

CARAMAN, P.

Some observations on Kasner's circle. Studii mat Iasi 14  
no. 2:279-286 '63.

L 41675-65 EWT(d) IJP(c)  
ACCESSION NR: AP5008977

R/0021/65/010/002/0171/0209

5  
7  
B

AUTHOR: Caraman, P.

TITLE: Some properties of quasiconformal representations of E-sub n, I, II

SOURCE: Revue Roumaine de mathematiques pures et appliquees, v. 10, no. 2, 1965, 171-209

TOPIC TAGS: quasiconformal representation, dilatation module, homeomorphism Jacobian

ABSTRACT: This article first presents two parts of an extended paper on quasiconformal representations which in its last part, yet to be published, will discuss quasi-conformal differentiable representations. While quasi-conformity represents an extension of conformity, it may also be considered an extension of differentiability. Actually, one of the important properties of differentiable representations is the transformation of infinitesimal ellipsoids into other infinitesimal ellipsoids in the sense of differential geometry. The first part is mostly concerned with dilation modules

$$\left| \frac{\partial f(t_0)}{\partial s} \right| = \lim_{(t-t_0) \rightarrow 0} \frac{|f(t) - f(t_0)|}{|t - t_0|} \quad (1a)$$

Card 1/2

L 41675-65

ACCESSION NR: AP5008977

and extreme dilation

$$\lambda_1(t_0) = \lim_{t \rightarrow t_0} \frac{|f(t) - f(t_0)|}{|t - t_0|} \quad \text{and} \quad \lambda_2(t_0) = \lim_{t \rightarrow t_0} \frac{|f(t) - f(t_0)|}{|t - t_0|}$$

Next, the Jacobian of homeomorphism  $T = f(t)$  is discussed; the author then shows that the Q-quasi-conformal class of homeomorphisms (which he defines in this article) is included within the K-quasi-conformal representation due to Jussi Vaisala (Ann. Acad. Fenn. Ser. I.A, 1961, 298). The proof is actually carried out by means of an inequality which verifies the module of the Q-quasi-conformal homeomorphism. Orig. art. has: 25 theorems and 162 formulas.

ASSOCIATION: Institut de Matématiques, Jassy (Institute of Mathematics)

SUBMITTED: 17Jun63

ENCL: 00

SUB CODE: MA

NO REF SOV: 009

OTHER: 018

Card 2/2 *mc*

CARAMAN, Petru

Some properties of the  $n$ -dimensional quasi-conform representations.  
Studia cerc mat 17 no.1:49-82 '65.

1. Institute of Mathematics of the Rumanian Academy, Iasi Branch.  
Submitted January 13, 1964.

CARAMAN, V.

"Hog cholera; a disease with grave consequences."

p. 7 (Drumul Beslugului) No. 6, June 1957  
Bucharest, Rumania

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

SURDAN, C.; CARAMAN, V.; SORODOC, G.; BERCAN, A.

An anatomic and clinical study of enzootic viral pneumonia in swine.  
Studii cerc inframicrobiol Special issue-supplement to 12:335-353  
'61.

1. Institutul de inframicrobiologie al Academiei R.P.R.

(VIRUS DISEASES) (VETERINARY MEDICINE)  
(PNEUMONIA)

Excerpta Medica Sec 7 Vol 9/5 May 55 Pediatric

1140. CARAMAN Z., POLINGHER B. and SOLOMONOVICI A. Clin. de Neurol, Iași. Parotidita epidemică cu manifestări strio-palidale. Epidemic parotitis with strio-pallidal manifestations PEDIATRIA (București) 1954, 1 (39-45)

Description of a case of epidemic parotitis in a 12-year-old boy, complicated by orchitis and encephalitis and characterized by sleeping disturbances, oculogyric crises, Parkinsonian and pseudobulbar phenomena, athetotic and choreic movements, bizarre motor stereotypy without psychical or intellectual disturbances, and atrophy of the muscles of the right thoracic girdle, which was the only remaining symptom.

Anjo - Viseu

EXCERPTA MEDICA Sec 8 Vol 12/5 Neurology May 59

2396. BORNHOLM MYOSITIS, EXTRAPYRAMIDAL SYNDROME, PSYCHOMOTOR AGITATION AND PEDUNCULAR HALLUCINOSIS WITH ISOLATION OF COXSACKIE VIRUS FROM THE FAECES AND POSITIVE NEUTRALIZATION REACTION FOR COXSACKIE VIRUS IN THE SERUM - Miozită Bornholm, fenomene extrapiramidale, excitație psihomotoare și halucinoză pedunculară cu examenul coprovirusologic și testul de neutralizare pozitive pentru virusul Coxsackie - Caraman Z., Pendefunda Gh., Critico A., Duca M., Duca E. and Tomescu E. Clin. Neurol., Iași - NEUROLOGIA (București) 1958, 3/6 (507-510)

Report of a case in a woman aged 34 yr. In addition to myalgia and generalized muscular weakness and atrophy, the patient showed extrapyramidal symptoms, insomnia, agitation and peduncular hallucinosis. The CSF was normal. The faeces contained Coxsackie virus, and the serum gave a positive Coxsackie virus neutralization test. Waterman - Amsterdam (L,8)



CARAMAN, Zoe, conf.; PENDEFUNDA, Gh., dr.

Considerations on "mirror" writing. Peculiarities found in various cases. Neurologia (Bucur) 10 no.11-9 Ja-F'65.

1. Lucrare efectuata in Clinica de neurologie, Iasi.

CARAMAVRU, Nicolaie, ing.

Longitudinal stability of wheeled tractors. Metalurgia  
constr mas 14 no.9:834-837 S '62.

1. Facultatea de mecanizare a agriculturii, Craiova.

BERINDEAN, V.; CARAMAVRU, N.; TRUSCULESCU, M.; FERENCZ, A.

Study of the combustion process of the tractor self-  
ignition engine with mixed feeding, gas oil and liquefied  
petroleum gas. Bul St si Tehn Tim 8 no.1:85-93 Ja-Je '63.

MUNTEANU, G.; SISAK, S.; PARPALA, V.; CARAMIHU, D.; INTA, I.

Contributions to the study on the variation of the  $\beta$   
activity of vegetation with the place of collection.  
Studii cerc fiz 15 no. 5:591-600 '64.

1. Polytechnic Institute, Brasov.

CARAN, Vladimir

SURNAME, Given Names

(2)

Country: Czechoslovakia

Academic Degrees: Graduated Physician (Promovany lekar)

Affiliations: Okres Institute of Public Health (Okresny ustav narodneho zdravia),  
Krupina; Okres Internist D. DIMITROV, MD

Sources: Prague, Prakticky Lekar, Vol 41, No 9, 1961, pp 397-400.

Data: "Suspect C Viroses in the Practice of a District Physician."

12

GPO (1964)

OBREJANU, Grigorij, akademik; CARANACHE, A., prof.

Physical properties of soils of the depressions of the East  
Rumania Valley. Rost vyroba 9 no. 12: 1247-1258 D '63.

1. Akademie ved Rumunske lidove republiky, Bukurest.

ANGELESCU, M., dr.; PEREDERI, S., dr.; CARANICA, Cornelia, dr.

Pyocyanic septicemia cured with aminosidin. Med. intern. 15  
no.4:499-505 Ap '63.

1. Lucrare efectuata in Clinica I de boli infectioase, I.M.F.,  
Bucuresti (director: prof. M. Voiculescu).

(PSEUDOMONAS INFECTIONS)

(PSEUDOMONAS AERUGINOSA)

(SEPTICEMIA) (ANTIBIOTICS)

CARAPANEA, Mihai; SIMIONESCU-CARAPANEA, Silvia; POPESCU, Ion

Role of the nervous system in the mechanism of reflexes of ocular origin. Bul.stiint., sect.med. 6 no.4:769-812 Oct-Dec. '54.

(REFLEX,

ocular, regulation by nerv.system)

(GANGLIA AUTONOMIC

ciliary, excitation causing ocular reflexes)



CARAPANEA, M.

EXCERPTA MEDICA Sec.12 Vol.10/12 Ophthalmology Dec 56

1863. CARAPANEA M. Inst. Fiziol. Norm. și Patol., București. Acțiunea trinitrinei asupra vaselor retiniene hipertensive ca test de indicație operatorie în hipertensiunea arterială generală. The action of trinitrine on the retinal vessels in hypertension as a test for the indication for operation in general arterial hypertension  
REV. FIZIOL. NORM. PATOL. 1955, 2/4 (101-103)

Atropine causes a temporary return to normal of the retinal arterioles when they are in a state of fine spasm, slightly dilates finely sclerosed arterioles but has no influence on arterioles that are definitely sclerosed. It is thus a useful indicator for the surgical treatment of general hypertension. Graur - Bucharest

CARAPANCA - M

RUMANIA/Human and Animal Physiology. Sensory Organs.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36944.

Author : Carapanca, M., Simionescu, S.

Inst :

Title : Ophthalmoscopic Investigation of Experimental Hypertension of Normal Retinal Vessels. I-Hydro-mechanical Excitation. II - Hydro-mechanical Excitation at Variable Temperatures. III - Thermal Excitation.

Orig Pub: Studii si cercotari fiziol Acad. RPR, 10, 1956, 1, No 3-4, 459, 462.

Abstract: No abstract.

Card : 1/1

127

CARAPANCI M.

Country : ROMANIA  
Category : Human and Animal Physiology. T  
Blood Circulation, Vessels.  
Abs. Jour. : Ref Star-Biol., No 23, 1956, 106455  
Author : Carapanca, Mihai; Simionescu-Carapanca,\*  
Institut. : AS RUMUNIA.  
Title : The Role of the Nervous System in the Mechanism  
of the Retina's Vasa Dynamics. Examination Me-  
thods Based on Non-Specific Pharmac-Dynamics.  
Orig Pub. : Studii si cercetari fiziol. Acad. RFR, 1957, 2,  
No 1-2, 233-237  
Abstract : Strychnine, eserine, atropine, pilocarpine, ben-  
zodrine, and adrenalin produce changes in the  
dynamics of retina arterioles. These changes  
are identical with changes observed in eclamp-  
sia. The latter changes consist in vasomotor  
disturbances of the brain and the retina, as  
well as of motor disturbances. As vasa dyna-  
mics of the retina return to normal, the gene-  
ral tonus becomes restored. Chloral hydrate re-  
duces the reactivity of nerve centers, a fact

"Sylvia; Nicolae, Constantine Voinea, Romania

Country : ROMANIA  
Category= : Human and Animal Physiology.      m  
              Blood Circulation. Vessels.  
Abs. Jour. : Ref Abstr-Biol., No 23, 1958, 106455  
Author :  
Institut. :  
Title :  
Orig. Pub. :  
Abstract :  
(cont)      which has been proved experimentally as well as  
              clinically in eclampsia treatment. -- From the  
              authors' summary.

Card:            2/2

CARAPANCREA, M.; SIMIONESCU-CARAPANCREA, Silvia

The dynamic mechanism of the musculatures: pericocular, arteriolar-retinal and irinic, studied by nonspecific pharmacodynamic methods. V. Research on the dynamics of these musculatures by the action of the substances: strychnine, eserine, atropine, pilocarpine, benzedrine, and adrenaline on stable mydriasis, of central origin, provoked by a chloride-sodic isotonic solution at the animal's temperature, subdurally injected. Studii cerc.fiziol. 4 no.3:377-383 '59.

(IRAI 9:5)

(EYE) (STRYCHNINE) (PHYSOSTIGMINE) (ATROPINE) (PILOCARPINE)  
(METHYLPHENETHYLAMINE) (ADRENALINE) (SOLUTIONS) (SALT)

CARAPANCEA, M.; SIMIONESCU-CARAPANCEA, Silvia

The dynamic mechanism of the musculatures: periocular, arteriolar-retinal, and irinic, studied by nonspecific pharmacodynamic methods. Note VI. Hypothesis on the glaucomatous mydriasis; suggestions on the treatment of glaucomatous mydriasis: suggestions on the treatment of glaucoma with myotics. Studii cerc fiziol 4 no.4:553-558 '59.  
(EEAI 9:9)

1. Institutul de fiziologie normala si patologica "Prof. Dr. D.Danielopolu" al Academiei R.P.R.  
(EYE)  
(GLAUCOMA)

CARAPANEA, M.; SIMIONESCU-CARAPANEA, Silvia; PETRESCU, D.; BOROS, I.

Ocular modifications in the nonparaphylactic acetylcholinic and the  
paraphylactic shocks. Studii cerc fiziol 5 no.1:147-152 '60.

(EEAI 9:12)

1. Institutul de fiziologie normala si patologica " Prof. Dr.  
D.Danielopolu" al Academiei R.P.R.

(EYE) (SHOCK THERAPY) (ACETYLCHOLINE)  
(ATROPINE) (MILK)

CARAPANCEA, M.; SIMIONESCU-CARAPANCEA, Silvia

Influence of hypobarism upon the iris dynamics and the retinal and choroid vessels. Studii cerc fiziol 5 no.1:153-158 '60. (EEAI 9:12)

1. Institutul de fiziologie normala si patologica "Prof. Dr. D.Danielopolu" al Academiei R.P.R.

(IRIS (EYE)) (RETINA) (CHOROID)  
(ATMOSPHERIC PRESSURE) (BLOOD VESSELS)



CARAPANEA, M.; SIMIONESCU-CARAPANEA, Silvia

Action of the substances considered activating in nonspecific pharmacodynamics upon visceral reflexes with the starting point at the ophthalmic (ciliary) ganglion. Note I. Action of eserine upon the ciliovascular and cilliorespiratory reflexes. Studii cerc fiziol 5 (EEAI 10:2) no.2:411-419 '60.

1. Institutul der fiziologie normala si patologica "Prof. Dr. D.Danielopolu" al Academiei R.P.R.

(PHARMACOLOGY) (REFLEXES) (VISCERA)  
(CILIA AND CILIARY MOTION) (NERVES) (EYE)  
(PHYSOSTIGMINE). (BLOOD VESSELS) (RESPIRATORY ORGANS)

CARAPANCEA, Mihai

Bio-architectonic concordance between the corneal transplant and the host cornea as an indispensable factor for the perfect functional integration of the transplant in partial keratoplasty. Rumanian M Rev. no.1:96-102 Ja-Mr '61.

1. The "Prof. Dr. D. Danielopolu" Institute of Normal and Pathological Physiology, Academy of the R.P.R. Director: Acad. Prof. Gr. Benetato.  
(CORNEAL TRANSPLANTATION)

CARAPANCEA, M.; POPESCU, M.; PINTILIE, I.; STOIAN, M.; STEFAN, M.

Some angiodynamic aspects of retina under hypobaric conditions in high-altitude pilots. Studii cerc fiziol 6 no.2:343-351 '61.

1. Institutul de fiziologie normala si patologica "Prof. Dr. D. Danielopolu" al Academiei R.P.R., Catedra de fiziologie I.M.F. Bucuresti si Central medical de aviatiei.

(BLOOD VESSELS) (RETINA)

CARAPANCEA, M.

Experimental anatomo-physio-pathological mechanisms of the ocular  
action of quinine. Rev. sci. med. 7 no.1/2:29-31 '62.  
(QUININE) (EPINEPHRINE) (RETINA)

~~GARAPANCEA, M.~~; POPESCU, M.; PINTILIE, I.; STOIAN, M.; TEODORESCU, V.;  
STEFAN, M.

Modifications of visual accomodations under the conditions of hypo-  
barism in the high-altitude pilots. Studii cerc fiziol 6 no.1:  
129-139 '61. (EEAI 10:9)

1. Institutul de fiziologie normala si patologica "Prof. Dr. D.  
Danielopolu" al Academiei R.P.R., Catedra de fiziologie a Institutu-  
lui de medicina si farmacie Bucuresti si Centrul medical de aviatie.

(EYE) (ATMOSPHERIC PRESSURE) (ALTITUDE, INFLUENCE OF)

CARAPANCEA, M.; VRINCEANU, R.; CORNEANU, Maria; REPTA, V.; BOBIC, D.;  
NEAGU-VALEANU, Georgeta

Modifications of the electroretinogram in the phenomenon of general  
fatigue. Studii cerc fiziol 6 no.1:115-127 '61.

(EEAI 10:9)

1. Institutul de fiziologie normala si patologica "Prof. Dr. D.  
Danielopolu" al Academiei R.P.R. si Directia medicala C.F.R.

(ELECTRORETINOGRAM) (FATIGUE)

SURDAN, C.; ATHANASTU, Pierette; PETRESCU, Al.; BAES, V.; STEGANESCU, Ileana; COPELOVICI, Yolanda; NICOLAU, St.S; CARAPANCEA, M.

Investigations of the role of rickettsial and para-rickettsial infections in human eye diseases. Stud. cercet. inframicrobiol. 15 no.5:447-454 '64.

CARAPANCEA, M.; POPESCU, M.

Phenomena and mechanisms of disequilibrium of homeostasis of  
retinal tension in ocular accommodative strain. Stud. cercet.  
de fiziol. 10 no.2:179-181 '65.



CARAPANCEA, M.; POPESCU, M.; MOCODEANU, Justina.

Increase of sodium in the aqueous humor under the influence of hypobaric conditions as a mechanism of intraocular hypertension at high altitudes. Stud. cercet. de fiziol. 10 no.28 183-191 '65.

ACCESSION NR: AF4017961

X/0001/64/000/003/0507/0512

AUTHOR: Vojinovic, Mirko (Engineer); Carapic, Miodrag (Engineer)

TITLE: Safety systems for gas-cooled graphite-moderated reactors

SOURCE: Tehnika, no. 3, 1964, 507-512

TOPIC TAGS: safety amplifier channel, low-level flux, high-level flux, pressure variation, power plant safety system, log channel, counter channel, safety circuit, graphite-moderated reactor, gas-cooled reactor, reactor safety system

ABSTRACT: The article is a review of safety systems for gas-cooled graphite-moderated reactors. It describes the basic requirements for safety circuits and systems, the parameters and channels usually used in systems for gas-cooled graphite-moderated reactors, and the circuits of power plant safety systems. Reasons are given for adopting 2 out of 3 majority logic as the basis for safety systems. A section on parameters treats devices for measuring high- and low-level flux, temperature, velocity of pressure variation, and gas flow. Counter channels, low-level and high-level channels, and safety amplifier channels are reviewed. The final section describes circuits and gives block diagrams for all of these systems. Orig. art. has: 6 figures.

Card 1/2

ACCESSION NR: AP4017961

ASSOCIATION: Institut za nuklearne nauke "Boris Kidric", Belgrade-Vinca  
(Institute for Nuclear Sciences)

SUBMITTED: 16Nov63

DATE ACQ: 12Mar 64

ENCL: 00

SUB CODE: NS

NO REF SOV: 000

OTHER: 007

Card 2/2

CARARE, A.

54

Bachmann, Z. Praxis, Vol. VIII, No. 21, 1971, p. 61.

1. "Indications and Limitations of Antibiotic Therapy in Tuberculosis," Conf. C. WHO, 1956, pp. 133-136.
2. "Contributions to the Investigation of the Factors Responsible for the Failure of Chemotherapy in Pulmonary Tuberculosis," Int. J. Tubercul. Lung Dis., 1954, 1: 1-14.
3. "Klinische Erfahrungen mit Streptomycin bei Tuberkulose," Monatsschrift für Kinderheilkunde und Gynäkologie, 1952, 102: 1-11.
4. "Klinische Erfahrungen mit Streptomycin bei Tuberkulose," Monatsschrift für Kinderheilkunde und Gynäkologie, 1952, 102: 1-11.
5. "Comparative Values of Ethambutol Hydrochloride in the Treatment of Tuberculosis," Conf. C. WHO, 1956, pp. 133-136.
6. "Comparative Values of Ethambutol Hydrochloride in the Treatment of Tuberculosis," Conf. C. WHO, 1956, pp. 133-136.
7. "The Effectiveness of Streptomycin in the Treatment of Tuberculosis," Conf. C. WHO, 1956, pp. 133-136.

BUMBACESCU, N., prof.; CARARE, Aurora, dr.; CUCU, P., dr.; ARM/SU, C., dr.;  
PAUN, Maria, dr.

Impression smear method in the cytological diagnosis of broncho-  
pulmonary diseases. Med. intern. 14 no.1:89-96 Ja '61.

1. Lucrare efectuata in Clinica fiziologica, Iasi (director: prof.  
N. Bumbacescu).

(LUNG NEOPLASMS diagnosis) (BRONCHI neoplasms)  
(CYTODIAGNOSIS)

BUMBACESCU, N.; CARARE, Aurora; CUCU, P.; ARMASU, C.; PAUN, Maria

Impression preparations in the cytological diagnosis of broncho-  
pulmonary disease. Rumanian med. rev. no.2:29-40 '62.  
(LUNG DISEASES)

RUMANIA 2

BUMBACESCU, N., Professor; CUCU, P., MD.; CARARE, Aurora, MD.

Clinic for Pulmonary Diseases, Iasi (Clinica de ftiziologie - Iasi)  
- (for all)

Bucharest, Viata Medicala, No 15, 1 Aug 63, pp 1027-1033

"Conditions for the Early Diagnosis of Bronchopulmonary Cancer."

HUMANIA/Human and Animal Physiology. Blood Circulation.  
General Problems.

T

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93184.

Author : Carare, H., Balan, M.

Inst : AS Rumanian P.R.

Title : Parabolic Manifestations in Regulation of Blood  
Pressure and Respiration with Stimulation of Chemore-  
ceptors of Muscles. Mechanism of Their Origin.

Orig Pub: Studii si cercetari stiint. Acad. RPR Fil. Iasi. Med.,  
1956, 7, No 1, 59-75.

Abstract: With repeated stimulation of chemoreceptors of per-  
fused muscles of dog extremities with a 10% KCl solu-  
tion there was initially observed an increase in ar-  
terial pressure and amplitude of the respiratory move-  
ment, and later on a change was noted in the normal

Card : 1/2



RUMINIL/ Human and Animal Physiology. Blood Circulation.  
General Problems.

2

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93184.

relationships between the intensity of the reaction and the injected dose (balanced and paradoxical phases), inversion of the reaction, and complete cessation (inhibition phase). In several cases further stimulation led to reestablishment of excitability. With a variation in the functional state of the centers (deepening of chloralose anesthesia), the character of the reactions changed. The authors assume that paralytic changes in the regulatory centers of circulation and respiration were connected with the change in rhythm of the activity of the chemoreceptors which were subjected to stimulation. -- From the author's abstract.

Card : 2/2

47

✓ Physiopathological studies of the hypertonic disease:  
 muscular vasopressor chemoreceptors. V. Răscanu, N.  
 Cărnău, and D. Dorogan. *Lead. rep. populara Romina, Bul.*  
*Med. Sci. Ser. Biol. Sci., No. 1, 23-35 (1950).* The authors  
 have shown the presence of chemoreceptors in the muscular  
 body, by perfusion of an isolated muscle connected with  
 the rest of the body, only by its nerves. The expts. con-  
 sidered substances from the cycle of biochem. transforma-  
 tion of the organism (acetylcholine, adrenaline, histamine,  
 nicotinic acid, lactic acid, CO<sub>2</sub>, KCl). All these substances  
 injected intravenously enhance the arterial tension, while  
 the acetic acid acts as a depressant. Procaine inhibits the  
 action of these substances. Marthe Arco

*Rest*

(Hypertension, physiology,  
 musc. chemoreceptors with vasopressor action)  
 (muscles, innervation  
 chemoreceptors with vasopressor act., role in  
 physio-pathol. of hypertension)  
 (nerve endings  
 chemoreceptors of musc. vasopressor action in  
 physio-pathol. of hypertension)

RUMANIA/Human and Animal Physiology - (Normal and Pathological). T  
Blood Circulation. Blood Pressure. Hypertension.

Orig Pub : Ref Zhur Biol., No 4, 1959, 17488

Author : Rascanu, V., Carare, N., Dorogan, D., Baran, Tr.

Inst : Academy of Sciences, RPR

Title : Materials on Pathophysiology of Hypertension: Neurodynam-  
mic Disorders in Neurogenic Stage.

Orig Pub : Bul. stiint. Acad. RPR, Sec. med., 1956, 8, No 4, 889-  
906

Abstract : In patients in a neurogenic stage of hypertension, there  
were observed a decrease of values of subordinational  
chronaxy of antagonist muscles, disturbance of their  
relationship, which reached 9.3, as well as change of  
correlation of chronaxia of muscles with equal function.  
These disturbances are induced by increased excitability

Card 1/2

- 46 -

RUMANIA/Human and Animal Physiology - (Normal and Pathological). T  
Blood Circulation. Blood Pressure. Hypertension.

Abs Jour : Ref Zhur Biol., No 4, 1959, 17488

of the cerebral cortex, which leads to irradiation of the stimulating impulses which reach it. In patients, the pletysmographic reaction changed at the time of voluntary movements (Atanasiu reaction), which reflected the disturbance of cortex-subcortical dynamics. -- I.M. Sheyman

Card 2/2

CARARE, N.; BALAN, M.; STEFAN, I.; CIUREA, Elena

The action of the cerebellum and cerebral cortex on pressure-regulating and respiratory interoceptive responses; functional relationships.  
Rumanian M Rev. no.1:103-104 Ja-Mr '61.

1. Laboratory of Physiology, Director: Acad. Prof. V. Rascanu.  
Institute of Medicine, Jassy.

(CEREBELLUM physiology)

(CEREBRAL CORTEX physiology)

(RESPIRATION physiology)

(BLOOD PRESSURE physiology)

CARARE, O.

"The role of technoeconomic utilization indicators in the management of fixed assets in forest husbandry." p. 34. (REVISTA PADURILOR, Vol. 68, no. 8, Aug. 1953, Bucaresti, Rumania)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 4, April 1954, Uncl.

CARARE, O.

"Essential correlation in studying the process of work in forestry." p. 32. (REVISTA PADURILOR, Vol. 68, no. 12, Dec. 1953, Bucuresti, Rumania)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 4, April 1954, Uncl.

CAHARE, O.

"Principles for adapting, using, and extending the method of Engineer Kovaliov in silviculture". p. 229, (REVISTA PADURILOR, Vol. 09, No. 5, May 1954, Bucuresi, Rumania)

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.



CARARE, O.

"Some problems of forest economy in providing agriculture with wood material. p. 553. (REVISTA PADURILOR, Vol. 69, no. 12, Dec. 1954. Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC.  
Vol. 4, No. 5, May 1955, Uncl.

CARARE, O.

"B. Defour's *Inovatii si metode Stahanoviste in gospodaria silvica* (Innovations and Stakhanovite Methods in Silviculture) and G. Nechiti's *Padurile, marea noastra bogatie nationala* (Forests, Our Great National Wealth); two book reviews. p. 571. (REVISTA PADURILOR, Vol. 69, no. 12, Dec. 1954. Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), IC.  
Vol. 4, No. 5, May 1955, Uncl.

CABARE, O.

Functions of the forest economy in the system of social production. p. 542.

REVISTA PADURILOR. (Asociatia Stiintifica a Inginerilor si Technicienilor din  
Romania si al Ministerului Agriculturii si Silviculturii) Bucuresti.

Vol. 70, no. 11, Nov. 1955.

So. East European Accessions List

Vol. 5, No. 8

August, 1956

CARARE, O.

Economic characteristics of forest investments. p. 244. REVISTA  
PADURILOR. (Asociatia Stiintifica a Inginerilor si Technicienilor din  
Romina si al Ministerului Agriculturii si Silviculturii) Bucuresti.  
Vol. 71, no. 4, Apr. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

~~CARARE, O.~~

AGRICULTURE

Periodicals: REVISTA PADURILOR. Vol. 73, no. 11, Nov. 1958

CARARE, O. Exchange of experience between Hungarian and Rumanian silviculturists. p. 689.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 2,  
February 1959, Unclass.

CARARE, T.; Amzulescu, C.

Calculation of frames of the shedtype by means of equations with finite differences.  
p. 189.

(STUDII SI CERCETARI DE MECANICA APLICATA. Vol. 8, no. 1, Jan/Mar. 1957,  
Bucuresti, Rumania)

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

CARARE, T., ing.; DINULIU, Rodica, ing.

Improved steels for reinforced and prestressed concretes assimilated  
or in course of assimilation in Rumania. Rev constr si mat constr  
16 no.10:518-523 0 '64.

L 2855-66 EPF(c)/T/ WE  
ACCESSION NR: AP5026376

RU/0007/65/016/002/0095/0100

AUTHOR: Tunescu, R. C.; Caras, R.

TITLE: Synthetic zeolites in the petroleum refining and processing industry

SOURCE: Petrol si gaze, v. 16, no. 2, 1965, 95-110

TOPIC TAGS: zeolite, fuel octane rating, petrochemistry, gasoline, distillation

Abstract [Authors' English summary modified]: "After a brief summary of the characteristics and principal uses of synthetic zeolites, the authors describe the preparation of synthetic zeolites of the 4A and 5A types and report their use for straight-run gasoline distillation for raising the octane rating. An increase of about 10 octane numbers was obtained by passing one part by volume of gasoline over two parts by weight of synthetic zeolite. Orig. art. has 5 figures, 2 formulas, 3 graphs and 7 tables."

ASSOCIATION: none

SUBMITTED: 00  
NO REF SOV: 004  
Card 1/1

ENCL: 00  
OTHER: 028

SUB CODE: MT, FP  
JPRS



C APASIEVICI, A.

CAPASIEVICI, A.

CAPASIEVICI, A. Contributions to the problem of producing textiles on the basis of objective criteria. p. 209.

Vol. 7, no. 5, May 1956.

INDUSTRIA TEXTILA.

TECHNOLOGY

RUMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

BALMUS, P., prof.; MAGERU, V., dr.; CARASEVICI, V., dr.; POPOVICI, N., dr.;  
BRAIER, Rasela

Contributions to the study of the treatment of inflammatory and  
degenerative rheumatism with radioactive mud. Med. intern., Bucur  
12 no.9:1393-1396 S '60.  
(ARTHRITIS, RHEUMATOID, therapy) (MUD THERAPY)  
(RADIUM)

BALMUS, P., prof.; CARASIEVICI, V., dr.; POPOVICI, N., dr.; NUBERT, Gr.,  
dr.; ADRIAN, V., dr.; RUGINA, V., dr.; BRAIER, R., dr.

Study of pulmonary ventilation disorders in spondylitis ankylo-  
poietica. Modifying action of balneophysiotherapy. Med. intern.,  
Bucur 12 no.12:1867-1872 D '60.

(BALNEOLOGY) (SPONDYLITIS, ANKYLOSING therapy) (RESPIRATION) (EXERCISE THERAPY)

BALMUS, P., conf.; MAGERU, V., dr.; CARASIEVICI, V., dr.; POPOVICI, N., dr.;  
SILION, I., dr.; NUBERT, Gr., dr.; BRAIER, R., dr.; SIMIONESCU, R.,  
sora medicala

Study of the rheumatogenic factors and the aspect of the spinal  
column in the textile industry. Med. intern. 14 no.7:819-825 J1  
'62.

(SPINAL DISEASES) (ARTHRITIS, RHEUMATOID) (INDUSTRIAL MEDICINE)  
(OCCUPATIONAL DISEASES) (PNEUMOCONIOSIS)

BALMUS, P., conf.; MAGERU, V., dr.; NUBERT, Gr., dr.; CARASIEVICI, V., dr.;  
RUGINA, V., dr.; POPOVICI, N., dr.; ANDRIAN, V., dr.; BRAIER, R.,  
dr.; MOISE, B., dr.; POLAK, S., dr.

Clinical and biochemical studies with radioactive phosphorus in  
generalized articular chondrocalcinosis. Med. intern. 14 no.8:  
985-991 Ag '62.

1. Lucrare efectuata in Clinical balneologica I.M.F. lasi (director  
conf. P. Balmus).

(JOINT DISEASES) (CARTILAGE) (CALCINOSIS)  
(PHOSPHORUS ISOTOPES) (PHOSPHORUS METABOLISM DISORDERS)

BALMUS, P., conf.; CARASIEVICI, V., dr.; MAGERU, V., dr.; BRAIER, R., dr.;  
ADRIAN, V., dr.; NUBERT, G., dr.; RUGINA, V., dr.;  
POPOVICI, N., dr.; POLAC, S., dr.

The action of vasculosympathetic faradization on algodystrophies  
of the upper extremities. Med. intern. 15 no.7:809-815 JI '63.

1. Lucrare efectuata in Clinica de balneologie a I.M.F., Iasi.  
(SHOULDER-HAND SYNDROME) (RHEUMATISM)  
(ELECTROTHERAPY)

CARATHÉODORY, CONSTANTIN

*Math*  
\* Carathéodory, Constantin. Gesammelte mathematische Schriften. Bd. 4. Herausgegeben im Auftrag und mit Unterstützung der bayerischen Akademie der Wissenschaften. C. H. Beck'sche Verlagsbuchhandlung, München, 1956. ix+494 pp.+1 plate. DM 43. The fourth volume contains 7 articles on functions of a complex variable, 5 on functions of several complex variables, and 12 on real variables. The articles on complex variables are a continuation of the third volume [MR 17, 446], and those on real variables are entitled "Masstheorie", "eineindeutige Abbildung", and "Algebraisierung des Integralbegriffs".

1-F/W

*Schw  
MT*

CARATI, L.; DEL FELICE, A.

Measurement of deformation of the Publino Dam; a comparison of the results with those obtained from calculation and from tests of model.  
p. 464

ELEKTROPRIVREDA. (Zajednica jugoslovenske elektroprivrede) Beograd, Yugoslavia. Vol. 12, no. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC VOL. 9, no. 2, Feb. 1960

Uncl.



COUNTRY : RUMANIA  
CATEGORY : General Biology. Cytology. Animal and Human Cytology. B  
ABS. JOUR. : RZhBiol., No. 2, 1959, No. 5024  
AUTHOR : Caratzali, A., Dancasiu, M.  
INST. : Rumanian Academy of Sciences.  
TITLE : Sex Differentiation of the Cells of Suprarenal Glands in Birds.  
ORIG. PUB. : Studii si certari endocrinol. Acad. RPR, 1957, 8, No 2, 240-241  
ABSTRACT : No abstract.

CARD: 1/1

CARATZALI, A.; PRICAJAN, Sidonia

Methods of examination of chromosomes and sex chromatin. Stud.  
cercet. endocr. 13 no.3:383-386 '62.  
(SEX DETERMINATION) (CHROMOSOMES)

CARATZALI, A.

Study of the polyploidy of certain spermatocytes during meiosis in mice (in normal and pathological conditions). Arch. roum. path. exp. microbiol. 21 no.1:203-221 Mr '62.

1. Travail de l'Institut d'Oncologie de Bucarest.  
(SPERMATOCYTES) (CELL DIVISION) (CHROMOSOMES)  
(RADIATION EFFECTS) (MELPHALAN) (THIO-TEPA)  
(TISSUE EXTRACTS)

CARATZALI, A.; PRICAJAN, Sidonia; MIRNESCU, St.; POPESCU, Alexandrina

Considerations on human sex chromosomes in connection with a case of gonadal dysgenesis and vaginal aplasia. Stud. cercet. endocr. 15 no.2:161-167 '64.

1. Institutul Oncologic, Bucuresti, si Clinica de ginecologie si obstetrica, Institutul medico-farmaceutic, Bucuresti.

TORZHESKU, V. [Torjescu, V.]; BYUTESKU, E. [Biutescu, E.]; ZAKHARIYA, A.K. [Zaharia, A.C.]; TYUFESKU, R. [Tiufescu, R.]; KALOTA, M. [Calota, M.]; KARAULEANU, E. [Carauleanu, E.]

Activity of the aldolase, pseudocholinesterase, and transaminases in the blood serum in epidemic hepatitis. Vop.med.khim. 8 no.1:27-30 Ja-F '62. (MIRA 15:11)

1. Infektsionnaya bol'nitsa g. Kraynova, Rumynskaya Narodnaya Respublika.  
(HEPATITIS, INFECTIOUS)(ALDOLASE) (CHOLINESTERASE)(TRANSAMINASE)

ROMANIA

CARAUS, T., MD.

Bucharest, Sanatatea, No 12, Dec 63, p 11

"Renal Transplantations."

CARASU, D., AND OTHERS.

The results of comparative cultures with varieties, hybrids, and populations of maize, performed in Ezareni-Iasi in 1954-1957. p. 191.

LUSCRARI STIINTIFICE. (Institutul Agronomic "Profesor Ion Ionescu de la Brad," Iasi) Bucuresti, Rumania.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug, 1959

Uncl.

PRIADCENCU, Al.; BORDEIANU, T., acad.; GRINVALD, Clara; STEFAN, N.;  
BELDIE, Al.; ANGHEL, Gh.; CEAPOIU, N.; CARAUSU, D.; COCIU, V.

Concept of species reflected in Rumanian works on cultivated  
plants. Studii cerc biol s. bot 16 no. 2:153-162 '64.

1. Institute of Research of Cereals and Industrial Plants,  
Laboratory of Hybridization. 2. Corresponding Member of the  
Rumanian Academy (for Priadcencu, Ceapciu).



CERCHEZ, N.; MIRZA, V., acad.; CARAUSU, D., prof.

Influence of heredity of tomato hybrid descendants, at the age of in'erbreeding, on the reproductive elements. Studii biol agr Iasi 14.no.2:287-298 '63.

1. The work was carried out in the framework of the "Al.I.Cuza" University.

TOMA, M.; PASCAL, P.; CARAIUSU, I.D.

*Clathrus ruber* Mich., ex. Pers., a new species in the mycologic  
flora of Rumania. *Studii biol agr Iasi* 13 no.1:25-28 '62.

RUMANIA/Cultivated Plants - Grains.

11-4

Abs Jour : Ref Zhur - Biol., No 9, 1958, 32251

Author : Dracea, I., Carausu, V.

Inst : Rumanian Academy, Baza Timisoara

Title : Regionalization of Rice Varieties in the Western Part of  
the Rumanian People's Republic.

Orig Pub : Studii si cercetari stiint, Acad. RFR, Baza Timisoara. Ser.  
stiinte agric, 1956, 3, No 3-4, 145-173.

Abstract : Comparative testing of 60 varieties and strains of diffe-  
rent origins in the rayons of Timisor Zabrani and Salont  
which took place in 1951-1955 is described in this paper.  
A classification of varieties, according to how early  
they ripen and also in accordance with the quality of the  
grain is given. The best varieties are indicated.

Card 1/1

- 52 -

BALFARETU, R., ing.; CARAVAN, G., ing.

Emanation of CO<sub>2</sub> in the Luata mine and the fight against it. Rev  
min 15 no.10:477-481. 0 '64.

CARBUNESCU, G.

A

115

Opposite effects of small and large doses of adrenaline on isolated frog hearts. D. Daniclopou, G. Carbunescu, and Serban Fotino. *Acad. Rep. Populare Română: Bul. Stiint. Ser. Stiinte Med.* 2, No. 4, 5 pp. (1950) (French summary).  
- Adrenaline (I) in small doses inhibits and in moderately large and very large doses excites the heart due to the action of acetylcholine produced by I. Pretreatment with atropine or choline excites the heart with small and large doses of I. Emanuel Merlinger

Non-specific pharmacodynamic studies on enzyme activities. I. The influence of hyaluronidase on the activity of acetylcholine and adrenaline on frog heart. R. Brauner, Eugenia Sere, Ch. Chikunosev, and Henrietta Vainer. *Genet. stud. exp. appl. Rome* 2, 191-4 (1952). — Hyaluronidase (I) from testes and from streptococci stimulates the action of acetylcholine (II) and adrenaline (III) on isolated frog hearts suspended in Ringer solution. The stimulating effect of I is higher with II than with III. *Renamed-Mordhauer*

CARCANI, A.

Let us fulfill with success all the duties of our 1956 plan, p. 1,  
TEKNIKA, (Ministria Industri-Miniera dhe Ndertim-Komunikacion)  
Tirane, Vol. 3, No. 1, Jan./Feb. 1956

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

CARDA Cz.

POLAND/Chemical Technology. Chemical Products and Their Application. Lacquers. Paints. Lacquer-and-Paint Coatings. H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 45177.

Author : Carda Czeslaw.

Inst : \_\_\_\_\_

Title : Scientific and Technical Conference at Prague on Pigments and Dyes for Synthetic Resins.

Orig Pub: Chemik, 1957, 10, No 11, 325-326

Abstract: Brief information concerning the 1957 conference.

Card : 1/1



CARDA, F.

"Experiences with a primal-cutting line." P. 131.

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu). Praha,  
Czechoslovakia, Vol. 10, No. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

CARDA, J.

TECHNOLOGY

Periodical: POZEMNI STAVBY. Vol. 6, no. 10, Oct. 1958.

CARDA, J. Housing construction in Western Germany. p. 546.

Monthly List of East European Accession (ERAI) LC, Vol. 8, no. 3  
March 1959 Unclass.

CARDA, M., ins.

Stabilized slag ripraps on the Ostravice River. Vodni hosp 15  
no.2:84-86 '65.

1. Ingstav National Enterprise, Brno.

CARDARIU, I.; SCHONBERGER, E.

Reaction of methane with carbon monoxide in electric discharges.  
Studia Univ B-B S. Chem 7 no.1:47-52 '62.

M. CARDAS

Rumania/Pharmacology. Toxicology. Antitubercular Drugs U-8

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33086

Author : Ulpianu C., Cardas M., Bretschneider I.

Inst : Not given

Title : Polyneuritis During Therapy with Isoniazid.

Orig Pub : Viata med., 1957, 4, No 4, 62-67

Abstract : No abstract.

Card 1/1

CARDAS, M.; DUMITRESCU, Irina

Cerebral accidents in coarctation of the aorta. Rumanian M Rev. no.4:  
41-47 '61.

(AORTIC COARCTATION compl.) (CEREBROVASCULAR DISORDERS etiol.)

CARDAS, Vlad, ing.

Pneumatic drive of the cones of No.1 and No.2 blast furnaces in Resita and No.7 in Hunedoara. Metalurgia constr mas 14 no.7: 577-586 J1 '62.

1. Institutul de proiectari de uzine si instalatii metalurgice.

CAREVIC, M.

DUKIC, Dragomir; CIRIC, Miodrag; MARKOVIC, Radojka; CARVEIC, Milica

Contribution to the study of rickets in our country. Srpski arh.  
celok. lek. 88 no.5:535-543 My '60.

1. Decje odeljenje Opste bolnice "Dr Mihajlo Ilic" u Kragujevcu.  
Sef: dr Dragomir Dukic.

(RICKETS epidemiol)



DUKIC, Dragomir, dr.; CARIVIC, Milica; MARKOVIC, Radojka

Our experience with the treatment of tuberculous meningitis. Srpski  
arh. celok. lek. 88 no.11:1089-1095 N '60.

1. Decje odeljenje Opste bolnice "Dr Mihajlo Ilic" u Kragujevcu.

(TUBERCULOSIS MENINGEAL ther)

CARGAS, F.

Distr: 4E3d

~~Economical cracking of paraffin hydrocarbons in the electric arc. František Cargas, Miloslav Štaud, and Anatoli Lazarev. *Erdol u. Kohle* 12, 818-23(1959). Saturated hydrocarbons, esp.  $CH_4$ , are converted into unsaturated hydrocarbons ( $C_2H_2$ ) by means of an a.-c. arc. The initial expense for such an app. is much smaller than for the conventional d.-c. arc. A two-step process was developed which utilizes part of the energy normally lost for the cracking of higher paraffins to increase the yield of olefins.~~

Otto C. Elmer

4  
1

CARCONJA, L.

Checking and rectificating the 37-mm. sighting equipment of the M 39  
antiaircraft gun. p. 260. VOJNO-TEHNICKI GLASNIK. Beograd. Vol.  
4, no. 4, Apr. 1956.

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

CARIADI, LELLA

15  
3  
✓ Polarographic determination of cadmium in red glasses used for signals. A. Cloara and Lella Cariadi. *Ind. usorã* (Bucharest) 3, 424-32 (1956).—In order to be acceptable, the red signal glass must contain after melting 0.06% Cd and 0.03% each of Se and S. These small concns. can be best detd. by a polarographic method. After dissolution of the sample, the  $SeO_4^{2-}$  ion must be eliminated, before the  $Cd^{++}$  is detd. in a 0.8N KCl soln. at a half-wave potential of 0.4 to -0.9 v. Results obtained are compared with those given by standardized 0.02N, 0.002N, and 0.0001N  $CdSO_4$  solns. The method can be used for routine production control. Francois Kertesz

JW  
1/1

CARIADI, L

RUMANIA / Chemical Technology. Chemical Products and H  
Their Application. Ceramics. Glass. Bind-  
ing Materials. Betones. Glass.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 32196.

Authors : Cioara, A., Cariadi, L.

Inst : Not given.

Title : Polarographic Determination of the Toxicity of  
Enamel in Ceramic Vessels.

Orig Pub: Ind. usoara, 1958, 5, No 4, 141-144.

Abstract: A polarographic method of Pb determination in  
the enamel of a ceramic vessel is described.  
The technique of conducting the analysis is set  
forth. There are introduced tables, graduated  
graphs and polarograms for different Pb concen-  
trations (a background electrolyte,  $\text{CH}_3\text{COONH}_4$ ),

Card 1/2

Cariadi, L.

Country	: ROMANIA	H-13
Category	: Chemical Technology. Ceramics. Binding Materials. Concrete.	
Abs. Jour	: Ref Zhur-Khimiya, No 14, 1959, No: 50293	
Author	: Ciocara, A.; <u>Cariadi, L.</u>	
Institute	: -	
Title	: Polarographic Determination of Soluble Salts in Clays.	
Orig Pub.	: Rev. constructiilor si mater. constr., 1958, 10 No 9, 593-596	
Abstract	: No abstract.	
Card:	1/1	
Country	: GDR	H-13

RUMANIA / Chemical Technology. Chemical Products and      H-6  
Their Application. Safety and Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1764.

Author : Zvinca — Selegean E., Cariadi, L.  
Inst : Not given.  
Title : The Polarographic Determination of Sulfur Diox-  
ide in Air.

Orig Pub: Rev. chim., 1958, 9, No 1, 39-44.

Abstract: Experiments concerning the development of a meth-  
od for the determination of SO<sub>2</sub> (I) in atmospher-  
ic air are reported in detail. Polarograms are  
presented for various concentrations of I (0.1 N  
HCl solution as the supporting electrolyte), as  
well as polarograms which were obtained in the  
presence of various amounts of Cl, NH<sub>3</sub>, and H<sub>2</sub>S.  
The advantage of a polarographic method for the

Card 1/2

RUMANIA / Chemical Technology. Chemical Products and      H-6  
Their Application. Safety and Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1764.

Abstract: determination of I over nephelometric, colorimetric, iodometric and other methods is emphasized. Graphs and tables are furnished on a comparison of the sensitivity of the mentioned methods. Ten references are given. -- T. Solov'yeva.

Card 2/2

18



Country : Rumania E-2  
Category : Analytical Chemistry. Analysis of Inorganic  
Substances.  
Abs. Jour. : Ref. Zhur.-Khimiya No. 6, 1959 19153  
Author : Gioara, A.; Cariadi, L.  
Institut. :  
Title : Polarographic Determination of Soluble Salts  
in Clays.  
Orig Pub. : Rev. chim., 1958, 9, No 6, 342-344

Abstract : Description of an indirect method of determining soluble sulfates in clays, which is based on polarography of excess  $Pb^{2+}$ -ions that remain after precipitation of  $SO_4^{2-}$  as  $PbSO_4$ . 100 g of dried and comminuted clay are slurried with 400 ml water, heated for 3-4 hours on water bath, diluted with water to 1 liter, stirred and allowed to stand for 24 hours. To 10 ml of resulting mixture are added 2 ml 0.1 N  $Pb(CH_3COO)_2$ , 5 ml ethanol and 8 ml water, stirred and allowed to stand 1 hour to settle  $PbSO_4$ . 1 ml of clear supernatant solution is taken for polarography; added 1 ml 5 M  $CH_3COONH_4$  and 3 ml water. With this background  $E_{1/2}$  Pb is - 0.80 v.  $Bi^{3+}$  and  $Sn^{2+}$ , which interfere with Pb determination, are  
Card: 1/2

Country : Rumania  
Category= :

E-2

Abs. Jour. :

19153

Author :  
Institut. :  
Title :

Orig. Pub. :

Abstract : usually absent in aqueous extract of clay. Under analogous conditions is recorded the polarogram of a solution containing 2 ml 0.1 N  $Pb(CH_3COO)_2$ , 5 ml ethanol and 18 ml water. From the difference in wave heights of analyzed and standard solution a determination is made of the amount of  $Pb^{2+}$  used up to precipitate  $SO_4^{2-}$ , and consequently also the content of  $SO_4^{2-}$ . In accuracy, the described method is not inferior to the gravimetric method using  $BaCl_2$ .  
-- B. Manole.

Card: 2/2

F-37

CARIADI, Lelia, dr.; MICLEA, Vasile, ing.; PODAR, Onofir, ing.

Installation for the automatic classification and determination of the abrasive used in glass polishing. Industria usoara 9 no.2:48-52 F '62.

CARIADI, Lelia, dr.

The polishing of window glass. Industria usoara 10 no.9:  
399-403 S '63.