GOIA, I., prof.; CHIRTOC, G.; NEGRU, A.; CRACIUN, T.

Acute rheumatic polyvisceritis. Rumanian M. Rev. 3 no.3:48-52 J1-S '59.

1. 2nd Medical Clinic, Cluj. (RHEUMATISM)

CRACIUN, Reofil SURNAME, Given Names

Country: Rumania

Academic Degrees: Candidate-in-Agricultural Sciences; -Candidat in Stiinte

Agricole .-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 9, Sep 1961, pp 8-10.

Data: "Ever More Productive Varieties for the Socialist Agriculture."

GPO 981643

CRACIUN, Teofil, conf. univ., candidat in stiinte

Cytogenetics and hybrid seeds. St si Teh buc 15 no.11:14-15 N $^{1}63$.

IOVESCU, Mircea; CRACIUN Teofil; CIOFU, Angela

Modification of chemical characteristics of agricultural plants by hybridization. Studii cere chim 12 no. 5:393-397 64

1. Agronomic Institute, Bucharest, Baul Maraati, no.53.

CRACIUM, Teofil, conf. univ., candidat in stiinte

Biological role of chromosomes. St si Teh Buc 16 no. 3:
38-42 Mr '64.

POPESCU, I.; CRACIUN-CIOBANU, Aglaia; PONI, Margareta

Coordinative combinations of TI^{III} with citric acid. Studii chim Iasi 14 no.1:43-64 '63.

1. Filiala Iasi a Academiei R.P.R., Institutul de chimie "P.Poni", Sectia de chimia combinatiilor coordinative.

FISEL, Simon; CRACIUN_CIOBANU, Aglaia; POPESCU, Ion; PONI, Margareta

A new spectrophotometric method for determination of Tl (III). Rev chimie Roum 9 no.8/9:559-563 Ag-S '64.

1. "Petru Poni" Institute of Chemistry, Rumanian Academy, Issi Branch.

POPESCU, Ion; FISEL, Simon; CRACI N-CIOBANU, Aglaia; GOSI-ODARU, Profira

Contributions to the study of 1: complexes. Rev chimie Roum 9 no.10:619-626 0 164.

1. Section of Inorganic Chemistry of the "Petru Peni" Losticute of Chemistry of the Rumanian Academy, Iasi Branch, 41 A Aleea Grigore Chica Voda.

FISEL, Simon; CRACIMIL-CIOSANU, Aglaia; POPESCU, Jon; FONI, Margareta

A new spectrophotometric method for Tl (117) determination. Studii cere chim 13 no.8/9:595-599 Ag-S 164.

1. "P.Poni" Institute of Chemistry of the Aumanian Academy, lasi Branch, 41 A Alesa Grigore Chica Voda.

POPESCU, I.; FISEL, S.; CRACIUN-CIOBANU, A.; GOSPODARU, P.

Contributions to the study of complex combinations of trivalent thalium. Studii cere chim 13 no.10:659-666 0 164.

1. Section of Inorganic Chemistry, "Petru Poni" Institute of Chemistry, Rumanian Academy, Iasi Branch, 41 A Aleea Cirgore Chica Voda.

PANGIJ, Micolaie, dipl. ing. (Rumania); SINGER, Georges, dipl. ing. (Rumania); CAMABOGD/N, Ion, dipl. ing. (Rumania); CRACIUNEANU, Constantin, dipl. ing. (Rumania); SCHWARTZ, Marty, dipl. ing. (Rumania)

State of development of low-quality coal-fired steam boilers. Ipari energia 5 no.3:69-70 M '64.

PANOIU, N., ing.; CARABOGDAN, I., ing.; SINGER, C., ing., CRACIUNEANU, C., ing. Actual stage and prospects of stom boilers with cyclone furnaces and liquid slag removal. Energetica Rum 11 no.10:

0163. 497-503

NATCU, I., ing.; BRINZAN, I., ing.; GRACTURESCU, T.

Method and decide for measuring the real unitary compression strusses in concrete. New constr si mat constr 16 no.4:203-204 Ap*64

L 29783-66 - EMP(c)/EMP(v)/EMP(j)/EMP(h)/EMP(l) RM ACC NR AF6020834 SOURCE CODE: RU/0003/65/016/009/0419/0423 AUTHOR: Toma, I.; Craciunescu, V.; Babaita, Valeria 33 ORG: Faculty of Industrial Chamistry, Polytechnical Institute, Timisoara (Facultatea de Chimie Industriala, Institutul Politehnic) TITIE: Some observations regarding production capacity in the chemical industry SOURCE: Revista de chimie, v. 16, no. 9, 1965, 419-423 TOPIC TAGS: chemical industry, industrial production ABSTRACT: The authors call attention to some peculiarities in the interpretation, calculation and analysis of the production capacity of the chemical industry arising from the complexity of the manufacturing processes involved, and show the dependence of this capacity on a number of variable factors. A method for the calculation and analysis of production in terms of such factors (for example, surface area involved in a reaction) is presented. Orig. art. has: 22 formulas and I table. [Based on authors Eng. abstract] [JPRS] SUB CODE: 05, 07 / SUBM DATE: none / ORIG HEF: 002 Cord 1/1 VDC: 66.012.42:338.062.13

AUTHOR: Toma, Ioan (Lecturer); Craciunescu, Victor (Lecturer; Assistant Chief Project Services); Cocirla, Trandafir (Lecturer) ORG: Polytechnic Institute, Timisoara (Institutul Politehnic); [Craciunescu] "Electromotor" Enterprise, Timisoara (Intreprinderea "Electromotor") TITLE: Economic efficiency of the introduction of modern techniques in the manufacturing of micromotors at the 'Electromotor' Enterprise of Timisoara SOURCE: Electrotehnica, no. 4, 1965, 151-160 TOPIC TAGS: electric motor, microelectronic component ABSTRACT: The authors discuss the methodology of calculating the economic efficiency of the introduction of new techniques in terms of the possibilities of the means of production, and analyze in general terms the economic effects and efficiency of the introduction of new techniques in the manufacture of micromotors at the	Ī
TITLE: Economic efficiency of the introduction of modern techniques in the manufacturing of micromotors at the 'Electromotor' Enterprise of Timisoara SOURCE: Electrotehnica, no. 4, 1965, 151-160 TOPIC TAGS: electric motor, microelectronic component ABSTRACT: The authors discuss the methodology of calculating the economic efficiency of the introduction of new techniques in terms of the possibilities of the means of production, and analyze in general terms the economic effects and efficiency of the introduction of new techniques in the manufacture of micromotors at the	
manufacturing of micromotors at the 'Electromotor' Enterprise of Timisoara' SOURCE: Electrotehnica, no. 4, 1965, 151-160 TOPIC TAGS: electric motor, microelectronic component ABSTRACT: The authors discuss the methodology of calculating the economic efficiency of the introduction of new techniques in terms of the possibilities of the means of production, and analyze in general terms the economic effects and efficiency of the introduction of new techniques in the manufacture of micromotors at the	
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of the introduction of new techniques in terms of the possibilities of the means of production, and analyze in general terms the economic effects and efficiency of the introduction of new techniques in the manufacture of micromotors at the	I
"Electromotor" enterprise. Orig. art. has: 14 figures and 5 tables. [Based on authors' Eng. abst.] [JPRS]	
SUB CODE: 09 / SUBM DATE: none / ORIG REF: 001	
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Card 1/1 af UDC: 621.313.17:621.312.003.1 (498) EMT 2643	٠.

RUMANIA

COSCIUG, V.; and CRACTUNESCU, V., Experimental Agricultural Station (Statiunea experimentala agricola) Podu Iloaie

"Growth of Material Incentives Aimed at Increasing the Animal Production in the Agricultural Cooperative of the Iassi Region"

Bucharest, Revista De Zootehnie si Medicina Veterinara, Vol 16, No. 7 June 1966; pp 32-43

Abstract: [English summary modified] Review of efforts to increase productivity by using incentive premiums to all workers for production exceeding plan, and method of control and implementation on several cattle farms in Iassi region; dairy production; big farms. Tabulated data on monies paid out in 4 farms in 1965 and of rationale therefor; 3 dairy farms 1963 and 1965 showing increase in production. Figures plainly demonstrate that this method of encouraging special efforts is worthwhile. 3 tables, 7 Rumanian references.

1/1

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RUMANIA/Chemical Technology - Chemical Products and Their

Applications - Drugs, Vitamins, Antibiotics.

: Ref Zhur - Khimiya, No 11, 1958, 37220 Abs Jour

: Popper, E., Ariton, N., Craciuneanu, R. Author

: Application of the Method Lead Analysis, by Means of Inst Mercaptans, to the Standard Pharmaceutical Products. Title

: Farmacia (Romin), 1957, 5, No 4, 304-309 Orig Pub

: A semi-commercial quantitative method of Pb determination in Fb-containing solutions of standard prepara-Abstract

tions is described. It consists in Pb precipitation by an alcoholic solution of phenylhydraxide-carbothiomide (I). (I) is stable and may be easily synthethized. The method is exact, sensitive, and convenient and may be applied in the presence of alkali and alkali-earth metals. It yields good results down to a minimum con-

centration of Po = 200 / /ml.

Card 1/1

E-5

CRACIUNEANU, R.

RUMANIA/Analytical Chemistry . Analysis of Onorganic Substances.

: Ref Zhur - Khimiya, No 8, 1958, 24757 Abs Jour

Pepper, E., Ariton, N., Proinov, L., Craciuneanu, R. Author

: New Rapid Method of Gravimetric Determination of Mercury Inst Title

: Rev. chim., 1957, 8, No 9, 594-596 Orig Pub

: For the determination of Hg2 tuse is made of a new reagent 2-mercapto-5-anilino-1,3.4-thiodiazole (I) (RZhKhim, 1958, Abstract 24774), which is a white-yellow powder, MP 215-216°, readily soluble in (2150H, less soluble in alkalies and insoluble in water. I precipitates Ag⁺, Pb²⁺, Hg²⁺, Hg³⁺, Bi³⁺, Cu²⁺, Co³⁺ and Fe³⁺. Hg³⁺ ions form with I a yellow precipitate insoluble in C₃H₃OH and in ether and suitable

for gravimetric determination of Hg. The solution being analyzed, containing Hg as Hg Cl or Hg (NO3), (concentration of free HNO, not above 0.2-0.3 N), is diluted with twice its volume of C₂H₅OH, and Hg³⁺is precipitated with

Card 1/2

CIA-RDP86-00513R000309320 APPROVED FOR RELEASE: Thursday, July 27, 2000

RUMANIA/ Analytical Chemistry - Analysis of Inorganic Substances.

Abs Jour : Ref Zhur O Khimiya, No 8, 1958, 24757

a 5% alcohol solution of I under continuous stirring. Solution and precipitate are heated on a water bath until the amorphous precipitate becomes crystalline, filtered immediately through a filter crucible No 5 or No 4, the precipitate is washed with alcohol and ether, dried in a vacuum-desiccator and weighed. If the concentration of HNO in the solution being analyzed is above 0.3 N the solution is evaporated to dryness and the residue is dissolved in water acidified with HCl. The minimum determinable amount of Hg 3 is 40/ml. Duration of determination is from 45 minutes to 2 hours; error ± 0.54%. The method is suitable for determination of Hg in medicinals.

Card 2/2

19

CRACIUNEANU, K. H-17 CRITTION :Rumania CATUGORY : RZKhim., No. 21 1959, Po. 75793 ABS. JOUR. ROHTUA Popper, E., Ariton, N., Proinov, L., and Craciunea-INST. :Not given The Analysis of Mercury Medicinal Preparations by TITLE a Rapid Gravimetric Method Using 2-Mercapto-5-Anilino-1, 3,4-Thiodiazole ORIG. PUB. Farmacia (RPR), 6, No 6, 491-498 (1958) ABSTRACT :A new gravinetric is proposed for the determination of Hg in medicinal preparations, using 2mercapto-5-anilino-1,3,4-thiodiazole. The aboveindicated reagent is very sensitive (accurate determinations of Hg in medicines are possible at minimum concentrations og Hg of 40 gammas per ml), it is readily prepared, and can be used in any analytical laboratory. The authors propose the substitution of the above-described method for the official methods in the analysis of a number of medicines listed in the Rumanian Pharmacopoeia. From authors' summary GARD: 1/1 nu, R. 219

COUNTRI : Czechoslovakia R-27 CAT CHORY ABG. JOUR. : RZKhim., No. 21 No. 75435 AUTAOR Idst. FITLE oric. Pue. ABSTRACT : in the communition of M. The germination of the M in drums results in a higher DA then germination in compartments. Optimum germination time was found to be 10-12 days for barley and wheat M and 8-10 days for rye and oats M. In the production of brewers' malt, parley M was given the highest ruting. Data on the composition of variout types of raw materials and M are given togetner with comparison data for brewers' and distillers' M. G. Oshmyan CARD: 2/2 283

RUMANIA/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, 4303

Author : Popper, E., Craciuneanu, R., Ariton, N.

Inst : -

Title : The Reaction of Divalent Mercury with Monophenylhydrazo-

dithiocarbamide, Monoallylhydrazodithiocarbamide, and

Mononaphthylhydrazodithiccarbamide.

Orig Pub : Rev Chim, 9, No 4, 216-218 (1958) (in Rumanian with summa-

ries in German, English, French, and Russian)

Abstract : The reaction of Hg(II) with monophenylhydrazodithiccarba-

mide, (I) (RZhKhim, 1958, 43027), monoallylhydrazodithiocarbamide (III), and monoaphthylhydrazodithiocarbamide (III) has been investigated with a view of the possible replacement of H₂S in qualitative chemical analysis and development of a method for the determination of Hg(II). It has been found that I and II in alcoholic solution quantitati-

vely precipitate Hg(II) with the formation of stable

Card 1/2

RUMANIA/Analytical Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, 4303

mercaptides which are insoluble in C₂H₅OH and in ether. In the case of I the filtration of the precipitates equivalent to 0.02-0.08 cm Hg is continued for 2.5-6 hrs; when II is used, the filtration time is 30 min-3hrs. In view of the difficulties encountered in the filtration of the precipitates, I and II cannot be recommended for the gravimetric determination of Hg(II). When III is used, non-uniform and unstable gelatine-like precipitates are obtained. I, II, and III are easily synthesized compounds and represent amorphous white powders soluble in pyridine, alkalics, and C₂H₅OH and insoluble in water and in acids; they can be used in the separation of the cations of the fourth analytical group. -- B. Manole

Card 2/2

_ 15 _

POPPER, E.; POPA, L.; PROINOV, L.; ROMAN, L.; CRACIUNEANU, R.; JUNIE, V.

Behavior of some heavy cations towards certain organic reagents. Studii cerc chim 9 no.2:397-404 '61.

1. Facultatea de farmacie, Laboratorul de chimie analitica, Cluj.

(Cations) (Organic compounds)
(Chemical tests and reagents)

CRACIUNEANU, R.
Country: Runsunia

Academic Degrees: [not given]

Affiliation: -not givenSource: Eucharest, Revista de Chimie, Vol 12, No 9, Sep 1961, pp 557-558.

Data: "Bahavior of Silver Ion Towards Two Reagents of the Mercaptan Class."

Authors:

ROFFER, E.

FRATION, I.

CRACIUNEANU, R.

POPPER, E.; ROMAN, L.; CRACIUNEANU, R.; FLORIAN, E.

Studying the behavior of the cations of the 3d analytical group towards a class of organic reagents. Rev chimie blin petr 13 no.6:372-374 Je 162.

1. Laboratorul de chimie analitica Facultatea de Farmacie Institutul medico-farmacentic, Cluj.

POPPER, E.; PROINOV, L.; CRACIUNEANU, R.

Behavior of the silver ion in the presence of two reagents of the mercaptan class. Rev. chimie Min petr 12 no.9:557-558 S¹61.

STATICESCU, P. ing.; OLTEANU, Gh., dr.; MATEI, A., ing.; MUNTEANU, E. ing.; LUTSCH, M., ing.; POPA, I., ing.; RACZ, Z., ing.; COSMI, I., ing.; LENGYEL, V., ing.; LUNGU, C., ing.;
SINGER, M., ing.; CRETU, I., ing.; GRIGORAS, m., ing.;
CRACIUNESCU, C., ing.; COLIS, I., ing.; BACOS, M., ing.;
AIEXINDRESCU, T., ing.; HERZOVAN, I., ing.; TOARMICZSKI, E., ing.; OCHIANA, S., ing.; MOCANU, E., ing.

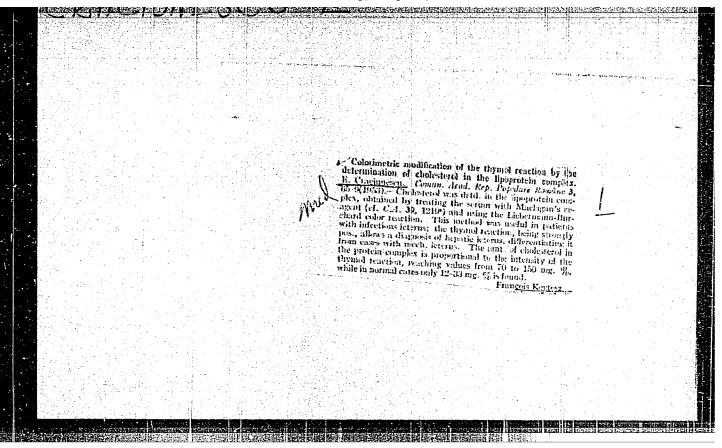
> Results obtained with different varieties in sugar-beet growing. Ind alim 14 no.9:342-348 5'63.

- 1. Fabrica de zahar Giurgiu (for Matei, Munteanu). 2. Fabrica de zahar Bod (for Lutsch, Popa).
- 3. Fabrica de zahar Tg. Mures (for Racz, Cosma, Lengvel).
- 4. Fabrica de zahar Roman (for Lungu, Singer).
- 5. Fabrica de zahar Bucecea (for Cretu, Grigoras).
- 6. Fabrica de zahar Oltenia (for Graciumescu, Colis).
- 7. Fabrica de zahar Banat (for Bacos).
- 8. Fabrica de zahar Arad (for Alexandrescu, Esrzovan).
- 9. Fabrica de zahar Ludus (for Toarniczski, Cchiana).
- 10. Fabrica de zahar Sascut (for Mocanu).

STATICESCU, P.; LUNGU, G.; OLTEANU, Gh.; CRACIUNESCU, C.; ALBERT, A.; MUNTEANU, E.

Studies on the keeping conditions of sugar beets. Ind alim 16 no.3:157-162 Mr '65.

- 1. Food Research Institute, Bucharest (for Staticescu).
- 2. Roman Sugar Plant (for Lung). 3. Ministry of the Food Industry (for Olteanu). 4. Podari, Sugar Plant (for Craciunescu). 5. Bod Sugar Plant (for Albert).
- 6. Giurgiu Sugar Plant (for Munteanu).



CRACIUNESCU, M.

Multiplication of fractions.

p. 312 (Gazeta Matematica Si Fizica) Vol. 9, no. 6, June, 1957, Bucuresti, Rumarda

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

- Craciunoiu, V.

Automatic intermittent regulation of temperature in electric furnaces with resistance. p. 483. ELECTROTEHNICA. (Asociata Stiintifica a Enginerilor si Tehnicienilor din Rominia si Ministerul Energiei Electrice si Industrici Electrotehnice) Bucuresti. Vol. 3, no. 11, Nov. 1955

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

L 1205-66 EPA(s)-2

ACCESSION NR: AP5025841

RU/0004/65/000/003/0096/0103

AUTHOR: Craciumescu, Victor (Engineer, Chief designer) (Timiscara); Mogos, Romenus (Chief planning engineer) (Timiscara)

TITIE: Some technical and economic considerations concerning the present series of asynchronous motors with short-circuited rotors produced by the Electromotor" Enterprise in Timisoura

SOURCE: Electrotehnica, no. 3, 1965, 96-103

TOPIC TAGS: electric motor, electric engineering, electric rotating equipment

ABSTRACT: [Authors' English summary modified]: A technicaleconomic analysis of the favorable results obtained through
the redesigning of the asynchronous motors with squirrelcage rotors produced by the "Electromotor" Enterprise. The
improvements made in the design include the use of high-quality
insulating materials and the standardization of the component
elements within the fundamental series and the derived series
of equipment. Orig. art. has 3 figures, 10 graphs and 2 tables.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00030932

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RUMANIA

616.981.49-022.362+036.21

POP, Carmen, Dr, and CRACIUNESCU, Viorica, Dr. Work performed at the State Health Inspectorate of Crisana Regiune (Inspectoratul Sanitar de Stat al Regiunii Crisana).

"An Episode of Mass Carriers with Salmonella."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 6, Nov-Dec 66, pp 559-562.

Abstract: In the course of a series of 7,312 bacteriologic tests during the season of high enterobacterial infectivity (June -August) in Oradea, 287 asymptomatic carriers of Salmonella anatum were discovered, as well as 78 carriers of S. typhimurium and 15 of S. enteritiditis Gaertner. Epidemiological and laboratory studies implicated especially milk and dairy products in the spread of S. anatum infection.

Includes 3 tables and 4 Rumanian references.

CRACIUNOIU, V.: ENACHESCU, P.

Steering schemes for pressing machines.

p. 86 Vol. 4, no. 2, Feb. 1956 ELECTROTEHNICA Bucuresti

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956

POPOVICI, Alex, ing.; TATU, Gheorghe, ing.; NICOARA, Pavel, ing.; BABUTIA, Idn, ing.; CRACIUNESCU, Victor, ing. (Timisoara)

On the reduction of supplementary no-load losses in asynchronous motors. Electrotehnica 12 no.5:166-171 My 64.

1. Director, "Electromotor" Enterprise, Timisoara (for Popovici). 2. Assistant Chief, "Electromotor" Enterprise, Timisoara (for Tatu, Nicoara). 3. Head of the Laboratories. "Electromotor" Enterprise, Timisioara (for Babutis). 4. Assistant Chief Designer, "Electromotor" Enterprise, Timisoara (for Craciunescu).

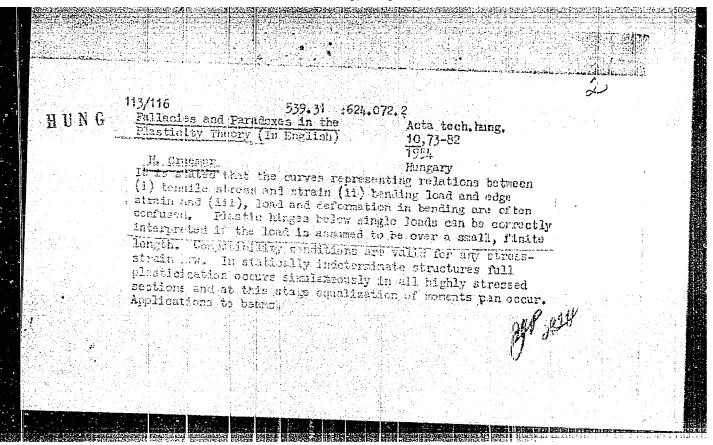
(2) 1.4(1) D1777. Crae.mer, H., Theory of plasticity in reinforced concrete (Teorija plasticiteta u armiranog betona), Belgrad, Izday. Predux, Minist. Cardjev., 1951, 309 pp. In many countries the methods for determining dimensions of cross sections for reinforced-concrete constructions are changing from those of the theory of elasticity ("a" method of admissible tensions) to methods resting on the plastic behavior of steel and concrete in method free from "a" rupture. The improvements and timeliness of this book are, therefore, not to be doubted, Applied Mechanics Reviews Author gives a clear and comprehensive summary of the funda-June 1954 mental laws proving the validity of this form of calculation. Structures The load capacity on the various types of loading and the degree of safety are carefully discussed on the basis of results given in the earlier chapters. At the end of the book, auxiliary tables for the determination of cross-section dimensions are given. A chapter treats the load capacity of statically indeterminate systems (beams, girder grillages, frames, and arches); mother deals with crosswise reinforced slabs and flat slabs. Methods are developed which enable more rapid calculation than is possible with methods based on the theory of elasticity. The reviewer believes that constructions calculated by these methods show a more uniform degree of safety in all their parts than those calculated with "admissible tensions." The book has a valuable bibliography of about 100 titles. Reading the book will be profitable not only for students but for civil engineers as well, since the author deals with numerous specific G. Brandes, Germany design cases.

CRAEMER, H.

"A Remark on the Critical Boundary Pressure in Soil Mechanics" p. 389 (Acta Technika, Vol. 5, No. 3, 1952, Budapest)

So: Monthly List of Washin Accessions / Library of Congress,

erch ///, Uncl.



RUMANIA

576.858.5

DUCA, M., ALEXANDRESCU, M., RADU, C., HANDRACHE, L. and CRAESCU, D., of the Medical Institute (Institutul de Medicina), Iasi.

"The Morphological Study of the Synthesis of Type 7 Adenovirus in HeLa Cells."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 4, 66, pp 303-305.

Abstract: In a study of the sequence of nuclear changes produced by type 7 adenoviruses in HeLa cells in order to determine the relations between viral protein and mature viruses, the authors were unable to find any evidence of protein crystals. They suggest that this may be due to uniform dispersal of the proteins or to the fact that under the experimental conditions used the viral infection did not lead to the formation of protein crystals. Includes 21 figures and 8 references, of which one German and 7 English-Language.

1/1

STEINBACH, M.; LAZAROVICI, Mirlim; ILLE, G.; FOBORAM, And; NEDELESCU, Raisa; CRAESCU, I.; BALANESCU, G.

Physico-chemical composition, fatty acid content and therapsutic value of some vegetable oils, fish oils and marine memmal oils of our country. Stud. cercet. med. intern. 5 no.52555-566 *64

1. Institutul de medicina interna al Academiei R publicii Forulare Romine si Ministerul Sanatatii si Prevederilor Sociale (for Steinbach, Iazarovici). 2. Institutul de cercetari alimentare al Ministerului Industriel Elimentare (for Ille, Foboran, Nedelescu, Craescu, Balanescu).

CRAESCU, V.

Considerations in regard to the productivity in the field of motor truck transportation. p. 299.
(REVISTA TRANSPORTURILOR. RUMANIA. Vol. 3, no. 8, Aug. 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

CRAESCU, V.; GUTTMAN, I.

Some considerations on the problem of profitableness in public air transportation.

2. 27 (REVISTA TRANSPORTURILOR) (Bucuresti, Rumania) Vol. 4, no. 12. Dec. 1957

30: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1058

I. 3h9h6-66 T/EWP(t)/ETI IJP(c) JD/DJ ACC: NR: AP6026645 SOURCE CODE: RU/0017/66/000/001/0005/0008 AUTHOR: Dragan, R. (Doctor; Engineer); Noves, S. (Engineer); Crafti, A. (Engineer) ORG: Metallurgical Research Institute (Institutul de cercetari metalurgice) TITIE: Some considerations concerning the hot deformability characteristics of noncorrosive steels SOURCE: Metalurgia, no. 1, 1966, 5-8 TOPIC TAGS: corresion resistant steel, plasticity, material deformation, mechanical shock resistance ABSTRACT: A report on tests to determine hot deformability characteristics of non-corrosive steels. The most appropriate method to determine cold-hardenability of steel has been found to be shock upsetting; to determine plasticity hot torsion gave best results while the upset method was best for determining shock-deformation resistance. Orig. art. has: 14 figures and 1 table. [Hased on authors' Eng. absi..] [JPRS: 36,646] SUB CODE: 11, 20 / SUBM DATE: none

HUICA, I.; BICLESANU, V.; CRAHMALIUC, G.; CHIU, T.; OPREA, M.; POPA, S.

On the age of the broken stones at Schela-Rumbesti Jiu-Arseni (northwest of Getic Depression). Dari seams sed 49 pt. 2.:113-117 '61-'62 [publ. '64]. (MIRA 17:11)

1. Submitted March 10, 1962.

CALEGORY		RUMANIA Cultivated Plants - Industrial, Oleiferous, Sugar. M
agen noting	:	N75Biol., 15.14, 1998, 16.63543
	:	Graicht, E.
iksą. Titla	•	The Effect of Organic and Mineral Fertilizers on the Growth of Mulberry Seedlings.
orig. PVa.	:	An. Inst. sergetal agron., 1957, 24, No. 5, 603-623
MOOTPANT	•	Experiments were conducted in 1992-1993 at the sericulture station in Orshov (Firstshoarskays outset), RFR). The soil in the mulberry nurseries contained little humas and available nutrients. Po, Naa, Kk and notted manuro were applied fertilizers were applied in different periods. On the soils under consideration, mulberry responded well to all fartilizers. The best results were produced by large doses of fertilizers. Fall application of manure with deep

CRAESCU, V.

Improvement of technical and economic indexes of the new flight material for Rumanian transport aviation. P 214.

REVISTA TRANSPORTURILOR. (Ascelatia Stinitifica a Inginerilor si Technicienilor din Rominia si Ministerul Transporturilor Rutiere, Navale si Aeriene) Bucuresti, Romania. Vol. 6, no. 5, May 1959.

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

Uncl.

CRAESCU, V., ing.

Motorcar transportation cost price as influenced by the practicability conditions of roads and the transport mean distance. Pt. 2. Rev transport 8 no. 3 106-110 Mr 161.

R/003/62/013/011/001/002 D272/D307

UTHOR:

Niederkron, I., Grain, Viorica and Nicu, Iulia

TITLE:

Advanced purification of Sil4

PERIODICAL:

Revista de Chimie, no. 11, 1962, 648-652

TEXT:

The purification of SiI4 by recrystallization from n-heptane, was examined in detail. SiI4 was synthesized directly the impurities in crude SiI4 were concentrated on the residue of silica gel which was separated by hot filtration. A method was developed which permitted an advanced purification of the Sil4 by the introduction of wet silica gel into the n-heptane solution, or by the formation of the gel in situ when wet N2 was bubbled through the solution. The latter method was to be preferred because no additional impurities were introduced and because bubbling accelerated the dissolution and homogenization of the solution. It was found that 2 g silica gel per liter of n-heptane was sufficient for a good purification, and that no special control was necessary in the case of N2 bubbling.

Advanced purification of Sil4

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purity increased when the molar ratio n-heptane to SiI₄ was raised from 1:1 to 8:1, but 5:1 was sufficient from the practical point of view. Two cycles of recrystallization were necessary for a purification below 10-4% for each element; further cycles might yield higher purities though the spectral analytical method employed was not sufficiently sensitive to detect these. Duration of the purification cycle was determined primarily by the duration of dissolution of SiI₄ in the boiling n-heptane. The yields were 86% at 5:1 and 80% at 8:1. There are 6 tables.

CRAIFALEARU, D.

Longitudinal vibrations of a prismatic rod resting on springs.

p. 34 (Metalurgia Si Constructia De Masini. Vol. 9, nc. 9, Sept. 1957. Buguresti, Rumania)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, nc. 2, February 1958

8/137/62/000/012/037/085 A006/A101

AUTHORS:

Buzdugan, Gheorghe, Craifaleanu, Dionisie, Antonescu, Veronel, Pană, Toma, Fostelnicu, Vasilica

TITLE:

The effect of notches at high temperatures

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 12, 1962, 61 - 62, abstract 121368 ("Bul. Inst. politekhn. București", 1961, v. 23, no. 3, 101 - 113, German; summaries in Russian,

TEXT: The effect of notches and stress concentrators upon σ_0 at elevated temperatures was investigated on 0L50, 0LC45 and 0LC 60 steel grades, corresponding to Soviet steels 5,45 and 60. The radius of stress concentrators on tensile specimens was 0.8; 1.6; 3.2; 4.8, and 6.4 mm and the ratio of the radius to thespecimen diameter in the concentrator spot was r/d = 0.1; 0.2; 0.4; 0.6, and 0.8. The specimens were tested at 20°C and at 150 - 500°C every 50°. It was established maximum values at 200°C and decreased initially with higher temperature, attaining steels, σ_0 decreased initially with elevated temperatures and then increased, Card 1/2

The effect of notches at high temperatures

\$/137/62/000/012/037/085 A006/A101

attaining maximum values at 300°C, and furthermore decreasing rapidly. The temperature dependence of 0 in specimens with stress concentrators is analogous to the temperature dependence of 0 in smooth specimens. With decreasing r/d, 0 increases in nouched specimens at the given temperature. To evaluate the effect of stress concentrators, the concentration coefficient of was introduced which is equal to the ratio of of of a specimen with a stress concentrator to 0 of a smooth specimen. With increasing r/d, of decreases at all the temperatures. The temperature dependence of of is plotted according to which of varies within a comparatively narrow range (+ 10%) for the given r/d. It is pointed out that in fect, raising 0 of steel.

A. Belinkiy

[Abstracter's note: Complete translation]

Card 2/2

VOINER, Racu; CRAIFALERNU, Dionisie

Critical speed of shufts. Nov mec appl 9 no.4:843-850 164.

- 1. Corresponding Member of it = Rumenian Academy (for Voinea).
- 2. Polymechnic institute, Bucharest (for Craifalesnu).

CRAIESCU, V.

Scientific research, a decisive factor in aeronautic progress in the USSR. p. 487.

REVISTA TRANSPORTURILOR. (Asociatia Stiintifica a Inginerilor si l'echicienilor din Romina si Ministerul Transporturilor Ruther, Navale si Aeriene) Bucuresti, Rumania. Vol. 6, no. 11, Nov. 1959.

Montaly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960

Uncl.

VOINEA, R.; CRAIFALEANU, D.

On the critical revolutions of the shaft. Studii cerc mec apl 15 no.2:297-304 '64.

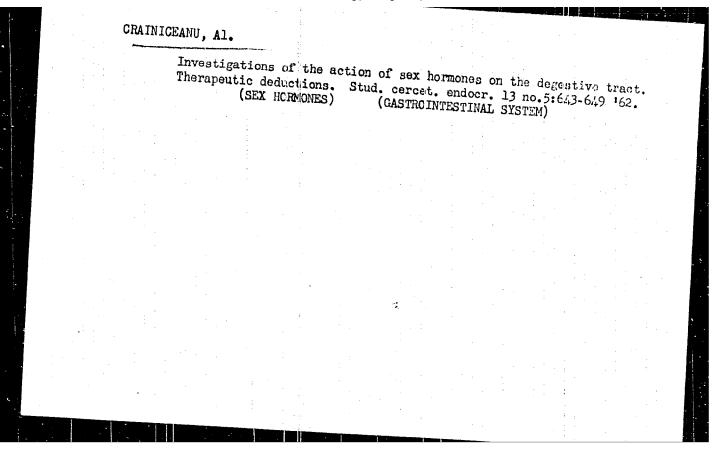
1. Corresponding Member of the Rumanian Academy (for Voinea). 2. Polytechnic Institute, Bucharest (for Craifaleanu). Submitted October 11, 1963.

CRAIG, G; CISLER, W; CAMPIELL, F.

Optimum investment in electric power for economically under-developed countries p. 5hl

TEHNIKA (Savez inzenjera i tehicara Jugoslavije) Beograd, Yugoslavia. Vol. 11., no. 1., Apr. 1959

Monthly List of East European Accession FEAT LC, Vol. 8, no. 6, June 1959 Uncla.



CRAINICEANU, Al. 2 COVASNEANU, Zenobia; STRUNGARU, Gr.; SUCMANSCHI, Maria

Action of insulin upon the cholinesterase and the muscular reactivity. Studii cerc fiziol 5 no.2:405-409 . (EEAI 10:2)

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

(INSULIN) (CHOLINESTERASES) (MUSCLES)

CRAINICEANU, P.

"What is gliding and how is it done? P.18." AVIATIA SPORTIVA. Vol. 4, no. 2, Feb. 1953. Bucuresti, Rumania.

SO: Monthly List of East European Accessions, L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

CRAINICEANU, P.

The first glider flights; training to obtain the 'A' certificate." p. 8. (Aviatian Sportiva, Vol 4, No.5, May 1953, Bucuresti).

SO: Monthly List of East European Accessions, Vol3 No.2 Library of Congress Feb 54 Uncl

CRAINICIANU, P.

"Higher training in gliding." p. 20 (Aviatia Sportiva, Vol. 4 No. 8 Aug 1953, Bucuresti)

SO: Monthly List of East Suropean Accessions, Vol.3 No.2 Library of Congress Feb 54 Uncl

CRAINICEANU, P.

"Knowledge of Aeronautic Psychology; Emotion." P. 7. (AVIATIA SPORTIVA, Vol. 5, No. 1, Jan. 1954, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4. No. 1, Jan. 1955 Uncl.

Crainice Sey, E. IAGNOV, S.; DUMITRESCU, Mircea; CUCU, N.; CRAINICESCU, E. Hematopolesis after gastrectomies. Probl. ter., Bucur. 3: 69-91 1956. 1. Membru corespondent al academiei R.P.R. (For Iagnov) (GASTRECTOMY, complications disord. of hemopoiesis, evolution) (HEMOFOIESIS disord., post-gastrectomy)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00030932

CRAIOVEANE, D.

CRAIOVEANE, D. Airplane models of great speed. p. 25
Manly bravery prepared in a test tube. p. 27.

Vol. 1, no. 11 Nov. 1955 ARIPILE PATRIEI TECHNOLOGY Eucuresti, Rumania

S0: Eastern European Accession Vol. 5 No. 4 April 1956

"Micromodel for Performances." P. 19. (AVIATIA SPORTIVA, Vol. 4, No. 12, Dec. 1953, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955, Uncl.

"Importance, Classification, and Role of Control Instruments." P. 23, (AVIATIA SPORTIVA, Vol. 4, No. 12, Dec. 1953, Bucuresti, Rumania.

SO: Monthly List of East European Accessions, (FEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

"Soverth" Progressive Parachute." P. 25, (AVIATIA SPORTIVA, Vol. 4, No. 12, Dec. 1953, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

CRAIOVEANU, G.

"From 100 to 200 Kilometers Fer Hour." P. 4. (AVIATIA SPORTIVA, Vol. 5, No. 1, Jan. 1954, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955 Uncl.

Fuel for motors of model airplanes. p. 23. ARIPILE PATRIEI, Bucuresti, Vol. 1, no. 6, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00030932

CRAIOVEANU, G.

CRAIOVEANU, G. On the path of progress. p. 21. ARIFILE PATRIEL. Bucuresti, Rumania.

SOURCE: East European Accessions List (EEAL) LC, Vol. 5, no. 6, June 1956

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00030932

CRAIOVEANU, G.

Diesel engines for airplane models. p. 19. (ARIFILE PATRIEI. Vol. 3, no. 2, Feb. 1957. Fatherland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

Page 79

MURGOCT, C., dr.; BERCU, G., dr.; DUMITERSCU, Cr., dr.; CRAISING, C., dr.

The familial factor in Marfan's syndrome (Apropos of 9 cases observed in 3 generations of the same family). Med. intern. (Bucur.) 16 no.11:1367-1375 N '64

l. Lucrare efectuate in Sectia de boli interne a Spitalului Rimnicu Sarat.

FIRU, P., conf.; DIACONESCU, M., dr.; CRISTEA, M., dr.; GHERGA-NEGNEA, Adina, dr.; CRISTEA, Iulia

Various stomatological aspects of rickets in preschool children. Stomatologia (Bucur) 12 no.2:139-148 Mr-Ap'65.

1. Lucrare efectuata in Clinica de stomatologie infantila Institutul medico-farmaceutic, Bucuresti (seful clinicii: conf. P. Firu).

CRAIU, C.

Considerations on the characteristics of decomposition of acetylene. Rev chimic Min petr 13 no.12:729-734 D '62.

CRAIU, C., ing.

Application and calculation of vortex-breaking stirrer of the Phaulder type. Rev chimie Min petr 12 no.10:609-613 0 '61.

GRAIU, IONI COMISIONERU, B.

Formation of pecuniary accumulations and their utilization for the development of technical and material bases of socialism. Frobleme econ 15 ro.12:166-181 D '62.

1. Adjunct al Ministrului Fianatelor (for Craiu).

CRAIU, G.

Road to the development of amateur-radio work. Tr. from the Rumanian. p. 12. (RADIO X TELEVIZIIA, Vol. 6, no. 6, 1957, Sofia, Bulgaria.)

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

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00030932

NITESCU, I.I., prof.; CRAIU, Rodica; WASSERMANN, N.

Cyanides and anti-cyanides. The action of sodium tetrathionate as an antidote in hydrocyanic poisoning. Rumanian M Rev. no.1:203-203 Ja-Mr '61.

l. Laboratory of Physiology of the Medicopharmaceutical Institute,
Bucharest.

(HYDROCYANIC ACID toxicology) (CYANIDES antagonists)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00030932

COUNTRY: CATEGORY	Rumania 1	н-26
ABS. JOUR.	: RZKhim, No. 5 1960, No.	19724
AUTHOR INST.	 Craiu, V., Anghel, P., and Burnei, M. Not given The Production of Sorbitol by the Elect Reduction of Glucose 	rolytic
ORIG. PUI).	Rev Chim, 9, No 7-8, 447-450 (1958)	
ABSTRACT	The electrolytic process for the production of sorbitol has been investigated. A flow sheet for the process is given and conditions for its operation are described. The effect of the nature of the cathode, temperature, and current density on current efficiency and yield of product has been investigated. Optimum reduction conditions have been determined, assurring 50-60% current efficiencies and 98% product yields. The advantage of the electrolytic process for the production of sorbi-	
CARD: 1/2		

19.0010

also 1273,1087

85171 R/003/60/011/007/001/003 A125/A026

AUTHORS 8

Calusaru, A., Engineer: Craiu, Vicrica, Engineer: Anghel, Paula,

Engineer, Candidate of Technical Sciences

TITLE:

On the Electrolytic Production of Metallic Titanium

PERIODICAL: Revista de Chimie, 1960, Vol. 11, No. 7, pp. 384 - 390

TEXT: Subject article deals with the electrolytic production of titenium. First, the authors present a brief historical review on various methods of electrolysis, i.e., the electrolysis of molten exides, the electrolysis of molten titanium halogenes, and the electrolysis of molten titanates, and list the following scientists, who were engaged in the development of one or the other method: Borchers and Huppertz; Skliarenko and Lipkes (Ref. 3); Sibert, McKenna, Steinberg and Wainer; Hatschek (Ref. 2); Kratky and Bruchner; Fischer and Dorsch; Cordner and Worner; Ckada and Kawane; Topinka and his co-workers; Burgess and Roberts; Brenner and Senderoff; Steinberg, Carlton and Wainer (Ref. 12). The last four scientists conducted a detailed study on the electrolysis of potassium fluotitanate (Ref. 12). Subject experiments refer to the production of metallic titanium by the electrolysis of potassium fluotitanate, dissolved in

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On the Electrolytic Production of Metallic Titanium

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sodium chloride molten in a protective atmosphere of argen (K2TiF6 - NaCl). The laboratory apparatus consists of: a) the argon purifying installation, and b) the electrolysis cell. The argon purifying installation is used for the removal of naxious impurities, i.e., oxygen, nitrogen and water. The electrolysis cell consists of the cell itself and the heating furnace. The operation temperature ranged from 700°C to 820°C, with 760°C as the most efficient temperature. The current intensity varied from 10 to 30 amp, and the current density from 120 to 750 amp/dr. The voltage on the plugs of the cell was 5 - 6 v. Table 1 presents the values of the intensity and voltage in function of the time. The electrolysis procedure lasted 1 - 2 h and the cooling procedure 2 h. The deposited titanium was introduced into distilled water of 60°C maximum, where the salt content of the deposed metal was dissolved. The drying was performed in a vacuum at a temperature lower than 60°C. Coal, oxygen and iron are impurities which are present in larger quantities. Reference is made to the source of these impurities and to some methods of reducing them. The "Debyegram" (Fig. 8) performed on a laboratory sample shows that this sample has parameters which are very close to the parameters of a product with a purity of 99.9%, indicated in technical literature. Table 3 presents some values computed on the basis of the "Debyegram" and compared with some values of usual titanium and 99.9% pure tita-

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On the Electrolytic Production of Metallic Titanium

nium, respectively. The current efficiency during the electrolysis varied be-

tween 45 and 75%, and the power consumption was around 26 kwh/kg of titanium. There are 4 figures, 5 photos, 1 set of photos, 3 tables and 12 references: 5 Soviet, 1 Rumanian, 4 English, 1 German and 1 Hungarian.

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85172

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R/003/60/011/009/001/002 A125/A026

AUTHORS:

Craiu, Viorica; Anghel, Paula; Călușaru, A.; - Engineers

TITLE:

Electrolytic Production of Zirconium Metal

PERIODICAL: Revista de Chimie, 1960, Vol. 11, No. 9, pp. 509 - 514

TEXT: Subject arricle deals with the method of electrolysis for the production of pure zirconium metal. Its production was studied by Troost; Marden and Rich; Driggs and Lilliendshl; Kroll and assistants; Steinberg and assistants (Ref. 2); Creamer, Chambers and White; Raynes, Thelleman, Steinberg and Wainer (Ref. 3); Anchieux and Dauphin; and Chauvin, Coricu and Huré (Ref. 4). In a previous work (Ref. 5) the authors published some experimental data on the electrolytic deposition of titanium metal. The data presented in subject article were obtained in the same apparatus (Figs. 1 and 2). The experimental procedure is based on the electrolysis of potassium fluozirconate, dissolved in molten sedium chloride. The authors studied the influence of the following parameters on the efficiency of substance and current: a) current density; b) temperature; c) composition of the electrolyte; d) electrolysis time; e) shape of the cathode; and f) nature of the cathode. a) The current density has a complex influ-

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Electrolytic Production of Zirconium Metal

ence depending on the interval of the current density at which the work is performed, on the dimensions and the shape of the cell and on the dimensions of the cathode. A high current density proved to be advantageous (Table 1). b) Influence of temperature (Table 2): A temperature of 80000 represents a minimum value. By increasing it to 850°C, the deposition procedure is improved. Above this temperature, the variations are smaller. Thus, 850°C are the maximum limit. c) Influence of the composition of the electrolyte (Table 3): Practically, it proved to be advantageous to sellect a ratio of K2ZrF6/NaCl equal to 1/2 d) Influence of the electrolysis time (Table 5): The most advantageous electrolysis time was found to be 2 - 2.5 h. e) Shape of the cathodes (Table 6): Only cylindrical and truncated cone-shaped cathodes were tested, but they proved to be identical in their efficiency. f) Nature of the cathodes: With regard to the current efficiency, the nature of the cathodes has no influence on the procedure. but influences the purity of the product. Steel and graphite cathodes have been excluded. Comparing a "V2A" cathode with a nickel cathode, the iron content of the zirconium produced was by 0.5% higher in case of the "V2A" cathode. Molybdenum cathodes are too expensive. The electrolytic zirconium was analysed spectrographically to establish the content of Cr. Cu, Mn, Sn, Al, Si, Re and Hf. Ni and Ca could not be found. The spectrographical analysis was accomplished

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Electrolytic Production of Zirconium Metal

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together with the Physicist M. Sterghiu. The iron centent of about 0.1% was accurately determined by chemical analysis. It is possibly due to the steel lining of the electrolytic cell. The content of hafnium, being approximately 0.01% does not modify the properties of zirconium. After an X-ray examination, no gaseous impurities were found. Table 7 presents the Debyegrams performed by the Physicist A. Ciccanel. There are 7 tables, 2 photographs and 9 references: 4 Soviet, 1 Rumanian, 2 English, 1 French and 1 Hungarian.

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Card 3/3

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R/003/61/012/003/001/004 D238/D302

AUTHORS:

Niederkorn, I., Engineer, Candidate of Technical Sciences, Creanga, O., Engineer, Craiú, V., Engineer, Burnei, M. and Nicu, I., Engineers

TITLE:

Manufacture of high-purity Si by means of the SiJ₄ method

PERIODICAL: Revista de chimie, v. 12, no. 3, 1961, 137-143

TEXT: The aim of this work is to provide the necessary technological data for producing transistor grade Si. The ${\rm SiJ}_4$ method was chosen because of the efficient means available for purifying the intermediate. Specifically, this method comprises 3 steps: (a) Synthesis of ${\rm SiJ}_4$. J₂(99.8% pure) and ${\rm Si}(99.9\%$ pure, obtained by treating a commercial grade with HCl and HCl/HF) were directly combined in a laboratory scale apparatus similar to that of G.J. Szekely (Ref. 1: J. Electrochem. Soc. 1957, v. 104, 663). It consisted of a quartz J₂ boiler, a vertical

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Manufacture of high-purity...

synthesis tube (quartz) and a SiJ $_4$ receiver. The J $_2$ vapors were produced by argon which was previously purified by passing it over CaH $_2$ at 350°C. CuO at 650°C, Mg(ClO $_4$) $_2$ and P $_2$ O $_5$ and finally over glass spheres coated with silicon grease. The same installation was used also on a larger scale. The influence of temperature on purity and yield of SiJ $_4$ was investigated at 500-900°C, using a charge of 100 g of J $_2$ heated to 190°C; 230g of Si packed in a column of 20 cm; 15 l/hr of argon; and a duration of synthesis of 2 hours. The optimum, attained at 700°C gave a yield of 98.8% of SiJ $_4$ analyzing 5.16% Si, ~10-3% Ca, Al and no Ti, Fe, Cu. The best J $_2$ /Si ratio at this temperature was found by varying separately the temperature of the J $_2$ boiler and the height of the Si column. The optimum combination was found to be 190°C and 20 cm respectively. (b) Purification of SiJ $_4$. (1) The crystallization of SiJ $_4$ from n-heptane, using an 8-fold molar excess of solvent, proved satisfactory $_1$ Abstractor's note: Card 2/5

27000

Manufacture of high-purity ...

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Nature of the amelioration not clearly stated (2) Alternatively, SiJ_4 was purified by distillation in an inert atmosphere. The charge of 2 kg heated in an air bath at 315°C, was distilled by means of a heated column made of quartz 1600 mm high and 30 mm wide, filled with Mo wire and provided with a magnetic reflux regulator. At a column temperature of 305°C a reflux ratio of 1/3 to 1/5 and a fractionation efficiency of 10 theoretical plates, a product was obtained, the middle fraction (60%) of which contains only 10^{-8} % B and 10^{-4} % Ca. The residue contained up to 10^{-2} % B. This enrichment is probably due to the formation of B-complexes. (c) Thermal decomposition of SiJ_4 in vacuo. SiJ_4 was charged through a side-arm into a 1 lit. quartz vessel heated by an oil bath. The vapors of SiJ_4 passed into a horizontal "suprasil" quartz tube, protected by another quartz tube and heated to 1050° C. Silicon is compactly deposited on the "suprasil" tube, while the J vapors are subsequently trapped. The whole system was evacuated to 5.10^{-5} ... 1.10^{-5}

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Manufacture of high-purity ...

Torr. Table 7 shows the relation of the yield of decomposition to the consumption of SiJ₄. A spectrally pure Si is obtained. Activation analysis showed up to 10⁻⁵% of As, and Si from previously crystallized material contained only 10⁻⁶% of B. There are 6 figures, 7 tables and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: G. Szekely, J. Electrochemical Soc. 1957, nr., 11, vol 104, p 663; Lifton, F.B. Andersen, H.C. J. Electrochemical Soc. 1954, nr. 6, vol. 101, p.287; 1951. vol. 98, p.488.

(For Table 7 see next card)

Card 4/5

NIEDERKORN, I.; CRAIU, Viorics; NICU, Iulia

Advanced purification of silicon tetraiodide. Rev chimie Min petr 13 no.11:648-652 N '62.

"APPROVED FOR RE	LEASE: Thursday, July 27, 2000	CIA-RDP86-00513R00030932
CRAMARIU	ic, R.	
Till media angga is treat an		
On the Conservation of	the Energy in a Medium With an Elect	romagnetic Viscosity
	Rosman, Hugo; et Cramariuc, Radu. Sur vation de l'énergie dans les milieux à viscosité nétique. Bul. Inst. Politehn. Iași (N.S.) 49-52. (Romanian. Russian and French	la conser- électromag- 2(6) (1956), summaries)

CIORASCU, F.; CRAMARIUC, R.; CROITORU, M.; CROITORU, P.; IONESCU, D. SEMENESCU, G.

Electrostatic generator with band. Studii cerc fiz 11 no.4:1033-1041 '60. (ERAI 10:8)

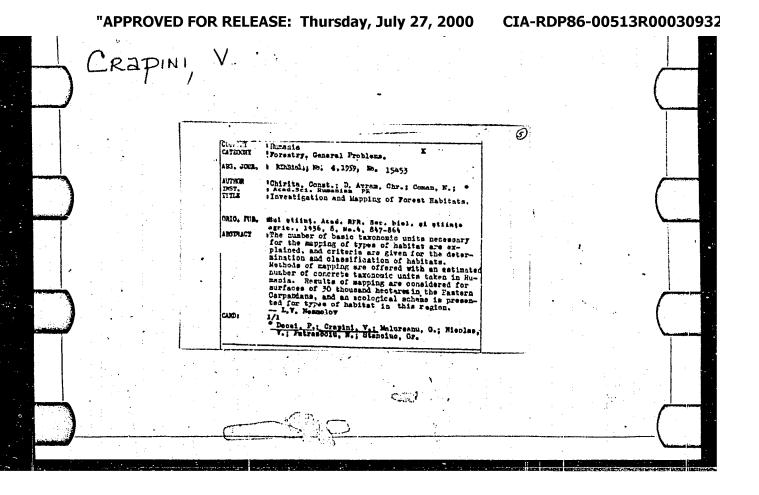
1. Institutul de fizica atomica, Bucuresti. 2. Comitetul de redactie, Studii si cercetari de fizica, redactor responsabil adjunct (for Ciorascu). (Electrostatic generators)

Card 1/1

JANOUSEK, inz.; BAUMGARTL, inz.; CRANDE, inz.

Dust removal from fumes in the electric power plant in Opatovice. Energetika Cz 11 no.10:499-500 0 161.

1. Clenove komplexni brigady zavodni odbocky Ceskoslovenske vedeckotechnicke spolecnosti, Elektrarna Opatovice



CRASNARU, N.

Inoxidable steels containing nitrogen. p. 7. TEHNICA NOUA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor) Bucuresti. Vol. 3, No. 36, Feb. 1956.

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

CRASNARU, N.

The use of oxygen in siderugy. p. 8. (TRHNICA NOUA. RUMANIA. Vol. 3. no. 57. July 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

SURIAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Farmacia, Vol IX, No 9, Sep 1961, pp 563-571.

Data: "On the Extractive Solutions Included in the 7th Edition of the Rumanian Pharmacopoeia and Suggestions for the Next Pharmacopoeia.

Authors:

CRASNARU, P., -Pharmacist.-ZAHACINSCHI, N., -Pharmacist.-

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