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Equations for the current intensity in solutions. *A. Cupr. Chem. Listy* 37, 38-41, 33.5(1943). The considerations are based on the classical electrochemistry if it is assumed that there is no mutual influence of the ions. Equations are deduced for the current intensity, when the ion motion is produced by nothing but elec. and osmotic forces. Equations are extended to the electrolyte mixt. and integrated, the linear concn. change of all ions in the contact layer and electroneutrality in all sections of the layer being assumed. When the total current intensity equals zero, the equation results in the known Henderson equation evaluating the diffusion potentials. When the intensity differs from zero, an equation is deduced expressing the total tension on the contact layer as a function of the diffusion potential, of the tension depending on the current intensity passing through and of the cond. of the border solns. Equations for the total tension on the layer

with respect to the linear variability of the conductor section have been promoted. B. Erdős

CA

Polarization of first-order and second-order electrodes  
V. Cupr. *Chem. Listy* 37, 837 (1943); cf. *ibid.* 36,  
323-9 (1942); *C.A.* 44, 1802c. - The treatise discusses  
why and when the simplified equation:  $\Delta K_1 \approx \Delta K_2 +$   
 $1/\Delta A_1$  is applicable, when the polarization of the first order  
and second order electrodes is considered.  $\Delta K_1$  is the  
conc. change of the cation due to the elec. current,  $\Delta K_2$   
and  $\Delta A_1$  are conc. n. changes depending upon the cation and  
anion diffusion, resp. R. Frolow

2

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✓ Bohumil Kudrna, Vys. Chem. Listy 38, 21-2  
(1944). - A scientific profile. Milos Hudlicky

*B. A. also*

*RT. & General Int.*

Phosphatization (of metal surfaces). Y. Cope. (*Chem. Listy*, 1948, 48, 48--54, 70--76).--Published work on the theory and practice of protection of metal surfaces by phosphatization is reviewed.  
R. Tauson.

CA

26

Electrochemical tests for oils used as anticorrosion.  
paints. V. Čupr and J. Šimáček. *Chem. Listy* 41, 178-  
82(1947).—Corrosion of a metal is promoted by changes  
in the nature of the protective oil film. These changes  
can be followed by measuring the elec. cond. of the oil  
film by means of a pair of electrodes of different metals.  
App. has been designed and tests with several oils are de-  
scribed. M. Hudlický

COMMON ELEMENTS		COMMON VARIABLES INDEX	
<p>Relation between the transport numbers and the electrolytic transport of water. V. Čapc (Brno, Czech.). <i>J. chem. Phys.</i> 44, 277-83 (1967).—Theoretical. The relation between the limiting transport no. <math>(1 - n_0)_\infty = (V_\infty - V_0)/sM_s</math> and the true transport no. <math>(1 - n_0) = K_0 s/rM_s</math> is derived by accounting for the effect on the wt. of the cathode chamber by the water, <math>H_0</math>, carried with the cation and, <math>H_\infty</math>, carried with the anions, and also the water, <math>O_0</math>, and solute, <math>O_\infty</math>, leaving the cathode chamber owing to electroosmosis. (<math>V_0</math> = wt. of the cathode chamber before electrolysis, <math>V_\infty</math> = this wt. after hydrolysis, <math>K_0</math> = loss in wt. of the cathode chamber actually due to the transport of ions, <math>s</math> = valence of the cation, <math>r</math> = g. equivs. of cation electrolyzed, <math>M_s</math> = mol. wt. of the electrolyte.) The resulting expression, <math>(1 - n_0)_\infty = [(1 - n_0)s/(\omega + 1)] + [(K_0 - K_\infty)s/(\omega + 1)] + [O_0/rM_s]</math>, (<math>\omega = K_0'/K_s'</math>, <math>K_s</math> and <math>K_s'</math> = wt. of solvent in the cathode chamber before and after electrolysis, resp., and <math>K_0</math> and <math>K_0'</math> are corresponding wts. of the electrolyte) contains quantities that, with the exception of <math>O_0</math>, are easily determinable experimentally. The electrolytic transport of water, defined by <math>\xi = (H_\infty - H_0)/rM_s</math> (<math>M_s</math> = mol. wt. of solvent), is shown through similar considerations to be given by <math>\xi = [(V_\infty/(\omega + 1)) - K_0 - O_0]/rM_s</math>. By neglecting <math>O_0</math> and <math>O_\infty</math>, the above expressions reduce to <math>(1 - n_0)_\infty = (1 - n_0) + (sM_s/M_0)</math>, which compares unfavorably with a similar expression given by Washburn (<i>C.A.S.</i> 735): <math>(1 - n_0)_\infty = (1 - n_0)s + \xi\phi</math>, where <math>\phi</math> is the ratio of the no. of mole. of electrolyte to solvent in the initial soln. All of the terms of the present expression are homogeneous (in terms of mole. of electrolyte when written in the form <math>(1 - n_0)s = [(1 - n_0)s/s] + [(M_s/M_0)]</math>, whereas the terms in Washburn's equation are not (<math>\phi</math> does not convert mole. of water to equiv. mole. of electrolyte). Furthermore, Washburn's equation predicts no difference between the two transport nos. at infinite diln.; the present expression predicts a difference of <math>sM_s/M_0</math>, which becomes zero only in the special cases when both anion and cation transport equal amts. of water, or when no water at all is transported.</p> <p>J. Eibert</p>		<p>2</p>	
<p>355-35A METALLURGICAL LITERATURE CLASSIFICATION</p>			
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ALPHABETIC INDEX																									
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<p>Normal potential of the bismuth electrode. V. Cupr. <i>Publ. facult. sci. univ. Masaryk No. 290, 27 pp. (1947)</i>; cf. Jellinek and Kühn, <i>C.A.</i> 17, 3637. — Expts. were conducted in HCl solns. acid. with BiOCl. The potential is 0.2004 ± 0.001 v. in reference to the normal H electrode. Potentiometric measurement of [H<sup>+</sup>], [Cl<sup>-</sup>], and detn. of [Bi<sup>+++</sup>] (assuming complete dissocn. showed that K increases with decreasing acidity: <math>K = \frac{[H^+]}{[Bi^{+++}][Cl^-]}</math>). Thus the reactions <math>BiCl_3 + H_2O \rightleftharpoons BiOCl + 2HCl</math> and <math>Bi^{+++} + Cl^- + H_2O \rightleftharpoons BiOCl + 2H^+</math> do not suffice to explain the hydrolytic decompn. of BiCl<sub>3</sub>. Other reactions probably interfere, especially in concd. solns. The expt. does not deal with the normal potential of the Bi electrode, but with the potential of the same electrode calcd. for [Bi<sup>+++</sup>] = 1 from expts. in aqns. where the activity of Bi<sup>+++</sup> is in some relation to the concns. of H<sup>+</sup> and Cl<sup>-</sup>. K. L.</p>																									
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Theoretické základy elektrochemie. [Vyd. 1.] Praha, Státní pedagogické nakl.,  
1953. 262 p. (Učební texty vysokých škol) [Theoretical fundamentals of  
electrochemistry. bibl., diagrs.]

East European Vol. 3, No. 3  
SO: Monthly List of ~~Asian~~ Accessions / Library of Congress, March 195<sup>4</sup>, Uncl.

CUPR, VACLAV

Uvod do fysikalni chemie. [Vyd. 1.] Praha, Statni pedagogicke nakl., 1953.  
315 p. (Ucebni texty vysokych skol) [Introduction to physical chemistry.  
diagrs.]

East European Vol. 3, No. 3  
SO: Monthly List of ~~Russian~~ Accessions, Library of Congress, March 1953<sup>4</sup>, Uncl.

CUPR, V.

②  
✓ "Elchemographic" measurements. V. Cupr (Pub. Fac. Sci. Univ. Masaryk, 1953, No. 549, 177-218). Experimental arrangement which allows the study of electrochemical processes by means of continuous photographic recording is described. Specially designed electrical equipment permits recording of the intensity and the potential of polarisation of the examined electrode during and immediately after the polarisation as a function of the external potential. Photographs (so called "elchemographs") obtained during the study of the passivity of Cr and Sn electrodes in acid medium and phosphatisation of Fe are reproduced and discussed.  
S. K. LACHOWICZ.

CR  
12/13/54

CUPR, V.

Slozene elektrodove soustavy. Brno, Prirodovedecka fakulta Masarykovy university.  
(1954) 262-299 p. (Brno. Universita. Prirodovedecka fakulta. Spisy.  
Rada E 8, cis. 358 (Compound systems of electrodes. French and Russian  
Summaries. bibl., diagrs. Zdislav Vavrin: Alkyl-ammonium selenates.  
German and Russian summaries. bibl.)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,  
Sept. 1955, Uncl.

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*Cupr, V.*

4000

Effect of capacity on elchemographic measurements. V.  
Cupr (Masaryk Univ., Brno; Czech.). *Publ. fac. sci. Masaryk 356*, 295-310 (French summary, 313-14) (1955).  
Elchemographic measurements (cf. *C.A.* 48, 11222) — periodically interrupted d.c. A criterion indicating no capacity effect with the electrodes used was  $i/I = 0.457$ , where  $i$  = the instantaneous current,  $I$  = the current obtained without the interrupter, and 0.457 was given by the construction of the interrupter. The system was analogous to an "RC cell," where current  $I$  passed through resistance  $R$  and capacity  $C$  placed in parallel. On the basis of this model, equations were derived for the change in  $I$  and in potential, with and without current passing, as a function of  $C$ . From measured values it was then possible to det.  $C$ . The "REC cell," ( $C$  was in parallel with a branch contg. both the e.m.f. source and  $R$ ) was governed by similar equations.  
H. Newcombe

*Part 1*

*DM*

CUPR, V.

CUPR, V. Research in metal facing, p. 141.

No. 363, 1955.

SPISY

SCIENCE

Brno, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957



CUPR, V.

CUPR, V. Influence of capacity on electrochemographic measurements. p. 295.

No. 366, 1955.

SPISY

SCIENCE

Brno, Czechoslovakia

So: East European Accession, Vol..6, No. 2, Feb. 1957

CUPR, V.

CUPR, V. A method of sumplifying measurements requiring a network of calibration curves.  
p. 315.

No. 366, 1955.

SPISY

SCIENCE

Brno, Czechoslovakia

So: East European Accession, Vol. 16, No. 2, Feb. 1957

CUPR, V.

Corrosion and its electrochemical study, p. 242, TECHNICKA PRACA  
(Statne nakladatelstvo technickej literatury) Bratislava, Vol. 7,  
No. 6, June 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

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CUTR, V.

Considerations of metal corrosion from the electrochemical viewpoint.  
p.41. Cechoslovenske akademie ved. Brnenske zakladna. Praha, Brno.  
Vol. 27, no. 2, 1956.

SOURCE: East European Accessions List, (LEAL), Library of Congress  
Vol. 5, No. 12, December 1956

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Cupr, V.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and I-8  
 Their Application - Electrochemical manufacturing.  
 Electrodeposition. Chemical sources of electrical current

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12474

Author : Cupr V.

Inst : Department of Theoretical and Physical Chemistry of the  
 University ineni Masaryk at Brno.

Title : Investigation of Procedures for the Treatment of Metal  
 Surfaces

Orig Pub : Vyzkumy v povrchove uprave kovu. Spisy Vyd. prorodoved.,  
 fakult. Masarykovy univ., 1955, No 3, 141-183 (Czech;  
 Russian and French summaries)

Abstract : A symposium of papers from the Department of Theoretical  
 and Physical Chemistry of the Masaryk University at Brno  
 concerning work conducted during 1943-1953. In the case  
 of a number of coatings that have been investigated (of  
 Cu-Ni alloys deposited from cyanide and sulfuric acid

Card 1/3

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and I-8  
 Their Application - Electrochemical manufacturing.  
 Electrodeposition. Chemical sources of electrical current

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12474

baths, and of Cu-Sn and Cu-Zn alloy coatings) it is shown  
 that electrolysis with alternating current results under  
 proper conditions in coatings of improved quality. It is  
 also shown that on cathodic separation of Cu, by use of  
 alternating current, the Cu-cathode acts, at low current  
 densities in a  $\text{CuSO}_4$  solution, as an inert electrode.  
 Bath compositions are given for the deposition of W and  
 its alloys. Described is a generator of ultrasonic wa-  
 ves, the use of which in electrolysis makes it possible  
 to produce thinner Ni coatings. Considered are problems  
 of formation and permeability of phosphate films upon me-  
 tals in connection with which the author recommends the  
 titration method for evaluation of the quality of the  
 bath. A method is also described for determining the ac-  
 tive and passive state of metals, and the question is

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and I-8  
Their Application - Electrochemical manufacturing.  
Electrodeposition. Chemical sources of electrical current

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12474

considered of the effects of corrosion inhibitors on  
the operation of local elements. Data are also pre-  
sented on anodic films of Bi, on metal coating of plas-  
tics and the corrosion of novodur (polynivynyl chloride).

Card 3/3

- 57 -

~~APPROVED FOR RELEASE: Thursday, July 27, 2000~~

Czechoslovakia/Physical Chemistry. Surface Phenomena.

CIA-RDP86-00513R00050942

B-13

Adsorption Chromatography. Ion Exchange.

Abs Jour : Ref Zhur - Khimiya, No 7, 1957, 22533.

Author : Vaclav, Cupr.

Instit : Not given

Title : To the Capillarity Theory in Conical Tubes.

Orig Pub : Spisy vyd. prirodoved. fak. Masarikovy univ. 1956, No 3,  
137-146 (czech. rez russ nem.)

Abstract : This is a study of equilibrium of a liquid column of the height  
h in a vertical conical capillary (K) with a small angle be-  
tween the generatrix and the cone axis. The author is assum-  
ing that edge moistening angles in conical and cylindrical K  
are not identical. A condition is evolved, under which an equa-  
lity is possible between the height h of liquids elevation in  
conical and cylindrical K when the radii of sections of K at  
height h are equal one to another.

Card 1/1

-187-

CUPR, V.

Evaluation of electrochemical measurements. p. 117.  
(SPISY, No. 373, 1956, Brno, Czechoslovakia)

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

CUPR, V.

Contribution to the study of capillarity in conic tubes. p. 137.  
(SPISY, No. 373, 1956, Brno, Czechoslovakia)

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

CUPR, V. : PAUCEK, M.

Vacuum metallization of plastics.

P. 51 (Chemicky Prumysl) Vol. 7, No. 1, Jan. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

CUPR, V. : DVORAKOVA, E.

"Color layers on bismuth anodes. In German."

p. 305 (COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK  
CHECKHOSLOVATSKIKH KHMICHESKIKH RABOT. -- Praha, Czechoslovakia.)  
Vol. 22, No. 1, Feb. 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

~~VACILAV, CUPR,~~ VACLAV

CZECHOSLOVAKIA/Physical Chemistry - Crystals.

B.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 45731

Author : ~~Vaclav Cupr,~~ Silvestr Minar, Vladimir Kleinwachter,  
Josef Prikryl

Inst : Brno Institute CSAV

Title : Study of Tertiary Zinc Phosphate.

Orig Pub : Prace Brnenske zaklad. CSAV, 1957, 29, No 1, 19-39

Abstract : The structure of tertiary Zn phosphate was studied by the x-ray method with the application of the differential thermal analysis. Solid phases were separated at temperatures of 37, 75 and 94° from the ZnO - P<sub>2</sub>O<sub>5</sub> - H<sub>2</sub>O system containing 11.8% of ZnO, 0.8% of P<sub>2</sub>O<sub>5</sub> and 79.4% of H<sub>2</sub>O, and the aging process of solid phases in the air was studied. The solid phase separated at 37° is a tetrahydrate. The solid phase separated at 75°

Card 1/2

CZECHOSLOVAKIA/Physical Chemistry - Crystals.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 45731

is a tetrahydrate while it is freshly deposited, but after two months of aging a mixture of tetrahydrate and dihydrate of the ratio 2 : 1 is formed. The solid phase separated at 94° was identified as a mixture of tetrahydrate with dihydrate, their ratio changing from 3 : 2 at the beginning of the aging process to 2 : 3 in tis end.

Card 2/2

COUNTRY	: Czechoslovakia	B-12.
CATEGORY	: Physical Chemistry. Electrochemistry.	
ABS. JOUR.	: RZKhim., No. 16 1959, No.	56530
AUTHOR	: <u>Cupr. V.</u>	
INST.	: Masaryk University	
TITLE	: The Application of the Bismuth Electrode to the Determination of Acidities	
ORIG. PUB.	: Spisy Vyd Prirodoved Fak Masarykovy Univ, No 6, 237-258 (1958)	
ABSTRACT	: The author has investigated the dependence of the potential of the Bi electrode on the pH. The potential of active Bi (in acid solutions) is shifted to more negative values as the pH is increased and to more positive values when bismuth oxychloride is added to the solution. The potential of passive Bi is determined by the pH. Neutral salts (particularly chlorides) in acid solution shift the potential of passive Bi to more negative values, whereas in neutral or	

CARD: 1/2

COUNTRY	:Czechoslovakia	B-12
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 16 1959, No.	56530
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	:alkaline solutions they have practically no effect on the potential. The results are interpreted in the light of Mueller's passivity theory. A. Chemodanov	

CARD: 2/2

51



Distr: 4E2c

Superposition principle in corrosion diagrams. Vachek  
Sov. Publ. Soc. Sci. Univ. Moscow 10, 180-90 (1968).  
The superposition of current-voltage curves in a system of  
rectangular coordinates or adding of partial currents to give  
a resultant current is not justified if the cathodic and anodic  
reactions are interdependent. This limits the applicability  
of Akinov's corrosion diagrams (C.A. 50, 1403c).

H. Morawetz

3

1

CUPR, V., prof. inz. dr. (Brno)

Rust removal before the application of coat paints. Strojirenstvi  
14 no.9:701-703 S '64.

CUPR, V., prof., inz. dr. (Brno)

Corrosion effects in using mazut as fuel. Stavivo 42  
no.1:16-17 '64.

Equilibria in aqueous solutions containing complex  
nickel and copper cyanides and free potassium cyanide.  
Liberte Kikova and Vera Gopova (Moscow Univ. Ann.  
Collection (Leningrad). *Chem. Commun.* 24, 502-51 (1959) (in  
German).—See C.A. 53, 584. JPL P1001

Distr: 4E20/4E3d

CUPRUNOV, V.

Development of the fuel economy of the Soviet Union in the sixth Five-Year Plan.  
p. 509

SOVETSKA VEDA: ENERGETIKA (Ceskoslovenska akademie ved. Technicka sekce)  
Vol. 4, No. 5, 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

MIKOLAS, Milos, inz.; CUPRUNOV, Vladimir, inz.; STEINER, Oldrich,  
inz.

Characteristic features of the power economy in Czechoslovakia.  
Energetika Cz 14 no. 4: 153-157 Ap '64.

1. Central Administration of Power Engineering, Prague.

CUPRYN, Jerzy

Adaptation of the Lorand tokograph for the examination of uterine contractility after delivery. Ginek. Pol. 36 no.4:471-474 Ap '65.

1. Z II Kliniki Położnictwa i Chorob Kobietych AM w Łodzi (Kierownik: prof. dr. med. S. Krzysztopouloski).

CUPSA, Adrian, ing. (Bucuresti)

Contributions to the calculus of low power ( $S < 500$  VA)  
monophase transformers. Electrotehnica 10 no. 7: 266-273 JI '62.

1. Uzinele "Electromagnetica".



CUPSA, Laurentiu, general locotenent

Twenty years since the victory over Nazi Germany. Constr Buc  
17 no.800:1 8 My '65.

SARATEANU, D.; SURDAN, C.; SOBODOG, G.; FUHRER-ANAGNOSTE, B.; in colaborare  
cu DUMA, D.; MARTA, M.; CUPSA, V.

Investigations of an ornithosis epizootic in canaries connected with  
human cases. Stud. cercet. inframicrobiol. 12 no.3:347-351 '61.

1. Comunicare prezentata la Institutul de infromicrobiologie al  
Academiei R.P.R. in sedinta din 5 mai 1961.  
(ORNITHOSIS epidemiology)

RUMANIA

OLTEANU, M., Lieutenant-Colonel, Medical Corps; BOERAS, F., Captain, Medical Corps; BANACU, I., Captain, Medical Corps; POLOJINTEV, C., Major, Medical Corps; BAIDAN, N., Captain, Medical Corps; and CUPSA, V., Medical Corps.

"Transplantation of the Artificial Lacrimal Sac (Autografted with a Buccal Mucosa) and Rhinostomy"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 247

Abstract: Data on surgical technic in 5 patients, 2 with congenital absence of the lacrimal ducts and 3 with traumatic lesions thereof; good results confirmed by 3 to 12 months follow-up in 4 cases, 1 failure in a patient in whom poor attachment of the drainage tube brought about obstruction of the newly created duct.

1/1

MOLDOVAN, Silvestru; CRACIUN, Leon, ing.; GURSA, Victor, ing.; POPEANOS, Mircea, ing.

Automatic device for perforating textile tubes of pasteborad.  
Industria ussara 11 no.3:154-155 Mr'64

VASILESCU, V., conf.; CUPSA, Viorica, dr.; ZAHARESCU, Stela, dr.

Some aspects of the biology of hepatic regeneration. Med. intern.  
(Bucur.) 16 no.8:917-926 Ag '64.

1. Lucrare efectuata la Catedra de biofizica Institutul medico-  
farmaceutic, Bucuresti.

Ophthalmology

RUMANIA

LUCACIUC-BRAMBIER, A., Dr, Col, OLTEANU, M., Dr, Lt-Col, CUPSA, V.,  
Dr, PETRE, M., Dr, POLOJINTEV, V., Dr, Maj, and BOERAS, F., Dr,  
Cpt. [affiliation not given]

"Considerations on Eye Injuries in Soldiers Treated at the  
Ophthalmological Section of the Central Military Hospital During  
1963-1964."

Bucharest, Revista Sanitara Militara, Vol 62, No 5, Sep-Oct 66,  
pp 873-876.

Abstract: An analysis of the types of eye injuries affecting  
soldiers treated at the Central Military Hospital in 1963-64.  
Ophthalmological injuries accounted for 10 percent of the  
total number of hospitalized cases, and involved an average  
hospitalization of 15.75 days; the injuries were caused by  
chemical burns, firearm wounds, contusions, etc., and resulted  
in a variety of clinical lesions. Some suggestions relating  
to the prevention of eye accidents are included.

Includes 3 Rumanian references. -- Manuscript submitted  
3 December 1965.

CURATIL G.

"Recompense of labor in vegetable production."

p. 6 (Drumul Belsugului) No. 9, Sept. 1957  
Bucharest, Rumania

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

FURNICA, M.; SPIRIDON, M.; COSTACHEL, O.; VOICULET, N.; POP, I.; CORNECI, I.;  
CRISTESCU, E.; CURBAN, G.

Session of the Circle of Medical Chemistry, Biochemical Institute of  
the Rumanian Academy, and the Bucharest Branch of the Society of Medical  
Sciences; April 3, 1962. Studii cerc biochimie 5 no.3:476-477 '62.

1. Institutul oncologic, Bucuresti (for Furnica, Spiridon, Costachel,  
Voiculet, Pop, and Corneci). 2. Catedra de biochimie I.M.F. (for  
Cristea and Gurban).

BERAR, Ulise, ing.; CURCA, Marcel, ing.

Use of mineralized water for irrigation. Meteorologia hidrol  
gosp 7 no.4:288-295 '62.



CURCANEANU, D.; CURCANEANU, Alexandra; MOLDOVEANU, Elena; IONITA, Dumitra

A chromatographic method for the separation and direct determination of DDT and gamma HCH in a mixture. Studii chim Iasi 12 no.2:251-262 '61.

1. Laboratorul central de cercetari al Combinatului chimic Borzesti.

CURCANEANU, D.; CURCANEANU, Alexandra; MOLDOVEANU, Elena; IONITA, Dumitra

A chromatographic method for the separation and direct determination of DDT and gamma HCH in a mixture. Studii chim Iasi 12 no.2:251-262 '61.

1. Laboratorul central de cercetari al Combinatului chimic Borzesti.

STOJKOV, Nevena, Dr.; CURCIC, Borivoje, dr.

Primary tuberculosis and basilar meningitis. Tuberkuloza,  
Beogr. 8 no.5:282-294 Sept-Oct 56.

1. Univerzitetska decja klinika u Sarajevu (upravnik: prof.  
dr. M. Sarvan).

(TUBERCULOSIS, PULMONARY, in inf. & child  
primary, with basilar meningitis (S1))

(MENINGITIS, in inf. & child  
basilar, with primary pulm. tuberc. (S1))

CURCIC, C.

"Major part of material resources and planes will be handed to basic organizations." p. 3.

"Decisions which will ensure results for light aviation clubs." p. 3.

(Aero Svet. Vol. 3, no. 49, Oct. 1953. Beograd.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.  
Uncl.

JOSIPOVIC, V.; PAPO, I.; CURCIC, M.; FAJGELJ, I.; LUKACEVIC, D.; MIHAILOVIC, D.

Myxoma of the right atrium successfully treated by a surgical method. Acta chir. Iugosl. 10 no.3:261-272 '63

1. Interna klinika B Medicinskog fakulteta u Beogradu  
(Upravnik: prof.dr. R.Berovic), Hirurska klinika (Nacelnik:  
gen. prof. dr. I. Papo) i Institut za radiologiju (Nacelnik:  
puk. prof. dr. M. Curcic) Vojnomedicinske akademije u Beogradu.

CURCIC, Milovan, Pukovnik dr.

Comparative electroencephalographic and angiographic examinations  
in diagnosis of expanding intracranial processes. Voj. san pregl.,  
Beogr. 12 no.7-8:383-390 July-Aug 55.

1. Radioloski institut VMA.

(BRAIN, neoplasms

diag., EEC & cerebral angiography, comparative technic (Ser))

(ELECTROENCEPHALOGRAPHY, in various dis.

brain neoplasms & dis., with angiography, comparative  
technic (Ser))

(ANGIOGRAPHY,

cerebral, with EEC, comparative technic in diag. of brain  
dis. & neoplasms (Ser))

CURCIC, M., Pukovnik doc., dr.

Contrast myelography in the diagnosis of the intervertebral disk prolapse. Voj. san. pregl., Beogr. 12 no.11-12:599-603  
Nov-Dec 55.

1. Radioloski institut VMA.  
(INTERVERTEBRAL DISK DISPLACEMENT, diag.  
contrast myelography. (Ser))  
(MYELOGRAPHY  
contrast, in diag. of intervertebral disk  
displacement. (Ser))

CURCIC, Milovan, Pukovnik doc. dr.

Diagnosis of mediastinal and pulmonary tumors. Voj.  
san. pregl., Beogr. 13 no.1-2:15-17 Jan-Feb 56.

1. Radiloski inst. VMA.  
(MEDIASTINUM, neoplasms,  
diag. (Ser))  
(LUNGS, neoplasms,  
diag. (Ser))



RADOJICIC, Bozidar, Popukovnik dr.; CURCIC, Milovan, Pukovnik doc., dr.

Percutaneous splenoportography. Voj. san. pregl., Beogr. 13.no.  
7-8:349-354 July-Aug 50.

(SPLEEN, radiography  
percutaneous splenoportography (Ser))  
(ANGIOGRAPHY,  
splenoportography, percutaneous (Ser))

CURCIC, Milovan, sanitetski pukovnik prof. dr.; ZAJIC, Zivorad, sanitetski  
potpukovnik dr

Biliary ileus. (Case report). Vojnosanit. pregl. 19 no.9:636-638  
S '62.

1. Vojnomedicinska Akademija u Beogradu, Radioloski institut, Klinika  
za hirurske bolesti.

(INTESTINAL OBSTRUCTION) (CHOLELITHIASIS)

CURCU, Ludovic

A multilateral and valuable exchange of experiences. Munca sindic  
7 no.4:44-45 Ap '63.

1. Secretar al Comitetului Regional al Sindicatelor, Bacau.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Applications - Food Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37909  
Author : Curda, D.  
Inst : -  
Title : The Role on Reductones in Food Products.  
Orig Pub : Prumysl Potravin, 1958, 8, No 11, 607-610

Abstract : The possibilities of application of reductic acid (I) as an antioxidant in the food industry is examined. Reductic acid is formed upon an acid hydrolysis of pectin. (I) is most stable and active in buffer solutions, at pH - 5. Analogous results were obtained with apple and tomato juices. The curves of fermentative oxidation of (I) resemble the oxidation curve of ascorbic acid. By comparison with the latter (I) possesses a higher oxidation-reduction potential, and doesn't act as an

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CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Applications - Food Industry.

CIA-RDP86-00513R00050942

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37909

antioxidant for the ascorbic acid. (I) may be used as an antioxidant for food products, provided the latter are free of ascorbic acid.

Card 2/2

CURDA, Dusan, inz., CSc; HORAKOVA-ZABOJNIKOVA, Eva, inz.; KRATKY,  
Jiri, inz.

Problem of homogenization of fruit and vegetable juices.  
Prum potravin 14 no.11:581-586 N°63.

1. Vysoka skola chemickotechnologicka, katedra konzervaren-  
ske technologie, Praha (for Curda and Horakova-Zabojnikova).
2. Zavody potravinarskych a chladicich stroju, n.p., Pardubnice,  
Vyzkumny ustav, Praha (for Katky).

CURDA, Dusan, inz.; CURDOVA, Marie, inz.; VRANOVSKA, Jirina, inz.

Evaluating the properties of fruit juices. Prum potravin 13  
no.3:159-162 Mr '62.

1. Vysoka skola chemickotechnologicka, katedra konzervarenske  
technologie, Praha.

DOBES, Miroslav, inz.; CURDA, Dusan, inz. CSc.

Study on fruit and vegetable juice extraction by centrifugation. Prum potravin 15 no.4:170-174 Ap '64.

1. Higher School of Chemical Technology, Chair of Canning Technology, Prague.

CURDA, Dusan, inz. CSc.

Main principles of food product protection by wrapping. Prum  
potravin 16 no.2:86-92 F '65.

1. Chair of Canning Technology of the Higher School of Chemical  
Technology, Prague. Submitted October 23, 1964.



CURDA, Miroslav; HOLAS, Jiri

Solubility of chlorine, hydrogen chloride and methyl chloride  
in some solvents. Chem zvesti 14 no.10:547-548 O '64.

1. Association of Chemical and Metallurgical Production, Usti  
nad Labem.

CURDOVA, Eva, inz.

Application of plastics in the Interior National Enterprise.  
Drevo 19 no.5:173-175 My '64.

1. Interior National Enterprise, Prague.

CURDOVA, Marie, inz.; KYZLINK, Vladimir, DrSc.

Stability of the C vitamin and fat in baby food dried by sublimation process. Prum potravin 14 no.10:529-531 0 '63.

1. Vysoká škola chemickotechnologická, katedra technologie konzervarenství, Praha.

CURDA, Dusan, inz.; CURDOVA, Marie, inz.; VRANOVSKA, Jirina, inz.

Evaluating the properties of fruit juices. Prum potravin 13  
no.3:159-162 Mr '62.

1. Vysoka skola chemickotechnologicka, katedra konzervarenske  
technologie, Praha.

KYZLINK, Vladimir; CURDA, Dusan; CURDOVA, Marie

Effect of some antioxidants on the stability of the anthocyanin pigments of sterilized fruit. Sbor potrav VSChT Vol.5, pt.2: 59-79 '61 [publ. '62].

1. Katedra konserverenske technologie, fakulta potravinarske technologie, Vysoka skola chemicko-technologicka, Praha.

ACC NR: AP7003758

SOURCE CODE: CZ/0009/66/000/012/0736/0738

AUTHOR: Curda, Miroslav; Majrich, Antonin; Holas, Jiri; Dvorak, Pavel

ORG: Chemical and Metallurgical Production Corporation (Spolek chemickou a hutní výroby); Research Institute of Chemical Engineering, Usti nad Labem (Vyzkumny ustav chemické techniky )

TITLE: Nickel and stainless steels as structural materials for use in chlorination processes

SOURCE: Chemický průmysl, no. 12, 1966, 736-738

TOPIC TAGS: ~~chromium~~ stainless steel, ~~chromium-nickel~~ ~~stainless~~ steel, ~~stainless~~ steel corrosion, chlorination, ~~medium induced corrosion~~, ~~nickel-molybdenum alloy~~, corrosion rate, carbon steel, structural steel, chromium steel

ABSTRACT: Carbon steel, unalloyed nickel, chromium and chromium-nickel stainless steels and Hastelloy-type alloys were tested for corrosion behavior in several chlorination media such as dry chlorine gas, and various mixtures of chlorine, hydrochloric acid, water vapors, and carbon tetrachloride at temperatures up to 550C. Carbon steel was found to have a relatively low corrosion rate, 1.7 g/m<sup>2</sup>·day, in dry chlorine at 100C but a very high rate, of 2390 g/m<sup>2</sup>·day, at 200C. The presence of water vapors lowered the corrosion rate at 200C to 25 g/m<sup>2</sup>·day. Chromium-nickel-molybdenum steels of the 18-10-2 type had a satisfactory resistance in a gaseous

Cord 1/2

UDC: 66.017:66.094.403:669.24:669.14.018.8

ACC NR: AP7003758

medium containing 80% chlorine and 20% carbon tetrachloride at temperatures up to 300C with corrosion rates not exceeding 8 g/m<sup>2</sup>·day. As in the case of iron, the corrosion rate in the presence of water vapor dropped to 0.2—0.48 g/m<sup>2</sup>·day. Pure nickel and a chromium-nickel molybdenum alloy of the 21-38-5.5 type had, in the same medium, a corrosion rate not exceeding 0.8 g/m<sup>2</sup>·day, with and without water vapors. In a medium consisting of 60% water vapors, 30% hydrochloric acid, 9% carbon tetrachloride, and 1% chlorine at 500—550C, nickel and Hastelloy C-type alloys had a relatively low corrosion rate of 7 and 11—25 g/m<sup>2</sup>·day, respectively. Orig. art. has: 8 tables.

SUB CODE: 11/ SUBM DATE: 18Jun66/ ORIG REF: 001/ OTH REF: 007

Card 2/2

L 00714-67 EWP(j) RM	
ACC NR: AP6019423	SOURCE CODE: CZ/0009/66/000/002/0088/0091
AUTHOR: Curda, Miroslav; Majrich, Antenin; Holas, Jiri	
ORG: Society for Chemical and Metallurgical Production, n. p., Usti nad Labem (Spolek pro chemickou a hutni vyrobu, n. p.)	
TITLE: Titanium as a structural material for production of chlorinated hydrocarbons by chlorinolysis of aliphatic C <sub>1</sub> -C <sub>3</sub> hydrocarbons	
SOURCE: Chemicky prumysl, no. 2, 1966, 88-91	
TOPIC TAGS: hydrocarbon, titanium, chlorinated aliphatic compound, hydrochloric acid, chlorine	
ABSTRACT: Titanium is studied as a structural material for production of chlorinated hydrocarbons by high-temperature chlorinolysis of gaseous aliphatic hydrocarbons. The resistance of the metal to corrosion in the HCl-H <sub>2</sub> O-Cl <sub>2</sub> -CCl <sub>4</sub> system is studied at various temperatures for various ratios of components. Both pure titanium and titanium-lead alloys (9.2% Pb) were tested. The specimens were tested in Erlenmeyer flasks in chlorine water at 20 and 80°C and in hydrochloric acid with and without chlorine saturation at 20°C. The aggressive medium was replenished with gaseous chlorine every 24 hours. Tests were also made in special equipment at temperatures above 100°C for corrosion resistance of lead-free titanium. The results show that chlorine dissolved in hydrochloric acid increases the resistance of titanium to corrosion in this medium.	
Card 1/2	UDC: 669.295 '66.017 547.222 547.412



L 00714-67

ACC NR. AP6019423

5  
A 0.2% lead additive does not improve the corrosion resistance of titanium. The experimental data also show that a film of titanium oxide on the metal surface improves corrosion resistance in hydrochloric acid with and without chlorine saturation. It is shown that repeated exposure in an oxidative medium (chemical passivation) may be used for improving corrosion resistance. This property of titanium is especially important for industrial equipment which operates intermittently, e. g. in emergencies or during periodic repairs of equipment when it is exposed to the effects of humidity and atmospheric oxygen. Titanium may be recommended for equipment to be used with concentrated hydrochloric acid saturated with chlorine at 20 and 80°C and for columns and condensers to be used in a gaseous medium of  $\text{HCl-H}_2\text{O-Cl}_2\text{-CCl}_4$  at temperatures above 100°C where the temperature limit depends on the concentration of water vapor in the given system. We thank Dr. J. Weigner, Engineer, Director of the Laboratory of Organic Chemistry of the Research Institute of Chemical Technology of the Society for Chemical and Metallurgical Production, n. p., Usti nad Labem, for valuable comments, and our coworkers M. Pejškova, J. Buck and M. Dzurenk for their careful work in making the corrosion tests. Orig. art. has: 2 figures, 5 tables.

SUB CODE: 1107/SUBM DATE: 01Aug65/ GTH REF: 005

Card 2/2 vlr

KYZLINK, Vladimir; CURDA, Dusan; CURDOVA, Marie

Effect of some antioxidants on the stability of the anthocyanin pigments of sterilized fruit. Sbor potrav VSGhT Vol.5, pt.2: 59-79 '61 [publ. '62].

1. Katedra konservarenske technologie, fakulta potravinarske technologie, Vysoka skola chemicko-technologicka, Praha.

SURDAN, C.,; PASCU, L.,; WEGENER, M.,; CURE, C.

Preparation of an avian variola vaccine absorbed on  $Al(OH)_3$ .  
Stud. cercet. inframicrobiol., Bucur. 6 no.1-2:131-140 Jan-June 55.

(VACCINES AND VACCINATION  
avian variola vaccine, prep.)  
(SMALLPOX  
avian variola vaccine, prep.)

RUMANIA/Diseases in Farm Animals. Diseases Caused by Viruses  
and Rickettsiae.

R

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21608.

Author : Surdan, C., ~~Cure, C.~~, Wegener, M., Dumitriu, E.  
Inst : Academy of the Peoples Republic of Rumania.  
Title : Epizootiological Study of the Infectious Encephalo-  
myelitis Outbreak Among Silver Foxes.

Orig Pub: Studii si cercetari inframicrobiol., microbiol. si  
parazitol. Acad. RPR, 1956, 7, No 1-2, 101-110.

Abstract: The outbreak of infectious encephalomyelitis in  
foxes caused an extensive epizooty among the animals,  
especially among the young ones in the age group of  
1-3 months. Vectors and distributors of the infection  
were probably adult foxes who have recovered from the  
disease. A virus was extracted from one of the sick

Card : 1/2

RUMANIA/Diseases in Farm Animals. Diseases Caused by Viruses and Rickettsiae. R

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21608.

foxes after his death. By means of serial subarachnoidal inoculations of the extracted virus to dogs (15 to 46 day old puppies), it was possible to adapt it to their nervous system. After 6 subinoculations, infection and death were caused by the inoculations in 100 percent of the puppies. The clinical and pathologic-anatomical characteristics of the process described above correspond to the characteristics of infectious hepatitis in dogs which have been described by Rubart.

Card : 2/2

12

RUMANIA/Diseases of Farm Animals. Diseases Caused by Viruses R  
and Rickettsiae.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 040656.

Author : Surdan, C., Cure, C., Wegener, M., Dumitriu, E.,  
Elefterescu, A., Lozinski, A.

Insta : People's Republic of Rumania Academy of Sciences.

Title : Epizootologic, Clinical, Pananatomic and Experimental  
Aueski Disease Data.

Orig Pub: Studii i cercetari inframicrobiol., microbiol. i parazitol.  
Acad. RPR, 1956, 7, No 3-4, 355-402.

Abstract: The authors have established the fact that the epizooty  
process of the Aueski disease in dogs and cats of Buca-  
rest was caused by raw pork used as food constituting  
the source of the disease. When experimental animals  
were inoculated with the ground lung tissue obtained

Card : 1/3

ROMANIA/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40656.

from just slaughtered healthy pigs, 71.4 percent of them fell sick and secreted viruses. When two strains of the Aueski virus were used in intracerebral inoculations of mice, they caused the animals to become sick (encephalitic syndrome and itch), beginning with the third subinoculation 6 hours after incubation, and after 8 to 16 hours, death of the animals followed. Hematological examination revealed that the afflicted animals are perpetually suffering from leucocytosis. The leucocytic formula was characterized by neutrophilia (88.8 to 92.8 percent), lymphopenia (4.7 to 8.2 percent), eosinophilia and abasophilia, as well as the presence of plasmocytic type cells and changes of the polynuclears and

Card : 2/3

33

RUMANIA/Diseases of Farm Animals. Diseases Caused by Viruses R  
and Rickettsiae.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 80656.

of the monocytes. The following changes were predomi-  
nant in the pathological and anatomical changes of  
the sick animals: hemorrhagic diathesis, hepatitis,  
acute nephritis, myocarditis, nonpurulent lesions of  
the meninges and of the brain, degenerative cytonuclear  
lesions of the sympathetic modules with Hurst's intra-  
nuclear inclusion as well as neurophagic processes.

Card : 3/3



RUMANIA/Human and Animal Morphology- Normal and Pathological. S  
Anomalies of Development and Pathological Anatomy

Abs Jour : Ref Zhur Biol., No 11, 1958, 50437

Author : Surdan, C., Dumitriu, E., Cure, C., Wegener, M.

Inst : -

Title : Anatomicopathological Study of Foxes and Dogs Experimentally or Naturally Infected by the Virus of Encephalomyelitis of Foxes.

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazitol., 1957, 8, No 1, 71-84

Abstract : In 18 cadavers of dark brown foxes the following were found: general hemorrhagic diathesis, hepatitis, cholecystitis, enlargement of the spleen, gastrointestinal catarrh and, histologically, lesions of degenerative reticuloendotheliosis, degenerative changes of the liver, kidneys and adrenals, leptomeningitis, diffuse cortical encephalitis, generalized chromatolysis and dystrophic

Card 1/2

- 54 -

RUMANIA/Human and Animal Morphology- Normal and Pathological.  
Anomalies of Development and Pathological Anatomy

S

Abs Jour : Ref Zhur Biol., No 11, 1958, 50437

changes of neurons: In 35 cadavers of dog pups the following was observed: anemia, icteric discoloration of sclerae and mucosa of the palate, exudates of the cavities, hepatitis and perihepatitis, hemorrhages, cellular infiltrations, as well as trophic lesions in all organs. The changes in the central nervous system were similar to those in foxes.

Card 2/2

CURE, C.

SURDAN, C.; CURE, C.; WEGENER, M.; DUMITRIU, E.

Study of immunisation in inframicrobial infectious fox encephalomyelitis.  
Stud. cercet. inframicrobiol., Bucur. 8 no.3:323-334 1957.

1. Lucrare efectuata in cadrul Institutului de Inframicrobiologie al  
Academiei R.P.R. si al Clinicii de boli contagioase a Facultatii de  
medicina veterinara, Bucuresti.

(ENCEPHALOMYELITIS, EQUINE, immunology

fox epidemic encephalomyelitis, immunizing vaccine, exper.  
study)

(VACCINES AND VACCINATION

fox epidemic encephalomyelitis vaccine, exper. study of  
immun. capacity)

RUMANIA/Virology - Viruses of Man and Animals, Viruses of Hepatitis. E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23869

Author : Surdan, C., Cure, C., Dumitriu-Carol, E.

Inst : -

Title : Investigations of the Virus of Infectious Hepatitis of Dogs.

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazit., 1957, 8, No 4, 527-538

Abstract : The viruses of infectious hepatitis of dogs and infectious encephalomyelitis of foxes are not pathogenic for cats, pigs, horses, sheep, guinea pigs, white rats and mice, golden hamsters, and chicks (young ones). In freezing to - 15°, the viruses preserve virulence for up to 165 days. Lyophilized virus of encephalomyelitis of foxes is preserved for 14 month. Suspensions (20%) of virus-containing organs of dogs and foxes, treated with a 5% solution of carbolic acid under a temperature of 40°,

Card 1/2

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RUMANIA/Virology - Viruses of Man and Animals. Viruses of  
Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23869

preserve their virulence after 23 days. The virus of  
the hepatitis of dogs may be transmitted through glyce-  
rine-carbolic antirabic vaccine, if it is prepared from  
an antigenic mass from dogs sick with hepatitis. --  
Author's resume

Card 2/2

SURDAN, C.; CURE, C.; DUMITRIU, E.; WEGENER, M.

Investigations concerning the relationship of silver fox virus encephalitis to infectious canine hepatitis of Rubarth. Acta virol. Engl. Ed., Praha 3 no.2:115-124 Apr 59.

1. Institute of Virology, Academy of the Rumanian People's Republic, and Infectious diseases clinics, Veterinary Faculty, Bucharest.

(ENCEPHALITIS, pathology,

relation of silver fox virus encephalitis to infect. canine hepatitis)

(HEPATITIS, INFECTIOUS, pathology

relation of infect. canine hepatitis to silver fox virus encephalitis)

SURDAN, C.; DUMITRIU, E.; CURE, C.

Research on the culture of the virus of canine contagious hepatitis on chick embryo. Stud. cercet inframicrobiol., Bucur. 10 no.2:143-153 '59.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R., in sedinta din 24 martie 1958.  
(VIRUSES, culture)

SURDAN, C.; DUMITRIU-CAROL, E.; CURE, C.; ANGELESCU, N.

Contribution to the study of neuro-paralytic complications after  
anti-rabies vaccination in dogs. Stud. cercet. inframicrobiol.,  
Bucur. 11 no.2:273-286 '60.  
(VACCINATION compl.)  
(RABIES immunol.)



RUMANIA/General and Special Zoology. Insects

P-2

Abs Jour : RefZhur - Biol., No 15, 1958, No 6:735

Author : Botnariuk N., Cure, Victoria

Inst : -

Title : New Tendipedidae Larvae in the Fauna of Rumania

Orig Pub : An. Inst. cercetari piscic., 1956, 1(4), 257 271

Abstract : A description of seven new Rumanian Species according to their larvae.

Card : 1/1

*Cure V.*  
APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R000509

Rumania /Chemical Technology. Chemical Products  
and Their Application  
Water treatment. Sewage water.

H-5

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1807

Author : Malacea I., Raciviceanu R., Cure V., Dragosanu  
Sit.

Title : Preliminary Investigations of the Pollution of  
the Rivers Birsa, Vulcanita and Olt by Sewage  
Water of the Paper and Cellulose Plant at  
Zarnesti.

Orig Pub: Bul. inst. cercetari piscicole, 1956, 15, No 3,  
66-76

Abstract: Sewage water has a detrimental effect on pisci-  
culture and on the sugar refinery located nearby.  
It is recommended fully to utilize the sulfite  
liquors, to remove the cellulose fibers and im-

Card 1/2

Rumania /Chemical Technology. Chemical Products  
and Their Application  
Water treatment. Sewage water.

H-5

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1807

prove operation of the available installations  
for the purification and neutralization of the  
sewage water.

Card 2/2

BOTNARIUC, N.; CURE, V.

Associations of larvae of Chironomidae of the Danube River delta and  
the geomorphologic evolution of the delta. Polskie arch hydrobiol 6:  
9-32 '59. (EEAI 9:8)  
(Rumania--Chironomidae) (Danube River)

CURE, Victoria

Contributions to the knowledge of the Tenebrionidae (larvae) in  
the Rumanian sector of the Danube. Studii cerc biol anim 15  
no.2:247-272 '63.

1. Comunicare prezentata de Th. Busnita.

MALACEA, I.; CURE, V.; WEINER, L.

Contributions to the knowledge of the noxious action of crude oil  
naphthenic acids, and phenols on certain fish and on the crustacean  
*Daphnia magna* Straus. Studii prot epur apelor 5:353-405 '64.

CRECU, I.; HANDELSMANN, V.; CUREA, E.

Contributions to the study of the reducing action of some organic compounds upon certain ions. I. Action of cryogenin and isoniazid upon the ions  $\text{Fe}^{3+}$ ,  $\text{Sb}^{3+}$ ,  $\text{Bi}^{3+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Hg}_2^{2+}$ ,  $\text{Hg}^{2+}$ ,  $\text{Ce}^{4+}$ ,  $\text{Au}^{3+}$  and  $\text{Ag}^+$ . Studii cerc chimie Cluj 10 no.2:299-304 '59. (EEAI 9:9)

I.M.F. Cluj - Facultatea de farmacie, Catedra de chimie anorganica.

(Silver)	(Organic compounds)	(Ions)
(Carbamoylphenylsemicarbazide)	(Isoniazid)	(Iron)
(Antimony)	(Bismuth)	(Copper)
(Cerium)	(Gold)	(Mercury)

L 30135-66

ACC NR: AP6020357

SOURCE CODE: RU/0003/65/016/008/0389/0390

AUTHOR: Grecu, I.; Curea, E.

ORG: Department of Pharmacy, Laboratory of Inorganic Chemistry, Cluj (Facultatea de farmacie, Laboratorul de chimie anorganica)

TITLE: Contributions to the study of dihydrazinophthalazine sulphate determination

SOURCE: Revista de chimie, v. 16, no. 8, 1965, 389-390

TOPIC TAGS: sulfate, hydrazine derivative, photometric analysis, silver compound

ABSTRACT: The authors describe two simple and rapid methods for the determination of Hipopresol (the Rumanian form of the drug). The volumetric method is based on the reaction of an excess of silver nitrate with the substance to be tested, followed by back titration of the silver nitrate solution with a solution of  $\text{NH}_4\text{SCN}$  in the presence of iron alauun and ammonia. The photometric method is based on the formation of a yellow coloring formed in acid medium by the reaction of dihydrazinophthalazine sulphate with a solution of ammonium molybdate. Orig. art. has: 4 figures and 2 tables. [JPRS]

SUB CODE: 07 / SUEM DATE: none / OTH REF: 006

Cord 1/1 CC

GRECU, I.; CUREA, Elena

Metallic thiocyanates of isonicotinic acid hydrazide. Pt. 5.  
Rev chimie Min petr 13 no.3:162-163 Mr '62.



RUMANIA

N GRECU, I.; CUREA Elena.

Inorganic Chemistry Laboratory, Institute of Medicine and  
Pharmacy, Cluj (Laboratorul de chimie anorganica, I.M.F.,  
Cluj) - (for all)

Bucharest, Farmacia, No 1, Jan 1964, pp 7-12

"Complex Compounds of Isonicotinic Acid Hydrazide (X).  
Mercury Tetrathiocyanates of Metallic Isonicotinyl-  
hydrazine Compounds."

CUREA, I.

A special type of superficial seismic waves. Studii astron seismol  
5.no.1:17-23 '60. (EEAI 10:3)

1. Comitetul de redactie, Studii si cercetari de astronomie si  
seismologie.  
(Seismic waves)

S/169/62/000/009/009/120  
D228/D307

AUTHOR: Curea, I.

TITLE: Recent earthquakes in Banat

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 19, abstract 9A125 (Studii și cercetări astron. și seismol., 6, no. 2, 1961, 287-292 (Rum; summaries in Russ. and Fr.))

TEXT: The earthquakes that occurred in Banat on October 1, 1956, September 22, 1957, and May 27, 1959, are investigated.. These earthquakes were also felt in Timișoar. Maps of the isoseismals of each earthquake are given. The strongest of them (the last one) had an intensity of 8. / Abstracter's note: Complete translation. \_7

Card 1/1

CUREA, I.; JURA, C.

Realization of a metallic cupola for the Astronomic Observatory of Timisoara. Studii astron seismol 7 no.2:191-198 '62.

1. Membru al Comitetului de redactie, "Studii si cercetari de astronomie si sesmologie" (for Curea).