. Kh. Uzb. Institut, 1971, 1, 1-2.

Abstract: 4 Abstracts.

Card 1/1

CHEVRENIDI, S.Kh.; PAUZNER, L.Ye.; MART'YANOV, A.N.

Where science joins production. Rast. res. 1 no.1:128-129 '65.
(MIRA 18:6)

1. Otdel rastitel'nogo syr'ya Instituta botaniki AN UzSSR,
Tashkent.

PAUZNER, L.Ye.; SOKOLOV, I.I.; GRABENIK, V.Eh.

Expedition to Central Asia for the study on Polygonum carteri Fr.
Rast. res. 1 no. 1152-158-165. (MIRA 19:6)

1. Botanicheskiy institut im. V.I. Komarova AN SSSR, Leningrad,
1 Institut botaniki AN UzSSR, Tashkent.

GRIGOR'YEV, Yu.S.; PAUZNER, L.Ye.

Materials on the ecology of the species of *Aegilops* L.
Bot. zhur. 48 no.5:640-660 My '63. (MIRA 17:1)

1. Institut botaniki AN Uzvekskoy SSR, Tashkent.

PAUENR, L. YE.

PAUENR, L. YE. -- "The Technique of Improving the Pastures of the Foothill Flanes of South Kzylkum." Inst of Agriculture imeni V. P. Williams, Kazakh Affiliate of the All-Union Acad of Agricultural Sciences imeni V. I. Lenin, published by the Acad Sci Kazakh SSR, Tashkent, 1956. (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Knizhnaya Letopis' No 44, October 1956

PAUZNER, L.Ye.

Role of perennial wormwood in snow retention and improving
the water cycle of clay desert. Dokl.AN Uz.SSR no.8:50-52
'59. (MKRA 12:11)

1. Institut botaniki AN UzSSR. Predstavleno chlenom-korres-
pondentom AN UzSSR I.A.Raykovoy.
(Wormwood) (Soil moisture) (Snow)

CHEVRENIDI, S. Kh.; PAUZNER, L. Ye.; SOECLOV, P. D.

Joint expedition to natural places of Polyzonum verianum. Uzb.
biol. zhur. 9 no. 4: 69-70 '65. (MIRA 18:10)

1. Institut botaniki AN UzSSR.

PAV, J.

Fat - source of energy for the body. Cas. lek. cesk. 102 no.45:
1233-1238 8 N '63.

1. III. interni klinika fakulty vseobecneho lekarstvi KU v Praze,
prednosta akademik J. Charvat.

*

PAV, Jarmil, inz., CSc.

Design of Superfiner, the new pulp milling machine. Sbor
cel pap no. 7:189-210 '62.

PAV, Jaromir, MVDr.; KOTRBY, Alois, inz.; RAJISEK, Dalibor, MVDr.

Contribution to the helminthofauna in wild bears (*Sus scrofa*
L.) in reservations and free forests. Les cas 9 no.3:251-254
Br '63.

1. Vyzkumny ustav lesniho hospodarstvi a myslivosti, Zbraslav;
Statni veterinarni ustav, Praha.

DUBOVSKA, E.; DUBOVSKY, J.; PAV, J.

High excretion of alpha-ketoglutaric acid in diabetics -- a renal tubular syndrome. Cas. lek. cesk. 104.no.16:440-443
23 Ap '65.

1. III. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta; akademik J. Charvat); laborator pro endokrinologii a metabolismus fakulty vseobecneho lekarstvi Karlovy University v Praze (reditel; akademik J. Charvat).

PAV, J.

3

CZECHOSLOVAKIA

PAV, J.; JEZEK, Z.; SZKLA, P.; HORSEK, E.

1. Third Internal Medicine Clinic of the Faculty of General Medicine of KU (III vnitřní klinika fak. všeob. lek.), Prague; 2. Institute of Hematology and Blood Transfusion (Ústav hematologie a krevní transfuze), Brno; 3. Faculty Polyclinic (Fakultní poliklinika), Brno

Prague
Brno, Vnitřní lékařství, No 7, 1963, pp 651-654

"Insulin Antibodies."

NEDOMA, W.; PAV, J.; VOGL, J.

Influence of the grate shape on cinder removal from a pressure-
generator model. Paliva 43 no.5:129-133 My '63.

1. Ustav pro vyzkum paliv, Bechovice.

WENKEOVA, J.; MOSINGER, B.; PAV, J.

The effect of the main nutrients and insulin on lipoprotein lipase activity in adipose tissue. *Physiol. Bohemoslov.* 11 no.2:107-112 '62.

1. Institute of Human Nutrition, Department of Physiology, Prague.

(ADIPOSE TISSUE metab) (LIPOPROTEIN LIPASE metab)
(INSULIN pharmacology) (DIET experimental)