

KRZAG, A.

"Outlook in Metalworking and Production of Tools." p. 233, Praha, Vol. 2, no. 6, June 1954

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

REZAC, B.

"Hydrogeological studies in the mining district of Svabovce-Kisovce near Poprad"

Vestnik. Praha, Czechoslovakia. Vol. 34, no. 2, 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

REZAC, J.

MYSLIVECEK, J.; SEDLACEK, J.; REZAC, J.; TRAVNICEK, T.

New method of permanent canules for the blood vessels. Chekh.
fiziol. 3 no.1:96-98 1954.

1. Katedra fiziologie meditsinskogo fakul'teta universiteta im.
Karla IV v Prage.

(BLOOD VESSELS, surgery,

fixation of canule in blood vessels for continuous blood
taking in animals)

(TECHNOLOGY, medical,

fixation of canule in blood vessels for continuous blood
taking in animals)

REZAC, J.: KOZAK, M.: TOMAIDES, J.:

Mains frequency induction heating. p. 164.

STROJIRENSKA, VYROBA, Praha, Czechoslovakia, Vol. 7, no. 3, 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7,
July 1959

uncla.

BEZAC, J.

Induction heating of metals by means of currents of grid frequency
(50 cycles). p.211

ELEKTROTECHNIK (Ministerstvo tezkeho strojirenstvi)
Praha, Czechoslovakia
Vol.14, no.7, July 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11
Nov. 1959
Uncl.

BUCEK, Antonin, MUDr.; REZAC, Karel, MUDr.; KARLICH, Richard, MUDr.

An epidemic of dysentery in a medical institution. (A report).
Voj. zdrav. listy 34 no.5:207-208 O '65.

1. Ustredni vojenska nemocnice, expektacni a infekcni oddeleni
(nacelnik pplk. MUDr. Antonin Bucek) a Vojensky ustav hygieny,
epidemiologie a mikrobiologie (nacelnik plk. doc. MUDr. Karel
Makovicka).

L 31012-66

ACC NR: AP6023120

SOURCE CODE: CZ/0060/65/000/006/0254/0256

AUTHOR: Bucok, Antonin (Lieutenant colonel; Doctor of medicine); Rezac, Karol (Lieutenant colonel, Doctor of medicine) /8
5

ORG: Admission Ward /headed by Doctor Antonin Bucok/. Internal Department, Central Military Hospital (Vnitřní oddělení Ústřední vojenské nemocnice)

TITLE: Infectious mononucleosis and the determination of the possibilities of further military service

SOURCE: Vojenské zdravotnické listy, no. 6, 1965, 254-256

TOPIC TAGS: rickettsial disease, infective disease, virus, military medicine, blood
ABSTRACT: Infectious mononucleosis is a fever-producing disease, with a general benign course; it is probably caused by virus or by Rickettsia affecting the reticuloendothelium system. It affects mainly people up to 30 years of age; it occurs sporadically and is contagious to a certain extent. Cytologic changes in the blood, and the increase of some serological reactions accompany this disease. Ability to continue in military service must be evaluated in each individual case. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 005 / SOV REF: 001
OTH REF: 003

Cord 1/1 LC

UDC: 616.155.33-022.711.36-079:355.25
0915 13-57

MUDr. Antonín, podplukovník, MUDr.; REZAC, Karel, podplukovník, MUDr.

Infectious mononucleosis and evaluation of the suitability for further military service. Voj. zdrav. listy 34 no.6:254-256 D 1965.

1. Vnitřní oddělení Ústřední vojenské nemocnice (náměstník expectační části plk. MUDr. Antonín Bucek).

VAGUNDA, Simon; REZAC, Milos; WEBER, Jaromir

Gastric cancer in a 12-year-old boy. Cesk.pediat.15 no.10:913-916
0'60.

1. Patologicko-anatomicke oddeleni, prednosta prim.dr. S.Vagunda
Centralni rtg oddeleni, prednosta prim.dr. E. Sanda. Chirurgicke
oddeleni, prednosta prim.dr. Fr. Kudlac.
(STOMACH NEOPLASMS in inf & child)

SANDA, Emilian; REZAC, Milos

Toxic reactions to contrast substances. (Iododerma following sialography). Cesk. rentgenol. 16 no.3:210-213 Je '62.

1. Radiologicke oddeleni nemocnice v Uh. Hradisti, prednosta MUDr.

E. Sanda. (SALIVARY GLANDS radiog) (DERMATITIS MEDICAMENTOSA)
(OXIDIZED OILS toxicol)

GREGOR, Frantisek, dr., inz.; POVOLNY, Dalibor, doc., dr., inz.;
REZAC, Miroslav, inz., dr.

Systematic oligophagy of the Central-European species of the
genus *Lithocolletis* Hbn. and *Argyresthia* Hbn. (Lep.) on
Prunoideae. Cas entom 60 no.1/2:81-93 '63.

1. Institute of Parasitology, Czechoslovak Academy of
Sciences, Brno, Zemedelska 1 (for Gregor and Povolny).
2. Institute of Applied Entomology, University School of
Agriculture, Brno, Zemedelska 1 (for Rezac).

REZAC, M.

PELIKAN, J.; REZAC, M. "Laboratory Examination of the Effectiveness of Preparations Containing DDT on Cockchafters." p. 107. (Zoologické A Entomologické Listy. Vol. 2, no. 2, June 1953. Praha).

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

REZAC, M.

CZECHOSLOVAKIA / General and Specialized Zoology.
Insects. Insect and Mite Pests.

P

Abs Zhur : Ref Zhur - Biol., No 10, 1953 No 44861

Authr : Rezac, M.

Inst : Not given

Title : *Prosopis cornuta* Curtis (Hymenoptera) as a Pest
of *Digitalis* (*Digitalis Purpurea* L.).

Orig Pub : Zool. listy, 1957, 6, No. 1, 20-22.

Abstract : The damage to *Digitalis* by the rare Mediterranean
species *Pr. cornuta* is described.

Card 1/1

NADVORNIK, P.; PETR, R.; REZAC, O.; SCHINDLERY, C.

A few remarks on the methods of stereotaxic operations. Cesk.
neurol. 28 no.6:408-411 N '65.

1. Neurochirurgická klinika lékařské fakulty Karlovy University
v Hradci Králové (prednosta: prof. dr. R. Petr.).

ACC NR: A 111112

SOURCE CODE: CZ/0082/65/028/006/01,08/01,11

AUTHOR: Nadvornik, P.; Petr, R.; Rezac, O.; Schindlery, C.

ORG: Neurosurgical Clinic, Medical Faculty, Charles University/headed by Professor, Doctor R. Petr/, Hradec Kralove (Neurochirurgicka klinika lekarske fakulty KU); [Nadvornik] Faculty Hospital, Hradec Kralove (Fakultni nemocnice)

TITLE: Several suggestions for improved methods of stereotactic operation

SOURCE: Ceskoslovenska neurologie, v. 28, no. 6, 1965, 408-411 12/

TOPIC TAGS: tracer study, surgery, gland

ABSTRACT: [Authors' English summary modified]: On the basis of a study of 162 stereotactic X-rays, the authors suggest changing the auxiliary point in hypophysectomy to a point closely anterior to the tuberculum so as to reduce the dispersion angle above the sellar diaphragm. A stereotactic map showing the relationship of the 3rd ventricle or the chiasma to the sella is shown; this may be used to find the position of isotopes placed in the sella. Correlation of X-ray and anatomical foramen of Monroe is presented and the use of its lower edge as reference point recommended. A method of computing coordinates of subcortical structures is described. A simplified method of finding individual points in the anterior complex of thalamic nuclei is discussed. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 07, 06 / SUBM DATE: none / OTH REF: 006

Card 1/1

0921 1331

CZECHOSLOVAKIA/Optics - Optical Technology.

K

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4426

Author : Rezac, O.

Inst : -

Title : Calculation of an Objective for a Specified Total Length

Orig Pub : Jemna mech. a opt., 1959, 4, No 4, 137-138

Abstract : From the principal formulas of geometrical optics for a system of two thin lenses, a formula is derived for the calculation of the focal distances of lenses and the optical interval of this system, provided the focal distance of the system is specified and along with the distance from the vertex of the first lens to the focal plane of the system. At the end of the article examples are given for the calculations of objectives. --
V. Piffe

Card 1/1

- 96 -

~~REZAC, O.~~

TECHNOLOGY

periodicals: JENNA MECHANIKA A OPTIKA Vol. 3, no. 10, Oct. 1958

REZAC, O. Rubber objectives. p. 350

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

REZAC, Pavel

Outlook for using the new calculation techniques in railway transportation. Doprava no.8:275-277 '62.

ALZAC, V.

"The Technical and Economic Mechanization Plan." p. 345 (Stavebni Prumysl, Vol. 3, no. 15/16, Aug. 1953, Praha)

SC: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

ENDRYS, Jiri; STEINHART, Leo; PROCHAZKA, Jaroslav; SLEZAK, Premysl;
KOSMAK, Ivan; KVASNICKA, Jiri; REZAC, Vaclav.

The degree of mitral insufficiency. Comparison of dilution
technics. Angiography and operative findings. Storn. ved. prac.
lek. fak. Karlov. Univ. 8 no.4:461-465 ' 65.

1. Kardiochirurgické středisko (prednosta: prof. MUDr.
J. Prochazka) Karlovy University v Hradci Kralove.

KOHOUTEK, M., Hradec Kralove II, Bretislavova 1219; REZAC, V.; REZACOVA, Z.

Cardiac defects in pregnancy. Cesk. gynek. 30 no.9:659-663 N '65.

I. Gyn.-por. klinika (prednosta prof. dr. K. Vacha, DrSc.) a I.
interni klinika (prednosta prof. dr. F. Cernik) lekarske fakulty
Karlovy University v Hradci Kralove.

SLEZAL, Frantisek; STANEK, Leo; WIDRIS, Jiri; FRANK, Miroslav; KUBER, Ivan; BELOBRADEK, Zdenek; PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; REZAC, Vaclav; JURIN, Ivan.

Morphological, hemodynamic and postoperative changes in atrial septal defects demonstrated by a simple X-ray picture. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:109-119 '64.

I. Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.); Chirurgicka klinika (Prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Detska klinika (prednosta: prof. MUDr. J. Blecha, DrSc.) a I. interni klinika (prednosta : prof. MUDr. F. Cernak) University Karlovy v Hradci Kralove.

ENDRYS, J.; STEINHART, L.; KOSNAR, I.; PETRLE, M.; PROCHAZKA, J.;
BELOBRADEK, Z.; REZAC, V.; SLEZAK, P.

Catheterization of the left heart. Evaluation of experiences with
650 examinations. Vnitřní lek. 11 no. 4: 331-338 Ap'65.

1. Kardiochirurgické středisko, fakultní nemocnice a lékařská
fakulta Karlovy University v Hradci Králové.

TLUSTY, Lubomir; PETRLE, Miroslav; FIEDLEROVA, Dagmar; REZAC, Vladimir;
VIZDA, Jaroslav; JURECKA, Jiri.

An attempt to determine some parameters of aging during routine
clinical examination. Sborn. ved. prac. lek. fak. Karlov. Univ.
9 no.1:339-355 '64.

1. I. Interni klinika (prednosta: prof. MUDr. F. Cernik)
Karlov University v Hradci Kralove.

REHOR, J., Dr; KEZÁČ, V.

Czechoslovakia

First Internal Clinic LFUK of Hradec Kralove --
Hradec Kralove (I. vnitřní klinika LFUK v
Hradci Králové -- Hradec Králové); Director:
Jan REHOR, Dr. - (for all)

Prague, Vnitřní lékařství, No IX-1, 1963, pp 36-42

"Acute Bacterial Pneumonia."

REZAC, V.

Activities of the Department of Mechanization.

P. 60 (Mechanisace) Vol. 4, No. 2, Feb. 1957, Czechoslovakia

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

REZAC, Vaclav, inz.

Power in the main building production. Inz stavby 11 no. 12:
Supplement: Mechanizace no. 12: 184-187 '63.

1. Vyzkumny ustav pozemnich staveb, Praha.

Průcha, J.; Janda, J.; Janda, J.

Determination of sodium and potassium in titanium white. Chem
prum 14 no.9:485-487 1964.

1. Research Institute of Inorganic Chemistry, Usti nad Labem.

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4 5

Determination of alkali metals by flame photometry.
Josef Dvořák and Zdeněk Rejzle (Výzkum. ústav. anorg.
chem., Ústí nad Labem, Czech.). Chem. listy 53, 688-90
(1959).—A review with 76 references. JIM Filad.

74 82

REZAC, Zdenek; (Usti nad Labem, Revolucni 86, Czechoslovakia);
DVOŘAK, Josef, dr. (Usti nad Labem, Revolucni 86, Czechoslovakia)

Flame photometric determination of rubidium and cesium.
Acta chimica Hung 30 no.3:375-384 '62.

1. Institute fur anorganische Chemie, Usti nad Labem.

REZAC, Z.: ROUBAL, M.

"Separation of small amounts of tin from tungsten by adsorption of silica gel."

p. 384 (Institute of Applied Physics - Czechoslovak Academy of Science)
Vol. 51, No. 5. May 1957

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

REF. MC, 2

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3610. Separation of small amounts of tin from tungsten by adsorption on silica gel Rezác and M. Roubal (Spolek pro chem. a hutn., Ústí nad Labem, Czechoslovakia). *Chem. Listy*, 1957, 51 (5), 884-889. For the determination of Sn in tungstic acid, dissolve the sample (5 g) in *N* NaOH (40 ml), on a water bath. Filter off the residue on filter paper and wash it with hot H₂O. Ignite the filter in an iron crucible, fuse the residue with NaOH (1 g), dissolve the melt in hot H₂O, filter and combine the filtrates. Add 0.1 *M* EDTA (disodium salt) (10 ml), and neutralise with dil. H₂SO₄ (to methyl red). Dilute with H₂O to 200 ml, adjust the content of sulphate to 0.2 *M* and add aq. NH₃ to pH 9. Pass the soln. through the adsorption column of silica gel and adjust the flow (5 ml per min.). Wash with H₂O (200 ml) and elute the adsorbed Sn(OH)₄ with conc. HCl (5 ml) and H₂O (70 ml) into a 100-ml flask containing NH₄Cl (21 g). Mix and add gelatin soln. (0.26%) (1 ml), adjust the vol. and register the polarographic wave from -0.2 to -0.8 V. The second wave can be used for quant. evaluation. The method is suitable for the determination of as little as 10⁻³ to 10⁻² % of Sn. The application to tungsten concentrates is also described.
J. ZYKA

SM
MT

Rezac, Zdenek

Chemical Abst.

Vol. 48

Apr. 10, 1954

Analytical Chemistry

Gravimetric determination of tungsten in ores and concentrates. Vladimír Jára and Zdeněk Rezac. *Chem. Průmysl* 3, 127-30 (1953).—A review of existing methods with 41 references is followed by a method based on procedures described in books by Schoeller and Powell (*The Analysis of Minerals and Ores*, (C.A. 14, 269ⁿ)) and by Li and Wang (*Tungsten* 1947 (C.A. 41, 4087f)). F. J. H.

L 31476-66 EWP(t)/EII JJP(c) JD/JH

ACC NR: AP0023168

SOURCE CODE: CZ/0008/65/000/011/1357/1361

AUTHOR: Ditz, Jiri; Marecek, Josef; Dvorak, Josef; Rezac, Zdenek

ORG: Research Institute for Organic Chemistry, Usti (Vyzkumny ustav anorganicke chemie) 36 8

TITLE: Determination of calcium and magnesium in high purity acids 21

SOURCE: Chemické listy, no. 11, 1965, 1357-1361

TOPIC TAGS: chelate compound, quantitative analysis, calcium compound, magnesium compound

ABSTRACT: The method proposed by the authors is based on a chelatometric microdetermination of Ca in hydrochloric and nitric acids and on a semimicro-determination of Ca and Mg in hydrofluoric acid. Ca in HCl and in HNO₃ may be determined in concentration on the order of 10⁻⁵ with a relative inaccuracy of 4.25%; Ca and Mg in HF in concentrations of 10⁻³ and with an inaccuracy of 3.65% for Ca, and 2.26% for Mg. The described methods are more accurate and reliable than those used up to now. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 07 / SURM DATE: 27Oct64 / ORIG REF: 003 / SOV REF: 001
OTH REF: 003

Card 1/1 mc

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1379

REZAC, ZDENĚK

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Distr: 4E3d

✓ Analysis of vanadium catalysts. Zdeněk Režák and Josef Dvořák (Výzkumný ústav anorg. chem., Ústí nad Labem, Czech.). *Chem. průmysl* 10, 576-8 (1960) — A
1-g. sample is moistened by 2 ml. H_2SO_4 (dild. 1:1), 20 ml. of HF added, and heated up to fumes; then approx. 20 ml. of HF added and heated to dryness. The remainder is melted with 3 g. $K_2S_2O_8$, dissolved in water, acidified by some drops of dild. HCl (1:1), and the soln. is dild. to 250 ml.; 25 ml. of dil. soln. is mixed with 5 ml. of 80% thio-glycolic acid (I) and 3 ml. of concd. NH_3 , and the extinction (E) is measured in comparison to water, with an S50 filter and 1 mg. Fe_2O_3 in 100 ml. — ($E - 0.0000123mp$)/0.42, where m is the no. of mg. of the sample in 100 ml. of the soln. and p is % V_2O_5 estd. in the sample. See Eder (cf. *Stahl u. Eisen* 51, 1236 (1931)). In the mixt. of 100 ml. of dild. soln. with 1 ml. of I, Al is pptd. by the Mayr-Gebauer method (CA 32, 7843) up to the red color of the Fe complex. In the soln. of the sample, Ca is estd. either by pptn. of CaC_2O_4 in a weakly acidic soln. or so that at first it is caught on the ion-exchange resin from the soln. contg. H_2O_2 , eluted from the ion-exchange resin by dil. HCl (1:3), and then is estd. in the soln. by flame photometry after adding of a small amt. of La. In the basic soln. of the sample, Na and K can be estd. by flame photometry if the effect of other components on the emission intensity of alkali metals is limited by construction of a calibration curve. P. Čefelka

REZAC, Z. ; KADIC, K.

Polarometric determination of fluorine in soluble fluorides with ferric choride
p. 570

CHEMICKE LISTY (Ceskoslovenska akademik ved. Ceskaslovenska spolecnost
chemicks) Praha, Czechoslovakia. Vol. 49, no. 4, Apr. 1955

no. 1, Jan
Monthly List of East European Accessions (EEA) LC, Vol. 9/ 1960
Uncl.

REZAC, Z.

CZECH

✓ 804. Detection of calcium according to Gutzelt,
Z. Rezac (Chem. Listy, 1954, 48 [3], 471-472).—
~~Gutzelt's~~ method for the detection of Ca with an
ammoniacal soln. of phenol (*Helv. Chim. Acta*, 1929,
12, 829), alleged to produce a blue colour, has been
found worthless; no reaction occurs. G. GLASER]

AP 23/1

REZAC; 2.

1981. Polarographic determination of fluorine in soluble fluorides with ferric chloride. R. Kadic and Z. Rezac (Spolek pro C. in a Hatal Vrbnu, Usti W. Lab., Czechoslovakia). *Chem. Listy*, 1980, 49 (4), 570-572. — A polarographic method for the determination of F⁻ at 0.0 V by titration with FeCl₃ according to the equation $6F^- + Fe^{3+} \rightarrow [FeF_6]^{3-}$ is described. The soln. containing ≈ 25 mg of F⁻ in 25 ml of H₂O at pH 5 to 7 is treated with an equal vol. of ethanol and a large excess of solid NaCl (≈ 8 g) and titrated with FeCl₃ while CO₂ is passed in. Before reading the galvanometer, stirring is stopped and CO₂ is passed over the soln. The average error of 17 determinations was ± 0.12 per cent. Sulphate ions in amounts > 10 mg interfere. Fluorosilicates must first be decomposed by treating the boiling soln. with N NaOH until red to phenolphthalein. G. GLASER

①

REZAC; Z.

6

✓ 3367. Determination of formaldehyde by direct titration with hydroxylamine hydrochloride. E.

Grebenovsky and Z. Kozák (Spolek pro chem. a hutní výrobu, Ústí nad Labem, Czechoslovakia).

Chem. Listy, 1955, 49 (8), 1185-1187. — In alkaline media the reaction between hydroxylamine and formaldehyde takes place quantitatively and is suitable for the volumetric determination of formaldehyde. In comparison with the acidimetric method, organic acids do not interfere and the endpoint, obtained by the "dead-stop" method or polarographically, is sharper. Procedure—Dilute the sample containing formaldehyde (3 to 15 mg) with H₂O to 40 ml and add N NaOH (10 ml). In this soln. immerse platinum electrodes polarised with 100 mV and titrate with a soln. of hydroxylamine hydrochloride of suitable and known concn. (e.g., 0.1 M), the max. sensitivity of the galvanometer being used.

C. GLASER

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chem

mm

Rezac, Zdenek

✓ Fluorine determination in commercial aluminum fluoride
and cryolite. Zdeněk Rezac and Zdeněk Rubec. *Chem.*
Průmysl 6, 195-~~195~~1957. A review of methods of F detn. in
com. materials. A modification is described of the Warf
app. (C.A. 48, 5732g) for pyrolytic F detn. suitable for rou-
tine analysis of insol. complex fluorides. In the detn. of F
in AlF_3 , the addn. of TiO_2 was superior to that of U_3O_8 as
originally suggested by Warf. *L. A. Helwich*

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chem

PM

LFH

REZAC, ZDENEK

27 27 8

Separation of small amounts of tin and tungsten by adsorption on silica gel. Rezac and Milan Roubal (Spolek pro chem. hmot. výrobu, Ústí nad Labem, Czech.). *Chem. listy* 51, 884-6 (1957).—Small amts. of Sn can be sep'd. from a large excess of W by adsorption of Sn(OH)₄ on silica gel and by polarographic detn. To det. Sn in H₂WO₄, dissolve a 5-g. sample in 40 ml. N NaOH on the steam bath, filter off the insol. portions, wash with hot water, and ignite the filter in an Fe crucible. Fuse the residue with 1 g. NaOH, digest the melt with hot H₂O, filter, and combine the filtrate with that of the first filtration. Add to the filtrate 10 ml. 0.1M. complexon III, neutralize with dil. H₂SO₄ to methyl red, dil. with H₂O to 200 ml., adjust the concn. of (NH₄)₂SO₄ to 0.2M, and add NH₄OH to reach pH 9. Pass the soln. through a column (diam. 10-14 mm., length 100-150 mm., filled with silica gel) at a rate of 5 ml./min. Wash the column with 200 ml. H₂O, and elute the adsorbed Sn(OH)₄ with 6 ml. HCl and 70 ml. H₂O into a 100-ml. volumetric flask contg. 21 g. NH₄Cl. Add 1 ml. 0.25% gelatin, fill to the mark, and polarograph at -0.2-0.8 v. To det. Sn in W concentrates, melt a 0.5-g. sample in an Fe crucible with 5 g. Na₂O₂, and digest the melt with H₂O. Add a few drops 8% H₂O₂, boil the soln., filter, and wash with 1% NaOH. Dil. the filtrate in a volumetric flask, pipet an aliquot contg. 1-5 mg. Sn, dil. to 200 ml., neutralize with dil. H₂SO₄ to methyl red, and follow the above procedure.

M. Radický

fra
MT

Rezac. 2

✓ Separation of Small Amounts of Tin and Tungsten by Adsorption on Silica Gel. Zdeněk Rezac and Milan Koubal (Chem. Listy, 1957, 51, 884-889; C. Abs., 1957, 51, 11923).—[In Czech]. Small amounts of Sn can be separated from a large excess of W by adsorption of $\text{Sn}(\text{OH})_2$ on silica gel and by polarographic detn. To determine Sn in H_2WO_4 dissolve a 5-g. sample in 40 ml. $N\text{-NaOH}$ on the steam bath, filter off the insoluble portions, wash with hot water, and ignite the filter in an Fe crucible. Fuse the residue with 1 g. NaOH , digest the melt with hot water, filter, and combine the filtrate with that of the first filtration. Add to the filtrate 10 ml. 0.1M-complexone III, neutralize with dil. H_2SO_4 to methyl red, dilute with water to 200 ml., adjust the concentration of $(\text{NH}_4)_2\text{SO}_4$ to 0.2M, and add NH_4OH to reach pH 9. Pass the soln. through a column (dia. 10-14 mm., length 100-150 mm., filled with silica gel) at a rate of 5 ml./min. Wash the column with 200 ml. water, and elute the adsorbed $\text{Sn}(\text{OH})_2$ with 6 ml. HCl and 70 ml. H_2O into a 100-ml. volumetric flask contg. 21 g. NH_4Cl . Add 1 ml. 0.25% gelatine, fill to the mark, and polarograph at -0.2 to 0.8 V. To determine Sn in W concentrates, melt a 0.5-g. sample in an Fe crucible with 5 g. Na_2O_2 , and digest the melt with water. Add a few drops 3% H_2O_2 , boil the soln., filter, and wash with 1% NaOH . Dilute the filtrate in a volumetric flask; pipet an aliquot contg. 1-5 mg. Sn, dil. to 200 ml., neutralize with dil. H_2SO_4 to methyl red, and follow the above procedure.

AUTHORS: Řezáč, Z. and Adamec, M. CZ/8/52(82)/10-31/39

TITLE: Determination of Alkalies in Artificial Manganese Oxide (Stanovení alkálií v umělém burelu)

PERIODICAL: Chemické Listy, 1958, Vol 52(82), Nr 10, pp 2006-2007 (Czechoslovakia)

ABSTRACT: The German (Hamburg) method for the determination of alkalies adsorbed on MnO_2 by reduction with H_2 followed by extraction with water and titration of the bases has been replaced by the much quicker reduction with carbon.

Experimental Reduction. Powdered charcoal was prepared from the remnants of charcoal used for spectral analysis (ČKD - Stalingrad), separated from the used part and ground in a porcelain mortar. The fraction passing mesh 50 Din was used. Tashiro indicator solution was prepared by mixing 0.03% alcoholic solution of methyl red (100 ml) with an aqueous solution of methylene blue (15 ml). The reduction was carried out in platinum crucibles in a silica furnace (Siemens-Plania). A 10 ml microburette Card 1/3 graduated in 0.02 ml divisions was used. The study of

2

CZ/8/52(82)/10-31/39

Oxide

Determination of Alkalies in Artificial Manganese

optimum conditions for reduction led to the following method being used.

Method. The sample (1 g) is weighed in a platinum crucible, charcoal (1.5 g) added and the two well mixed with a glass rod. The mixture is covered with a layer of charcoal (about 0.5 g) and heated in an electric furnace (800°C, 10 min). After cooling, the crucible is placed in a 250 ml beaker, water (100 ml) added and the contents of the crucible boiled for 15 min with stirring (using an appropriate stirring rod). The crucible is then washed, and the solution with sediment transferred quantitatively to a 500 ml standard flask and made up to volume at 20°C. The turbid solution is well mixed and then allowed to settle for about 15 min. 50 ml of this solution are pipetted off using a pipette with a cotton wool filter to a titration flask and titrated, after the addition of five drops of Tashiro's indicator, with 0.1 N-HCl solution using the micro-burette. The titration is started in the cold and finished with boiling solution. The results are expressed in % KOH. The results are comparable with

Card 2/3

CZ/8/52(82)/10-31/39

Determination of Alkalies in Artificial Manganese (II) Oxide

those of the Hamburg method. The new method is used routinely.

There are 3 figures.

ASSOCIATION: Spolek pro chemickou a hutní výrobu n. p., Ústí n/L.
(Society for Chemical and Metallurgical Products
(National Enterprise), Ústí nad Labem)

SUBMITTED: November 23, 1956

Card 3/3

COUNTRY : GDR
CATEGORY :

E-2

ABS. JOUR. : RZKhim., No. 16 1959, No.

56903

AUTHOR :
INSTR. :
TITLE :

ORIG. PUB. :

ABSTRACT : which is carefully heated to 400° over a bunsen burner; after 10 min the crucible is transferred to an electric furnace heated to 800° (above 850° a partial decomposition of the sulfates may take place). After heating for 15 min at 800°, the contents of the crucible are cooled and extracted with boiling water, the solution is diluted to 250 ml, and filtered, the first few portions of filtrate being discarded. 50 ml of filtrate from the later filtrations are place in an ion

CARD: 2/5

COUNTRY : GDR
CATEGORY :

E-2

ABST. JOUR. : Rikhim., No. 16 1980, No.

56903

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : converted to insoluble compounds on heating with MnO_2 , do not interfere with the determination. The result from the analysis includes all or part of the S held in not very soluble sulfates: 100% for $CaSO_4$, 95% for $PbSO_4$, and 20% for $BaSO_4$. The method can be applied to the determination of S in some organic substances (sulfosalicylic acid, sulfanilic acid, thiourea, sulfothiazole) as well as to the determination of S in volatile substances (e.g., in S_2Cl_2). In the latter case

CARD: 4/5

H

COUNTRY : CZECHOSLOVAKIA
 CATEGORY : Chemical Technology. Chemical Products and Their
 Applications. Chemical Processing of Natural *
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 62270
 AUTHOR : Rezac, Z.; Dvorak, J.
 INSTITUTE : -
 TITLE : Determination of Vanadium in Petroleum Cokes
 ORIG. PUB. : Chem. promysl, 1958, 8, No 8, 408-411

ABSTRACT : Described is the quantitative method for the de-
 termination of V in petroleum cokes (PC) by pola-
 rographic titration, developed by the Institute of
 Inorganic Chemistry of the Czechoslovakian Demo-
 cratic Republic (city of Usti). Polarograph LP-54
 equipped with a calomel electrode and with a vi-
 brating Pt electrode (for check purposes) is em-
 ployed in this method Hydroquinone, stable to
 the action of atmospheric agents, is used as a
 working solution. The method is sufficiently

*Gases and Petroleum. Motor and Rocket Fuels.
 Lubricants.

Card: 1/2

H - 98

REZAC, Zdenek (Usti nad Labem, Revolucni 86, Czechoslovakia): DVORAK, Josef
(Usti nad Labem, Revolucni 86, Czechoslovakia)

Flame photometric determination of rubidium and cesium. Acta chimica Hung
30 no.3:375-384 '62

1. dr. Institut fur anorganische Chemie.

CZECHOSLOVAKIA / Analytical Chemistry. Inorganic Analysis. E

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 81990

Author : Rezac, Zdenek; Adamec, Miroslav

Inst : Not given

Title : The Determination of Alkalies in Synthetic Pyrolusite

Orig Pub : Chem. listy, 1958, 52, No 10, 2006-2007;
Collect. Czechosl. Chem. Commun., 1959, 24
No 5, 1730-1732

Abstract : A simple method for the determination of alkalies adsorbed on synthetic pyrolusite was developed. Because of the very strong adsorption properties of pyrolusite, which interfere with the quantitative leaching of alkalies even in an acid medium, MnO_2 is previously reduced to MnO by calcining with

Card 1/3

REZACOVA, A.; KRESANEK, J.

CSSR

Pharmacognostic Dept., Pharmaceutical faculty of Charles University
(Katedra farmakognosie Farmaceuticke fakulty UK), Bratislava

Bratislava, Farmaceuticky Obzor, No 3, 1963, pp 110-116

"Evaluation of Anatomical Differences of Some Seeds in the Solaraceae Family"

(2)

PLISLOVA, H., doc. Dr. h. c., (Bratislava, 11. odbojarev 12); PLISLOVA, A.

Contribution to the study of the *Muccinia malvacearum* Mont. disease of *Malva sylvestris* L. ssp. *Malvotatica* Thell. Preliminary report. *Cesk. farm.* 14 no.8:409-413 0 '65.

1. Katedra farmakognomie farmaceutickej fakulty Univerzity Komenského, Bratislava. Submitted May 31, 1965.

REZACOVA, A.

CSSR

no academic degree indicated

dept. of pharmacognosics of the pharmaceutical faculty of Comenius University
(katedra farmakognosie farmaceuticke fakulty Univerzity Komenskeho), Bratislava

Bratislava, Farmaceuticky Obzor, No 11-12, 1962, pp 491-493

"Special Dying of Ceratenchyme in Permanent Preparations of the Droga
Radix Liquiritiae"

LIHIL, J.; LIHIL, D.

Some characteristics of mouse ascitic Krebs-2 tumour cells grown in submerged cultures. Neoplasma (Bratisl.) 12 no.4:407-415 '65.

1. Tissue Culture Department, Institute of Sera and Vaccines, Prague, Czechoslovakia. Submitted September 19, 1964.

ZAVADOVA, H.; REZACOVA, D.

The use of the complement fixation test for typing of
poliomyelitic viruses. J. hyg. epidem. (Praha) 8 no.2:
264-268 '64.

1. Institute of Sera and Vaccines, Department of Virology,
Prague.

ZACEK, K.; ADAM, E.; ADAMOVA, V.; BURIAN, V.; REZACOVA, D.; SKRIDLOVSKA, E.;
VANECKOVA, N.; VONKA, V.

Vaccination with live poliomyelitis vaccine (Sabin). Virological
and serological control of mass vaccinations performed in the
Czechoslovakian SSR during 1958-59 and in 1960. Cas.lek.cesk.
102 no.46:1257-1268 N°63.

1. Ustav epidemiologie a mikrobiologie v Praze (reditel prof.
dr. K.Raska, DrSc.) a Ustav ser a ockovacich latek v Praze
(reditel MUDr.J.Malek).

*

ZACEK, Karel; ADAM, Ervin; RADKOVSKY, Josef; VONKA, Vladimir; VANECKOVA, Nina; REZAGOVA, Dagmar; JANDA, Zdenek; ADAMOVA, Vlasta

Repeated serological surveys performed in the general population of Czechoslovakia before and after the vaccination of children with inactivated and live poliovirus vaccine. J.hyg.epidem., Praha 4 no.4:453-469 '60.

1. From Institute of Sera and Vaccines, Clinical Laboratory for Poliomyelitis Research and from the Institute of Epidemiology and Microbiology, Prague.

(POLIOMYELITIS immunology)

REZACOVA, Zdena; ANTOS, Jaroslav; VOTIK, Ota

Sexual behavior of mature and fertile women. Sborn. ved. prac. lek.
fak. Karlov univ. (Hrad Kral) 4 no.5:645-649 '61.

1. Gynekologicko-porodnicka klinika; prednosta prof. DrSc. MUDr.
J. Pazourek.

(SEX BEHAVIOR) (PREGNANCY) (LABOR)

ANTOS, Jaroslav; REZACOVA, Zdena

Forceps delivery in breech presentation in the past 20 years in the Gynecological Clinic in Hradec Kralove. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.5:657-660 '61.

1. Porodnicko-gynekologicka klinika; prednosta prof. DrSc. MUDr. J. Pazourek.

(LABOR PRESENTATION) (OBSTETRICAL FORCEPS)

REZACOVA, Zdenka; KOHOUTEK, Miroslav

The fate of pregnant women who were refused the artificial interruption of pregnancy. Cesk.gyn.25[39] no.10:759-761 D'60.

1. Gyn.por.klin. LFU v Hradci Kralove, prednosta prof. MUDr.
Josef Pazourek, Dr. Sc.
(ABORTION THERAPEUTIC)

REZ-12, N.I.
POIAND/Optics - Spectroscopy

K-7

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 3483

Author : Mianzecki, B., Rezasu, N.L.

Inst : Moscow State University, USSR

Title : Intensity and Width of the Raman Lines of Benzene and Carbon Disulfide.

Orig Pub : Bull. Acad. polon. sci., 1957, Cl. 3, 5, No 6, 643-648

Abstract : With the aid of the photoelectric method, using a DFS-4 dif-
fraction spectrometer, the authors have measured the integral
intensities, the intensity at the maximum, and the halfwidth
of the lines in the Raman spectra of liquid C_6H_6 and CS_2 at a
temperature of 30°C. The spectral widths of the slits were 0.7
to 2.5 cm^{-1} . The obtained values of the integral intensities
I are (cm^{-1} , I ; in the cyclohexane scale (C_6H_{12}) 802 cm^{-1}
I 500): C_6H_6 : 607, 330; 350, 150; 992, 2200; 1178, 390; 1586,
360; 1606, 230; 2, 951, 140; 3, 647, 1200; 3062, 1770. CS_2 :
641, 300; 648, 1,000; 656, 3300; 788, 100; 796, 670; 805, 330;
813, 130. The intensities for CS_2 are in good agreement with
the theoretical values.

Card : 1/1

REZAK, S.

RZHEGAK, S. [REZAK, S.], BARTOUSHEK, V. [BARTOUSEK, V.], DUBANSKIY, B.
[DUBANSKY, B.]

Use of vitamin B12 in diseases of the optic nerve [with summary in English]
Vest.oft. 71 no.4:28-31 J1-Ag '58 (MIRA 11:8)

1. Klinika glaznykh bolezney Voenno-meditsinskoy akademii im.
Ya.Ye. Purkine (zav.kafedroy - prof. doktor meditsiny M.Klima),
Gradets Kralove, Chexoslovakiya.

(NERVES, OPTIC, dis.

vitamin B12 ther. (Rus))

(VITAMIN B12, ther. use

optic nerve dis. (Rus))

REZAK, S.V.

MIAG-200 extractor. Masl.-zhir. prom. 24 no.10:42-43 '58.
(MIRA. 11:10)

1. Tekhnopromimport.
(Extraction apparatus)

REZAK, S.V.

Automatic machine for labeling perfume bottles. Masl.-zhir.prom.
25 no.3:37 '59. (MIRA 12:4)

1. Tekhmashimport.

(Labeling machines)

REZAK, S.V.

Centrifugals of the Swedish firm "Asea-landsverk." Sakh. prom.
33 no.8:71-75 Ag '59. (MIRA 12:11)
(Sugar machinery) (Centrifuges)

REZAK, S.V.

Apparatus for determining the consistency of margarine and butter.
Masl.-zhir. prom. 24 no. 8:45 '58. (MIRA 11:8)

1. Tekhnopromimport.
(Margarine--Testing)
(Butter--Testing)

REZAK, S.V.

Unit for manufacturing soap under vacuum. Masl.-zhir.
prom. 25 no.11:39-40 '59. (MIRA 13:3)
(Soap)

DOROKHIN, P.N., kand.tekhn.nauk; REZAKOV, V.G., inzh.

Attaching smoke tubes to steam boiler tube grates. Rech.transp.
16 no.9:12-14 S '57. (MIRA 10:12)
(Boilers, Marine) (Ships--Maintenance and repair)

REZAKOV, G.S.

Heat content of waters in the Kolyma Gulf. Probl. Arkt. i
Antarkt. no.9:29-35 '61. (MIRA 15:1)
(Kolyma Gulf—Ocean temperature)

KOHOUTEK, M., Hradec Kralove II, Bretislavova 1219; REZAC, V.; REZACOVA, Z.

Cardiac defects in pregnancy. Cesk. gynek. 30 no.9:659-663 N '65.

1. Gyn.-por. klinika (prednosta prof. dr. K. Vacha, DrSc.) a I.
interni klinika (prednosta prof. dr. F. Cernik) lekarske fakulty
Karlovy University v Hradci Kralove.

OBRADOV, S.; REZAKOVIC, Dz.; CERIMOVIC, S.; TEFTEDARJA, M.

Acute leukoses at the Clinic of Internal Diseases in
Sarajevo from 1949 to 1959. Bul sc Young 7 no.1/2:8
F-Ap '62.

1. Medicinski fakultet, Sarajevo.

*

REZAKOVIC, Dz., d-r; RAJEVIC, B., d-r

Clinical contributions of plasmacytoma. Med. arh., Sarajevo 13 no.1:
67-71 Ja-F '59.

1. II interna klinika V.d., ref: doc. d-r M. Simic.
(MYELOMA PLASMA CELL case reports)

POPOVIC, V.; REZAKOVIC, Dz.; OMAZ, E.; CVJETICANIN, A.

Clinical contribution to plasmacytic leukemia. Med. arh.,
Sarajevo 12 no.2:77-82 Mr-Apr '59.

1. II Interna klinika Medicinskog fakulteta u Sarajevu, sef, v.d.:
doc. d-r Simic.

(MYELOMA PLASMA CELL compl.)

(LEUKEMIA etiol.)

REZAKOVIC,Dz.,d-r; KULENOVIC,S.,d-r; POPOVIC,V.,d-r

Clinical contribution to the abdominal form of Hodgkin's disease.
Med. arh.,Sarajevo 13 no.6:107-112 N-D '59.

1. II. Interna klinika Medicinskog fakulteta u Sarajevu, sef:
prof. d-r Simic.

(STOMACH NEOPLASMS)

(HODGKIN'S DISEASE)

ZEC, R.; REZAKOVIC, D.; IBRAHIMBEGOVIC, F.

Clinical contribution to megaloblastic anemia in pregnancy. Med.arh.,
Sarajevo 14 no.7:67-73 Ja '61.

1. Interna klinika Medicinskog fakulteta u Sarajevu - II odjeljenje
(Sef: prof. d-r Miron Simic)
(PREGNANCY compl)
(ANEMIA HYPERCHROMIC in pregn)

REZAKOVIC, Dz., doc. dr.

Blood coagulation disorders in obstetric and surgical conditions
and their modern treatment. Med. arh. 18 no.1:45-55 Ja-F '64.

J. Interna klinika II, Medicinskog fakulteta u Sarajevu (Sef:
Prof. dr Miron Simic).

REZAKOVIC, Dzemal, doc. dr.

Jectofer in the treatment of iron-deficiency anemias. Med. glas.
18 no.9:283-285 S '64

1. Interna klinika II Medicinskog fakulteta u Sarajevu (Sef:
prof. dr. M. Simic).

REZAKOVIC, Dzemal, doc. dr (Sarajevo)

Clinical importance of immunoelectrophoresis.
Farmaceut gl Zagreb 19 no. 12: 466-470 D '63

1. Ix II interne klinike Medicinskog fakulteta u Sarajevu; sef prof. dr M. Simic.

*

Reel # 463

**Reshetnikov, A.G.
to**

Rezdkovic, Dzen

END