

Spectroscopic determination of ...

S/109/61/006/009/018/018
D201/D502

shunt with the tube, was fixed cutting off the current. The tube was placed in a solenoid producing a homogeneous magnetic field up to 1300 oersted. The plasma radiation was focussed onto the input slot of a monochromatic illuminator. Its output, after photomultiplication was applied to a CRO, the time base of which was triggered in synchronism with the start of the de-ionization process. In order that the plasma decay start at an equal concentration of charged particles, the initial radiation intensity at $H = 0$ and $H \neq 0$ was equalized by adjustments of the discharge current. The changes are shown of the intensity of re-combination radiation I during the process of de-ionization of cesium vapor, as well as the ratios of the number of particles $N_R(H)/N_R(0)$, disappearing as a result of radiation recombination at $H = 1300$ oersted and $H = 0$. It shows that at low pressures the magnetic field markedly increases the quantity of charged particles recombining due to radiation in a given volume of gas. It is stated in conclusion that direct spectroscopic observations have shown the magnetic field increases the mean life time of charged particles and by slowing down the

Card 2/3

X

Spectroscopic determination of ...

25535
S/109/61/006/009/018/018
E201/D302

rate of diffusion decay of plasma, increases the recombination losses of changes in the gas volume. There are 2 figures, 2 tables, and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: W. Bostik M. Levine, Phys. Rev. 1959, 97, 13; P. Moehler, C. Boeckner, J. Res. Nat. Bur. Standards. 1929, 2, 489.

ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova (Moscow State University im. M. V. Lomonosov, Faculty of Physics)

SUBMITTED: April 18, 1961

Card 3/3

ut

27165

S/056/61/041/002/006/028
B102/B205

26.2340

AUTHORS: Alaskovskiy, Yu. M.. Granovskiy, V. I.

TITLE: Recombination radiation of cesium plasma in a homogeneous magnetic field

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41, no. 2 (8), 1961, 363 - 367

TEXT: From a theoretical point of view, the presence of the positive column of a gas discharge in a longitudinal magnetic field ($H \parallel E_z$) probably has the following effects: decrease of the diffusion of carriers toward the wall, increase of the lifetime and concentration, n_e , of carriers, drop of the electron temperature T_e , and increase of the volume recombination probability and of the intensity, I , of recombination radiation. Some of these assumptions were confirmed by probe measurements in helium. Studies of L. Davies on the behavior of cesium plasma with respect to recombination in a longitudinal field, however, showed that I and n_e did hardly change when

Card 1/5

Recombination radiation of ...

S/056/6-04-002/006/028
B-02/B205

the field was applied, whereas T_e increased. In order to clarify this phenomenon, the authors have now studied the recombination incandescence in cesium-vapor plasma with the use of a spectrophotometer. Probe measurements were made simultaneously. The cylindrical probe was placed on the axis of the discharge tube (2.5 cm in diameter and 40 cm in length), in which a Cs pressure of $2 \cdot 10^{-3}$ - 0.13 mm Hg prevailed. Photometric measurements were done at certain points of the recombination continuum within the range 4940 - 4400 Å. In the absence of a field, I was approximately proportional to n_e^2 . Application of the magnetic field resulted in a sharp rise of I , especially at low pressures (cf. Table). With a rise in I there occurred a contraction of the column, which was intensified with decreasing Cs pressure. The diagrams $\ln[I(\nu)] = f(\nu)$ (straight lines) indicate that Maxwellian electron distribution prevailed in the plasma. The electron temperatures T_e obtained therefrom are also given in the Table, and are compared with values obtained by probe measurements at $H = 0$. With growing

Card 2/5

27185

8/056/61/041/002/006/028
B102/B205

Recombination radiation of...

H_2 and with a constant current n_e was found to increase the more, the lower the gas pressure. The electron temperature dropped more sharply, the lower the pressure. At higher pressure (0.13 mm Hg) and in the presence of fields of up to 1300 oe, the latter practically had no effect any longer. The results obtained here are fully consistent with those following from the theory of diffusion. The rise in I caused by the application of a field is attributed 1) to the contraction of the column and to the increase in electron concentration, and 2) to the drop of T_e . The effect of the drop of T_e accounts for about 10%. The effect of different current densities may be seen from the following data:

$\rho = 1.2 \cdot 10^{-5}$ mm pr. cr., $H = 1300$ Oe):

$J, A/cm^2$:	0,2	0,3	0,4	0,5	0,6	0,7	0,8	1,0
$I(H)/I(0)$:	20	18,5	14,2	11,5	8,8	5,7	3,8	2,9
$n_e(H)/n_e(0)$:	4,4	4,0	3,6	3,2	2,8	2,25	1,74	1,64

These data explain the result obtained by Davies, who applied low current

Card 3/5

17-85

Recombination radiation of...

S/056/61/041/002/006/028
B102/B205

densities. There are 3 figures, 1 table, and 11 references: 4 Soviet and 7 non-Soviet. The most important reference to English-language publications reads as follows: L. Davies. Proc. Phys. Soc. B66, 33, 1953.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University) X

SUBMITTED: March 20, 1961

Legend to the table: (1) Pressure in 10^{-3} mm Hg; (2) T_e according to the spectrum; (3) T_e according to the probe current at $H=0$. The data were obtained at $j = 0.5$ a/cm².

Card 4/5

ALESKOVSKIY, Yu.M.; GRANOVSKIY, V.L.

Volume recombination in a helium plasma in a magnetic field.
Zhur. eksp. i teor. fiz. 43 no.4:1253-1261 O '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy universitet.
(Plasma (Ionized gases))
(Magnetic fields)

AD 44-595-2 115 Rec

ION-NEUTRAL RECOMBINATION IN CESIUM PLASMA (USSR)

Al'skovich, Yu. M. Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 1, Mar 1967, 240-247. S/036/63/044/003/010/053

Certain discrepancies in the data available concerning the recombination rate and its mechanism in a slightly ionized ($\sim 10\%$) cesium plasma have been resolved by probe and spectrometer evaluation of the recombination coefficient and electron temperature of the plasma. The recombination coefficient was observed to be independent of pressure in the 0.005 to 0.01 mm Hg range. The results indicate that recombination occurs in the three-particle collision of two electrons and an ion. Indirect transitions due to collisions of a second type play an important role in the recombination mechanism. The recombination coefficient computed for a plasma density of 10^{14} to 10^{15} cm $^{-3}$ and a temperature of 0.1 to 0.3 eV was found to agree satisfactorily with the experimental results. [FVP]

Card 1/1

JEKLER, J.; ALESSOVA, H.; HUSLAROVA, A.

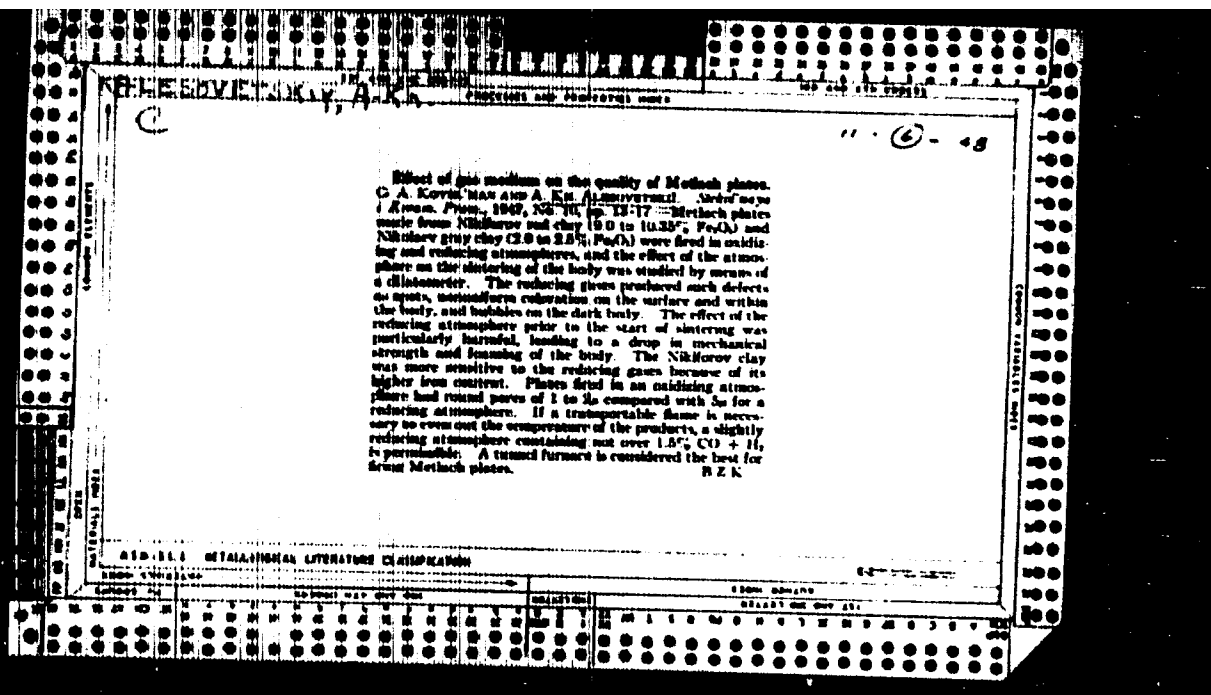
Congenital cystic dilatation of the common bile duct. Rozhl.
chir. 42 no.6:383-387 Je 1973.

1. II chirurgická klinika Fakulty všeobecného lékařství KU
v Praze, přednosta prof. dr. J. Lhotka. Interní oddělení
fakultní polikliniky v Praze 2, vedoucí prof. dr. K. Herfort.
(COMMON BILE DUCT) (SURGERY, OPERATIVE)
(ABNORMALITIES) (CYSTS)

ALESOVETSKIY, A. Kh

Elimination of moisture from Metlach plates during firing. G. A. Kovel'man and A. Kh. Alesovetskii. Stkol. i Keram. Prom. 4, No. 8, 6-9(1947).--To eliminate cracking of Metlach plates during the early stage of firing, the plates should be dried to a moisture content of not over 1.5-2% before firing. If the dried plates are to be kept in storage for some time, the rate of heating during the sepn. of the mech. water should be slowed down because of the high hygroscopicity of the plates. Differential curves of heating, moisture absorption, and dehydration curves, and curves of linear changes of plates during firing are given.

B. Z. Kamich



FILINTSEV, G.P.; TARAYEVA, T.I.; ALISOVITSKIY, A.Ye.; MIKHAYEV, I.M.

Spray drying of ceramic suspensions. Stek.i ker. 17 no.7:
18-21 J1 '60. (MIRA 13:7)
(Ceramics--Drying)

ALESSANDRESCU, Dan; DUMITRESCU, P.; GHEORGHIU, D.; DUMITRESCU, Anca

Potentialisation of spinal anaesthesia through neuroplegic drugs.
Rumanian M. Rev. 1 no.4:81-84 Oct-Dec 57.

(ANESTHESIA, SPINAL

potentiation by neuroplegic drugs)

(AUTONOMIC DRUGS, eff.

neuroplegic drugs, potentiation of spinal anesth.)

*ROMANIA / Pharmacology, Toxicology. Tranquilizers. V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85076.

Author : ~~Alessandrescu, D., Gheorghiu, D., Dumitrescu, P.,~~
Ciura, Eug., Dumitrescu, Anca.

Inst : Not given.

Title : The Droplet Infusion of Neuroplegic Substances in
the Conduct of Labor.

Orig Pub: Obstetr. si ginecol., 1958, Vol 6, No 1, 23-32.

Abstract: During labor in 50 women an infusion was given by
the droplet method, which comprised 25 mg largactil,
50 mg phenergan, and five mg mecodine, dissolved in
250 ml physiologic saline solution or in five per-
cent glucose solution. This method was used in
event of heightened tonus of the uterus or of ex-
cessively strong contractions, in the presence of
psychomotor disturbances, in prolonged labor, and

Card 1/2

ALESSANDRESCU, Dan; POPESCU, Cornel; DUMITRESCU, Anca

Considerations on acute renal insufficiency post abortus.
Rumanian M. Rev. 3 no.4:80-82 O-D '59.

1. Polizu Maternity Hospital, Director: Dr. D. Alessandrescu.
(ABORTION, complications)
(ACUTE RENAL FAILURE, case reports)

POPOVICI, Marcella; NESTORESICO, N.; ALEXENCIO, Ecaterina; SOARE, Luiza;
GHIONI, Elena; ALESSANDRESCO, D.; TEODORU, G.

Influence of the cyclic use of antibiotics on the characteristics of
staphylococci in a maternity hospital. Arch. Roum. path. exp. microbiol.
20 no.3:393-398 S '61.

1. Institut Dr. I. Cantacuzino Service des Enterobacteriacees (for
Popovici, Nestoresco, Alexenco, Soare, Ghioni. 2. Maternite Polizu
(for Alessandresco, Teoderu).
(STAPHYLOCOCCUS pharmacology) (ANTIBIOTICS pharmacology)

ALESSANDRESCU, Dan[Alexandrescu, Dan]; LIKA, Vasile[Luca, Vaile]; PASKU, Filon[Pascu, Filon]; ILIYESKU, Liviu [Iliescu, Liviu], inzh.; LOZANU, K.[Lozanu, C.], otv. red.

[Atlas of colposcopy] Atlas kol'poskopii. Bucharest, Med. ind-vo, 1963. 220 p. (MIRA 17:4)

4.0300
2.3278

P/031/62/007/003/011/013
D201/D308

AUTHORS: Mleszkiewicz, Sławomir and Lichodziejewski, Cezary

TITLE: The reproduction of the measured process from the radiotelemetering signal in an equal time channel multiplexing PPM-AM system

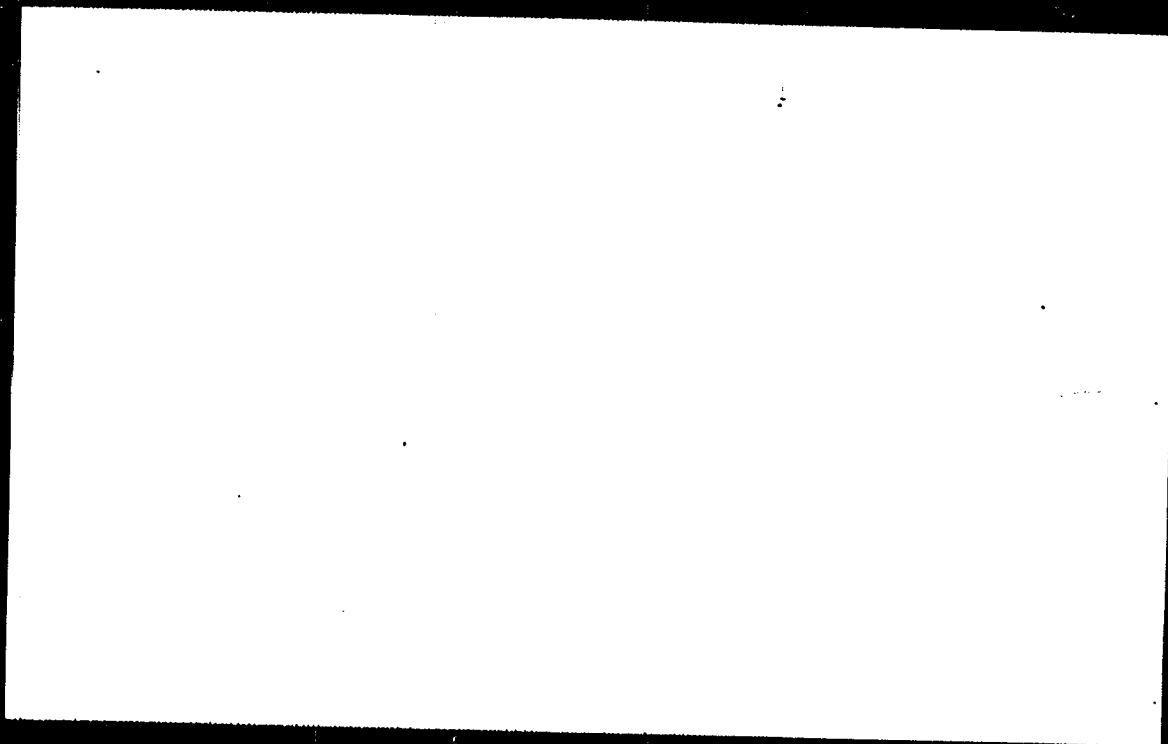
PERIODICAL: Archiwum Automatyki i Telemekhaniki, v. 7, no. 3-4, 689-693

TEXT: This is a general analysis of the operation and accuracy of the receiving part of an equal time channel multiplexing PPM-AM system, consisting of an antenna, receiver, pulse-width discriminator, synchronising pulse discriminator, switching pulse generator, multiplexing arrangement, recorder and output stages. A general analysis of errors introduced into the system shows that the overall error of the arrangement is of the order of 2% which may be reduced to 1% by calibration prior to automatic calibration during the measurements. There are 4 figures. ✓_B

ASSOCIATION: Instytut Lotnictwa (Aviation Institute)
Card 1/1

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000101020008-9



APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000101020008-9"

ALSTIN, A. pilot pervogo klassa (Irkutsk)

The Irkutskians take over. Grahd. av. 18 no. 10:15 0 '61.

(Siberia--Jet transports)

(MIRA 15:5)

ALSTIN, V.I., glavnyy inzhener.

Defects in the technological layout of the Kamenogorsk paper mill. Bum.prom.
22 no.9:27-29 S '53. (MLRA 6:8)

1. Kamenogorskaya bumashnaya fabrika.

(Paper industry)

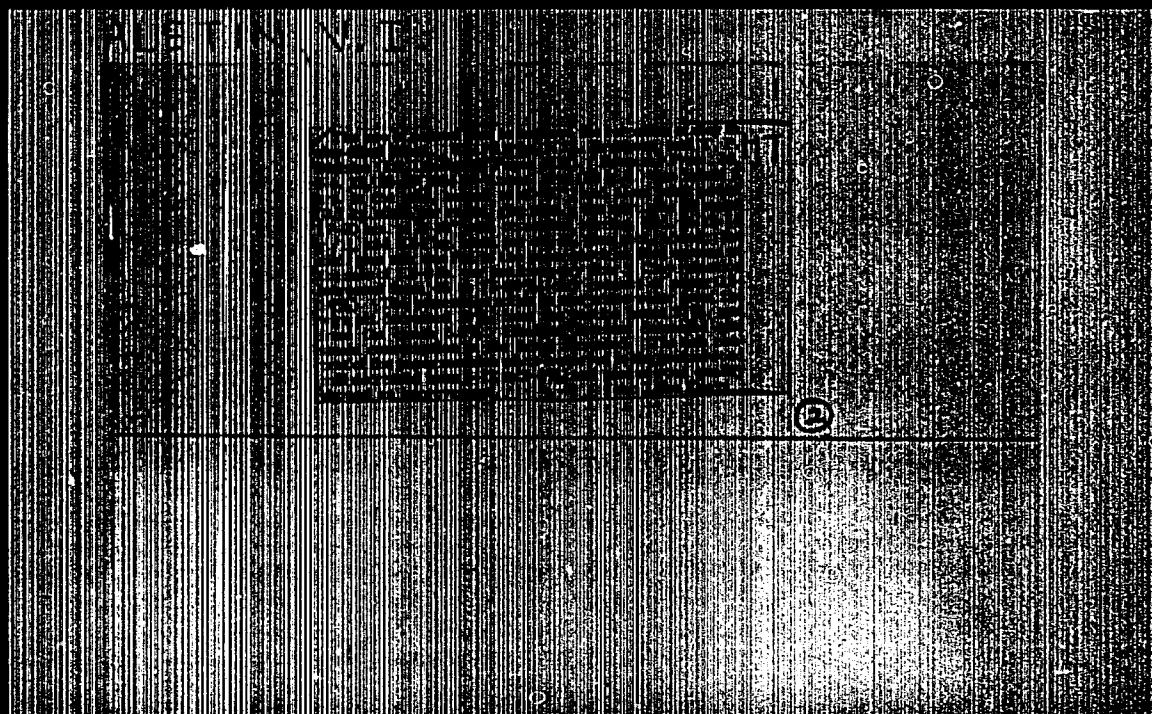
ALSTIN, V.I., Inzhener.

Effect of the rubber apron on the paper quality. Bus.prom. 29 no.4:

23 Apr '54.

(MLRA 7:6)

(Papermaking machinery)



ALBIN, V.I.; DROZDOVA, A.I.; PARKHOMENKO, N.N.

Preparing the stock for refiners with all-metal fittings. Bun.
progn. 36 no.9:33-34 S '61. (MIRA 15:1)

1. Chekhovskiy tsellyulozno-bumazhnyy kombinat (Sakhalinskiy
sovnarkhoz).

(Papermaking machinery)

USSR/Human and Animal Physiology - Blood Circulation.
General Problems.

T-4

Abs Jour : Med Zhur - Biol., No 13, 1953, 34127

Author : Alutina, M.B.

Inst : Leningrad Institute of Postgraduate Study for Veterinary
Doctors.

Title : Determining Blood Circulation Speed in Horses with the Aid
of Cytitene.

Orig Pub : Sb. nauchn. tr. Leningr. in-o usoversh. vet. vrachey,
1957, vyp. 11, 214-216.

Abstract : H. abstract.

Card 1/1

ALEUTSKAYA, O. N.

26632 Sostoyanie kapillyarov kozhi pri revmokarditakh. Trudy fak. terapevt. Kliniki
(Ivan, Gos. Med. In-T), vyp 3, 1949, s. 60-63.

SO: LETOPIS' NO. 35, 1949

ALBUKATSKAYA, O.N. (Ivanova)

Capillary circulation following myocardial infarct. Klin. med. 32
no. 7:69-71 J1 '54. (MLBA 7:8)

1. Is Ivanovskogo filiala TsINTIM (dir.-zasluzhennyy vrach RSFSR
kandidat meditsinskikh nauk V.A. Il'inskaya)

(MYOCARDIAL INFARCT

*sequels, capillary blood circ.)

(CAPILLARIES,

*circ. after myocardial infarct)

ALBUPTSKAYA, O.E.(Ivanovo)

Arrangement of working conditions for invalids with heart defects
in the cotton textile industry. Klin. med. 34 no.1:58-60 Ja '56

(MIRA 9:5)

1. Is Ivanovskogo filiala TsSTIN (dir.-zasluzhennyy vrach RSFSR
kandidat meditsinskikh nauk V.A. Il'inskaya)

(INDUSTRIAL HYGIENE

working arrangements for workers with heart dis. in
cotton & textile indust.)

(HEART DISEASES

in cotton & textile workers, working arrangements)

ALBUTSKAYA, O.N.

ALBUTSKAYA, O.N. (Ivanovo)

Employment of persons with nontuberculous pulmonary diseases in the textile industry. Klin.med. 35 no.11:54-56 N '57. (MIRA 11:2)

1. In gosptal'noy terapevticheskoy kliniki (zav. - doktor meditsinskikh nauk prof. Ye.S.Mysayedov) Ivanovskogo meditsinskogo instituta (dir. - dotsent Ya.M.Romanov) i Ivanovskogo filiala Tsentral'nogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii invalidov truda (dir. - zasluzhennyy vrach RSFSR kandidat meditsinskikh nauk V.A.Il'inskaya)

(LUNG DISEASES

work capacity in non-tuberc. dis. in textile indust.)

(INDUSTRIES AND OCCUPATION

work capacity in non-tuberc. lung dis. in textile indust.)

ALBUTSKAYA, G.H.

Activity of insulin following various modes of administration
[with summary in English]. Farm. 1 toka. 21 no.5:59-63 8-0 '58
(MIRA 11:11)

1. Kafedra gosital'noy terapii (sav. prof. Ye.S. Myasoyedov,
nauchnyy rukovoditel' raboty - dots G.M. Shpuga) Ivanovskogo gosu-
darstvennogo meditsinskogo instituta.

(INSULIN, admin,

eff. in various modes of admin (Rus))

USSR/Human and Animal Physiology (Normal and Pathological).
Skin.

T-14

Abs Jour : Ref Zhur - Biol., No 11, 1958, 51405

Author : Aleutskiy, N.A.

Inst : Ivanovo Institute of Medicine.

Title : The Condition of Vascular and Perspiration Reflexes in
Infectious Skin Diseases and During Their Treatment.

Orig Pub : Sb. nauchn. tr. Ivanovsk. med. in-ta, 1957, No 11, 75-78.

Abstract : No abstract.

Card 1/1

- 142 -

ALHUTSKIY, N.A.

Air conditioning and its effect on some physiological functions
of the skin of spinning factory workers. Izv.vys.ucheb.zav.;
tekhn.tekst.prom. no.5:124-129 '61. (MIRA 14:11)

1. Ivanovskiy meditsinskiy institut.
(Textile workers--Diseases and hygiene)
(Factories--Air conditioning)

ALEUTSKIY, N.A.

Effect of air conditioning on the degree of fatigue of workers
in spinning workshops. Izv.vys.ucheb.zav.; tekhn.tekst.prom.
no.6:128-129 '62. (MIRA 16:2)

1. Ivanovskiy meditsinskiy institut.
(Textile factories—Air conditioning) (Fatigue)

ALBUFSKIY, N.N.

Effect of blomycin on Sechenov's inhibition. Farm. i toks. 22 no.4:
314-317 Ji-Ag '59. (MIRA 13:1)

1. Kafedra farmakologii (sav. - prof. A.D. Shteynberg) Karagandin-
skogo meditsinskogo instituta.

(CENTRAL NERVOUS SYSTEM pharmacol.)

(CHLORSTYRACTOLINE pharmacol.)

ALBUTSKIY, N.N.

Influence of biomyoin on the motorfunction of the gastrointestinal tract. Zdrav. Kazakh. 21 no. 3:54-59 '61. (MIRA 14:4)

1. Iz kafedry farmakologii (zav. - prof. A.D. Steynberg)
Karagandinskogo meditsinskogo instituta.
(AUREOMYCIN) (DIGESTIVE ORGANS)

ALIV, M.G.

SIREDN, M.K.; ALIV, M.G.; SIBUL, S.F.

Results of using various combinations of sleep therapy in
otolaryngology with functional disorders. Vest. oto-rin. 16
no.3:22-27 My-Je '54. (MLRA 7:7)

1. Is kufedry bolesni ukha, gorla i nosa (sav. dotsent M.K.
Sirdo) Tartuskogo universiteta na baze Respublikanskoy Tar-
tuskoy klinicheskoy bol'nitsy.

(SLEEP, therapeutic use,
*otorhinolaryngol. dis.)

(OTORHINOLARYNGOLOGY,
*otorhinolaryngol. dis., ther., sleep)

IVANOV, B.; MARTALOGU, N.; PLOSTINARU, D.; ALEVRA, A.; DUMITRESCU R.

Cascade transition from excitation to primary state of Sn^{115}
obtained in the reaction $\text{In}^{115}(\text{p}, \text{n})$. Studii cerc fiz 13 no.4:
675-686 '62.

1. Institutul de fizica atomica, Bucuresti.

ALEXA ELIZA
RUMANIA, Farm Animals. Small Horned Stock

Q-3

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12113

Author : Jitarlu Petre, Zamfirescu Nicolae, Alexa Eliza,
Jitarlu Matilda, Popescu C., Boisteanu S.

Inst :

Title : The Effect of Iodized Vegetative Feeds on the Milk
and Ovulation in She-Goats (O vliyanii yodirovan-
nykh rastitel'nykh kormov na molochnost' i ovuly-
atsiyu koz)

Orig Pub: An. stiint. Univ. Iasi, 1955, Sec. 2, 1, No 1-2, 7-
18

Abstract: Grains of iodized corn and alfalfa grown on lots
fertilized by iodine salts were fed 50 g. per she-
goat together with crushed hay for 27 days. Iodized
feeds exerted an influence on fat and protein metab-
olism in she-goats and produced an increase of the

Card 1/2

ALINA, E.; JITTARIU, P.

Contribution to the physiological study of the single ventricle in the frog's heart. In French. p. 1.

ANALELE STIINTIFICE. SECTIUNEA II: STIINTE NATURALE. Iasi. Rumania.
Vol. 5, no. 1, 1959.

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

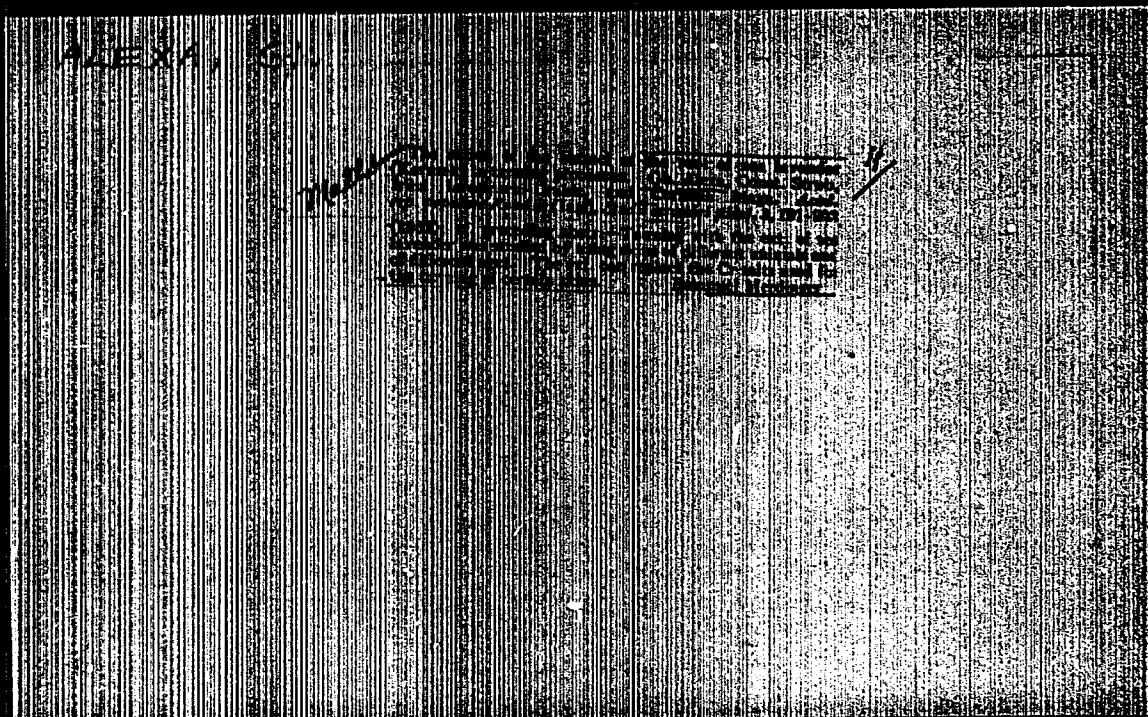
Encl.

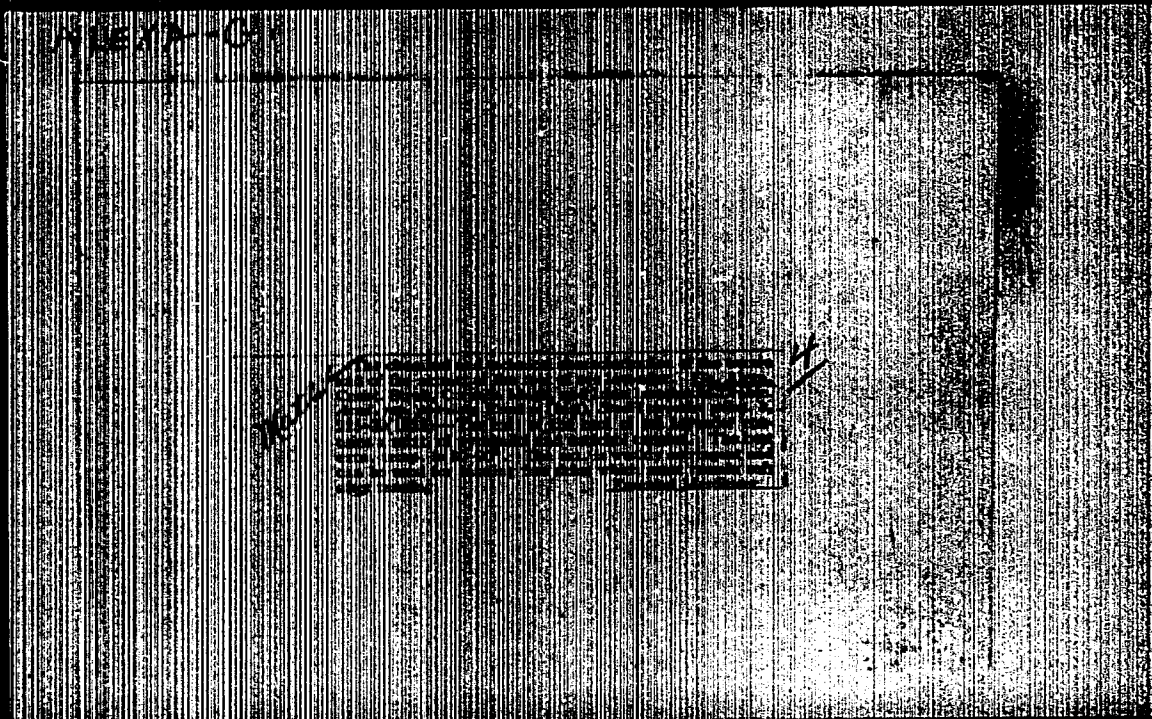
ISTRATI, G.; MEITERT, T.; CIUFECO, C.; BORDEIANU, Vera; ALEXA, Eugenia;
POENARU, Teodora; MARTIN, Lidia

Phage typing of Shigella. IV. Phage typing of strains of Shigella
flexneri 2a isolated from sporadic cases and epidemic foci of
dysentery. Arch. roum. path. exp. microbiol. 21 no.2:368-372 '62.

1. Inst. "Dr. I. Cantacuzino" (for Istrati, Meitert, Ciufeco).
2. Centre Sanitaire Antiepidemique de l'Institut "Dr. I. Cantacuzino" --
Service des Enterobacteriacees (for Bordeianu, Alexa, Poenaru,
Martin).

(SHIGELLA) (BACTERIOPHAGE TYPING) (DYSENTERY, BACILLARY)





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APPROVED FOR RELEASE: 09/24/2001

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~~Gh~~ ALEXA, Gh.

RUMANIA/Chemical Technology. Chemical Products and
Their Application. Leather. Mechanical Gelatins.
Tanning Agents. Technical Albumens.

H-35

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38452.

Author : Alexa Gh., Strub Const, Maza Cornelia, Iarosinschi-
Drabic Irina, Manciu Maria.

Inst : Not given.

Title : Fir bark (Abies pectinata) as a Tanning Material

Orig Pub: Studii si cercetari stiint Acad RPR Fil Iasi Chim,
1956, 7, No 1, 147-157.

Abstract: The content of tannin (T) in fir bark (Abies pectinata)
stripped at a height of 2 m from the base comprises
(in %): 4.62, 4.31, 5.34, 5.09, 5.82 and 5.31 with the
growth of the tree to 20, 35, 45, 50, 80 and 93 years
respectively. The quality (Q) of the extract comprises

Card : 1/2

Country : RUSSIA / Chemical Technology. Medical H
 Library : Products and Their Applications -- Leather.
 : Fur. Tanning. Tanning
 : 4570 Materials. Industrial
 : Proteins
 : Alexi, G. and Gerasim, G.
 : Studies of Collagen For Aldehyde-Carboxe-
 : Vegetable Tanning
 : 1st. Inst. For. and Inst. 1977, No. 2-3,
 : 77-80
 : Preliminary tanning of leather by formalde-
 : hyde (I) accelerates the process of vegetable
 : tanning; however, it should be noted the number
 : of amines (II) reacted by collagen are dimin-
 : ished. To increase the activity of collagen
 : for T, an intermediate carboxyl of leather
 : is produced. The effect of intermediate
 : tanning of leather is investigated by chrome
 : salts (III) in the process of collagen tanning.
 : The degree of tanning (IV) consists (in %):

Form: 2/4

Country : RUSSIA / Chemical Technology. Chemical H
Category : Products and their Applications -- Leather.
Subj. Area : 44870 Chem. Industry. Tanning
Materials. Industrial
Proteins
Author :
Translator :
Title :

Orig. lang. :

Abstract : In the following work: chemical, Vilen,
oil, quaternary, and sodium. G. L. L. L.

Page: 4/4

GH ALEXA

RUMANIA/Chemical Technology. Chemical Products and Their
Application, Part 4. - Leather, Furs, Gelatin,
Tanning Agents, Industrial Proteins. H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72768.

Author : ~~Gh. Alexa~~, Const. Strub, Irina Iarosinschi-Drabic,
Cornelia Maga.

Inst :

Title : Insolubility of Tannides Not Bonded Chemically
by Derma Fibers in Process of Vegetable Tanning
of Sole Leather.

Orig Pub: Studii si cercetari chim., 1957, 5, No 2, 253-265.

Abstract: The conditions of converting tannides (T) not bonded-
chemically by derma into insoluble state by finishing
the tanning of sole leather with vegetable tanning

Card : 1/3

RUMANIA/Chemical Technology. Chemical Products and Their
Application. Part 4. - Leather, Furs. Gelatin.
Tanning Agents. Industrial Proteins.

R

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72768.

leather was 20 to 33 mm, the tensile strength limit
was 1.88 to 2.88 kg per sq.cm, the moisture was
29.98 to 41.37% after 2 hours and 37.54 to 46.02%
after 24 hours, the permeability for water - moist-
ening duration - was 24 hours for the majority of
specimens, and the time before the first drop
appeared was 24 hours.

Card : 3/3

ALEXA, GH.; CHIRITA, GH.

Study of combined formaldehyde-chromium-tannin tanning. Pt. 2. p. 357.

STUDI SI CERCETARI STIMTIPICE, SIMF. Iasi, Rumania
Vol. 8, no. 1, 1957

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept., 1959.

Uncl.

ALEXA, GH., AND OTHERS.

On the factors influencing the chemical composition of the bark of Quercus
sessiliflora. Note 1, p. 397.

STUDII SI CERCETARI STIMTIPICE, SIME. Iasi, Rumania
Vol. 8, no. 1, 1957

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept., 1959.

Uncl.

COUNTRY : ROMANIA
 CATEGORY : Chemical Technology. Chemical Products and Their
 Applications. Leather. Gelatine. Tanning Materials*
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 63224
 AUTHOR : Alexa, G.; Chirita, G.
 INSTITUTE : Romanian Academy
 TITLE : Study of the Formaldehyde-Chrome-Vegetable Tanning.
 Part II.
 ORIG. PUB. : Studii si cercetari stiint. Acad. RPR Fil. Iasi.
 Chim., 1957, 8, No 2, 357-378
 ABSTRACT : Factors affecting the formaldehyde-chrome-vegetable tanning were studied. The intermediate chrome tanning of raw hides increases the ability of raw materials to interact preferentially with vegetable tannides rather than with formaldehyde-vegetable tanning agents. Effects of desalting, pH values on the preliminary formaldehyde tanning, formaldehyde concentration, pickling, basicity of salts and of chrome and duration of the vegetable tanning in a vat were investigated.

*Industrial Proteins.

Card: 1/2

H - 160

COUNTRY :
CATEGORY :

H

ABS. JOUR. : *REZ-Khim.*, No 17, 1959, No. 63224

AUTHOR :
INSTITUTE :
TITLE :

ORIG. PUB. :

ABSTRACT : Leather produced in accordance with this method
Con'd (at the semi-commercial conditions), had proper-
ties, such as resistance to wear, resistance to
abrasives, and strength limits (when subjected to
pull), superior to those required by the existing
standards. The production cycle extends over
25-30 days. For Part I see Ref. *Zhur.-Khimiya*,
1959, No 12, 44575. --D. Gorin.

Card:

2/2

COUNTRY	: ROMANIA	H
DISCIPLINE	: Chemical Technology. Chemical Products and their Applications. Leather. Fur. Gelatine.*	
ANAL. TOUR.	: RAKom., No. 23 1959, No. 84529	
AUTHOR	: Alexa, G.; Chirita, A.	
INST.	: Romanian Acad.	
TITLE	: Problems in the Application of Willow Bark as Tanning Raw Material in the RDR.- Part II.	
DEPT. PUB.	: Studi si cercetari stiint. Acad. RPR Fil. Iasi. Chim., 1962, 9, No 1, 105-114	
ABSTRACT	: This investigation covered the determination of tannide content (T) in different varieties of willow tree family and in particular in Salix fragilis. For the latter variety the following determinations were made: optimum extraction temperature, T content, content of sugars, the age and season when bark was collected. Bark may be taken off the trees during the "vegetation" period, since T content remains almost constant, while the quality goes through an optimum in July, August and	
CARD:	*Tanning Materials. Industrial Proteins. 1/2	

H - 10

COUNTRY :	H
CATEGORY :	
ABS. JOUR. :	AZKhim., No. 23 1959, No. 84529
ANALYST :	
REF. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT :	September. Tannides contained in willow bark
Con'd	belong to the pyrocatechnic group. For Part
	I see Ref. Zhur.-Khimiya, 1959, No 15, 55915.
	-- D. Gorin.
CARD:	2/2

COUNTRY : ROMANIA H
 CATEGORY : Chemical Technology, Chemical Products and Their
 Applications. Leather. Gelatine. Tanning Materials.*
 ABS. JOUR. : Khim., No 17, 1959, No. 63222
 AUTHOR : Alexa, G.; Iarosinschi-Drabic, I.; Muga, C.; Ma-**
 INSTITUTE : Rumanian Academy
 TITLE : Effect of Formaldehyde on the Quantity of Water-
 Soluble Substances in Leather Tanned With Vege-***
 ORIG. PUB. : Studii si cercetari stiint. Acad. RPR, Fil. Iasi.
 Chim., 1958, 9, No 1, 115-124
 ABSTRACT : The treatment with formaldehyde (I) of leather
 tanned with vegetable tanning agents increases
 its hydrothermic stability and reduces quantity
 of water -soluble substances. The use of I con-
 verts the onbound tannides into the insoluble
 form without causing the loss of tanning proper-
 ties. I reacts with collagen and strengthens the
 ***table Agents.
 **nciu, M.; Strub, C.
 *Industrial Proteins.
 Card: 1/2

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhKhim., No 17, 1959, No. 63222

AUTHOR :
INSTITUTE :
TITLE :

ORIG. PUB. :

ABSTRACT : leather -tannide complex. The treatment with I
Con'd causes tanning cells to increase in size, causes
phenolic groups to increase in number which leads
to the increased strength of derma and the im-
proved tensile strength limits.

Card:

2/2

H - 168

ALEXA, Gheorghe, prof.; CARACULACU, Georgeta

Linseed oil of Rumania. Studii chim Iasi 12 no.1:137-155
'61.

1. Academia R.P.R., Filiala Iasi, Institutul de chimie "P.Poni."
2. Membru al comitetului de redactie, "Studii si cercetari stiintifice, Chimie" -Filiala Iasi- (for Alexa).

ALEXA, G., prof.

On the occasion of the seventieth anniversary of the birth
of Professor Vaclav Kubelka. Industria uscara 9 no.8:324
Ag '62.

ALEXA, (b); CARACULACU, Georgeta

Contributions to the colorimetric determination of tannins.
Studii chim Iasi 13 no.2:263-275 '62.

ALEXA, Gheorghe, dr. ing., Prof. Emerit; CHIRTA, Gheorghe, conf. ing.;
CHIRTA, Aglaia, lect. ing.; MANGIU, Maria, ing.; SCHIFTER, Hari, ing.;
NANESCU, Valeriu, ing.

Stability in time of chemical and physical characteristics of
leather tanned by a combination tannage with chromium and form-
aldehyde. Industria usocara 10 no.1,3-6 Ja '63.

ALEXA, Gheorghe, dr. ing., profesor emerit; CHIRITA, Gheorghe, conf. ing.;
CHIRITA, Aglaia, lector ing.

The influence of acidity on the bond between formaldehyde and
collagen. Industria uscare 10 no.2:45-47 P '63.

ALEXA, Gh.; BORS, Lidia; CARACULACU, Georgeta; MATEI, E.

Contributions to the improvement of tannin extraction in alkaline medium from spruce fir bark and the purification of tanning juices by ion exchanges. Studii chim Iasi 14 no.1:123-130 '63.

1. Academia R.P.R. Filiala Iasi, Institutul de chimie "P.Poni", Sectia de chimie organica.

ALEXA, Gh.; CHIRITA, Gh.; CHIRITA, Aglaia

Contributions to the study of combined tannages. Rev
chimie 7 no. 1: 13-20 '62.

1. Section de l'industrie du cuir, des remplaceants du
et des matieres tannantes de l'Institut Polytechnique
Jassy.

ALEXA, Gh.; CHIRITA, Gh.; CHIRITA, A.; MANCIU, M.; SCHIFTER, H.; NANESCU, V.

On the stability in time of physicochemical and chemical characteristics of leathers dressed by the combined formol and chromium method. Studia Univ B-B S Chem 8 no.1:509 '63

1. Iasi Polytechnic Institute.

ALEXA, Gh.; CHIRITA, Gh.; CHIRITA, A.

Influence of acidity on the stability of formaldehyde combination with collagen. Studia Univ B-B S Chem 8 no.1:510 '63

1. Iasi Polytechnic Institute.

ALEXA, George, prof. dr.; MARINESCU, Mihai, prof.; COCIU, Voinea,
conf. ing.

Training the leading technical cadres for the tanning and leather
goods industries in Rumania. Industria usocara 11 no. 8:398-402
Ag '64.

1. Polytechnic Institute, Iasi (for Alexa). 2. Head of the Chair
of Technology of Leather, Fur, Tanning Material, and Leather
Substitutes, Faculty of Industrial Chemistry, Polytechnic Institute,
Iasi (for Marinescu). 3. Head of the Chair of Technology of Leather
Ready-Made Clothes, Faculty of Light Industry, Polytechnic Institute,
Iasi (for Cociu).

ALEXA, Jiri; MALY, Jeromir; MARHOL, Milan; NOVAK, Milan; WAGNEROVA, Dana

Adsorption of uranium to the OAL anax. Jaderna energie 3 no.7:
200-203 J1 '57

1. Ustav jaderna fysiky, Ceskoslovenska akademie ved, Praha.

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic
Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73721.

Author : Alex, Jiri

Inst : ~~unclassified~~

Title : Uranium Determination by Permanganometrical Titration
of Uranium Peroxide.

Orig Pub: Chem. listy, 1957, 51, No 12, 2254-2258.

Abstract: A method of indirect determination of little amounts
of U in the presence of large amounts of usual salts
and acids is described. It consists in the precipi-
tation of U as $UO_4 \cdot 2H_2O$ at pH of 2 to 3 with an
excess of H_2O_2 and in the permanganometrical titra-
tion of H_2O_2 liberating at the dissolution of the
obtained precipitate in dilute H_2SO_4 . The drawback

Card : 1/4

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic Substances.

E

Abd Jour: Ref Zhur-Khimiya, No 22, 1958, 73721.

of that simple method is the interfering influence of many usual ions, for example, of Cl^- and, especially, of SO_4^{2-} , which results in an incomplete precipitation of U. In the presence of the above mentioned ions, it is necessary to separate U from them before the precipitation with NaOH in the form of Na diuranate. The negative errors arising at that occasion can be partially eliminated by the determination of the empirical factor of KMnO_4 by U_3O_8 . Under these circumstances, the determination of U is encumbered only by Ni^{2+} , Ca^{2+} , Sn^{4+} and, especially, Sb^{3+} , Fe^{3+} , Co^{2+} , Sr^{2+} , Th^{4+} , F^- , PO_4^{3-} , $\text{Fe}(\text{CN})_6^{4-}$. The least determinable

Card : 2/4

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73721.

concentration of U is 1.5 g per liter (at the direct precipitation of U with peroxide, the least determinable concentration is 0.5 g per liter). The relative error of determination is 1.5 to 3.0%. At the U determination, a small excess of 10%-ual NaOH solution containing no CO_3^{2-} is added to 20 ml of the solution to be analysed, the precipitate is centrifuged (5 min., 2,000 rev. per min.) and dissolved in a minimum amount of 10%-ual HNO_3 . The prepared solution is neutralized with 3%-ual NaOH solution, pH is set on the level of 2-3 with 5%-ual HNO_3 , 0.5 ml of 30%-ual H_2O_2 is added, the mixture is left to react 30 min., the precipitate is centrifuged, washed three times with 3%-ual NH_4NO_3 solution

Card : 3/4

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic
Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73721.

acidified with nitric acid to pH of 2 to 3, dis-
solved in 20 ml of H_2SO_4 (1 : 2) and titrated
with 0.05 n. $KMnO_4$ solution.

Card : 4/4

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11483.

Author : ~~Alexa, J.~~

Inst : Not given.

Title : The Determination of Uranium by Permanganate
Metrical Titration of Uranium Peroxide.

Orig Pub: Coll. czechosl. chem. commun., 1958, 25, No 7,
1187-1192.

Abstract: See RZhKhim, 1958, 73721.

Card 1/1

ALEJA, J.

Rapid determination of the function of distribution in the ion exchange-solution system using radioactive isotopes. Coll Cz chem 25 no.3:706-710 Mr '60. (EEAI 9:12)

1. Institut für Kernforschung, Tschechoslowakische Akademie der Wissenschaften, Prag.
(Ion exchange)
(Solutions)
(Radiosotopes)
(Praseodymium)

ALEXA, J.

Calculating the concentration of the dissociated anion of a weak acid in the "acid-salt" system on the basis of ion-exchanging sorption. Coll. cz chem 29 no.7:1727-1731 J1 '64.

1. Institut für Fernforschung, Tschechoslowakische Akademie der Wissenschaften, Karlovy Vary.

ALINA, Jiri

Chromatographic separation of rare earths on the K-1
microporous cation exchanger. Jaderna energi 10 no.11:
207-208 11 '64.

1. Institute of Nuclear Research of the Czechoslovak Academy
of Sciences, Rez near Prague.

ALINA, C.
.....

Chromatographic separation of rare earths by means of
macroporous cation exchanger "IATEX KP-1". Chem Cz
Chem 49 no.11:2851-2855 N '64.

1. Institut für Kernforschung, Tschechoslowakische Akademie
der Wissenschaften, Rez near Prague.

"APPROVED FOR RELEASE: 09/24/2001

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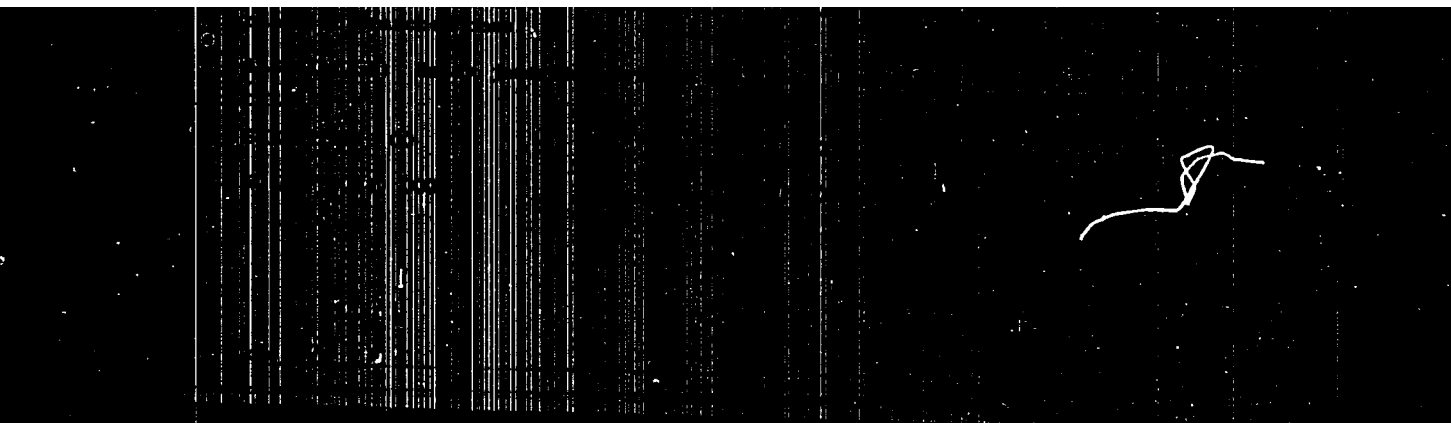
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ALEXA, Karel

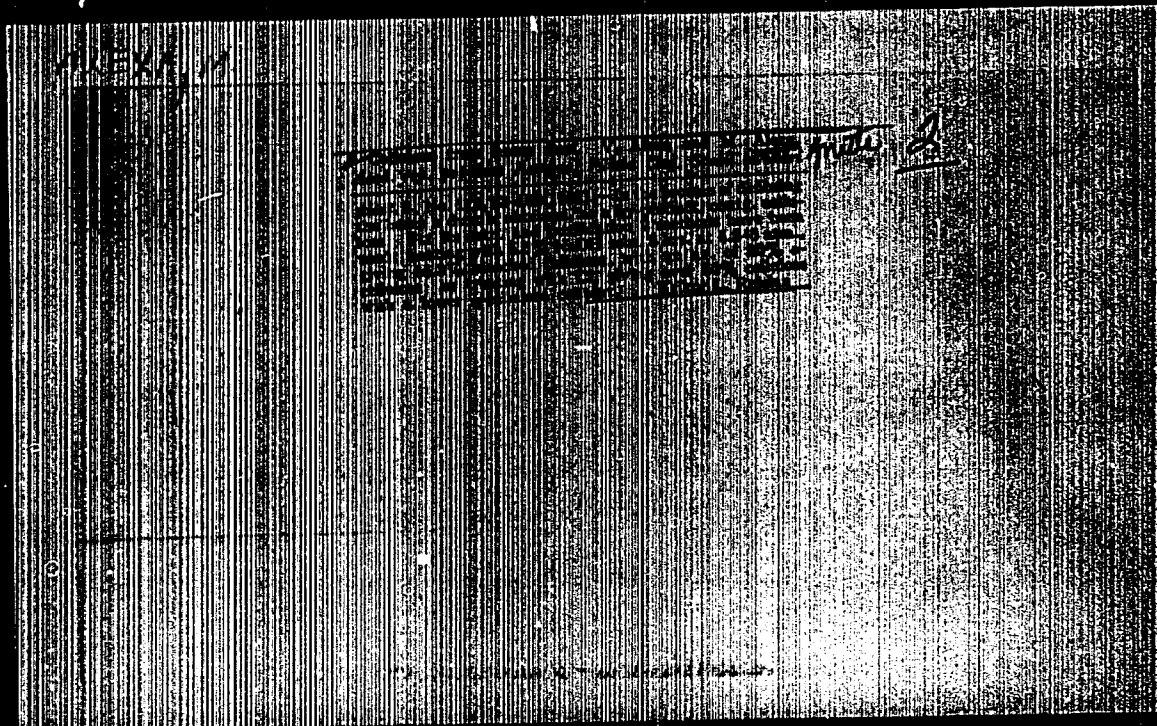
New unified series of Schrage and Winter-Eichberg direct and alternating-current commutator-motors in the Brno Moravskoslezské elektrotechnické závody National Enterprise. Elektrotechnik 18 no.5:152-154 Hy '63.

1. Moravskoslezské elektrotechnické závody Brno, Vytvořový závod.

ALŠIA, Ladislav; VORACEK, Ladislav, ins.

A new method of connecting the winding. Elektrotechnik 17 no.1:
23-24 Ja '62.

1. Zavody V.I.Lenina, Plzen, ET-Doudlevoe



ALMA, M., inz.

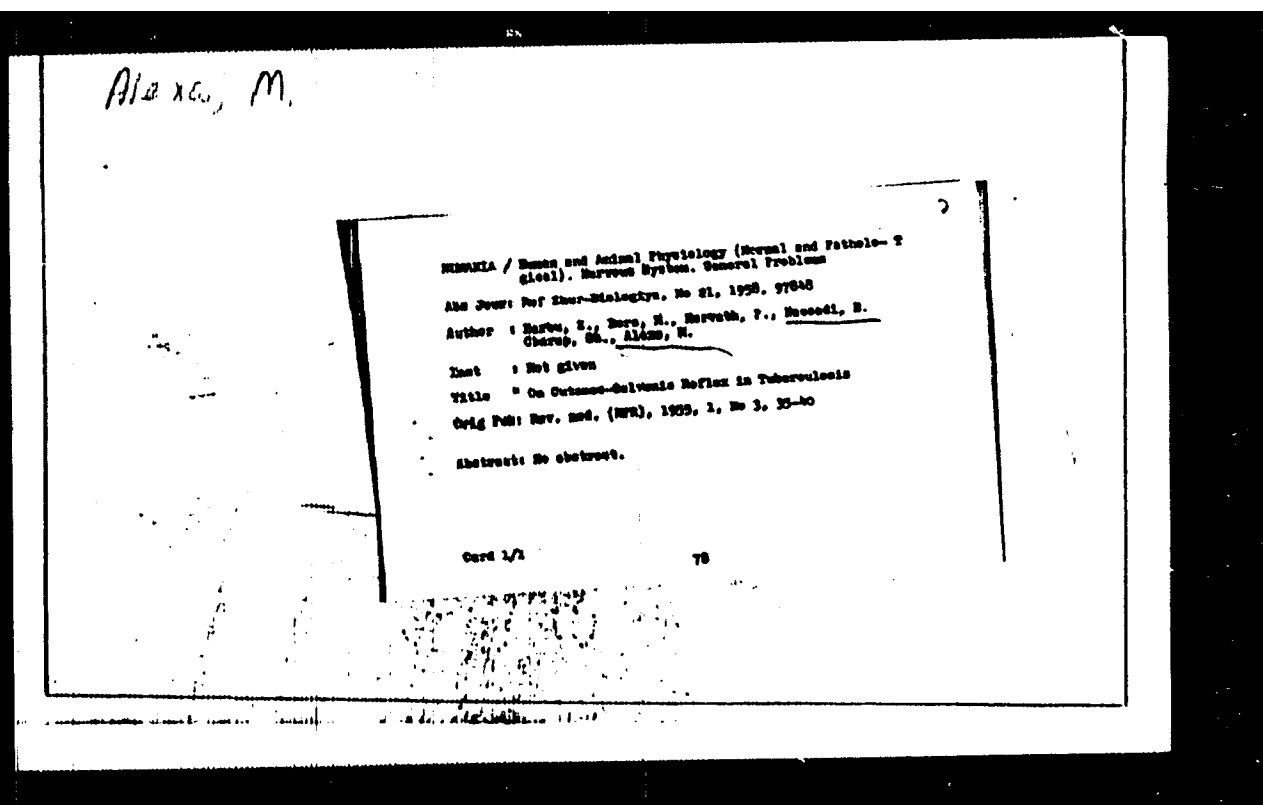
Automation in the production of the TR 112 and TR 113 miniature
resistors. Automatizace 6 no.8:200-201 Ag '63.

1. Tesla Lanškroun.

ALEXA, M., Inc.

Automation in the production of the TR 112 and TR 113 miniature resistors. Automatizace 6 no.8:200-201 Ag '60.

1. Tesla Lanskroun.



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CIA-RDP86-00513R000101020008-9"

RECEIVED

BARBU, R., Zenko, dr.; BORS, Marta, dr.; CHARAP, Gyorgy, dr.;
BAROTHY, Miklos, dr.; SZIMA, Zoltan, dr.; ALKIA, Maria

... of the nervous system in tuberculosis. Tuberk. kerdesei
9 no.5:193-200 Oct 56.

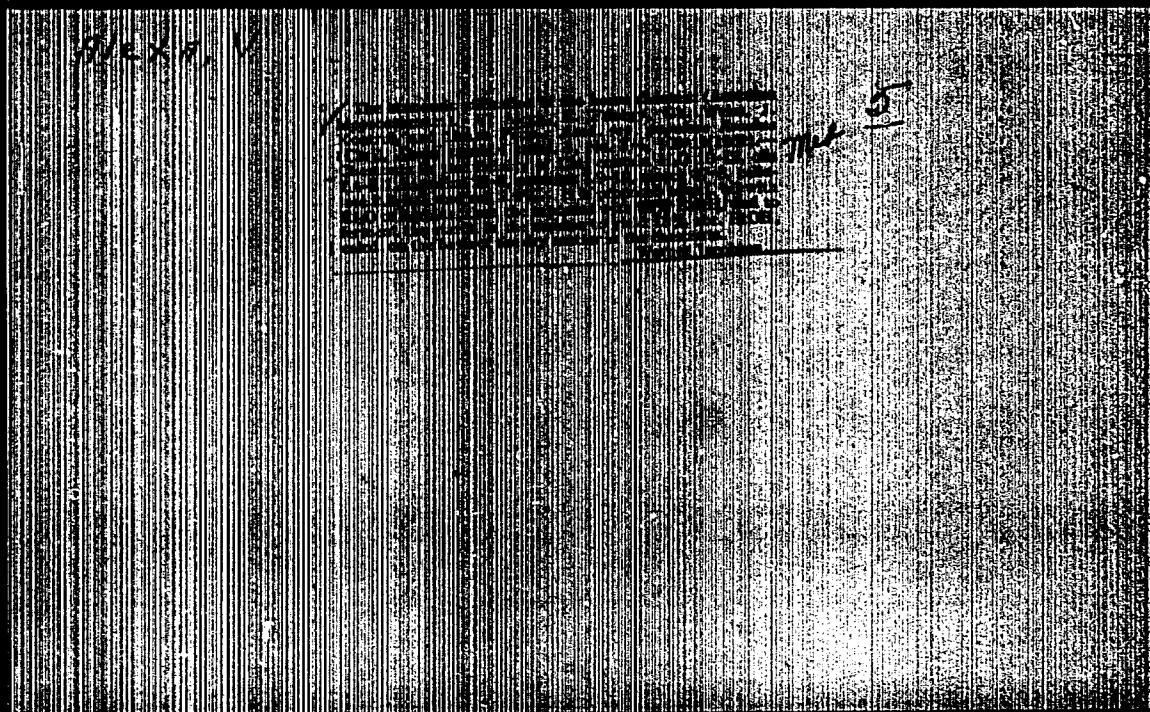
1. A Magyarorszagbeli Orvostudomanyi es Gyogyaszasati
Felsoklatasi Intezet tudoklinikajanak (veseto: Barta, R.
Zeno, dr. egy. ny. r. tanar) kozlemenye.

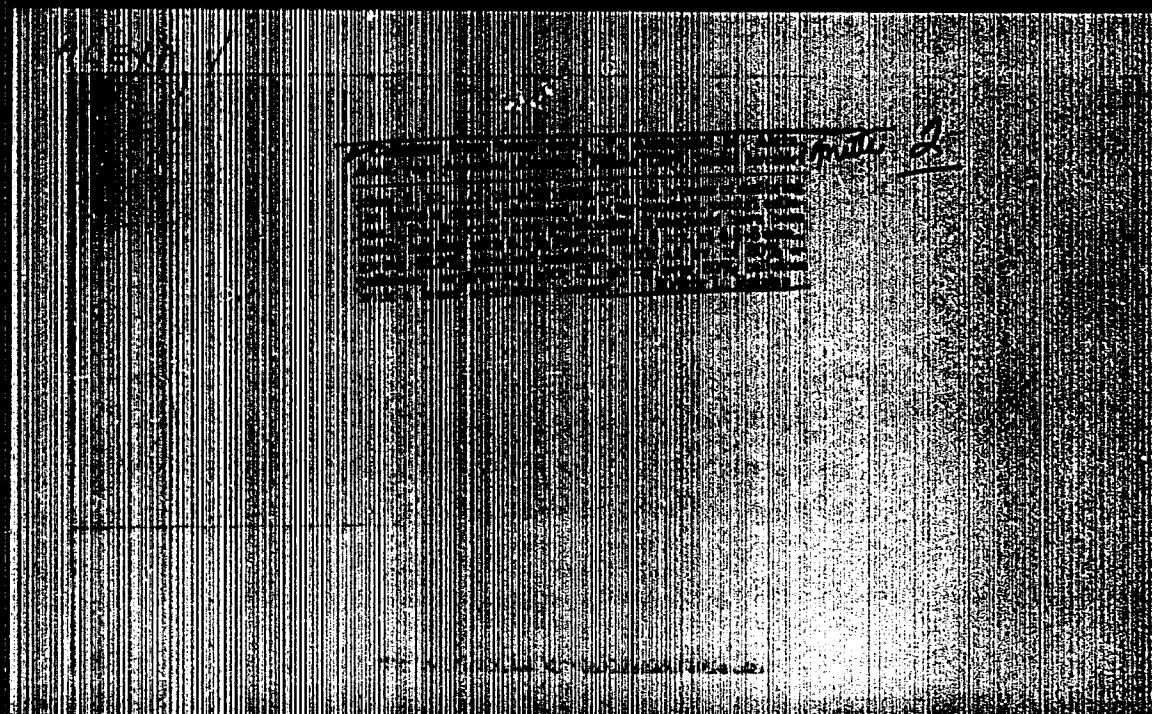
(TUBERCULOSIS, physiol.

NS funct., testing methode (Hun))

(NERVOUS SYSTEM, in various dis.

tuberc., funct. tests (Hun))





RUMANIA/Chemical Technology - Chemical Products and Their
Application - Cellulose and Its Manufacture. Paper. H.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 31036

Author : Alexa, V. and Weisz, C.

Inst :

Title : Cellulose Production from Hemp Waste.

Orig Pub : Studii si cercerati stiint Acad RPR Fil Cluj, Ser I, 6,
No 1-2, 145-147, 1955, (in Rumanian with summaries in
French and Russian)

Abstract : Pilot plant scale experiments have shown that a cellulose-
type material can be obtained from hemp waste by boiling
for 6 hrs with 20% lime (calculated on the weight of
hemp waste used) at 5-6 atm. The milled and partially
bleached (using CaCl_2) product is suitable for the pro-
duction of high-grade paperboard; when completely
bleached and refined, the product can be used in the
manufacture of newsprint. The addition of fillers (wood

Card 1/2

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Card 2/2

1965
ALEXU, V. [deceased]; WEISS, Gh.

Dry distillation of the boom of hemp. Studia Univ B-B S
Chem 8 no.1:481-489 '63

1. "Babeş-Bolyai" University, Cluj.

ALEXA Z.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products
and Their Application, Part 3. - Drugs. Vitamins.
Antibiotics.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71760.

Author : Z. Alexa, J. Hajlek, J. Sadovska.

Inst :

Title : Upon the Methods of Control of Galenical Preparations
According to the Czechoslovak Pharmacopeia.

Orig Pub: Farmacia (Ceskosl.), 1956, 25, No 9, 279-281.

Abstract: No abstract.

Card : 1/1

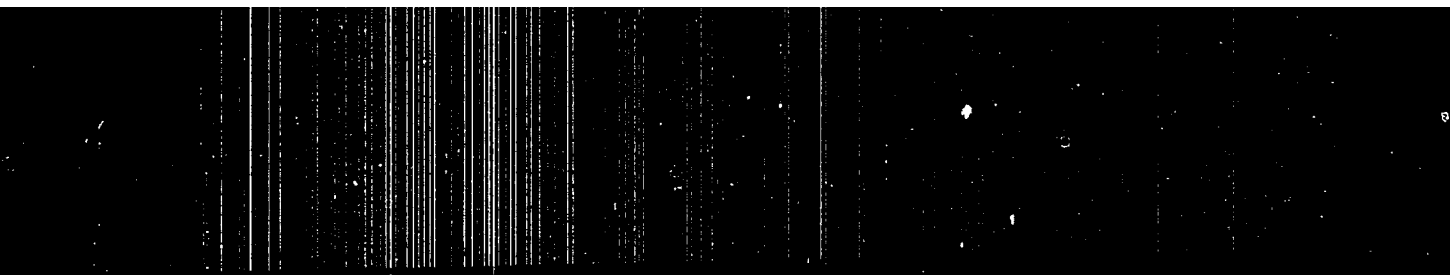
DUCA, M.; TEODOROVICI, Gr.; DUCA, Eugenia; VANCEA, Georgeta; IVAN, R.;
HANDRACHE, Ludmila; OANA, C.; ALEXANDRUSCO, M.

Immuno-epidemiological study on the natural variation of type
A and B influenza viruses during the past 30 years in Rumania.
Arch. roum. path. exp. microbiol. 22 no.4:979-986 S-D'63.

1. Travail de l'Institut Medico-Pharmaceutique de Jassy; Labora-
toire de virologie.

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CIA-RDP86-00513R000101020008-9



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CIA-RDP86-00513R000101020008-9"

ALEXA-PETROVANU, N.

Formazans. III. Determination of the germinative power of seed with the help of tetrazole salts. p. 111.

Vol. 2, No. 3/4, July/Dec. 1954, Bucuresti, Rumania.

SO: East European Accessions List, Lib. of Cong., Vol. 5, No. 10, Oct. 1956.