

SERBAN, M.; TANASESCU, D.; VASU, S.

Contributions to the application of the Lowry micromethod under conditions of protein fraction evaluation eluded by gradient chloride of potassium concentration. Studii cerc biochimie 6 no.1:115-123 '63.

I. Institutul de biochimie al Academiei R.P.R., Bucuresti.

*

SERBAN, Mariana, prof. (Turnu Severin)

Some aspects of the activity of the Circle of Small Naturalists
in the Pioneers' House of Turnu Severin. Natura Biologie 15
no.6:69-74 '63.

SERBAN, Mihail, cercetator principal

Polarography in chemotherapy, biochemistry, and biology;
International Symposium, Jena, 1962. Studii cerc biochimie 6
no.1:164-165 '63.

1. Institutul de biochimie al Academiei R.P.R., Bucuresti.

X

SERBAN, Mihail; TANASESCU, Dinu

Comparative research on sarcoplasmatic proteins from smooth and striated musculature. Studii cerc biochimie 6 no.4:559-572 '63.

1. Institutul de biochimie al Academiei R.P.R., Bucuresti.

SERBAN, Mihail

Phylogeny of aqueous soluble cerebral proteins and their chemical fractionization. Studii cerc biochimie 6 no.3:383-393 '63.

1. Institutul de biochimie al Academiei R.P.R., Bucuresti.



SERBAN. Mihail

Polarography of cerebral proteins aqueous soluble in phylozeny. Studii
cerc biochimie 7 no.2:267-277 '64.

1. Institute of Biochemistry, Rumanian Academy. Submitted Feb-
ruary 18, 1964.

SERBAN, Mihail

Free amino acids in the brain in phylogeny. *Studia cerc biochimie* 7 no.3:433-439 '64.

I. Institute of Biochemistry, Rumanian Academy, Bucharest.
Submitted June 21, 1964.

L 41121-66 EWP(k)/ENP(t)/ETI IJP(c) JH/JD
ACC NR: AP6030201 SOURCE CODE: RU/0017/65/000/007/0358/0363
AUTHOR: Marcu, P. (Engineer); Bock, I. (Engineer); Serban, M. (Chemist) 46B
ORG: Metallurgical Research Institute (Institutul de cercetari metalurgice)
TITLE: Elaboration and casting of deformable corrosion-resistant alloys of the Al-Mg type
SOURCE: Metalurgia, no. 7, 1965, 358-363
TOPIC TAGS: metal casting, corrosion resistant alloy, aluminum, aluminum alloy property, magnesium alloy
ABSTRACT: A report on the preparation and casting under laboratory conditions of deformable alloys of the aluminum-magnesium type. The addition of chromium and boron was found to have favorable effects, especially with regard to increased corrosion resistance and improved mechanical properties. E. Radulescu, M. Caba, I. Suciuc and H. Kremer participated in the research. Orig. art. has: 12 figures and 5 tables. [JPRS]
SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 004

Card 1/1 hs

UDC: 669.715.018.8:621.741.71

0918 1075

DUMA, D.; SERBAN, M.; POPOVICIU, L.; LAZAR, Tr.; MARES, V.; TARANU, Al.

Histochemical research in various muscular diseases. Stud.
cercet. neurol. 10 no.3:159-165 Je '65.

MANTA, I.; DUMA, D.; LAZAR, Tr.C.; POPOVICIU, L.; CATANA, Rozalia;
PIRVU, Maria; SERBAN, M.

Biochemical research on experimental allergic encephalomyelitis.
Pt.2. Fiziol. norm. pat. 11 no.3:237-242 My-Je '65.

1. Catedra de biochimie si Clinica de neurologie, Institutul
medico-farmaceutic, Cluj.

CATALIN, E., Ing.; CĂLĂBĂȘ, A., Ing.; ȘERBAN, M., Ing.

Electrification of petroleum refineries and the technical and economic effects of the substitution of the energy carrier agent. Petrol si gaze 15 no.1:31-39 Ia '64.

DUMA, D.; PAPILIAN, V.V.; VUIA, C.; SERBAN, M.

Histochemical aspects of demyelinating leukoencephalitis. Rev. sci.
med. 7 no.1/2:41-45 '62.

(ENCEPHALITIS)

(DEMYELINATION)

POPESCU, Dumitru; SERBAN, Maria

Comparative study of some physiological processes of
different species and hybrids of corn, under field conditions.
Anal St Jassy II 10:63-76 '64.

SERBAN, M.

SERBAN, M.

SERBAN, M. A title from document. p. 750.

No. 12, 1956.

INDUSTRIA CONSTRUCTIVĂ SI A MONTAJELOR DE CONSTRUCȚII.

TECHNICAL

PRINTED

Re: East European accession, Vol. 6, No. 5, May 1957

SERBAN, M.A.

RUMANIA / Chemical Technology, Chemical Products and Their Application. Part 2. - Ceramics, Glass, Binders, Concretes. - Binders, Concretes, and Other Silicate Building Materials. H-13d

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12071.

Author : H. Landau, M. A. Serban.

Inst : Not given

Title : Computation of Mineralogical Composition of Cement Klinker and Its Influence on Cement Strength.

Orig Pub : Ind. constructiilor si mater. constr., 1957, No 4, 239 - 245.

Abstract : 3 computation methods are compared. It is noted that the Soviet method using nomographs is the most convenient and simplest.

Card 1/1

RUMANIA/Chemical Technology, Chemical Products and Their
Application, Part 3. - Pesticides.

H-18

Abs Jour: Referent. Zhurnal Khimiya, No 10, 1958, 33612.

Chem. Soc., 1944, 66, 1886) (the aryl, the melting point
in °C and the solvent used at the recrystallization are
enumerated): C₆H₅, - , - ; n-CH₃OC₆H₄, 170 to 171, alco-
hol + benzene; n-IC₆H₄, 186 to 187, absolute alcohol;
n-CH₃C₆H₄, - , - ; n-BrC₆H₄, 169 to 170, absolute alco-
hol; n-ClC₆H₄, 153 to 154, absolute alcohol; n-FC₆H₄,
172, absolute alcohol; n-NCC₆H₄, 176 to 177, absolute
alcohol. N-arylsulfonyldiphenylamines (III) were synthe-
tized in a similar way (diphenylamine was used instead
of I) (same indices): C₆H₅, 129, - ; n-CH₃OC₆H₄, 124 to
125, absolute alcohol; n-IC₆H₄, 157, absolute alcohol;
n-BrC₆H₄, 153 to 154, absolute alcohol; n-FC₆H₄, 131,
absolute alcohol; n-NCC₆H₄, 193.5, absolute alcohol.
The II-s and III-s are insecticides of contact and in-

Card : 2/3

16

SERBAN, N.

"Increase of tomato yield by treatment of seeds with stimulants"

p. 1053 (Comunicarile, Vol. 7, No. 12, Dec. 1957, Bucharest, Rumania)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1,
Jan. 58.

Country : RUMANIA
Category : Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour : RZhBiol., No 6, 1959, No 24895

Author : Balan, D.; Serban, N.

Inst : Academy of RPR.

Title : Increasing the Harvest of Tomatoes by Treating
the Seeds with Growth-Stimulating Agents.

Orig Pub : Comun. Acad. RPR, 1957, 7, No. 12, 1951-1958

Abstract : The treatment of tomato seeds (prior to sowing)
by 3 percent potassium bromide for 3 hours and
by a 2 percent solution of hydroxinone assisted
in increasing the harvest by 9-10 percent, the
size of the fruits and the ascorbic acid content
by 13-48 percent. Treatment of the seeds by potas-
sium permanganate reduced the harvest by 8.8 per-
cent.

Card : 1/1

SERBAN, N.

Distr: 4E3d/4E2c(j)

The ozonolysis and Raman spectrum of vinylcyclohexanol.
 L. Almási, N. Serban, and I. Felneri. *Acad. rep. populare Romine, ~~Revista~~ Studii cercetari chim.* 8, 347-50 (1957).—Vinylcyclohexanol (I) (1.6 g.) in 30 ml. CHCl₃ was cooled to -70° and satd. with O contg. 4-5% ozone. Removal of solvent *in vacuo* yielded 2 g. yellow liquid ozonide, n_D²⁰ 1.4622. This was refluxed with water for several hrs. Peroxides were removed by adding Pd black and boiling 24 hrs. Quant. estn. of products showed formaldehyde (II) (25.5%), formic acid (III) (60.83%) and cyclohexanone (IV). Total % of II and III corresponded to a terminal methylene group. The Raman spectrum of I showed the highest intensity line at 1643 cm.⁻¹, which is characteristic of a double bond between primary and secondary C atoms.
 Michael Cars

21

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SERBAN, Nicolaie, ing.

Manufacture of foundry models made of epoxy resins.
Metalurgia constr mas 14 no. 3: 199-207 Mr '62.

1. Institutul Tehnologic pentru Constructii de Masini si Electrotehnica.

L 55179-65

EWP(w)/EWA(d)/T/EWP(t)/EWP(b) D

176

ACCESSION NR: AP5017593

RU/0017/64/000/007/0292/0296

AUTHOR: Serban, N. (Engineer)

TITLE: Elaboration and casting of high-silicon cast iron

SOURCE: Metalurgia, no. 7, 1964, 292-296

TOPIC TAGS: metal property, metal corrosion, pig iron, silicon alloy, iron

ABSTRACT: The author analyzed the physical and mechanical properties of cast irons with nodular and lamellated graphite in terms of their silicon contents. The results presented lead him to conclude that silicon alloying has a favorable effect to the oxidation resistance at high temperature of the resulting cast iron. Orig. art. has: 4 tables, 7 graphs, 4 figures.

ASSOCIATION: I.C.T.C.H.

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NR REF SOV: 000

OTHER: 000

JPRS

Card 1/1

BRUCAN, Francis; GEMIN, Hecize; JOL, Ion; K. LOCAL, Alexandra; RALON,
Aspa

A novel route to 3β -hido- Δ^5 -pregnene and 4β -pregnallene
derivatives. Rev chimie Roum 9 no.13:637-643 1964.

I. Institute of Chemistry of the Romanian Academy, Cluj, Str. Boroth
65.

HODOSAN, Emelise; POP GOGAN, Alexandra; SERBAN, Nicolae

Synthesis starting from hydroxycholeic acid. Rev chimie Roum
10 no.1:97-101 Ja '65.

1. Institute of Chemistry of the Romanian Academy, Cluj, 59-
65 Donath Street.

HOROGAN, Francisco; SPREAN, Nicolae; JIUF, Ioana; POP-LUCAN, Alexandra;
FLOCH, Arpad

A new way to obtain 3β -halo- Δ^5 -pregnene and $\Delta^{3,5}$ -pregnediene derivatives. Studii cerc chim 13 no.10:662-673 (1964).

1. Institute of Chemistry, Rumanian Academy, Cluj, 65
Bucharest.

HODCSAN, F.; POP-GOCAN, Alexandra; SERBAN, N.

Syntheses starting from hyodeoxycholic acid. Studii cerc chim
14 no.1:95-99 Ja '65.

1. Rumanian Academy, Institute of Chemistry, Cluj, 65 Str. Donath.
Submitted June 18, 1964.

SERBAN, Nicolae, ing.

Manufacturing foundry models of epoxy resins. Metalurgia
constr mas 14 no.3:199-207 Mr '62.

1. Institutul Tehnologic pentru Constructii de Masini si
Electrotehnica.

BUSTEA, Maria, dr.; DABIJA, Viorica, dr.; GHEORGHE, Ileana, dr.;
IONESCU, E., dr.; IONESCU, Zenobia, dr.; LUNGU, Felicia, dr.;
SALOMIN, Nadia, dr.; SAVIN, Valentina, dr.; STANESCU, I., dr.;
STOICA, V., dr.; SERBAN, N., dr.; VISAN, Valeria, dr.

Our results in the treatment of complications of dental caries.
Stomatologia (Bucur) 12 no.1:9-16 Ja-F'65.

1. Colectivul Serviciului de stomatologie al Spitalului uni-
ficat de adulti, Constanta.

SERBAN, G.

"Making model planes in a new era." p. 21, (AVIATIA SPORTIVA, Vol. 5, No. 8, Aug. 1954, Bucuresti, Romania)

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

S/081/63/000/001/030/061
B144/B186

AUTHORS: Serban, O., Nicolescu, I. V.

TITLE: Solubilization of alkyl-aromatic hydrocarbons in solutions of colloidal electrolytes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 110, abstract 1B773 (Ser. stiint. natur., v. 10, no. 30, 1961, 141-150 [Rum.; summaries in Russ. and French])

TEXT: The solubilization of cumene and diisopropylene benzene was studied in solutions of some surface-active agents (SAA). The following conclusions were drawn: the solubilization of hydrocarbons increases with increasing concentration of SAA. Solubilization depends on the nature both of the SAA and of the hydrocarbon. Additions influence the solubilization of hydrocarbons, Na_2CO_3 and particularly increases the solubilization. In all cases a change in the solubilization rate was observed in the SAA concentration range from 0.6 to 1.5%. From the SAA studied, the sodium salt of isooctyl toluene sulfonic acid gives the

Card 1/2

Solubilization of alkyl- ...

S/081/63/000/001/030/061

B144/B186

highest solubilization. [Abstracter's note: Complete translation.]

Card 2/2

SERBAN, O., ing.

Natural gas and crude oil in blast furnaces. St si Teh Buc 15
no.4:6-7 Ap '63.

SERBAN, O., ing.

Magnetoformation. St si Teh Buc 16 no.6:30 Je '64.

SERBIN, O.L.

Using automatically operated cement waterers for cows. Mekh.sil'.
hosp. 11 no.1:14 Ja '60. (MIRA 13:4)

1. Direktor Zhitomirskoy remontno-traktorskoy stantsii.
(Cattle--Watering)

LONDON, Micaela; SERBAN, P., Dr.; POPOVICI, Carmen

Value of hematological modifications for the evaluation of nitrobenzene toxicity. Pracovni lek. 11 no.3:166-167 Apr 59.

1. L'Institut d'Hygiene et de Sante Publique de Roumania--Section d'Hygiene du Travail.

(NITROBENZENE, toxicity,
blood changes in animals (Fr))

SERBAN, P.

26

- Eachrest, Winn, William, Vol VIII, No 18, 15 Sep 61
1. "Microbiologic Considerations of the Etiology of Infectious Mononucleosis" by Dr. P. Serban, 1952-1953, Archives of Pathology and Laboratory Medicine, Vol. 5, No. 1, pp. 1-10.
 2. "Mononuclear Infections: Etiology and the Question of Its Etiology" by Dr. P. Serban, Journal of Clinical Microbiology, Vol. 1, No. 1, pp. 1-10. (This article is reprinted in the Journal of Clinical Microbiology, Vol. 1, No. 1, pp. 1-10.)
 3. "Contributions to the Study of the Etiology of Infectious Mononucleosis" by Dr. P. Serban, Journal of Clinical Microbiology, Vol. 1, No. 1, pp. 1-10.
 4. "Etiology of Infectious Mononucleosis" by Dr. P. Serban, Journal of Clinical Microbiology, Vol. 1, No. 1, pp. 1-10.
 5. "Etiology of Infectious Mononucleosis" by Dr. P. Serban, Journal of Clinical Microbiology, Vol. 1, No. 1, pp. 1-10.
 6. "Case of Infectious Mononucleosis" by Dr. P. Serban, Journal of Clinical Microbiology, Vol. 1, No. 1, pp. 1-10.
 7. "Etiology of Infectious Mononucleosis" by Dr. P. Serban, Journal of Clinical Microbiology, Vol. 1, No. 1, pp. 1-10.

- X -

DINISCHIOTU, G.T., prof.; MUICA, N., dr.; RADULESCU, I.C., dr.; GEORGESCU,
A.M., dr.; SERBAN, P., dr.; CRACIUN, O., dr.

The Colinet-Caplan syndrome. Med. intern., Bucur 12 no.9:1419-
1428 S '60.

1. Lucrare efectuata in Clinica de boli profesionale a Institutului
de igiena si sanatate publica al R.P.R. si i Spitalului "Colentina",
Bucuresti.
(SILICOSIS, complications) (ARTHRITIS, RHEUMATOID, complications)

SERBAN, P.; PAPP0, A.; PRISLOPEANU, A.; TASCA, C.; BREAZU, H.

2 cases of primary obstruction of the suprahepatic veins (Budd-Chiari disease). Stud. cercet. med. intern. 4 no.2:211-217 '63.
(HEPATIC VEIN THROMBOSIS)

STREIAN, C., dr.; SERBAN, Paula, intern.

Pulmonary function tests in congenital cardiovascular mal-
formations with left-right shunts. Med. intern. (Bucur.)
16 no.4:469-473 Ap'64.

1. Sectia ASCAR , Timisoara (coordinator: prof. H.Aubert).

*

SHERBAN, P. [Serban, P.]; TASHKY, TS. [Tasca, T.]; FILIPPOVICH, A.
[Filipovici, A.]; KONSTANTINESKO, M. [Constantinescu, M.];
KOSTYCHESKO, P. [Costachescu, P.] (Bukharest)

Letterer-Siwe disease (tumorous form with lipidosis). Arkh. pat.
(MIRA 18:5)
27 no.5:19-24 '65.

SERBAN, S.

RUMANIA/Chemical Technology. Chemical Products and H
Their Uses. Part III. Food Industry.

Abs Jour : Ref Zhur-Khimiya, No 15, 1958, 51935

Author : Radu, A., Grijincu, S., Serban, S.
Inst : -
Title : Productive Yield in Bucharest's Slaughter
House when Pigs of Different Breeds and
Weights are Slaughtered.

Orig Pub : Probl. zootehn. si veterin., 1958, No 2,
36-36

Abstract : No abstract

Card : 1/1

SERBAN, S.

Methylamines from methanol and ammonia. Rev chimie Min petr
14 no.8:451-454 Ag '63.

SPACU, P.; ANTONESCU, Elena; MAVRODIN, Maria; SERBAN, Silvia

Separation of yttrium from lanthanum and cerium. Note I. Studii cer
chim 10 no.1:91-95 '62.

1. Centrul de cercetari chimice, Sectia de chimie anorganica,
Bucuresti. 2. Membru al Comitetului de redactie "Studii si cercetari
de chimie" (for Spacu).

SPACU, P.; ANTONESCU, Elena; MAVRODIN, Maria; SERBAN, Silvia

Studies on some yttrium, lanthanum, and cerium compounds with various organic acids. Studii cerc chimie 10 no.2:163-209 '62.

1. Laboratorul de chimie anorganica, Centrul de cercetari chimice al Academiei R.P.R., Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari de chimie" (for Spacu).

SPACU, P.; MAVRODIN, Maria; ANTONESCU, Elena; SERBAN, Silvia

Contributions to the separation of yttrium from lanthanum and cerium.
Pt. 2. Studii cerc chim 10 no.3/4:357-362 '62.

1. Centrul de cercetari chimice al Academiei R.P.R., Sectia chimie
anorganica, Bucuresti.

SPACU, P.; SERBAN, Silvia; MAVRODIN, Maria; ANTONESCU, Elena

Method for gravimetric determination of yttrium. Studii cerc chim 10
no.3/4:363-366 '62.

1. Centrul de cercetari chimice al Academiei R.P.R., Laboratorul
de chimie anorganica, Bucuresti.

SPACU, P.; ANTONESCU, Elena; MAVRODIN, Maria; SERBAN, ~~MIHA~~

Contributions to the separation of yttrium from lanthanum and cerium. Rev chimie 8 no.1:95-114 '63.

1. Institute of Chemistry of the Academy of the R.P.R., Bucharest.
2. Corresponding Member of the Academy of the R.P.R. (for Spacu).

SPACU, P.; MAVRODIN, Maria; SERBAN, Silvia; ANTONESCU, Elena

Gravimetric determination of rare earth by mucic acid. Studii cerc
chim 11 no.2:247-250 '63.

A method of separating yttrium from uranium. 251-254

1. Sectia de chimie anorganica a Centrului de cercetari chimice al
Academiei R.P.R., Bucuresti. 2. Membru Corespondent al Academiei
R.P.R. (for Spacu).

RUMANIA

DINU, M., Dr, Prof, SERBAN, Silvia, Eng, and VIICU, Blazena, Eng, of the "N. Balcescu" Agronomic Institute (Institutul Agronomic "N. Balcescu"), Bucharest.

"A Means of Stimulating the Growth and Fattening of Animals."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16, No 11, Nov 66, pp 13-18.

Abstract: The authors report the results of a number of experiments relating to the use of feces (particularly horse and chicken feces) as a growth stimulant. Good results were obtained in the fattening of pigs and in the raising of chickens. The economic advantages of the method are briefly discussed, and the importance of proper sanitary measures is emphasized.

Includes 4 tables and 7 references, of which 2 Rumanian, 2 Russian and 3 Western.

SEKIAN, Stefan

Mechanization and its effects. Constr Buc 16 no.76211 15 Ag '64.

1. Chief Mechanical Engineer, Siderurgical Construction Enterprise,
Hunedoara.

SERBAN, Silvia

DECEASED
c/1962

1964

CHEMICAL PRODUCTS

PALENC SAR, A., dr.; IEC HINTAN, M., dr.; SERBAN, T., dr.; MAKAI, Margareta;
KASZA, L., dr.

Chronic jaundice with conjugated bilirubin of the Rotor type.
Considerations on a clinical case. Med. intern. (Bucur) 17
no.2:233-235 F'65.

1. Lucrare efectuata in Clinica de boli infectioase Institutul
medico-farmaceutic, Tirgu mures (director: prof. L. Kelemen).

L 01071-66 EWT(1)/T/EEC(b)-2 IJP(c) GG

ACCESSION NR: AP5009591

GE/0030/65/009/001/0055/0062

AUTHOR: Topa, V.; Matei, L.; Serban, T. ⁵⁵ ⁵⁵ ²¹ ⁵⁶

41
37
B

TITLE: New exciton bands in KI:Na crystals containing A-centers

SOURCE: Physica status solidi, v. 9, no. 1, 1965, 55-62

TOPIC TAGS: exciton, exciton band, impurity center, potassium iodide crystal, single crystal, potassium iodide, sodium doped crystal

ABSTRACT: Type A-centers are found in KI:Na single crystals. The conversion $F \rightarrow A$ is followed in the visible region and near the fundamental absorption edge. The intensity of the β -band decreases with the formation of A-centers and at the same time a new band (β_A) is formed at longer wavelengths. The disappearance of A-centers results in a broad A_c -band in the visible region which is accompanied by the formation of an α_A -band in the ultraviolet region, at wavelengths shorter than those corresponding to the α -band. As the intensities of the A_1 - and β_A -bands are proportional the occurrence of the β_A - and α_A -bands can be explained qualitatively by exciton formation near A-centers or vacancies which are due to negative ions with a Na ion as nearest neighbor. "The authors would like to thank Prof. Tarjan

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Card 1/2

L 01071-66

ACCESSION NR: AP5009591

for his helpful discussions on the occasion of presenting this work at the Conference of Solid State Physics, Bucharest, November 1964." Orig. art. has: 7 figures. ⁴

ASSOCIATION: Institute of Physics, Bucharest ^{SS}

SUBMITTED: 04Jan65

ENCL: 00

SUB CODE: SS

NO REF SOV: 000

OTHER: 012

Card

2/2

DP/

SERBAN, Vl., ing.

Device for reproduction of the indicating sensibilities of supersonic apparatus. Rev caillor fer 12 no. 5:277-279 My '64.

1. Planning Institute for Transport and Telecommunications.

POP, Ecaterina, ing.; SERBAN, Vladimir, ing.

Controlling the structure of malleable cast iron with the aid of ultrasonics. Metalurgia constr mas 16; no.1:18-21 Ja '63.

1. Uzinele de masini agricole "Semanatoarea" (for Pop). 2. Institutul de cercetari pentru transporturi si telecomunicatii (for Serban).

BERNATH, Al.; SAFTA, V.; SERBAN, Vl.

Studies on the correlation between ultrasonic transparence,
microstructure, and mechanical characteristics of railroad car axles.
Studii tehn Timisoara 10 no.2:255-277 JI-D '63.

SERBAN, Vl., ing.

Secondary echoes in the supersonic examination of the
hollander calibration device. Rev sailor fer 12 no.9:
493-498 S '64.

L 64945-65 EWP(c)/EWP(k)/EWA(c)/ETC(m)/EWP(b)/T/EWP(l)/EWP(v)/EWP(t) WW/JD/HM

ACCESSION NR: AP5023538

RU/0018/64/000/011/0603/0609

AUTHOR: Serban, Vladimir

45
B

TITLE: Contributions to the estimation of fault magnitude in sound-wave fault detection

SOURCE: Constructia de masini, no. 11, 1964, 603-609

TOPIC TAGS: ultrasonic vibration, nondestructive test, weld defect, welding inspection, acoustic wave

21,44,55

44 55 14

ABSTRACT: The author discusses the use of ultrasound for the location of welding faults. The method described employs the use of inclined feelers and a variety of electronic equipment; a mathematical criterion for the interpretation of the results is also discussed. Orig. Art. Incl.: 5 figures, 8 formulas, 2 graphs, and 3 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NR REF SOV: 001

OTHER: 002

JPRS

118
1/1

SERBANI, V.L., *ing.*

Simplification of the evaluation operation of the size of internal defects in the ultrasonic checked axles by the reference plate method. Rev caller for 12 no.11:632-642 N '64.

1. Research Institute for Transportation and Telecommunications.

Serban-Stroe, M.

FARMACIA

BALACI, P., MD; SERBAN-STROE, M., MD.

Laboratory of Pharmacology, School of Veterinary Medicine,
Bucharest (Laboratorul de farmacologie si receptura,
Facultatea de medicina veterinara) - (for all)

Bucharest, Farmacia, No 3, Mar 63, pp 169-172.

"The Stability of Penicillin and Streptomycin Solutions Stored
under Different Conditions."

(2)

COUNTRY : Rumania E-2
CATEGORY :
ABB. JOUR. : RZKhim., No. 1959, No. 86180
AUTHOR : Banateanu, Ch.; ~~Barbanescu, A.J.~~ *
INST. : Bucharest Institute of Petroleum and Gas
TITLE : Rapid Determination of Phosphoric Acid in
Kola Apatite and Bone Meal by the Method
of Copaux.
ORIG. PUB. : Lucrarile Inst. petrol si gaze Bucuresti,
1957, 3, 345-352
ABSTRACT : For determination of P_2O_5 in apatite and bone
meal, use is made of the method of Copaux (Copaux H., C. R.
des Seances de l'Acad. des sciences, 1921, 173, p. 656),
based on formation of ether-phosphomolybdic acid complex
in an acidic medium (pH 0.45-0.65). The latter, after
centrifugation, is separated from excess ether and water,
as a yellow, oily liquid, the volume of which depends on
 P_2O_5 content of the sample. To the sample being analyzed
(5 g) are added 10 ml concentrated HNO_3 and 50 ml concen-
trated P_2SO_4 , the mixture is evaporated until SO_3 -fumes
are evolved, cooled, 200 ml water are added, heated to a
boil, cooled, diluted with water to 500 ml, and filtered.
CARD: 1/3
* Vrabițescu, E.; Fedin, T.

104

SERBANESCU, Ana, ing.

Porphyrins found in Rumanian crude oils in various geologic formations, and study of their nature with the aid of absorption spectra. Determination of porphyrin contents. Practical meaning. Petrol si gaze 13 no.2:53-61 F '62.

SERBANESCU, Ana, ing.

Porphyrins found in Rumanian crude oil and studied by means of infrared
absorption spectra. Petrol si gaze 13 no.3:97-103: Mr '62

SERBANESCU, Ana, ing.

Study of the polarographic conduct of vanadium in crude oil ashes.
Petrol si gaze 14 no.4:194-205 '63.

SERBANESCU, Ana, ing.; ATANASIU, I., dr.

Polarographic research on the interfacial activity of porphyrins an important porperty in the formation of stable crude oil emulsion. Petrol si gaze 15 no.5:232-237 My'64.

SERBANESCU, Ana; ATANASIU, I.

Study on the simultaneous polarographic behavior of copper, cadmium, nickel, and cobalt in crude oil ashes. Petrol si gaze 15 no. 7:364-373 J1 '64.

SERBANESCU, Ana, ing.; ATANASIU, I., dr.

Study of the polarographic behavior of porphyrins in crude oils and their content determination in some Rumanian crude oils. Petrol si gaze 15 no.12:666-677 D '64.

L 31735-66 T/ENP(t)/ETI IJP(c) WE/JD/HW

ACC NR: AP6021174

SOURCE CODE: RU/0007/65/016/03-/0219/0233

AUTHOR: Serbanescu, Ana (Engineer)

25
B

ORG: none

TITLE: Study on the simultaneous polarographic behavior of nickel, cobalt, iron and manganese from the mineral residues of crude oils

21

SOURCE: Petrol si gaze, v. 16, no. 3-4, 1965, 219-233

TOPIC TAGS: crude petroleum, polarography, petroleum residue

ABSTRACT: This first paper in a series reports the simultaneous polarographic analysis of Fe, Ni, Co and Mn from crude oil/ashes in an ammoniacal solution of sulfosalicylic acid, with four gradients with a well-defined diffusion current on the same polarographic curve. The distribution of Ni and Co in various Rumanian crude oils was also analyzed by simultaneous polarography, and was found to vary widely from one field to another. Orig. art. has: 11 figures and 7 tables. [Based on author's Eng. abstract] [JPRS]

SUB CODE: 20, 11 / SUBM DATE: none / ORIG REF: 012 / OTH REF: 028
SOV REF: 003

Card 1/1 85

ACC NR: AT6029143 DJ/WE

SOURCE CODE: RU/0007/66/017/002/0004/0094

AUTHOR: Serbanescu, Ana (Engineer); Eadin, Tamara (Engineer); Popovici, Tatiana (Engineer)

ORG: none

TITLE: Determination of the total sulphur content of some Rumanian crude oils from different geological formations

SOURCE: Petrol si gaze, v. 17, no. 2, 1966, 04-94

TOPIC TAGS: chemical composition, crude petroleum, petrology

ABSTRACT: A report on the determination of the total sulphur contents of 19 crude oils from well-known geologic formations in six different Rumanian petroliferous structures. The importance of sulphur contents analysis is discussed, and an attempt is made to correlate the sulphur contents with the age of the geological formations. Orig. art. has: 2 figures, 2 formulas and 5 tables. [JPRS: 36,556]

SUB CODE: 11, 07 / SUBM DATE: none / ORIG REF: 017 / SOV REF: 005
OTH REF: 051

Card 1/1 *26*

0917 2781

FINTESCU, Dan, ing. (Bucuresti); ZARONI, Romulus . ing. (Bucuresti);
SERBANESCU, Bianca, ing. (Bucuresti); HERLEA, Apolador, ing.
(Bucuresti); LAPEDATU, Elena, ing. (Bucuresti)

Electric equipemnt for electrofilters. Electrotehnica 11 no.9:
333-343 S'63.

1. Sef al laboratorului de actionari electrice al Institutului de
cerctari electrotehnice (for Fintescu). 2. Cercetator principal
la laboratorul de actionari electrice al Institutului de cercetari
electrotehnice (for Zaroni). 3. Cercetator la laboratorul de
actionari electrice al Institutului de cercetari electrotehnice
(for Serbanescu, Herlea, Iapedatu).

Serbanescu, C.

RUMANIA/Morphology of Man and Animals -
(Normal and Pathologic), Pathologic Anatomy.

S-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12485

Author : Serbanescu, C., Draghici, D., Solnitzky, A.

Inst :

Title : The Effect of Intravenous Aluminum Hydroxide on Experimental Animals.

Orig Pub : Bibliot. stiint Ints. Patol. si igiena anim. Ministerul agric. si silvicult., 1955, No 5, 25-33

Abstract : Various laboratory animals (mouse, rat, guinea pig, rabbit, dog) sacrificed 3 hours after an intravenous injection of 0.1 ml of a 10% suspension of aluminum hydroxide displayed reactive changes in the lungs, the liver, the spleen and the kidney. There was a dilatation of the capillary bed and a perivascular infiltration by histiocytic and, to a lesser extent, lymphoid elements. The intensity of the reactions differed in various organs (maximal in the lungs, minimal in the kidney).

Card 1/1

SERBANESCU, D., ing.; TRIPA, D.

Increasing the product quality, an essential objective of the economic activity. Probleme econ 18 no.5:165-166 My '65.

1. Director, "Bucegi" Textile Enterprise, Pucioasa (for Serbanescu). 2. Chief Engineer, "Bucegi" Textile Enterprise, Pucioasa (for Tripa).

DOROBANTU, Ilie; MOCANU, M., ing.; MOCANU, I., ing.; SERBANESCU, D., ing.;
BOGZA, Virgil, ing.; COJOCARU, V.

Advanced technology and the increase of labor productivity. Probleme
econ 17 no.3:162-165 Mr '64.

1. Inginer sef conceptie, Uzina Vulcan, Bucuresti (for Dorobantu).
2. Tehnolog sef, Uzina Vulvan, Bucuresti (for Mocanu, M.).
3. Sef cabinet tehnic, Uzina Vulcan, Bucuresti (for Mocanu, I.).
4. Director, Intreprinderea textila Bucegi (for Serbanescu).
5. Director, Intreprinderea mecanica Roman (for Bogza).
6. Inginer, sef, Fabrica de ulei "Muntenia", Bucuresti (for Cojocaru).

~~I. 34511-66~~

ACC NR: AP6024785

SOURCE CODE: RU/0005/65/000/008/0301/0305

AUTHOR: Serbanescu, Dan (Engineer)

ORG: none

TITLE: Total negative feedback of visual transmitters

SOURCE: Telecomunicatii, no. 8, 1965, 301-305

TOPIC TAGS: negative feedback, signal transmission

ABSTRACT: The author analyzes the total negative feedback of image transmitters and points out its usefulness for the stabilization of suppression level, noise reduction, output power stabilization and proper limitation of white areas. Suggestions are given for improving existing transmitters whose original circuitry does not include negative feedback provisions. Orig. art. has: 6 figures and 12 formulas. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 001
OTH REF: 001

Cord 1/1

UDC: 621.397.61:621.375.232

PARASCHIVESCU, Dinu; SERBANESCU, Gh., cercetator

Seasonal research on the feeding of the *Formica nigricans*
Em. (Hymenoptera-Formicidae). Comunicarile AR 13 no.12:
1069-1077 D'63.

1. Comunicare prezentata de academician Wilhelm K.Knechtel.
2. Laboratorul de sistematica vegetala a Institutului de
biologie "Tr.Savulescu" (for Serbanescu).

SERBANESCU, E.; CHIRILEI, H.

Physiological study on maize I.C.A.R. 54 raised under various agro-technical conditions. p. 105.

(BULETIN STINTIFIC. SECTIA DE BIOLOGIE SI STINTE AGRICOLE. Vol. 9, No. 1, Jan./Mar. 1957. Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

SERBANESCU, E.

Respiratory intensity and quotient of the seed during its development
and ripening. Rev biol 6 no.3:341-347 '61.

Seaboard E.

REVIEW:

POPI, M., MD; NEMBARAGU, B., MD; CANTONI, TH., MD; HOWELL, Dorothy,
Medical Aid.

The "Colitas" Polyclinic (Policlínica "Colitas").- (For all)

Duclarent, Acta Médica, No 9, 1 May 63, pp 603-612

"Aspects of the Morbidity from Cardiovascular Affections at
the Level of a District in the Capital of Duclarent."

7

SERBANESCU, E.

Contributions to the knowledge of water conditions for grapevine/ hybrids. Comunicarile AR 13 no.6:535-540 Je '63.

1. Comunicare prezentata de academician N. Salageanu.

SERBANESCU, E.

Contributions to the physiological study of the heterosis phenomenon in some plant cultures. Studii cerc biol s. bot 17 no.1:53-62 '64.

1. Laboratory of Vegetable Physiology, "Traian Savulescu" Institute of Biology. Submitted May 27, 1964.

Serbănescu, Fl.

Serbănescu, Fl. Quelques propriétés caractéristiques des lois de capitalisation par rapport à l'échéance moyenne. An. Acad. Repub. Pop. Române. Sect. Ști. Mat. Fiz. Chim. Ser. A. 3, 263-281 (1950). (Romanian. Russian and French summaries)

Let $c(t)$ be a sum of money invested for a period of t years, and let $f(t)$ be the function of capitalization, so that at the end of the period the sum of money has grown to $c(t)f(t)$. The average maturity X is defined by $\int_0^t c(t)f(t)dt = f(X)\int_0^t c(t)dt$. The author shows that the most general function of capitalization having the property that the average maturity is independent of all parameters in the capitalization function is $f(t; \lambda, \mu, \dots) = F(\lambda, \mu, \dots)\Phi(t) + G(\lambda, \mu, \dots)$. A search for the functions which make the average maturity depend only on the distribution of capital leads to the two families $f(t) = a + bt$ and $f(t) = 1 + a(\beta^t - 1)$, simple and compound interest.

R. Solow (Cambridge, Mass.)

Source: Mathematical Reviews,

Vol 13 No. 9

SEPT 1957
BAIS, Matei; SERBANESCU, Fl.; STERESCU, P.; POPESCU, T.

Tetracyclin (hostacyclin) treatment in septic complication of measles.
Rumanian M. Rev. 1 no.4:41-42 Oct-Dec 57.

(MEASLES, compl.

septic compl., ther., tetracycline)

(INFECTIONS, in inf. & child

septic compl. of measles, ther., tetracycline)

SERBANESCU

F.

F-3

RUMANIA / Microbiology. Microorganisms Pathogenic to
Humans and Animals.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 33826

Author : Balsh, Khorodnichany, Meytert, Sherbenesku, Steresku,
Elian

Inst : Not given

Title : Frequency with which Pathogenic B. Coli are Found in
Gastroenterocolitis.

Orig Pub : Microbiol., parazitol. si opidemiol., 1957, 2, No 4,
349-353.

Abstract : No abstract.

Card 1/1

EXCERPTA MEDICA Sec 17 Vol 5/6 Public Health June 59

1561. CLINICAL ASPECTS OF THE LEPTOSPIROSES IN THE REGION OF
BUCHAREST - Aspectul clinic al leptospirozelor din regiunea bucuresti -
Bas M., Șerbănescu F., Sterescu P., Tofan N., Cărun-
tu F., Roman A. and Jiteica M. - PROBL. TER. (București) 1957,
8 (73-83) Tables 3

This study refers to 1,000 suspected cases of leptospirosis, in which the aetiological diagnosis was established 170 times. In a decreasing order, the leptospiroses observed were the following: L. 396, L. pomona Prague, L. canicola, L. icterohaemorrhagiae, L. sejroe and L. bovis. The leptospirosis occurred in 6% of the hospitalized patients, in 9% of the patients with jaundice, and in 67% of those with benign lymphocytic meningitis. Three quarters of all cases developed in the months of July, August and September; 72% of the patients were males. The average age period affected by L. 396 and L. pomona Prague was between 15 and 25 yr., and between 30 and 35 yr. for L. canicola. The average total duration of the disease was 9.40 days.

(L. 6. 17)

SERBANESCU, Florica; STERESCU, P.; CONSTANDACHI, D.

Frequency of pathogenic colibacilli in acute digestive disorders during measles. Med. int. Bucur. 9 no.11:1665-1670 Nov 57.

1. Incrarea efectuata in Clinica de boli contagioase I.P.S.M. - "Colentina"
(prof. M. Bals)

(MEASLES, complications
intestinal infect. caused by E.coli, Micrococcus pyogenes
& Bacillus dysenteriae)

(ESCHERICHIA COLI, infections
intestinal, in measles, incidence)

(GASTROINTESTINAL DISEASES
E. coli, micrococcal & shigella infect. in measles, in-
cidence)

EXCERPTA MEDICA Sec 6 Vol 13/11 Internal Med. Nov 59

6238. THE CLINICAL PICTURE OF LEPTOSPIROSIS IN THE REGION OF BUCHAREST. III - Aspectul clinic al leptospirozelor din regiunea București. III - Balș M., Șerbănescu Fl., Sterescu P., Toțan N., Căruntu F., Romăn A. and Jițeica M. - PROBL. TER. (București) 1958, 9/2 (131-136)

L. pomona 396 is the strain most frequently observed in Roumania. It provokes a benign disease which, in 40 to 60% of cases, involves the meninges. No fatal cases have been reported. L. pomona Prague causes a benign disease, occasionally accompanied by pulmonary complications. In the region of Timișoara, it was detected in 83% of cases, provoking icteric forms in a large proportion (45%). L. canicola occupies 3rd place, frequently provoking a very prolonged disease, which assumes an icteric form; fatal cases have been reported. L. icterohaemorrhagiae occupies 4th place from the point of view of incidence; it causes a very severe and prolonged disease, which often produces hepatorenal lesions (15-50%). In the Roumanian People's Republic, the course may also be benign. The various forms of leptospirosis registered in this country generally have a benign course and a low mortality. Specific treatment has been abandoned, in view of the benignity of the cases observed in this country, and the failures registered in treatments with penicillin and chlortetracycline. (L, 6, 17,

BALS.M.,Prof.; SERBANESCU,F.I.; CARUNTU,F.I.; TOFAN,N.; HOTNOG,E.

On certain clinical and anatomicopathological problems in tetanus.

Rumanian M. Rev. 4 no.1:35-36 Ja-Mr '60.

(TETANUS)

BALS, M., prof.; SERBANESCU, Florica; CARUNTU, F.; TEINDEL, Cl.; JIPA, Gh.

The incidence of specific allergy to histoplasmin in the patients admitted to the 2nd Clinic of Communicable Diseases, Bucharest. Rumanian M Rev. no.3:17-18 '61.

(HISTOPLASMOSIS statistics)

BALS, M., prof.; SERBANESCU, Fl., dr.; CARUNTU, Fl., dr.; TAINDEL, Cl., dr.;
JIPA, Gh., dr.; PREDOVICIU, F.M., dr.

Acute azotemias during infectious diseases. Med. intern. 16
no.2: 193-203 F'64

1. Lucrare efectuata in Clinica a II-a de boli contagioase
I.N.F., Bucuresti.

*

SERBANESCU, G.

Certain problems connected with the organization and mechanization of medium and small work yards. II

p. 3 (Constructorul) Vol. 8, no. 370, Feb. 1957, Bucuresti, Rumania

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

SERBANESCU, G.; COHN, M.; SANDI, H.

A bibliographic study on the engineering seismology; summary.
Studii astron seismol 6 no.2:453-455 '61.

SERBANESCU, Gh.
SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: Engineer

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 7, Jul 1961, pp 22-23.

Data: "The International Fair at Moscow."

SERBANISCU, GH.

Eachner, Silina 21 (London, Vol XIV, No 2, Feb 62)

1. "Rationally Conducted Technological Processes" A. DUBROVSKI, Deja and Karya (Paris) pp 2-5.
2. "The Hypothesis of Earth's Origin" I. COJOCARIU, Enfer pp 6-8.
3. "Interplanetary Hydration of Matter" Donc Hate P. HITE, Journal of Natural Sciences (Publication de Delina Belgrade); pp 10-11.
4. "Beyond the Milky Way" Ind. COJOCARIU, Enfer pp 12-13.
5. "The Atomic Settlement of Inhabited" Prof VADITCH DIMITRIU, Journal of the Scientific Society (Louvain et Prinzipul de Sci); pp 14-15.
6. "Along the Discovery of Stars III" P. SERBANISCU pp 16-18.
7. "The Eye and the Light" Conf Dr P. S. SERBANISCU, pp 19.
8. "Contributions to the Construction of Stars" G. SERBANISCU, Enfer pp 21-22.
9. "A New Kind of Star" Conf Dr P. S. SERBANISCU, Enfer pp 22-23.
10. "Solana in the Service of Production" D. DINARI, Enfer and N. COJOCARIU, Enfer pp 24-25.
11. "Great Discoveries" ENFER, Enfer pp 26.
12. "A Star Fire in the Night of the Middle Ages" GHIDOPRE, Enfer pp 27-28.
13. "An Incident through the Paper Replume" IOAN DOREVICI, Enfer pp 29-30 and 31.
14. "The Poets of Stars and Planets" A. STANCI, Enfer pp 31-32.
15. "The Universe of Abu Sines 1111 to 1121" A. SERBANISCU, Enfer pp 32-33.

18

SERBANESCU, Gh., ing.

Moscow, the 1967 universal exposition. St si Teh Buc 13 no.7:22-23
Jl '64.

SERBANESCU, Gh., ing.

Tokyo 1964; new constructions for the Olympiad. St si Teh Buc 16 no.2:
42-44 F '64.

SERBANESCU, Gheorghe, ing.

Some aspects of small mechanization in the construction field. Constr
Buc 14 no.672:1 24N'62.

1. Din Comitetul de Stat pentru Constructii, Arhitectura si Sistematizare, Sectorul organizarea asistentei.

SURBANESCU, G., ing.

Modern methods in bridge construction. St si Teh Buc
14 no.10:16-17 0 '62.

SERBANESCU, Gh. ing.

Computing machines used for planning constructions. St si Teh
Buc 15 no.1:32-33 Ja '63

SERBANESCU, G., ing.

Architect Oscar Niemeyer. St si Teh Buc 15 no.9:38-39 S '63

~~SERBANESCU, I.~~

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: --

Affiliation: --

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,
No 4, 1961, pp 415-420.

Data:

"Vegetation in the Fagaras Depression".