

EXCERPTA MEDICA Sec 14 Vol 13/4 Radiology Apr 59

766. CONVERSION RATIO FOR RADIOACTIVE IODINE IN CARDIAC THYROTOXICOSIS - Konverzní faktory radioaktivního jodu u kardiálních thyreotoxikó - Vohnout S. Röhling S. and Šilink K. Vyzkumný Úst. Endokrinol., Praha - ČAS. LÉK. ČES. 1958, 97/29 (902-909) Tables i Illus. 18

In 58 individuals with abnormal thyroid function a classification of thyroid dysfunction into 5 groups according to intensity was made on the basis of detailed clinical investigation and long-term follow-up (classification: hypofunction, eufunction, mild thyrotoxicosis, moderate and severe thyrotoxicosis) and the relationship of the conversion ratio for I^{131} to the degree of functional abnormality was tested. It was demonstrated that a high conversion ratio at 24 hr. (over 60%) occurs only in moderate and severe thyrotoxicosis regardless of whether this state was symptomatically slight or marked. A low conversion ratio (less than 60%) was found not only in cases of slight thyrotoxicosis, euthyroids and hypothyroids, but also in several cases of moderate and severe thyrotoxicosis. This method, therefore, cannot be used to differentiate the clinical grade of thyropathy, but is a very valuable aid in the differential diagnosis of cardiac dysfunction.

(XIV, 6, 18)

VOHNOUT, S.

VOHNOUT, S.; BRABENGOVA, H.

Biochemistry of iodine; determination of iodine in potable surface waters. Cas. lek. cesk. 89 no.43:1205-1206 27 Oct 50.
(CLML 20:4)

1. Of the Central Endocrinological Institute in Prague (Head-
-Docent K. Silink, M.D.).

Vohout Stanislav

Med
Accumulation and excretion of iodine-131 in the diagnosis of thyroid disorders. Svatopluk Röhling, Stanislav Vohout, K. Hrabová, and Karel Šilink (Ústřední Endokrinol. Ústav, Prague). *Casopis Lékařů Českých* 94, 1371-4 (1955).—To 8 euthyroid controls, 8 cases with slight oligosymptomatic thyrotoxicosis, 5 with moderately severe thyrotoxicosis, 3 with severe thyrotoxicosis, and 5 with very slight hypothyroidism, a dose of 0.1 mc. I^{131} (I) was administered orally and the accumulation of I in the thyroid gland was measured *in situ* by Geiger-Müller counting. Urinary excretion of I was also followed. Plots of the results show that the variation of the excretion test leads to overlapping between the various groups of subjects. The accumulation test appears superior; the 24-hr. value is not sufficient for diagnosis, but at least 3 measurements must be made (2, 6, and 24 hrs.).

4

SILINK, K.; MAJEROVA, A.; CERNY, K.; VOHNOUT, S.; HOSCHL, R.

Investigation on I-131 and iodine fractions in differential
diagnosis of carcinoma of the thyroid gland. Neoplasma, Bratisl.

7 no.1 suppl:123-126 '60.

(IODINE metab)

(THYROID GLAND neopl)

SOUMAR, J.; ROHLING, S.; REISENAUER, R.; VOHNOUT, S.

Use of I-132 in thyroid function tests. *Cas. lek. Cesk.* 104
no.44:1206-1210 5 N '65.

1. Vyzkumny ustav endokrinologicky v Praze (reditel doc. dr.
K. Silink, DrSc.).

FELT, V., Praha 1, Narodni tr. 8; VOHNOUT, S.; RÖHLING, S.

Effect of triiodothyrenine and thyroxine on the binding capacity
of human serum for thyroid hormones. Cas. lek. Cesk. 104 no.44:
1210-1213 5 N '65.

1. Vyzkumny ustav endokrinologicky v Praze (reditel doc. dr.
K. Silink, DrSc.). Submitted December 1964.

FELT, V., (Praha 1, Narodni tr. 8); GONCAROV, N.P.; VOHNOUT, S.

Effect of cortisone and ACTH on plasma cholesterol in Macacus rhesus monkey. Cas. lek. Cesk. 104 no.44:1213-1216 5 N '65.

1. Vyzkumný ústav endokrinologický v Praze (reditel doc. dr. K. Silink, DrSc. a Institut experimentální patologie a terapie AMN (reditel prof. B.A. Lapin, DrSc.) Suchumi, SSSR. Submitted November 1964.

CZECHOSLOVAKIA

VOHRADSKY, Frantisek, MVDr, CSc

Legon, Ghana

Brno, Veterinarstvi, No 12, December 1966, pp 563-566

"Veterinary care on a University farm in Ghana."

VOHRYZEK, OTA

VOHRYZEK, OTA. Orani a kultivace. 2. přepracované a doplnené vyd. Praha, Státní zemědělské nakladatelství, 1956. 258 p. (Plowing and tillage. 2d rev. and enl. ed.) DA Not in DLC

VOHRYZEK, OTA
AGRICULTURE
Czechoslovakia

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

VOIADZHIEV, Georgi, Prof.; IARUKOV, Liubomir, d-r.; BELOPITOV, Borislav
d-r.

Considerations on the female pelvis. Izv.med.inst.,Sofia 11-12:
689-719 1955.

1. Klinika po akusherstvo i ginekologija (zav.katedrata: prof.
d-r Georgi Voiadzhiev) pri visshia meditsinski institut .

V. Chervenkov-Sofia.

(PELVIMETRY,

analysis of pelvic dimensions)

VCICHESCU, P.; SPACU, P.; OVANESIAN, A.

Important products resulting from the action of chlorine on certain silicates; preparation of silicon tetrachloride from diatomite. p. 195. Academia Republicii Populare Romine. STUDII SI CERCETARI DE CHIMIE. Bucuresti. Vol. 3, no. 3/4, July/Dec. 1955.

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

PROCESSES AND PROPERTIES INDEX

B-I-8

BC

Preparation of silicon tetrachloride, using native (Russian) starting materials, in view of its use as a fumigant agent. G. HPAOU and P. VOZNEZOV (Bul. Soc. Silicate Ch.), 1938, 8, 65-76.—In the prep. of $SiCl_4$ according to $SiO_2 + 2Cl_2 + 2C = SiO + SiCl_4$, the most economic and convenient sources of SiO_2 are the silicates. An apparatus is described in which $SiCl_4$ is prepared by chlorination of (in particular) andalusite (97.4% SiO_2) in presence of wood charcoal. Its large-scale production is considered. W. R. A.

METALLURGICAL LITERATURE CLASSIFICATION

GROUP

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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VOICHESCU, P.

Rumania/Chemical Technology. Chemical Products and Their Application -- Mineral salts.
Oxides. Acids.
Bases, I-5

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5021

Author: Spacu, P., Voichescu, P., Ovanesian, A.

Institution: None

Title: Products Obtained on Action of Chlorine on Some Silicates. Production of Silicon Tetrachloride from Diatomite

Original

Publication: Studii si cercetari chim., 1955, 3, No 3-4, 195-201

Abstract: SiCl_4 was obtained by chlorination of diatomite (containing a small amount of Fe_2O_3) in the presence of coal as a reducing agent. The diatomite being porous has a large contact surface of active silica, which makes possible a ready reduction; the chlorination reaction takes place at a low temperature ($730-750^\circ$). Bisulfite liquor is used as binder for the raw material. Yield of SiCl_4 is 46-50%.

Card 1/1

ROMANIA / Chemical Technology. Chemical Products and H
Their Application. Ceramics. Glass. Binding
Materials. Concretes.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65207

Author : Voichescu P, Dinescu A

Inst : -

Title : Mineralizing Action of Fluorapatite on Portland
Cement Clinker

Orig Pub: Bul. Inst. politehn. Bucuresti, 1956, 18, No 3-4,
231-243

Abstract: It was established that raw-material mixtures
with fluorapatite act in the capacity of a miner-
alizer cake at a temperature of 1410°. The pre-
sence of a continual isomer series $2CaO \cdot SiO_2 - 3CaO \cdot$
 P_2O_5 in a 4-component system $CaO - 2CaO - SiO_2 - CaF_2 -$
 $3CaO \cdot P_2O_5$, which belongs to the mixture investi-

Card 1/2

ROMANIA / Chemical Technology. Chemical Products and H
Their Application. Ceramics. Glass. Binding
Materials. Concretes.

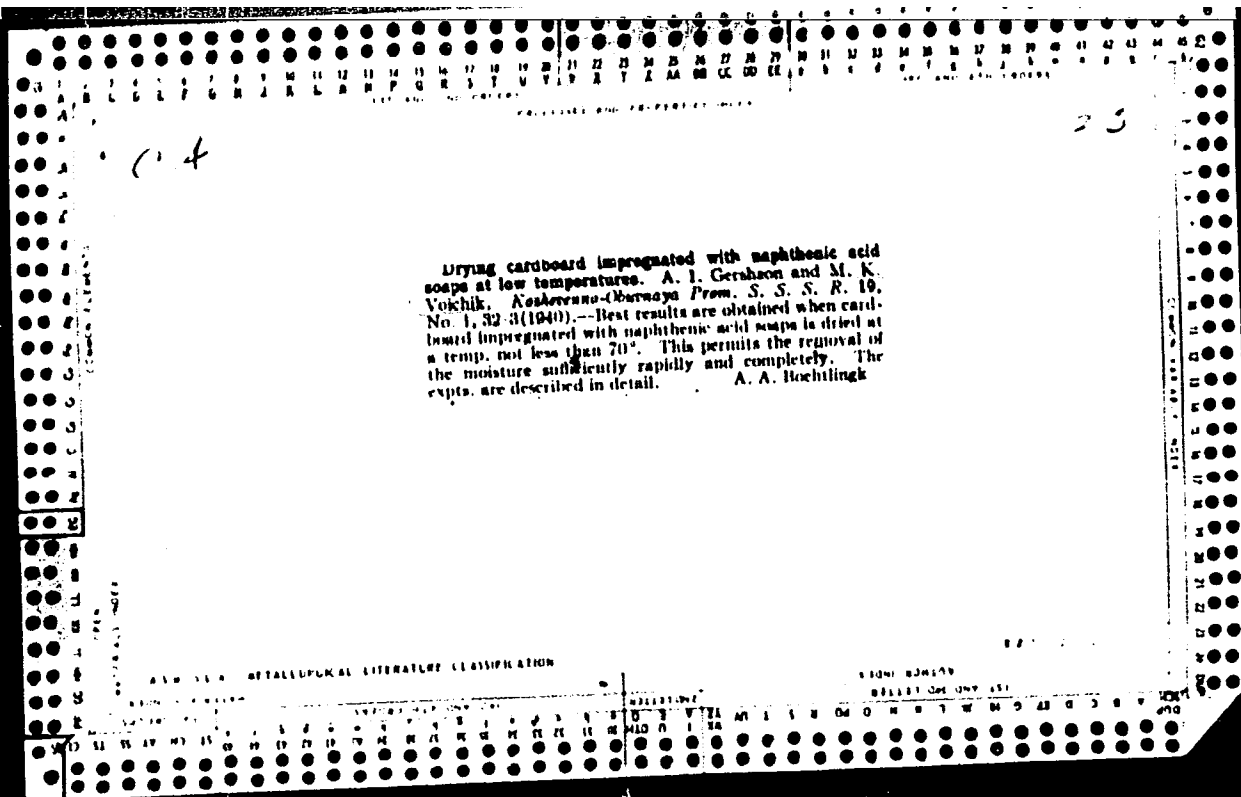
Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65207

Abstract: gated, specifies the process of mineralization. The eutectic point of this system lies below 1205° , while the normal clinker of the system $\text{CaO-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3\text{-SiO}_2$ forms the liquid phase at 1338° . According to a comparison with CaF_2 , fluorapatite reduces the temperature of the formation of the liquid phase by 40° . Fluorapatite exerts a stabilizing action on $\beta\text{-}2\text{CaO}\cdot\text{SiO}_2$, by expanding the zone of its stability to the temperature of the environment. The method of cooling the clinker from the mixtures mineralized by the fluorapatite has no influence on the quality of the cement.

Card 2/2

comps. increases with increasing at. vol. of the central metal atom. The heats of formation of the ammoniates of I in kg.-cal. are: deca 5.14, octa 3.57-5.51, hexa 10.73, tetra 12.44-12.75, di 14.62, and mono 16.19. Up to a coordination no. of 6 the NH_3 mols. can be bound directly to the central atom.

T. H. Dunkelberger



C 2
1951

9

Radioactive tracers aid blast-furnace research. E. W. Voice (Brit. Iron and Steel Research Assoc., London). *Steel* 129, No. 11, 102-7(1951); cf. C.A. 45, 4617. With radon, injected through one tuyère by an elec. detonator and a ballistic charge to shatter the Au tube contg. the gas, the time for the gas to travel from tuyère level to the stock-line was detd. Co⁶⁰ was used to det. lining wear. Exptl. techniques are detailed. W. A. Mudge

VOICHIN, I., prof. (Ploiesti)

Visiting the Johann Gutenberg 8-year school No. 14 in Erfurt.
Natura Geografie 16 no. 1:60-61 Ja-F '64.

ROMANIA

VOICHIU, Irina, Professor, Bucharest (affiliation not given).

"On the Activity of a Biology Circle of the Pupils."

Bucharest, Natura. Seria Biologie, Vol 15, No 2, Mar-Apr
1963, pp 57-63.

Abstract: Discusses the extracurricular activities of
8th grade pupils supplementing the botany lessons. De-
scribes some of the experiments and methods used in
connection with the discussions on tropism and births.
Includes 8 figures.

1/1

VOICHIN, Irina, prof. (Moscow)

Experiment Station for Scientific Research, Acad., U.S.S.R.
Natura Biologie 17 no.1:78-81 Ja-F 1965.

VOICHIN, Irina, dr. (Ploiești)

Demonstrations and experiments using living material at the
zoological lessons. Pt. 1. Natura Biologie 15 no.6:63-69
N-D '63.

VOICHIN, Irina, prof. (Ploiesti)

Demonstrations and experiments using live material in zoology
lessons. Pt. 2. Natura Biologie 16 no. 1: 62-68 Ja-F '64.

VOIGHIN, Irina, prof. (Ploiesti)

Aspects on the activity of a student biological circle. Natura
Biologie 15 no.2:57-63 Mr-Apr '63.

VOICHIN, Irina, prof. (Ploiesti)

Some experiences from the teaching of zoology in the 4th grade. Natura
Biologie 16 no.4:63-70 J1-Ag '62.

VOICHINOV, A.

Introduction of cultivation of *Artemisia maritima* on large scale
in Bulgaria. Farmatsiia 4 no.2:26-30 Mr-Apr '54.

(PLANTS,

**Artemisia maritima*, cultivation in Bulgaria)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860410008-3"

How to organize the analysis of morbidity with the temporary incapacity
of work. Munca sindic 7 no.3:55-57 Mr '62.

1. Membru in comitetul sindicatului, responsabilul comisiei de
asiguari sociale, Uzinele "Republica", Bucuresti.

SORU, Eugenia; DIMA, V.F.; VOICOULESCO, R.

Intracellular distribution of arginase (L-arginine-ureohydrolase EC 3.5.3.1) in staphylococci. Arch. Roum. path. exp. microbiol. 23 no.4:951-958 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Services de Biochimie generale et du Microscope electronique. Submitted June 13, 1964.

ZARNEA, G.; ALEXANDRESCO, N.; IONESCO, Honorina; VOICULESCO, R.; SZEGLI, Lucia; PEREDERI, S.; MUNTEANU, P.

Epidemiological research on a focus of Q fever on an agrozootechnical farm. Arch. Roum. path. exp. microbiol. 20 no.1:1-12 Mr '61.

1. Travail de l'Institut "Dr. I. Cantacuzino" - Service des Rickettsioses - et de la Station sanitaire anti-epidemie (SANEPID) d'Arad.

(Q FEVER epidemiol)

VOICULESCU, A.; BALANESCU, Fl.

Circulatory and respiratory adapation in arterial hypertension.
Fiziol. norm. pat. 11 no.2:143-152 Mr-Apr '65.

1. Institutul de expertiza medicala si recuperarea capacitati de
munca.

T-5

Voicu

RUMANIA/General Problems of Pathology - Tumors.

Abstr Jour : Ref Zhur - Biol., No 3, 1958, 12817

Author : Mihalka, E., Garciu, F., Voicu

Inst : Not given

Title : A Case of a Tumor of the Thymus in an Infant.

Orig Pub : Pediatría, 1956, 5, No 3, 268-271

Abstract : A female infant was separated from her mother, who had pulmonary tuberculosis, at the moment of birth and fed artificially. At the age of 5 months (4850 g) severe paroxysms of asphyxia appeared with marked dyspnea and cyanosis; they received daily during feedings. Clinical and laboratory studies were within normal limits. Roentgenologically there was a widening of the mediastinal shadow characteristic of tumor of the thymus. A temporary improvement followed X-ray therapy but later

Card Card 1/2

COCIASU, E., dr.; STOICESCU, C.C., dr.; ZIRA, A.M., dr.; VOICU, A., dr.

On certain general mechanisms concerning the irrelation of histamine, sulfur and sulfurous mineral waters. Med. intern., Bucur 12 no.7: 1061-1065 J1 '60.

(ALLERGY, therapy)

(HISTAMINE, blood)

(SULFUR, therapy)

(MINERAL WATERS, therapy)

IONESESCU, V.; CHELCHIANU, G.; VOICU, A.

Dyssynergia cerebellaris myoclonica (Ramsay-Hunt syndrome). Rev.
sci. med. 7 no.3/4:153-155 '62.

(CEREBELLAR DISEASES)

(MYOCLONUS)

(EPILEPSY)

(GENETICS, HUMAN)

ANGHELESCU, V.; TIRNOVEANU, G.; TRIFAN, G.; CIOBANU, C.; VOIGU, A.

Contributions to the study of staphylococcal gastro-enteritis
in children. Rumanian M. Rev. 4 no.1:58-60 Ja-Mr '60.

1. Hospital for Children in Galati (Director: Dr. Virgil
Anghelescu).

(GASTROENTERITIS in infancy & childhood)

(STAPHYLOCOCCAL INFECTIONS in infancy & childhood)

VOIGU ALDEA, G.

Behavior of temperature changes of magnets used in magnetoelectric
measuring devices. Metrologia apl 6 no.2:70-74 Ap-Je '59.

VOICU, D.

~~SURNAME~~, Given Names

Country: Rumania

Academic Degrees: -Engineer-

Affiliation: General Directorate of Geotopography and Territorial Organization
of the Ministry of Agriculture (Directia Generala Geotopografica si

~~SOURCE~~ a Organizarii Teritoriului din Ministerul Agriculturii).
Source: Bucharest, Revista de Geodezie si Organizarea Teritoriului, Vol V,
~~Date~~ No 4, 1961, pp 22-36.

Data: "Principles and Work Procedures Concerning the Terracing of Sloped
Terrains for Vineyards."

670 92163

VOICU, G.

Superficiality and bureaucratic style have nothing to do with trade-union activities.

P. 4 (Constructorul. Vol. 9, no. 394, Aug. 1957, Bucuresti, Rumania)

Monthly Index of East European Accessions (FEAI) LC. Vol. 7, no. 2,
February 1958

STOENESCU, V.; STATICA, St.; VOICUK G.

Application of some methods of calculation used to determine the evaporation in the West Plain (between the Mures and Someș Rivers) and in the Depression of the Jijia River. Studii hidrol 2:125-142 '62.

VOICU, Gh.

Training and improving the cadres. Constr Buc no.756:1. 4 July
'64.

VOICU, Se.

Finishings, an activity of great importance. Constr. for 1964
19 5 164.

GHEORGHE, V.; VOICU, Gh.

Trade unions organize. Constr Buc 16 no.776:4 21 N '64.

VOICH, G.

The activity develops according to the diagram. Constr. Doc 17
no.787:2 6 F '65.

Collective contract at the beginning of a new year. Ibid.:4

GHEORGHE, V.; VOICU, Gh.

Educative work could have been better. Constar 848 17 no.793:2
20 Mr '65.

VOICU, Gh.

The meeting of production has analyzed the construction activity.
Constr Buc 16 no.746:4 25 April '64.

VOICU, Gh.

Shortening the time of construction. Constr Buc 16 no.745:4
18 Ap '64.

VOICU, Gh.

On the labor protection themes. Constr Buc 16 no.771:4
17 0 '64.

VOICU, Gh.

Obligations, achievements. Constr Euc 16 no.759:4
25 J1 '64.

VOICU, Gh.; SFART, M.

Bucharest constructors opened wide the doors of technical progress. Constr Buc 16 no. 740:4 14 March 1964.

VOICU, Gh.

Started work must be finished. Constr Buc 14 no.651:4 30 Je '62.

VOICU, Gheorghe

The thread of technological wave. Constr Buc 16 no. 755:2
27 June '64.

VOICU, Gh.

From the activity of some committees. Constr Buc 16
no. 752:4 6 June '64.

VOICU, Gh.

The support was on time. Constr Buc 16 no.744:4 11 April '64.

NITULESCU, M.; MOCIORNITA, C.; DINCA, A.; VIRCOL, L.; VOICU, Gh.; MIHAILESCU,
Gh.; NAE, D.; BARBAT, V.; MIHAIL, M.; MUSETESCU, P.; CORBAN, V.;
MATEESCU, M.

Monograph on the hydrology of the hydrographic basins of the Iza,
Viscu, Sapinta, Tur Rivers.

VOICU, Gh.

Trade-union members analyzing. Constr Buc 15 no.726:4 7 D '63.

VOICU, Gh.

Watching the stages, effective measures. Constr Buc 16
no. 73783 22 F'64.

VOICU, Gh.

Wishes which will be carried out. Constr Buc 15 no.729:4
28 D'63.

VOICU, Gh.

Preparations for the practice of students. Constr Buc 17 no.803:2
29 My '65.

VOICU, Gh.

Practice of apprentices must be better organized. Constr Buc
15 no.688:4 16 Mr '63.

VOICU, Gh.

Consumption of as few hours as possible for the construction of an
apartment. Constr Buc 15 no.722:3 9 N '63.

VOICU, Gh.

On the construction site favorable conditions were created
for good educational activity. Constr Buc 15 no.724:4 23 N '63.

VOICU, Gh.

Expectations for the next year will be carried out before
the date fixed. Constr Buc 14 no. 675: 1 15 December 1962.

VOICU, Gh.

Man and his needs, the center of attention. Constr Buc
14 no. 673: 4; 1 December 1962.

SMIRKA, Ovidiu, maistru; VOICU, Gh.

At a rapid pace. Constr Buc 16 no.735:l 8 F'64.

VOIGU, Gh.

There are tools but no room for them. Constr Bldg 16 no. 736:3
15 F'64.

STOENESCU, V.; VOICU, Gh.

First experimental results of reed transpiration in the
Danube Delta. Studii hidrol 5:169-196 '63.

STOENESCU, V.; TEODORESCU, E.; VOICU, Gh.

Evaporation on the lake surfaces in Rumania. Studii hidrol
5:73-167 '63.

VOICU, Gh

First effects, collective contracts. Constr Buc 17 no. 786:2
30 Ja '65.

VOICU, Gh.

On the mechanization theme. Constr Buc 17 no. 20012 2 Vy '65.

VOICU, Gh.

Fundamental transformations. Constr Buc 17 no.790-1 27 8 15.

VOICH, Gh.

From the experience of the trade-union committee of the
Fieni Cement Works. Constr Buc 17 no.797:2 17 Ap '65.

RUMANIA

OANCEA, Tr., Colonel, Medical Corps; ATHANASESCU, S., Colonel, Medical Corps; POPESCU, P., Lieutenant-Colonel, Medical Corps; BACHMAN, N., Lieutenant-Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; IONESCU, P., Major, Medical Veterinary Corps; SAFTA, T., Major, Medical Veterinary Corps; NOVACEK, A., Captain, Medical Corps; VOICU, Gh., Captain, Medical Corps; and SINGER, D., Lieutenant-Colonel, Medical Corps.

"Experimental Research on the Effectiveness of Some Therapeutic Measures in Blast Injury Shock"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 58-62

Abstract: Study on 44 dogs and 70 rabbits and 26 guinea pigs, exposed to shock from explosion of 2 kilograms of "Trotit" [TNT?] at varying distances from 2.2 to 25 meters away; use of "Dip-Dol" [Diparcol (diethazine) with Dolantin (pethidine)?] with a tracheostomy. The neuroplegic treatment had good effects as had the tracheostomy in acute respiratory insufficiency. Artificial respiration was pointless. 1 chart, 2 kymograms, 3 tables.

RUMANIA

OANCEA, T., Colonel, Medical Corps; ATHANASESCU, S., Colonel, Medical Corps; CINDEA, V., Captain, Medical Corps; POPESCU, P., Lieutenant-Colonel, Medical Corps; GIURGEA, Gh., Major, Medical Corps; YOICU, Gh., Captain, Medical Corps; SAFTA, T., Major, Medical Corps; and IONESCU, P., Major Medical Corps.

"Cardiac Tamponade -- a Study of the Physiopathology with Therapeutic Lessons in Peacetime and Under Conditions of War"

Bucarest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 62-66

Abstract: Study on 10 dogs, producing penetrating scalpel wounds to left cardiac ventricle, 1-3 centimeters in extent; careful monitoring of cardiovascular sequelae. The causes contributing to either rapid death or unexpected recovery through presence of just the right amount of blood to block hemorrhage without overloading heart were investigated in detail. 3 photographs of surgical specimens.

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RUMANIA

OANCEA, T., Dr, Col, ATHANASESCU, S., Dr, Col, POPESCU, P., Dr, Lt-Col, ~~BACIMAN, M.~~ Dr, Lt-Col, CIMDEA, V., Dr, Cpt, and VOICU, Gh., Dr, Cpt [affiliation not given]

"Indications and Value of Bilio-Digestive Anastomoses."

Bucharest, Revista Sanitara Militara, Vol 62, No 4, Jul-Aug 66, pp 675-682.

Abstract: A report on 13 bilio-digestive anastomoses, performed as emergency operations in the course of treating 200 cases of extrahepatic biliary conditions. The importance of careful technique and proper selection of the operative site is stressed. Good results were obtained especially with the Floercken method, which was used on 7 cases.

Includes one table, 7 figures and 24 references, of which 9 Rumanian, 14 French and one English-language. -- Manuscript submitted 7 February 1966.

1/1

PROCESS AND PROPERTY INDEX

A-1

de

On the basis of the above, it is concluded that the reaction of acids with metals in the presence of oxygen is a complex process. The reaction of acids with metals in the presence of oxygen is a complex process. The reaction of acids with metals in the presence of oxygen is a complex process.

A-1-1 METALLURGICAL LITERATURE CLASSIFICATION

GROUP	SECTION	SUBSECTION	SECTION	SUBSECTION
A	B	C	D	E

131 AND 136 SERIES PROCESSED AND PROPERTY INDEX

2-4

BC

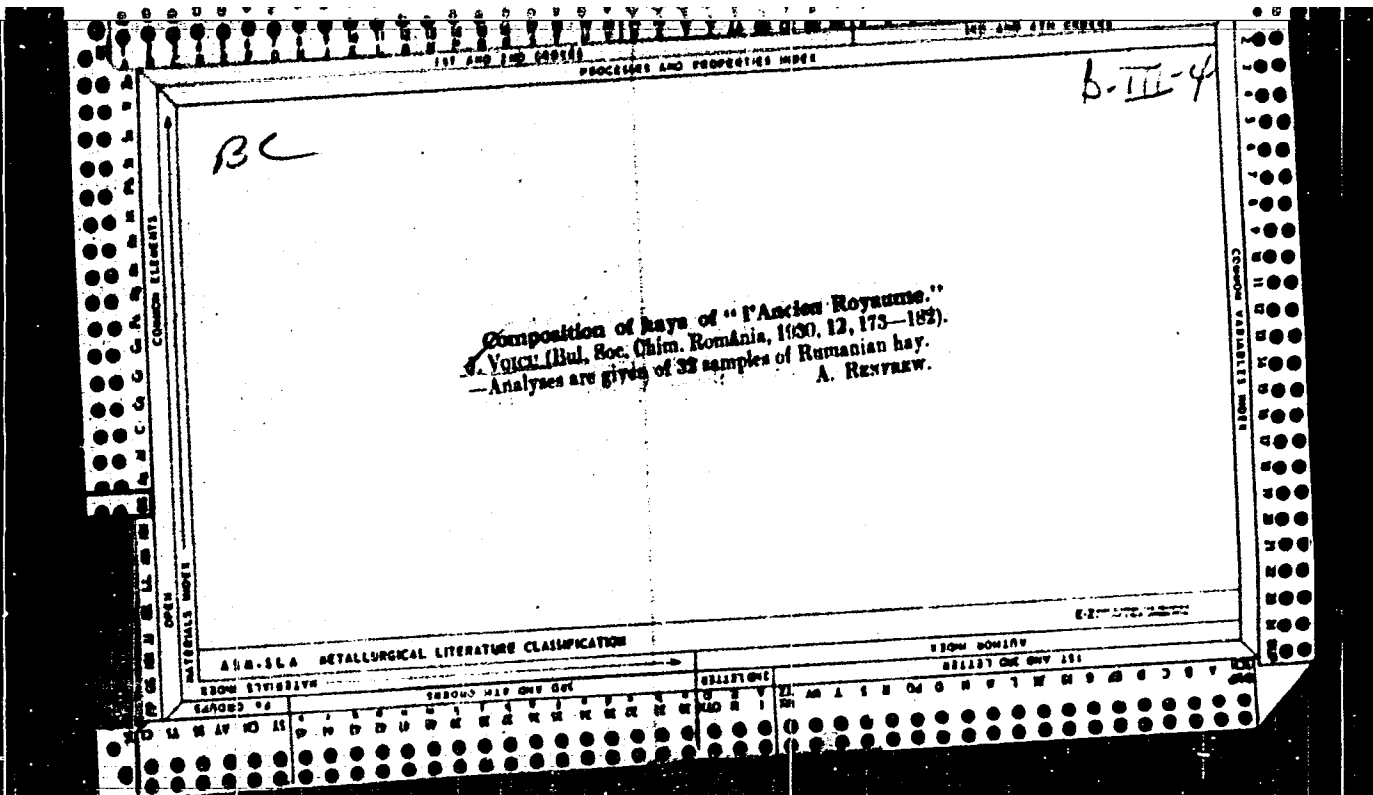
(A) Effect of small and large amounts of humus on the fixation of nitrogen by *Acetobacter chroococcum* in presence of various quantities of mineral and calcium salts. **(B) Influence of humus on nitrogen-fixing organisms. A direct reaction and Clostridium pasteurianum in mixed mixtures. Biochemical action of humus.** J. VOLOS and E. LUKOULASCU (Bul. Soc. Chim. Romania, 1930, 22, 71-81, 83-89).—**(A)** Humus affects *A. chroococcum* in two ways: it influences the utilization of energy foods and the rate and degree of nitrogen fixation. Under the same conditions these effects are controlled by the nature of the energy food available. In doses of 5 mg. per 100 c.c. of culture medium, humus accelerates the utilization of sucrose, but retards that of dextrose. In doses of 100 mg. per 100 c.c. humus gives positive but variable effects throughout. So far it has not been possible to correlate acceleration of fixation with total yields of fixation products.

(B) The effect of adding humus to cultures of *O. pasteurianum* and *A. chroococcum* may be compared with that of lowering the oxygen pressure in the culture, with a corresponding reduction of the rate of oxidation. The difficulty of oxidizing humus in the soil, and the slow rate with which its nitrogen becomes available, are considered valuable factors in soil plant-food economy. E. HOLMES.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED INDEXED SERIALIZED REFERENCE

131 AND 136 SERIES



PROCESSING AND PROPERTIES INDEX

15

CA

INFLUENCE OF HUMUS ON THE FIXATION OF NITROGEN, AZOTOBACTER CHROOCCOCUM AND CLOSTRIDIUM PASTORIANUM IN IMPURE MIXTURE. CONCLUSIONS CONCERNING THE BIOCHEMICAL ACTION OF HUMUS. *Juliu Yoicy and Elena Lungulescu. Bul. soc. chim. Roumania 12, 82-9 (1930).*-
 The action of humus on *Cl. pastorianum* and *A. chroococcum* should be considered as the result of the slowing up of the process of oxidation. The effect is similar to that produced by the lowering of the O tension. The N of humus is in a difficultly oxidizable complex and is always available to the plants. The resistance of humus to oxidation is a result of its interference with the activity of ~~many~~ aerobes.

Rachel Brown

ASR-51A METALLURGICAL LITERATURE CLASSIFICATION

19041 804194

6211111 621 621 111

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1ST AND 2ND CODES
PROCESS AND PROPERTY INDEX

CA

The chemical composition of some hays from natural and cultivated meadows of the old kingdom. JULIU VOICU. *Bul. soc. chim. Romania* 12, 173 (1939). — In hays of a good quality the P_2O_5 content was over 0.5%. In 4 out of 27 samples it was below 0.3%. The amt. of total nitrogenous material varied from 5 to 13.16%, that of the natural meadows being higher. The coeff. of digestibility of the proteins varied from less than 50 to 73.17. The cellulose content generally varied inversely with the coeff. of digestibility. The fatty content ranged from 1.31 in poor hay to 3.6% in excellent hay. The ratio of CaO to MgO normally varied from 3 to 4. Cultivated hay was relatively low in CaO and high in MgO as compared with natural hay. R. H.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CODES

PROCESS AND PROPERTY INDEX

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PROCESSING AND PROPERTIES INDEX

Effect of small and large amounts of humus on the fixation of nitrogen by *Azotobacter chroococcum* in the presence of different quantities of mannitol and of calcium malate as sources of energy. JULIU VOICU AND ELENA LUNGULESCU. *Bul. soc. chim. Romania* 12, 71-81(1930).—The effect of humus on the disappearance of the source of energy and the rate of fixation of N in cultures of *Azotobacter chroococcum* has been studied. A synthetic culture medium was used. As sources of energy saccharose, glucose, dextrin, starch, mannitol and Ca malate were added in 2% amts. Humus was added to the different media in 5 mg. % and 100 mg. %. The humus, prepd. by a 0.5% NaOH extn. of manure previously extd. by 1% HCl, contained 4.66% N and 3.4% ash. A small quantity of humus accelerates the disappearance of saccharose but retards the disappearance of glucose. The large amt. of humus always accelerates the disappearance of energy and the fixation of N, and increases the yield. The expts. do not confirm the existence of a relation between the acceleration of the fixation of N and the increase in yield. If such a relation exists, it is limited to a certain period of vegetation and detd. by the compn. of the humus. RACHEL BROWN

METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROPERTIES INDEX

1ST AND 2ND EDITIONS

COMBINATION OF SUCROSE WITH BORIC ACID. Considerations based upon variations of acidity of boric acid in the presence of sugar. JULIU VOICU AND ECORNIA AXENTR. *Bul. soc. chim. Romania* 12, 61-70(1930).—A soln. of boric acid in the presence of sucrose (0.9 Af) (30.78%) varies considerably in acidity, and one is forced to assume that this disaccharide combines with boric acid. The existence of this combination is more apparent in more moderate dilns. of boric acid. The max. increase of acidity appears at 1/2 mol. (1.03%) of H₃BO₃. At a concn. of 1/2 mol. (4.13%) H₃BO₃ this increase of acidity hardly exists any more. In view of the fact that the boric acid exists in concd. solns. in the "tetra" form, in dil. soln. in the "ortho" form and in view of the weak tendency of sucrose to combine with H₃BO₃, one can explain satisfactorily this behavior of H₃BO₃ and sucrose. Every time when dealing with a boric acid-sugar combination which corresponds to an increase in acidity, one has to do with very moderate concns. of H₃BO₃. It seems from the graphic representations of these results that the boric acid in the presence of sucrose exists in the "orthoboric acid" form, which combines with the sugar. One is forced to assume that there is an influence which disturbs the tetraboric acid. This influence manifests itself the more as the compd. sugar-boric acid possesses a less acid character. The diagrams show us the acidity of the boric acids in various concns. and the acidity of the combination of boric acid-sugar, the concn. of which is unknown.

F. R. GREENBAUM

ASME-SE-A METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

OPEN

COMMON ELEMENTS

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

PROCESSES AND PROPERTIES INDEX

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CR

Influence of humus on the fixation of nitrogen: *Azotobacter chroococcum* and *Clostridium pasteurianum* in impure mixture. Conclusions concerning the biochemical action of humus. JULIU VOICU AND ELENA LUNGULESCU. *Pub. soc. chim. Romania* 12, 82-9(1930).--The action of humus on *C. pasteurianum* and *A. chroococcum* should be considered as the result of the slowing up of the process of oxidation. The effect is similar to that produced by the lowering of the O tension. The N of humus is in a difficultly oxidizable complex and is always available to the plants. The resistance of humus to oxidation is a result of its interference with the activity of aerobes. RACHET. BROWN

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

PROCESSES AND PROPERTIES INDEX

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ca

Influence of boric acid on the oxidation of organic substances with which it combines. I. Analytical methods for determining sugars. JULIUS VOICU AND VIRGINIA DUMITRASCU. *Bul. soc. chem. Romania* 11, 15-24(1929). — Böscken has studied the action of H_2BO_3 on polyhydroxy compds. (*C. A.* 20, 2180, 3157, 3158, 3163). Levy has studied their oxidation in H_2BO_3 (*C. A.* 22, 2926). V. and D. have tested the standard methods on inverted sucrose and glucose in H_2BO_3 . The results were: Meissl-Alilhn (I) 10% low, Bertrand (II) 8% low, Willstätter (III) (*C. A.* 17, 2252) 80-90% low, picric acid (*C. A.* 17, 2123) 90% low and $K_3Fe(CN)_6$ (*C. A.* 22, 2339) 100% low. I and II gave correct result with less than 1% H_2BO_3 and III if prolonged 24 hrs. with 1% sugar and 1.4% H_2BO_3 gave results 0.8% low.

V. F. HARRINGTON

ASM - S.A. METALLURGICAL LITERATURE CLASSIFICATION

REVISIONS

REVISIONS

VOICU, J.

Influence of boric acid on butyric fermentation and respective bacteria in synthetic medium. Studii cerc biol veget 15 no.2: 251-270 '63.

1. Comunicare prezentata de academician N. Salageanu.

VOICU, Lucis, bahn.

Causes of spots appearing after fiberboard pressing. (in German)
14 no. 3: 310-312 4g 163.

IANCU, I.; VOICU, M.; ONOFREI, A.

Some peculiarities in thoughts during consciousness pathologically modified by insulin hypoglycemia and narcosis. Rev psihologie 10 no. 2:123-135 '64.

Voicu, M.

Country	: ROMANIA	H-13
Category	: Chemical Technology. Ceramics. Binding Materials. Concrete	
Abs. Jour	: Ref Zhur-Khimiya, No 14, 1959, No 50484	
Author	: Mihail, A.; <u>Voicu, M.</u>	
Institute	: -	
Title	: Bondage Between the Foundation Cement and Metal Surfaces	
Orig Pub.	: Bul. Inst. politehn. Iasi, 1957, 3, Nos 3-4, 309-314	
Abstract	: No abstract.	

Card: 1/1

IANCU, I.; VOICU, M.

Contributions to the study of the relations between the waking state, consciousness, and attention during insulin hypoglycemia. Rev psihologie 10 no.4:293-304 '64.

1. Institute of Psychology, Rumanian Academy, Bucharest.

VOICU, M.; VASILESCU, I.

Preparation of calcium gluconate by biochemical oxidation of glucose. p. 89.

REVISTA DE CHIMIE. Eucaresti, Rumania. Vol. 10, no. 2, Feb. 1959.

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

Uncl.

CIORANESCU, Ecaterina; BUCUR, Aurora; ELIAN, M.; BANCIU, M.; VOICU, M.;
NENITZESCU, D. D. [Nenitescu, C.D.]

Carbonium ion reactions. Pt. 3. Rev chimie Roum 10 no.2:161-174
F '65.

1. Institute of Organic Chemistry of the Rumanian Academy,
Bucharest. Submitted November 17, 1964.

GIORANESCU Ecaterina; BUCUR, Aurora; ELIAN, M.; BANCIU, M.; VOICU, M.;
NENITESCU, J.D.

Carbonium ion reactions. Pt. 3. Studii cerc chim 14 no.2:147-159
F '65.

1. Institute of Organic Chemistry, Rumanian Academy, Bucharest.
Submitted November 17, 1964.

VOICU, Maria

"Thinking and speaking." Edited by N.I. Jinkin [Zhinkin, N.I.],
F.N. Semiakin [Shemyakin, F.N.]. Rev psihologie 11 no.1:130-132
'65.

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CA

Distilling petroleum oils and treating them with solid industrial method of refining with decolorizing earth according to the "Gray" system. Ovidiu Voicu. *Analele minelor Romania* 16, 97-100 (March, 1933); *Chem. Zentr.* 1933, II, 1119-20; cf. *C. A.* 28, 5648¹; *Analele minelor Romania* 16, 11-12 (Jan., 1932).—Methods are given for refining the naphthas passing through the Gray tower with S and Na plumbite. According to V., removal of mercaptans is best accomplished by using cupric salts. Phys. and chem. properties of products obtained from Roumanian raw oils as well as data on the stability of the cracked products are given. M. G. Moore

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

VOICU, O.; POPESCU, F.; BASARABESCU, T.

Contributions for obtaining some nonionogenic products with
surface activity. Notes II. Rev chimie Min petr 13 no.3:
146-152 Mr '62.

Voicu, O.

Distr: 4E3d

✓ Use of isododecylphenol and dodecylphenol as oxidation inhibitors. O. Voicu, P. Popescu, and T. Buzarabescu. *Rev. Roum. Chim.* 11: 967 (1966). The use of long-chain alkylphenols, such as isododecylphenol, dodecylphenol, and dodecylresorcinol, is recommended as antioxidants in thermally cracked resins. R. D. SANCHEZ

5
 BW/BW
 4 18
 2 18

VOIGU, O.; POPESCU, F.; BASARABESCU, T.

Use of dodecylphenol and isooctylphenol as antioxidizing inhibitors.
Petrol si gaze 11 no.3:130-134 Mr '60.

(Dodecylphenol) (Isooctylphenol) (Antioxidants)

5(2)
14(5)

R/007/60/011/03/008/017
D0021/D3001

AUTHOR: Voicu, O., Popescu, F., and Basarabescu, T.

TITLE: Utilization of Isooctyl Phenol¹ and Dodecil Phenol as Oxidation Inhibitors ↑

PERIODICAL: Petrol și Gaze, 1960, Vol 11, Nr 3, pp 130 - 134

ABSTRACT: The article deals briefly with the study of the effect of some anti-oxidating agents on Rumanian cracked gasoline and refers to the first studies on altered cracked gasoline carried out by Egloff and others. O. Voicu and F. Popescu suggested the use of long-chain alkyl-phenols, in this case isooctyl phenols, isooctyl cresols and dodecil phenols as inhibitors with anti-oxidating effect for thermally cracked gasoline. For this purpose the authors carried out laboratory experiments on the

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R/007/60/011/03/008/017
D0021/D3001


Utilization of Isooctyl Phenol and Dodecyl Phenol as Oxidation
Inhibitors

inhibition of oxygen in gasolines. Gasolines treated with tested inhibitors showed the characteristics given in table 2. Two types of gasolines were used in the test, i.e. 1) STAS 176, type B, engine gasoline with a minimum octane number of 60 and which contained about 30% of cracked gasoline, 2) cracked reformed gasoline of the Dubbs type. Both types of gasoline were produced by the Nr 4 Rafinăria (Refinery) in Cîmpina. By comparing the data in table 3 and results obtained from laboratory experiments, the following conclusions were drawn: 1) Alkyl phenols and alkyl cresols produced by the authors and utilizing higher olefins produced by the Rumanian petroleum industry, can be employed as anti-oxidating additives for cracked gasolines; 2) the introduction of these additives into engine gasolines has the following advantages: a) economy in the refining process, b) octane number is maintained at its initial value

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R/007/60/011/03/008/017
D0021/D3001

Utilization of Isooctyl Phenol and Dodecyl Phenol as Oxidation
Inhibitors

based on the pressure of non-saturated hydrocarbons,
and c) increase of storage time without an effect
on the quality. There are 3 tables, 1 figure and 13
references, 4 of which are Rumanian, 2 French and 7
English. 

SUBMITTED: 24 October 1959

Card 3/3

VOICU, O.; POPESCU, F.

Contributions to the study of the alkylation of phenols and cresols with superior olefins. Studii cerc chim 7 no.4:588-602 '59.

(EEAI 9:7)

1. Institutul de cercetari pentru foraji si extractie, Laboratorul de substante tensioactive, Cimpina.

(Phenols) (Cresols) (Alkylation) (Olefins)

