

MAJER, L.:

On the possibilities of applying advanced methods in the glass industry.

By L. Majer ...

SO: Szklo i Ceramika, #10, 1955, p 232.

MAJER, L

POLAND / Chemical Technology. Chemical Products and H
Their Applications. Glass.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12592.

Author : Majer, Leszek.

Inst : Not given.

Title : New Method in the Glass Industry of Czechoslovakia.

Orig Pub: Szklo i ceram., 1958, 9, No 8, 226-232.

Abstract: Observational data recorded by Polish specialists who visited 4 Czech glass plants producing glass packing predominantly are described. In particular, sketches or descriptions are cited of: automation (A) of slag removal from the gas generators, A of formulations and weighing of glass batches and of the method of lining the batch containers of the vat glass furnaces, of the apparatus for cooling the glass brick at the mirror level of the

Card 1/2

L 1709-66 EWT(m)/EFF(c)/EAP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5024159

CZ/0043/64/000/012/0900/0912

AUTHOR: Majer, P. (Mayer, P.) (Docent, Candidate of sciences)(Bratislava);
Jurecek, M. (Yurachek, M.) (Professor, Doctor, Engineer)(Pardubice)

41
39
B

TITLE: Determination of active hydrogen in some nitro and nitroso compounds

SOURCE: Chemické zvesti, no. 12, 1964, 900-912

TOPIC TAGS: hydrogen, gas analysis, gas analyzer, chemical kinetics, organic nitro compound, organic nitroso compound

ABSTRACT: Analytical methods using liberated gas measurement in a gas meter were investigated; as hydrogen source LiAlH_4 dissolved in N-ethylmorpholine and dibutylether was used. Kinetic study of the course of reaction showed that with some of the materials investigated it was possible to distinguish the reaction of the active hydrogen from the reaction of the nitro and nitroso groups with the reagent, and that therefore it is possible to determine active hydrogen in the presence of these groups. Orig. art. has: 14 graphs, 2 tables.

Card 1/2

L 1709-66

ACCESSION NR: AP5024159

ASSOCIATION: Katedra analytickej chemie Prirodovedeckej fakulty Univerzity Komenskeho, Bratislava (Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University); Katedra analytickej chemie Vysokej skoly chemicko-technologickej, Pardubice (Department of Analytical Chemistry College of Technical Chemistry)

2

SUBMITTED: 15Feb63

ENCL: 00

SUB CODE: OC, GC

NR REF SOV: 000

OTHER: 035

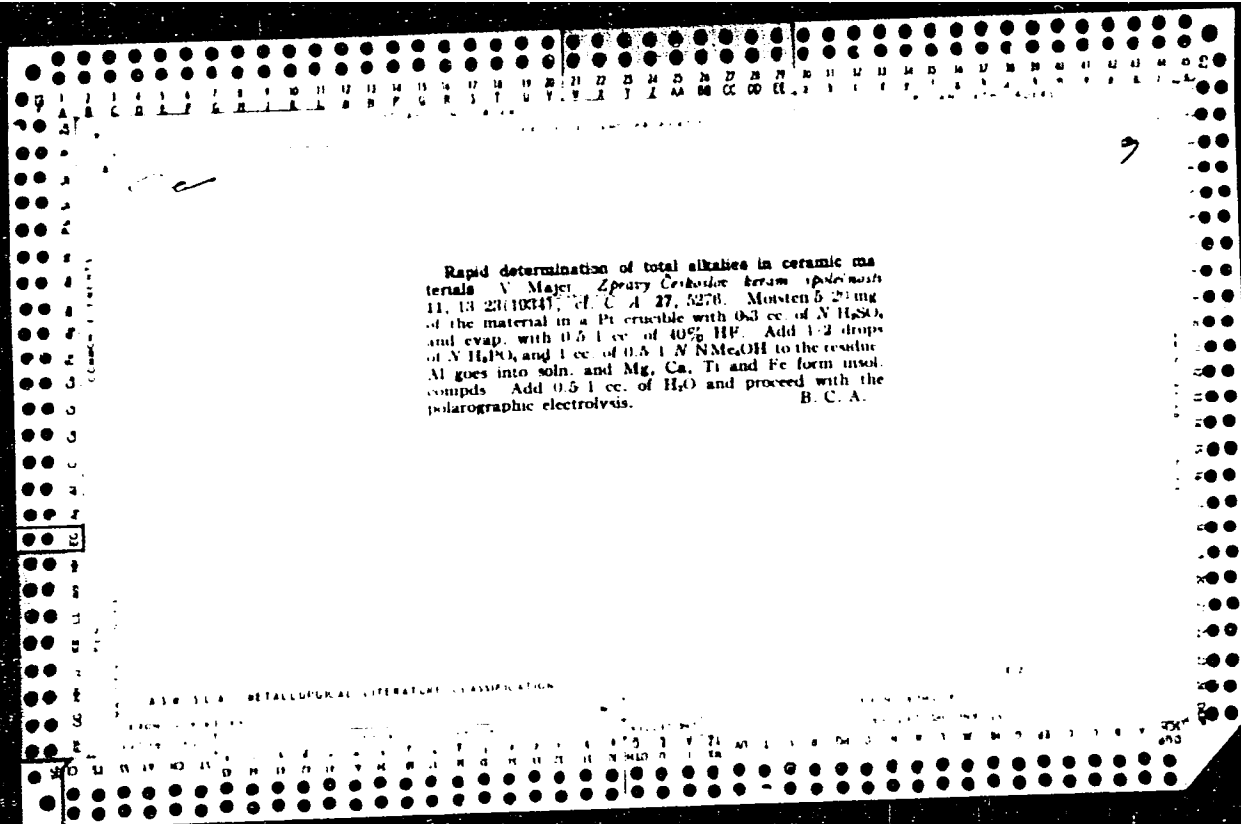
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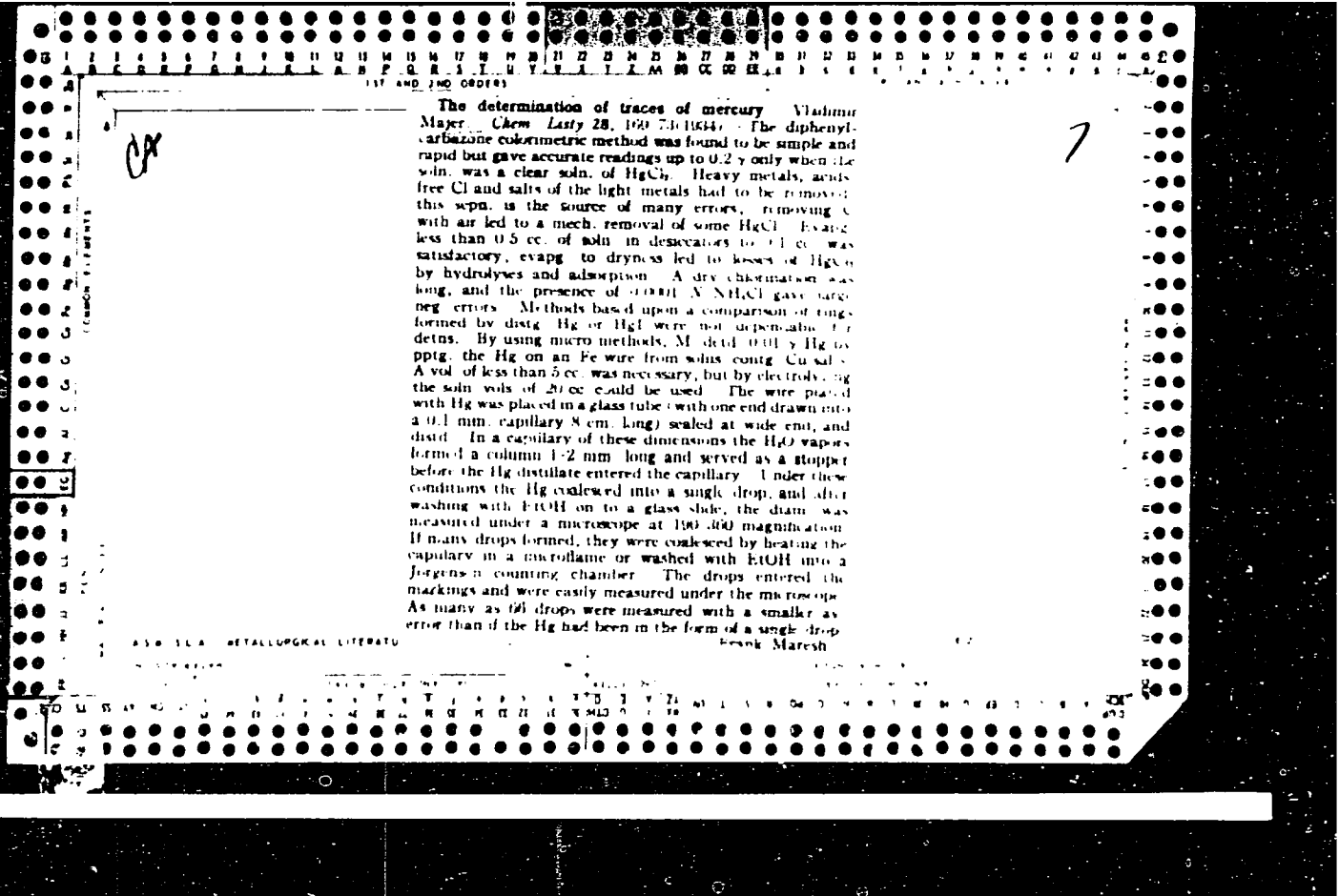
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SP

MAST, S.

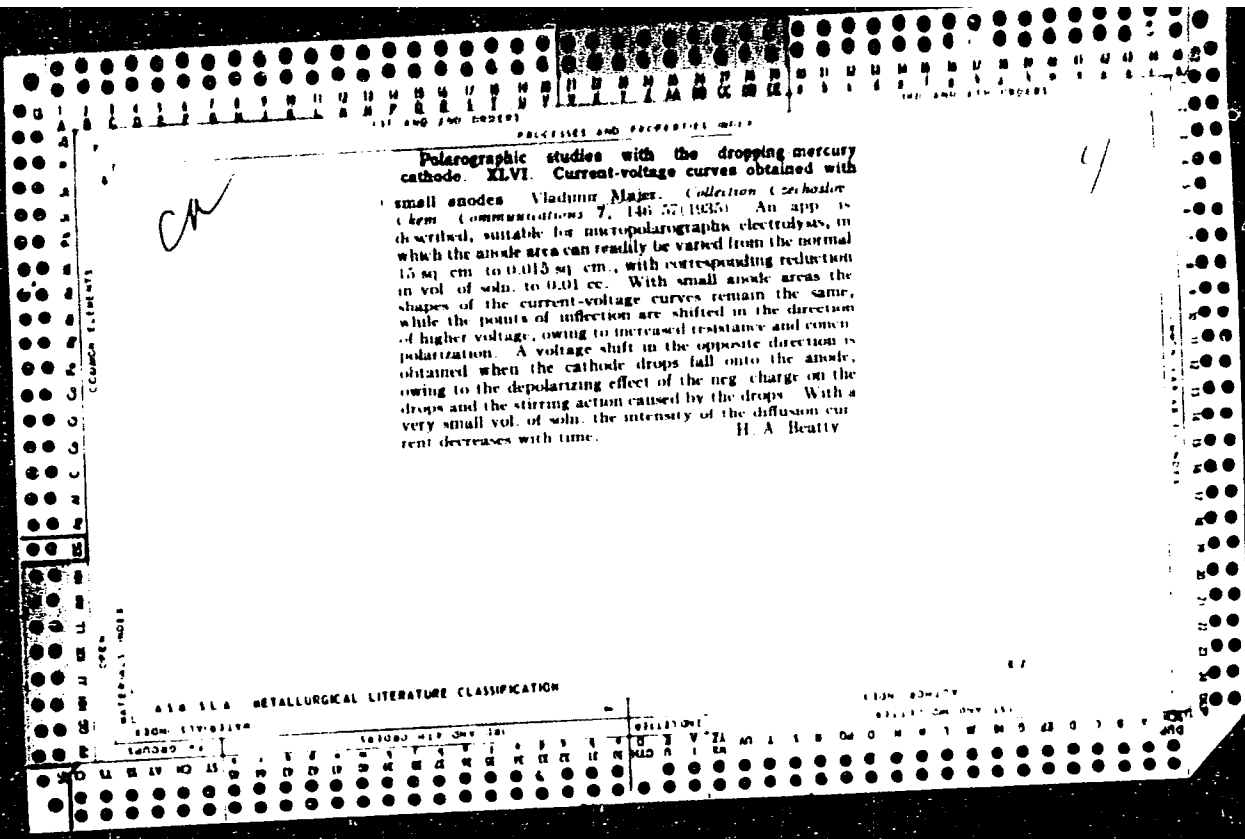
MAST, "Allosteron - a new, highly active hormone." Journal of Biol. Chem.,
No. 1, January 1955, pp. 1-4.

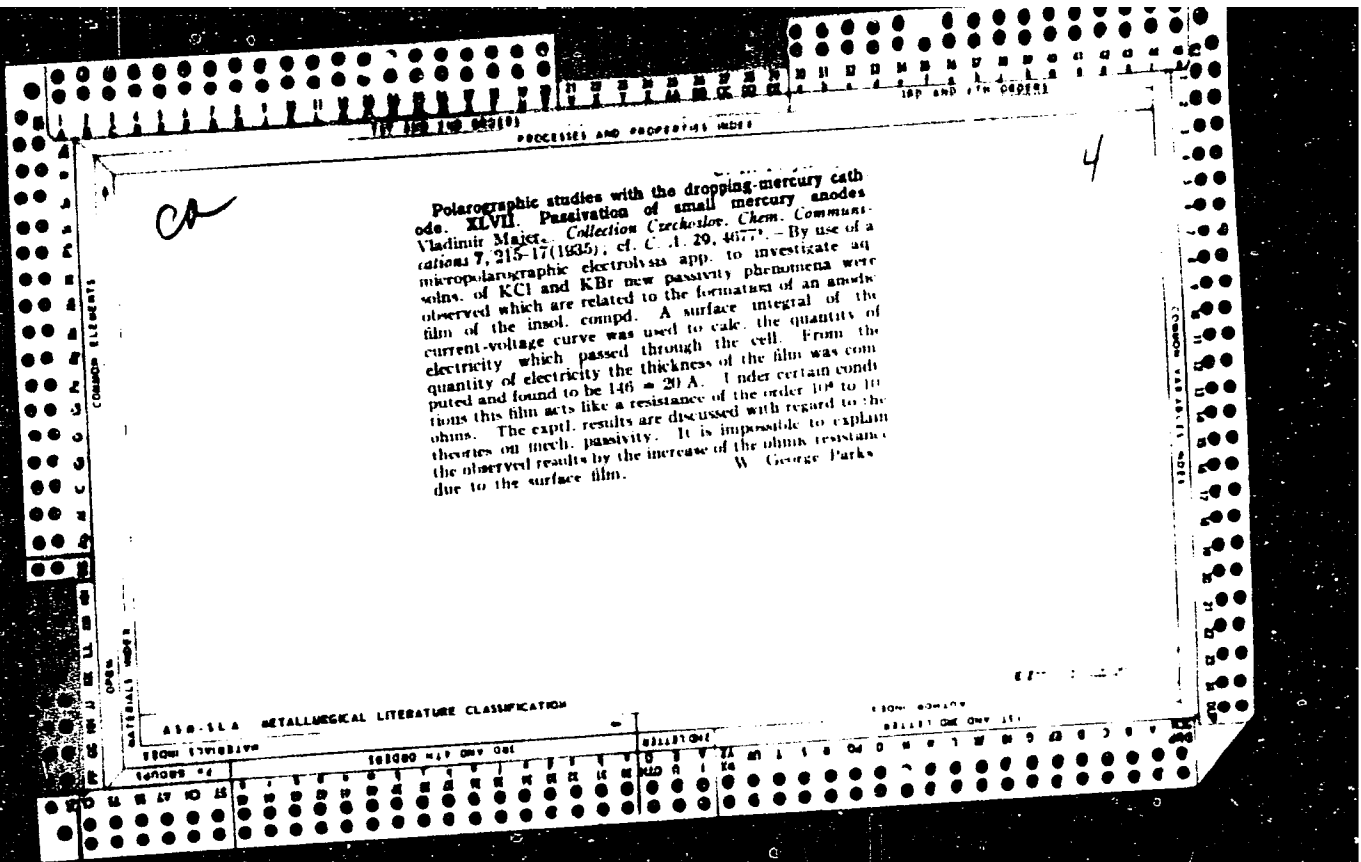


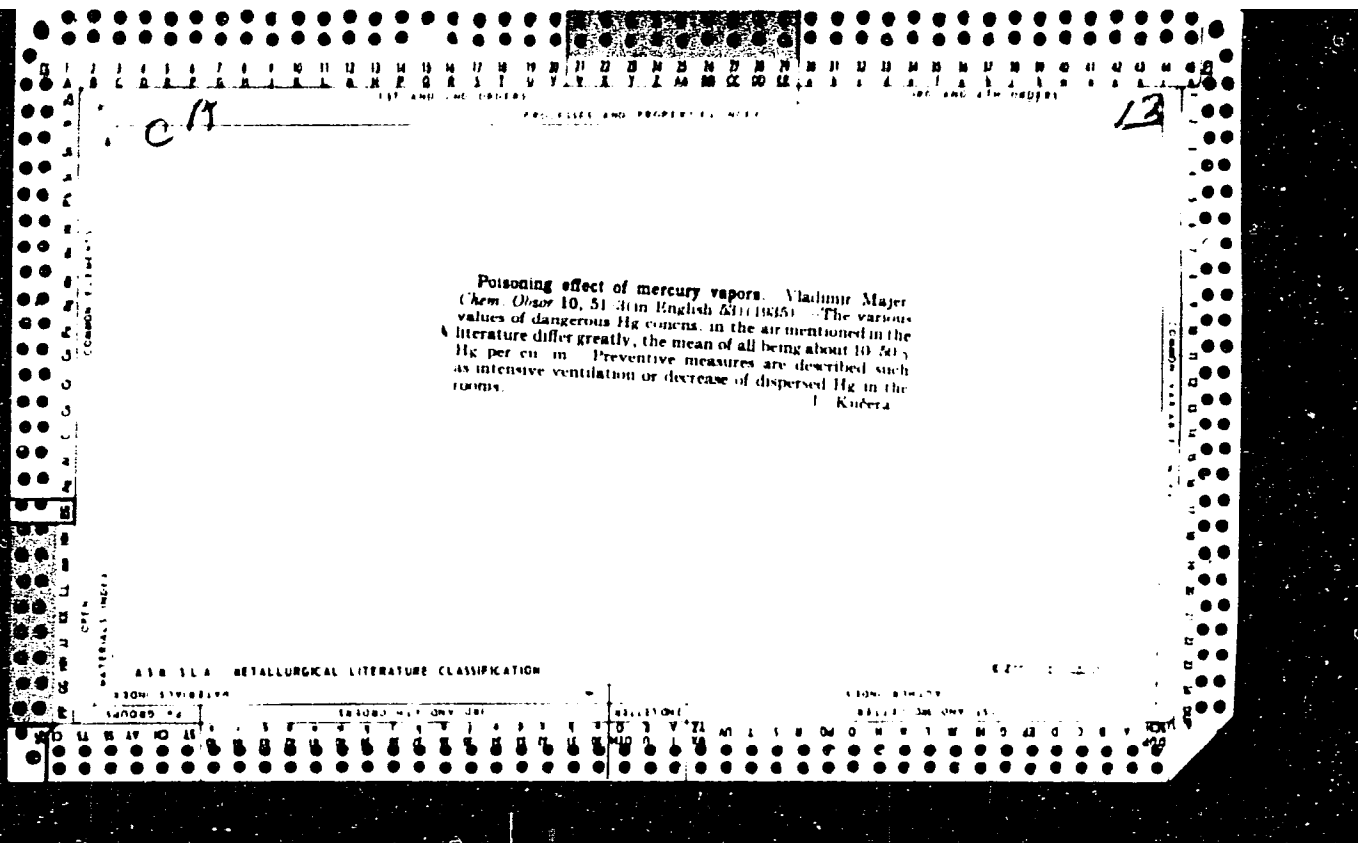


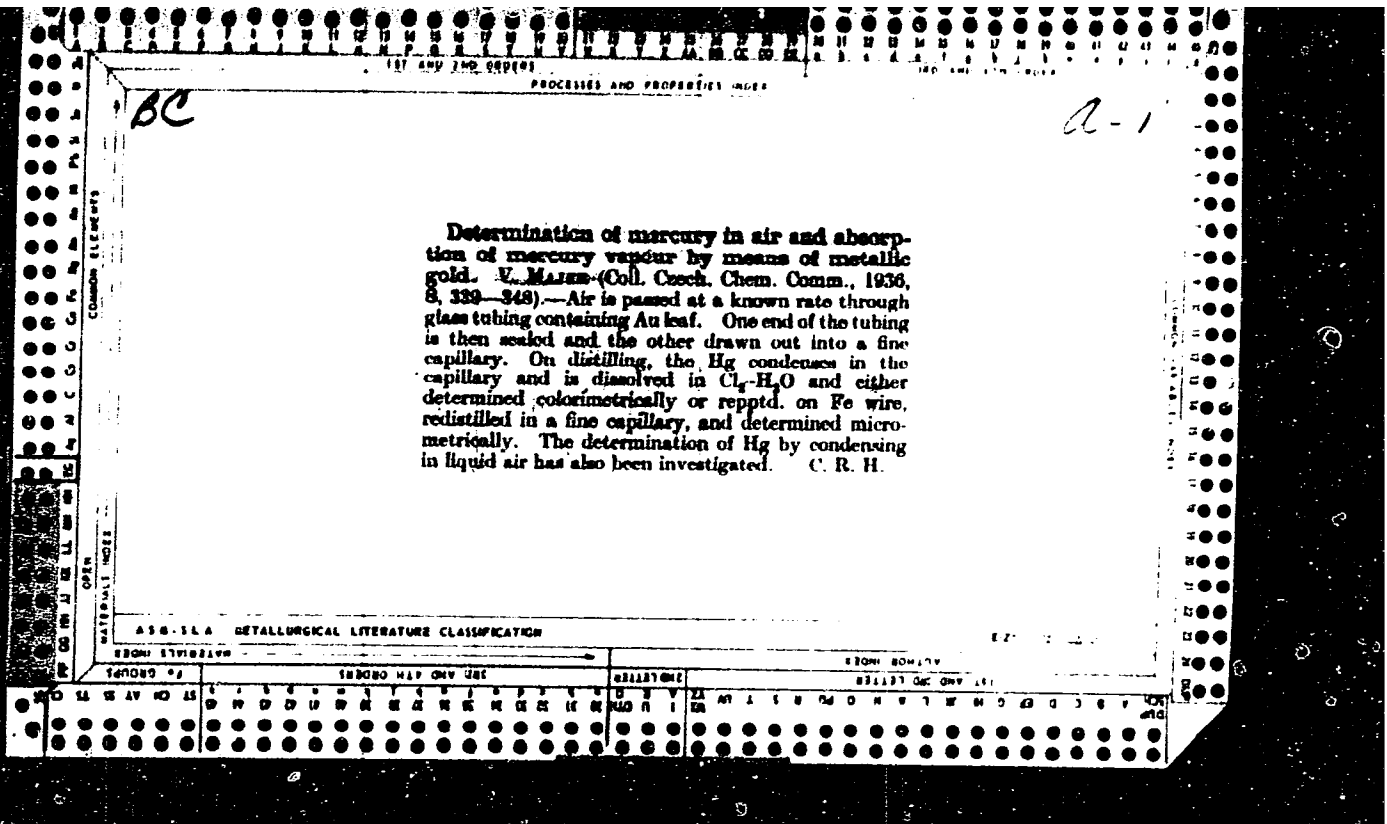
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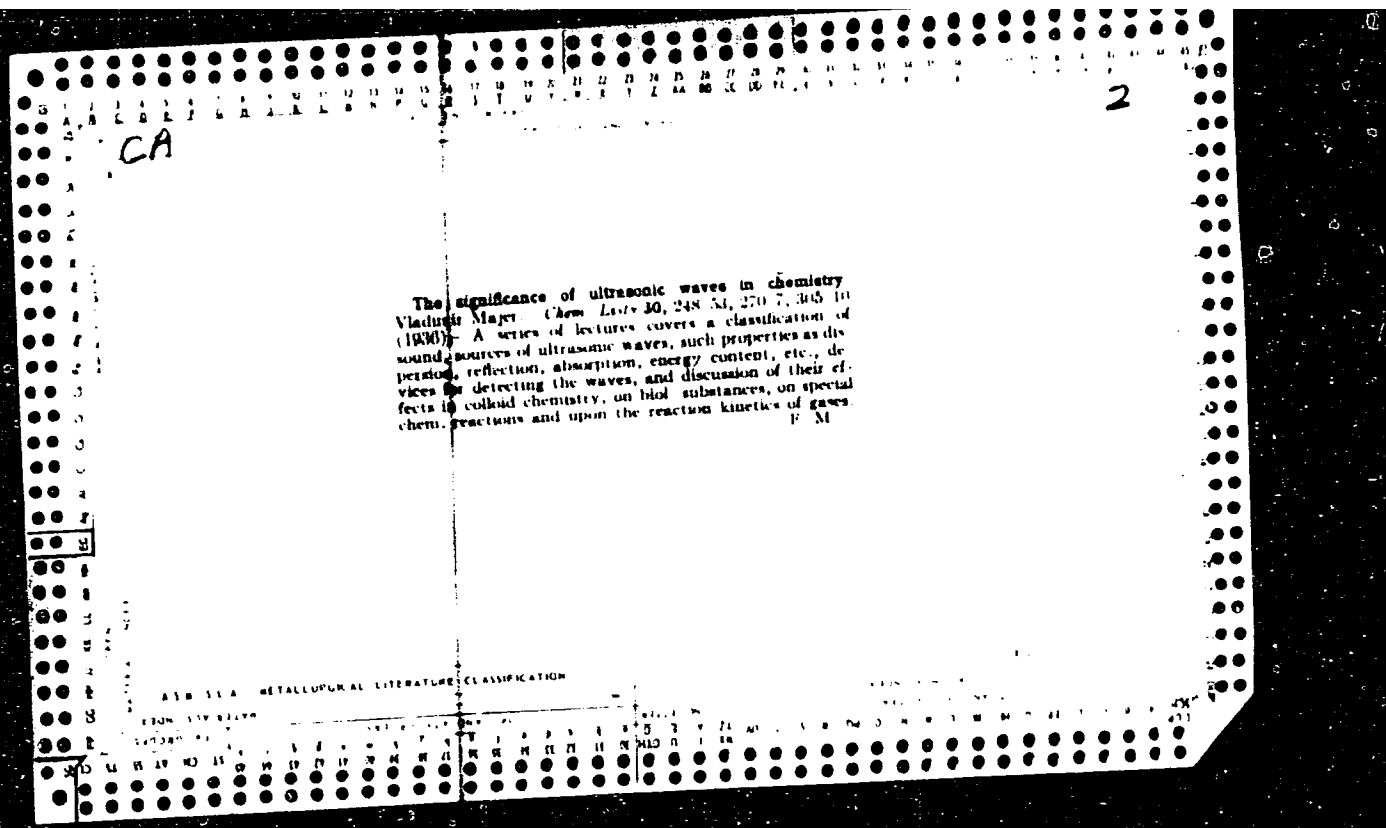
Determination of mercury in the air and the absorption of mercury vapors by metallic gold. Vladimir Maresch, *Chem. Listy* 28, 225-9, 244-7 (1934). Hg in air must be condensed before it can be detected chemically. By containing the Hg vapors with gaseous Cl or Br and condensing the Hg salt caught in solution, M. was not able to prevent large losses during evaporation. The absorption of Hg on metallic Au was incomplete, for other vapors contained in air inactivated the Au surface. From air containing 10-30 Hg per cubic meter only the 3rd absorption tube containing Au deposited Hg. Carefully filtered air containing 4000 Hg per cubic meter deposited 90-95% of its Hg vapor in the 1st absorption tube. The most satisfactory condensation occurred when air passed through 1-tubes (10-20 mm in diameter and 25 cm. long) immersed in liquid air for 3 hrs. at a rate of 200-300 cc. per minute. The tubes were removed from the liquid air, the CO₂ melted, and 2-3 cc. H₂O remained in them. The tubes were filled with Cl₂ gas and allowed to stand undisturbed. After the contents were placed in a 5 cc. test tube, the 1-tubes were washed 3 times with 0.5 cc. of Cl₂ water. The Hg was then precipitated on an Fe wire plated with a Cu film and was detected micrometrically. About 1.5 l. of liquid air was required for the procedure. A complete recovery was obtained by 2 absorption tubes. The Hg condensed in the 3rd tube was zero or negligible. Precautions must be taken to prevent air evaporation from the liquid air from passing through the absorption tubes. Air containing large quantities of CO₂ has to be kept at -80 until the CO₂ evaporates, a sudden evaporation at room temperature lost 10% of the condensed Hg. Frank Maresch.











1ST AND 2ND GROUPS

PROCESSES AND PROPERTIES INDEX

BC

2-1

Polarographic studies with the dropping mercury cathode. LXX. Hydrogen overpotential in mixtures of light and heavy water and the separation coefficient. J. HEYZOVSKY. LXXI. Changes of polarization when using small anodes. V. MAJKA (Coll. Czech. Chem. Comm., 1937, 9, 345-359, 360-376).—LXX. Theoretical. The results of Novák (this vol., 414) are discussed and a formula expressing the H overpotential in acid D₂O-H₂O mixtures is deduced. The electrolytic separation coeff. for H and D at cathodes with high overpotential is discussed.

LXXI. Apparatus for the automatic registration of current-voltage and "potential-voltage" curves (the course of the electrode potential during electrolysis with a stable Hg anode and a dropping Hg cathode) is described. In NO₃ and SO₄ solutions considerable changes in anode potential occur if the anode is small. In Cl⁻ solutions the addition of Hg₂Cl₂ stabilises the potential of large anodes, but does not prevent passivity of small anodes. In OH⁻ solutions red HgO does not remove changes of anodic polarization. These phenomena are explained by supersaturation of the anodic layers and by the formation of finely dispersed HgO of increased solubility. E. S. H.

ASS-11A METALLURGICAL LITERATURE

CONCERN ELEMENTS

OPEN

MATERIALS INDEX

1ST AND 2ND GROUPS

1ST AND 2ND GROUPS

A-1

Polarographic studies with dropping mercury cathode. VI. Simultaneous polarisation of both electrodes. V. MAJER. (Coll. Czech. Chem. Comm. 1937, 9, 457-464).—The influence of the electrolyte and of the presence of O_2 on the variations in anodic and cathodic potential accompanying changes in applied voltage are discussed. J. S. A.

Radioactive recoil in the preparation of thorium C
Vladimír Mager *Collection Czechoslov Chem Commun*
10, 230-41 (1945) — By starting with a prepn of radio-
thorium, Th C² was collected on a 1.5-cm sq Pt foil
from the active deposit by the recoil method (Hahn and
Meitner, C. J. 3, 282) with a field of 120 v and ex-
posures of 24 hrs and 10-15 min for the active deposit
and Th C², resp. While the Th C² showed sufficient
purity when exam'd electroscopically, a Geiger-Müller
counter showed not only the expected Th C and Th B but
also a Th X content amounting to 10% of the atoms. This
admixture causes 0.01% of the initial activity of the prepn.
The impurity is explained by the recoil of atomic aggre-
gates (Schwarz, C. J. 28, 574) which pass, under the
influence of the elec. field and without loss of Th X, from
one Pt foil to the next during the purification. In one
expt. an unexplained increase in activity between 30 and
50 hrs. was recorded. D. W. Pearce

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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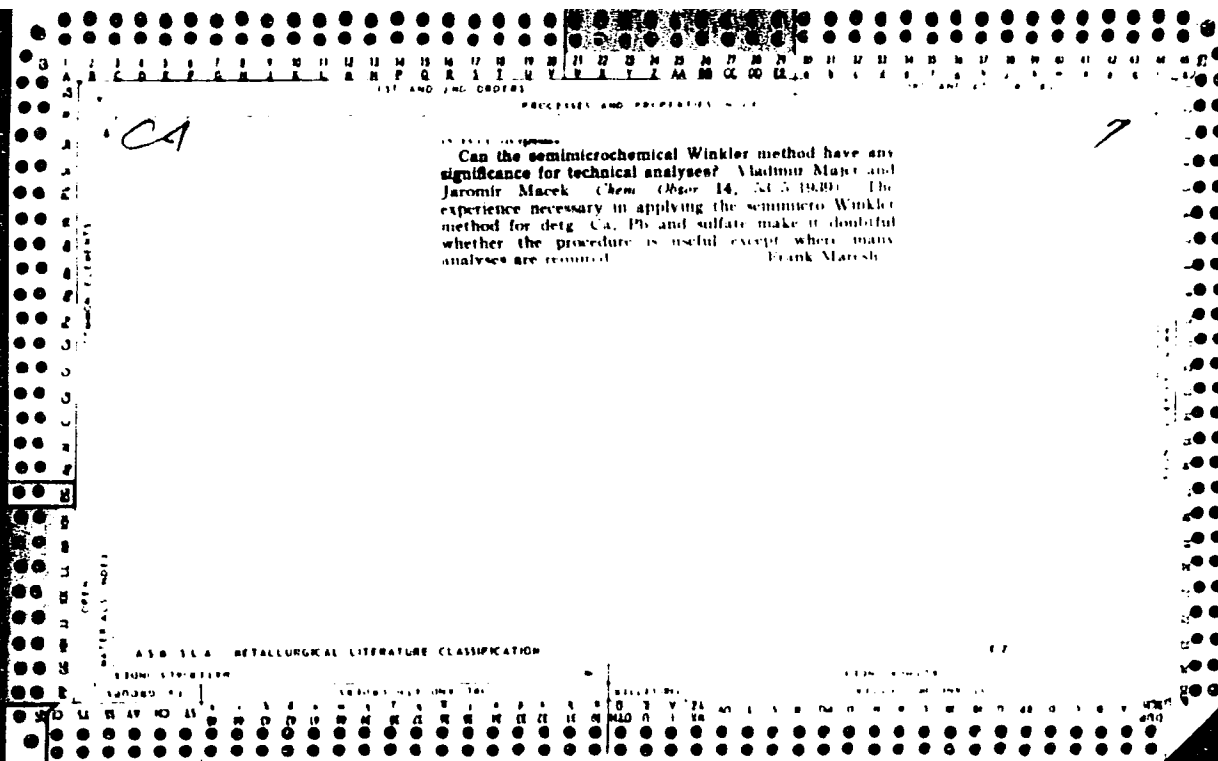
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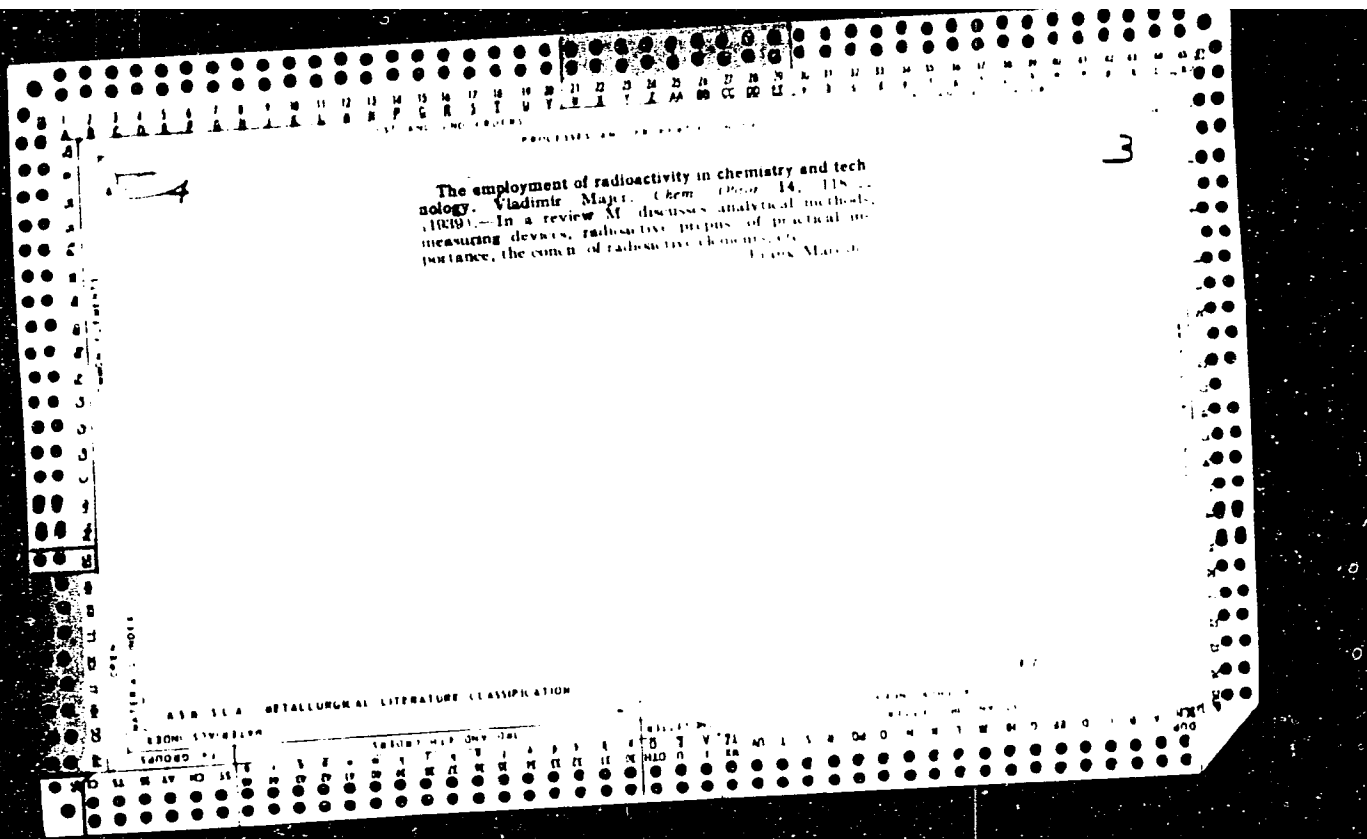
Can radioactive isotopes of thallium with a long life-period be used as indicators? V. MAJER (Chem. Listy, 1938, 32, 496-498).—Thermic neutrons from a Ra-Be source were allowed to act on Tl₂O, with the object of obtaining ²⁰⁸Tl (half life-period, 97, min.), to be used in place of Th-O' as an indicator of Tl. The product obtained exhibited feeble activity, and contained chiefly ²⁰⁸Tl. Using a Geiger-Nuttall counter, the radioactivity of Th-O' can be detected during 30 min., which suffices for most analytical purposes. R. T.

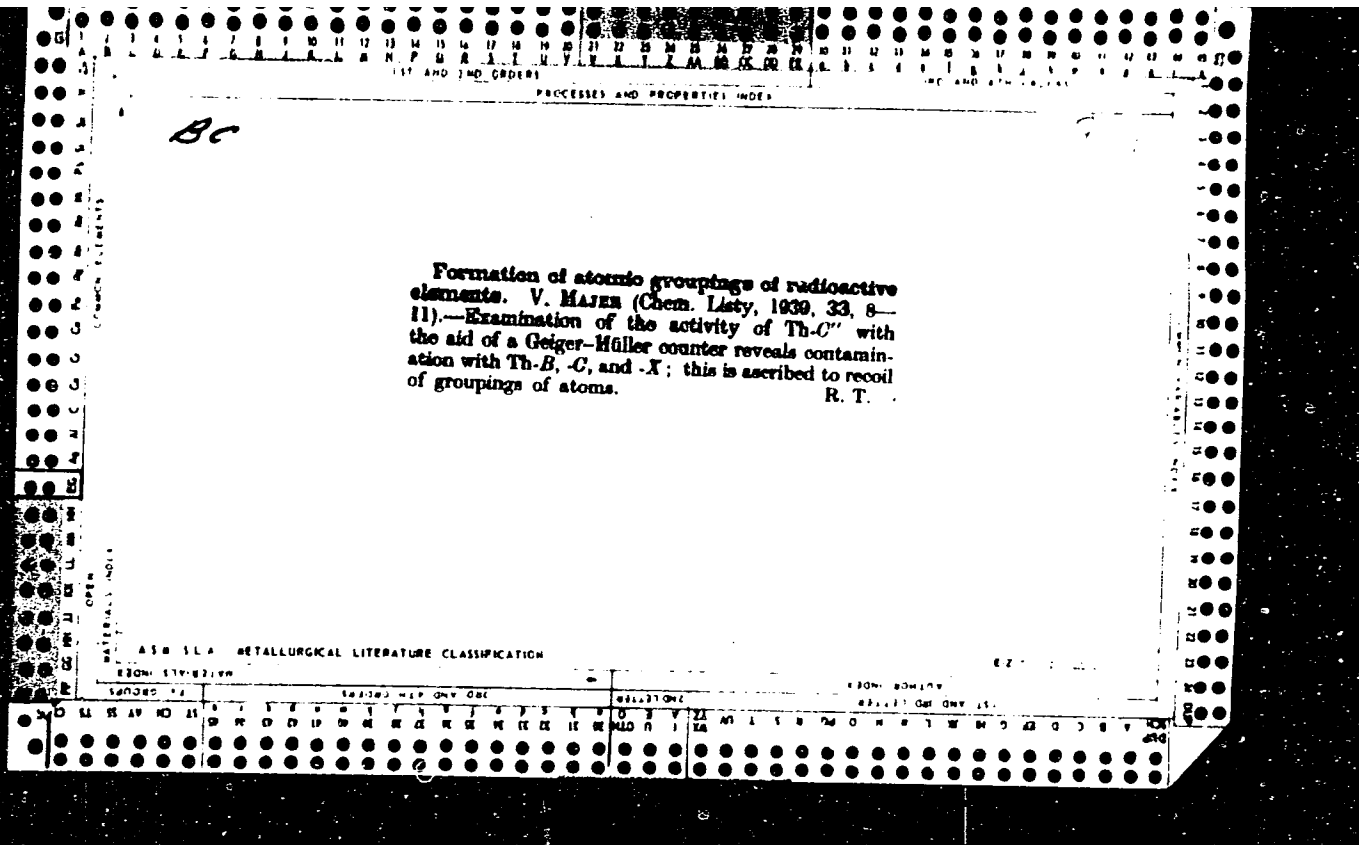
COMMON ELEMENTS

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

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







Preparation and concentration of radioactive gold.
 Vladimir Majer. *Chem. Listy* 33, 1302-1309 (1939). (1)
 About 50 g of $\text{Na}_2[\text{Au}(\text{SO}_3)_2]$ was bombarded by thermal neutrons from $\text{Rn} + \text{Be}$ in a large paraffin block for 48 hrs. The powd. residue was shaken for 4 hrs. with 5 g of metallic Hg. The ratio of the active to the inactive isotope was 9 times greater in the Hg than in the Au residue. The greatest activity was found in the most finely dispersed Hg, which is in a position to amalgamate the largest no. of liberated atoms of radioactive Au. (2)
 One cc. of 0.05 M AuCl_3 treated with a few drops of oxalic acid and heated until it ceased to be optically clear was added to 20 cc. of 0.05 or 0.5 M AuCl_3 contg. enough NaOH to be a 5 M soln. After the soln. became red, it was exposed to thermal neutrons from $\text{Rn} + \text{Be}$ at an av. intensity of 400 millicuries for 48 hrs. During the period of bombardment some of the Au coagulated from an ionic dispersion into a colloidal dispersion and finally into a suspension which pptd. and carried with it the atoms of radioactive Au liberated from the AuCl_3 , the latter substance contg. a large no. of Au atoms which can be activated. The Au of the colloidal ppt. contained a 10-fold concn. of the radioactive Au. Frank Matosh.

A.S. S. METALLOGICAL LITERATURE CLASSIFICATION

117 AND 119 (2581)

119 AND 174 (2581)

PROCESS AND PROPERTIES INDEX

pa

2

The catalytic effect of the most minute quantities of mercury during the oxidation of hydrogen in concentrated sulfuric acid. Vladimir Majer. *Chem. Listy* 14, 25-9 (1940).—A micro app. is described for studying the oxidation of H₂ (200 cc. per hr.) in 1 cc. of concd. H₂SO₄ in the presence of 0.00-5 γ of Hg. The reduction of H₂SO₄ by the H began to occur in the range 215-225°; all studies were made at 220°. In the presence of 0 to 1 γ of Hg the catalytic effect of the Hg was a linear function of the concn of the Hg; in the presence of 1 to 5 γ of Hg the catalytic effect of the Hg increased slowly for increases in Hg. The small app. enabled a study of the effect of quick or sudden temp. changes, small vols. of reagents, rapid changes in reagents, etc., upon the oxidation of H₂; these factors could not be studied in previous work with large vols. of reagents. The H₂ was used fresh; because of activated aerosols, the purified and washed H₂, when stored for several days, became "aged or ripened" and possessed a rate of oxidation that was faster than that of the fresh H₂. The action of aqua regia and of H₂SO₄ on the Jena-glass wall of the app. and the effect of the etched surface on the reaction velocity are given in detail. Special precautions were taken to eliminate the Pt and V present in glass from affecting the reaction. Frank Maresh

Common Elements

Common Elements

Materials Index

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

FROM BOWLING

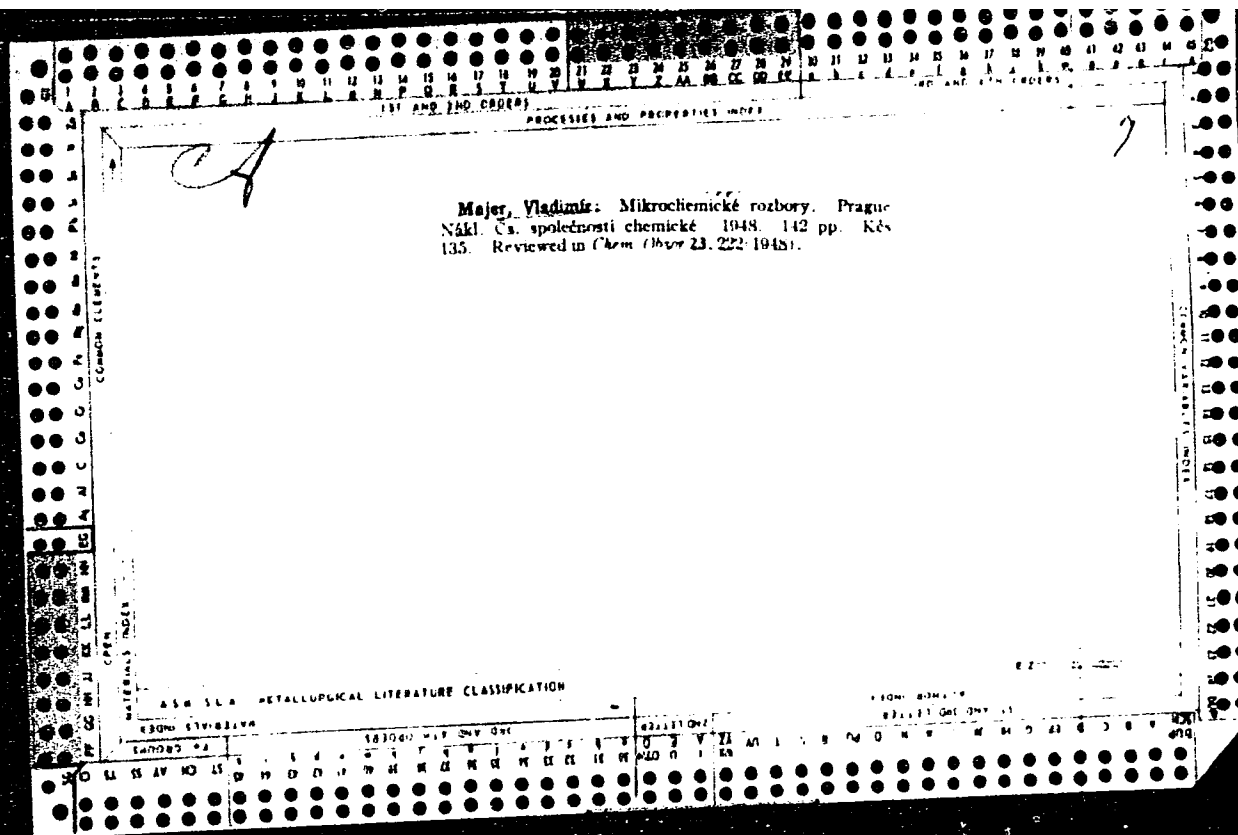
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7

The practical significance of the Winkler procedure.
 Vladimir Majer (Tech. Hochschule, Prague). *Z. anal. Chem.* 122, 257-62 (1941). L. W. Winkler and his students (unpublished literature) have developed a gravimetric procedure in which ppt. are collected on a cotton filter, dried in a stream of air at a definite temp., and weighed. W's procedures were tested for detg. small quantities of Ca^{++} , SO_4^{--} , Pb^{++} , and PO_4^{--} . In detg. 5-20 mg. of Ca^{++} , the results were fairly good, as was true of Pb and SO_4 , with PO_4 serious errors resulted. The conclusion is that the procedure is useful in some cases and not as worthless as some have claimed nor as reliable as others have thought. W. T. Hall

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

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CA

24

Explosions in laboratories produced by chloric acid
Viktor Mayer, *Chemie (Prague)* 3, 90 (1918). The re-
corded explosions of HClO_3 have been due to the formation
of explosive compds. with Bi, Sb, Ni, and org. substances.
Explosions produced by Fe were due in part to the liberated
H Frank Marsh

7

Determination of small amounts of thorium in the presence of uranium. V. Majer and M. Cejpkova. *Chem. Commun. Univ. Prague, Collection Czechoslov. Chem. Commun.* 15: 874 (1950) (in English). — Th oxalate is pptd from 0.02 M HNO₃ in 1 M H₂C₂O₄ soln., digested overnight, washed with 0.01 M HNO₃, and redissolved in 2 N H₂SO₄. The resulting soln. is titrated with KMnO₄. — L. Meites.

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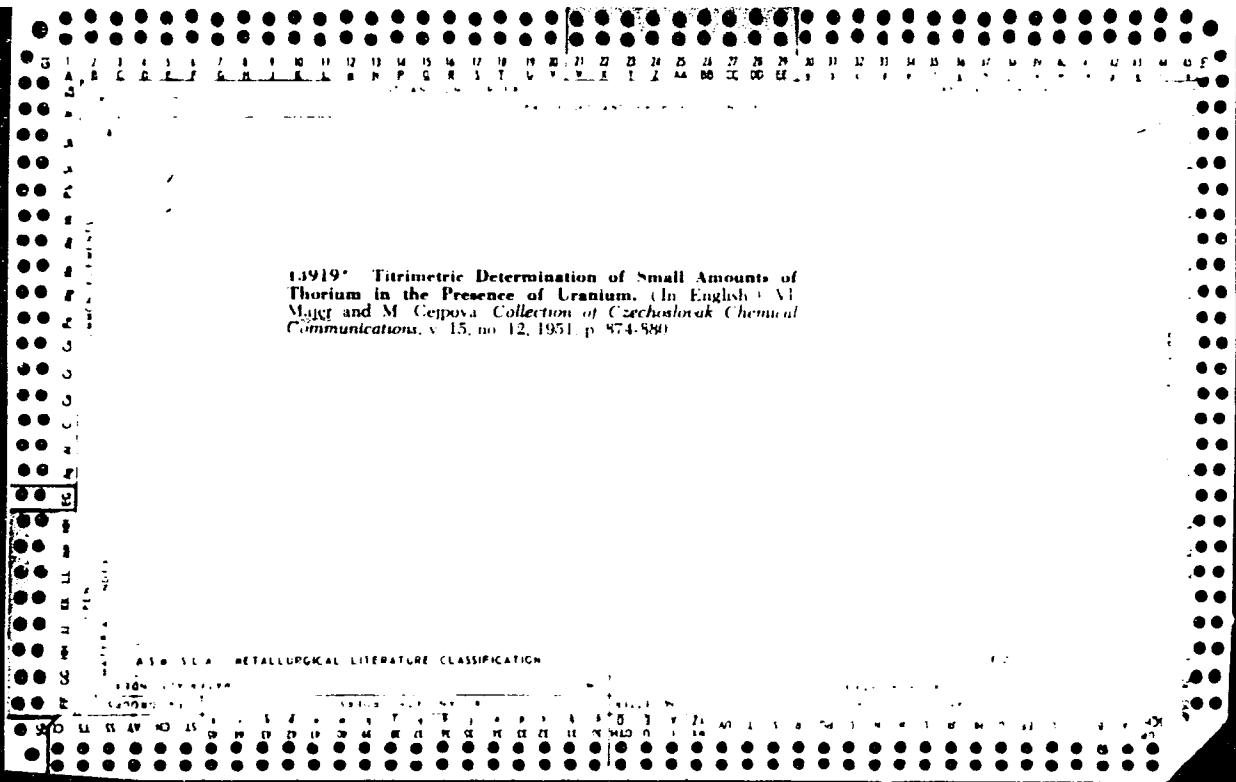
6

Chlorination of stibnite J. Sedláček and V. Majer
(Tech. Univ. Prague). *Chem. Listy* 44, 668 (1950)
Crude stibnite was chlorinated at 250° to produce anhydrous
SbCl₃. The isolation of SbCl₃ from Sb₂Cl₃ by distn. was not
successful, and the yield of SbCl₃ was low. Chlorination
of Sb₂S₃ in an aq. medium was unsuitable for the production
of the anhyd. compd. The best yields (83%) were ob-
tained by chlorination in CHCl₃ soln., in which SbCl₃ is
but slightly sol. M. Hudlický

CA

7

Manganometric determination of small amounts of
the lead. V. Mayer, Tech. Univ. Prague, *Chem. Listy*
1957, 50(1970). To 5 ml. soln. contg. 0.5 mg. Pb
add 5 ml. 2 N HNO₃, heat on a steam bath, and add drop-
wise 5 ml. of a satd. soln. of C₂H₃O₂. Continue the heating
1-2 hrs., allow to stand a few hrs. at room temp., filter,
wash the ppt. 4 times with 35-ml. portions of water contg.
0.5 ml. 2 N HNO₃ per 100 ml. Dissolve the PbC₂O₄ in
5 ml. 2 N H₂SO₄, and titrate with 0.01 N KMnO₄ at 100°
M. Hložek



ca

7

Identification limit in the polarographic method
Vladimír Majer (Tech. Univ., Prague, Czech) *Chem
Listy* 58, 624 (1954). When the polarographic method is
applied to small samples (0.005 ml) the results may be in-
fluenced by the small surface of the reference electrode,
small vol. of the sample, and composition of the walls of the con-
tainer. Abs. limits of LOD may be determined by the polaro-
graphic method. M. Hudlický

1957

~~VIADIMIR, M.~~
MAJER, Vladimir

YUGO . VIADIMIR, M.

Garnet from the HASKOVICA stream, Eastern Serbia,
Vladimir Majer (Mineralog. Inst., Zagreb, Yugoslavia),
Geol. Jahrb., 870-2(1951-53)(Pub. 1954)(German sum-
mary). -- Yellow-green garnet from limestone near the con-
tact with andesite contained SiO₂ 24.91, Al₂O₃ 0.53, FeO
30.40, MgO 0.53, CaO 23.20, H₂O 0.19, sum 99.97%. Sp.
nr. is 3.712. Michael Fleischer

MAJER, J.

Czechoslovakia CA: W040130

Polareografické rozkry.

Prague: Tech.-vedeckého vydavatelství. 1959. 196 pp. kcs. 100.

Reviewed in Mem. Listy 10, 9:2-2 (1963).

24(2,4)

PHASE I BOOK EXPLOITATION

CZECH/2433

International Polarographic Congress. 1st, Prague, 1951

Sborník I. Mezinárodního polarografického sjezdu. Díl 3: Hlavní referaty přednesené na sjezdu. Proceedings...Vol 3: Reviews Read at the Congress. Praha, Přírodovědecké vyd-ví [1952] 774 p. 2,000 copies printed.

Resp. Ed.: Jiří Koryta, Doctor; Chief Ed. of Publishing House: Milan Skalník, Doctor; Tech. Ed.: Oldřich Dunka.

PURPOSE: The book is intended for chemists, chemical engineers, and physicists.

COVERAGE: The book is a collection of reviews and original papers read at the International Polarographic Congress held in Prague in 1951. Uses of polarography in organic and inorganic analysis, biochemistry, medicine, and industrial chemistry are discussed. In this section, Reviews Read at the Congress, Russian and either German or English translations of each review are presented. In the section, Original Papers Read at the Congress, only those translations in Russian, German, and English which

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Proceedings (Cont.)

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have not been published in Volume I are presented. The following scientists participated in the opening of the Congress: Professor Wiltor Kemula, Dean of the Faculty of Sciences, Warsaw; Doctor Jaromir Dolansky, Minister of Planning; Professor Jaroslav Herovsky, Chairmen of the Congress; and Professor Jaroslav Fukatko, Chairman of the Center for Scientific Research and Technical Development. References follow each paper.

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AVAILABLE: Library of Congress

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11-23-59

MAYER, Vladimir

Rhyolite (quartz porphyry) of the Franca Range and
albite-rhyolite (quartz keratophyre) from Sinjakovo in the
central Bosnian ore region. Ivan Jurković and Vladimir
Mayer (Univ. Zagreb, Yugoslavia). *Vesnik za geol.
geofiz. istraž. Srbija* 11, 207-22 (in German, 225-33)
(1954). Petrographic data are given with chem. analyses
of 3 rocks. Michael Fleischer

MAGN, V.; JUREVIC, I.

Diorites of Bijela Gromila south of Travnik in the middle Bosnian mountains. p. 129.

GEOLOSKI VJESNIK. (Zavod za geoloska istrazivanja Hrvatske i Hrvatsko geolosko drustvo) Zagreb, Yugoslavia. Vol. 11, 1957 (published 1958)

Monthly list of East European Accessions (LAI) LC, Vol. 8, no. 9, Aug. 1959

Uncl.

MAJER, V.

Report on the finding of new minerals in the so-called Serpentine
Zone near Beslinac, Croatia. Bul sc Jug 5 no.2:42 'Mr '60. (EEAI 9:8)

1. Geologisches und Mineralogisches Institut der Naturwissenschaftlichen
Fakultat, Skopje.
(Croatia--Minerals)

JUN 25 1963

PHASE I BOOK EXPLOITATION Z/6221

Majer, Vladimír, Docent, Engineer, Doctor.

Základy jaderné chemie (Principles of Nuclear Chemistry). Prague, SNTL, 1961. 607 p. Errata slip inserted. 2500 copies printed.

Collaborators: Ladislav Drška, Engineer, Department of Nuclear Physics (FTJF) of the Technical University of Prague (ČVUT); Bohumír Chutný, Engineer, Doctor, Vladimír Kačena, Doctor of Natural Sciences, and Jaromír Malý, Engineer, all of the Institute of Nuclear Research (ÚJV), Czechoslovak Academy of Sciences (ČSAV); and Adolf Zeman, Doctor of Natural Sciences, FTJF, ČVUT.

Reviewers: Jiří Teplý, Engineer, Candidate of Sciences, ÚJV, ČSAV, and Čestmír Jech, Doctor of Natural Sciences, Candidate of Sciences, of the Institute of Physical Chemistry, ČSAV; Chief Ed. for Chemical Literature: Adolf Balada, Doctor of Natural Sciences; Resp. Ed.: Vladimír Spáčil, Engineer; Tech. Ed.: Ludvík Charvát.

Card 1/1

Principles of Nuclear Chemistry (Cont.)

Z/6221

PURPOSE: This textbook is intended for students in schools of higher education, as well as for research and industrial personnel concerned with the peaceful uses of atomic energy and radioactive isotopes.

COVERAGE: The textbook deals with the principles of nuclear chemistry. Elementary concepts of the structure of matter and atoms and of the origin and development of nuclear chemistry and radiochemistry are reviewed in the foreword. The main text is devoted to nuclear reactions, natural and artificial radioactivity, nuclear fission, and the chemistry of 1) nascent atoms, 2) interaction of nuclear radiation with matter, 3) radioactive elements and isotopes, and 4) radioactive tracers. Working methods and techniques, preparation of natural and artificial radioactive compounds and stable isotopes, preparation of tagged compounds, and methods of separation, concentration, and isolation of radioactive compounds and isotopes are described in detail. Uses of nuclear chemistry in analytical chemistry and technology, principles of nuclear chemical

Card 2/B

Principles of Nuclear Chemistry (Cont.)

Z/6221

technology, and principles of thermonuclear processes are reviewed. The following are some of the personalities mentioned: J. Kaspar, Professor, Doctor, Corresponding Member, ČSAV; J. Cabicar, Doctor, Candidate of Sciences, J. Růžička, A. Gosman, Z. Spurny, Candidate of Sciences, and M. Podest, Engineer, all of FTJF, ČVUT; F. Behounek, Academician; J. Klumpar, Doctor, ČSAV; and M. Majerova, Doctor, wife of the principal author of this text. There are 1076 references, Czech and non-Czech.

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MAJER, Vladimir; JURKOVIC, Ivan, dr. inz.

A note on the finding of chromium spinel at Celinac, Bosnia.
Geol vjes Hrv 15 no.2:337-339 '61 [publ. '63].

1. Institut fur Mineralogie, Petrologie and Erzlagerstätten,
Technologische Fakultät, Zagreb, Pierotijeva **6.b.**
2. Clan Urednickog odbora i referent, "Geoloski vjesnik" (for
Jurkovic.

MAJER, Vladimir

Albite granite in the conglomerates of the diabase-hornstone formation near Prisoje, Bosnia. Geol vjes Hrv 15 no.2:365-368 [publ. '63].

1. Zavod za mineralogiju, petrologiju i rudna lezista, Tehnoloski fakultet, Zagreb, Pierotijeva ul. b.b.

MAJER, V1.

Sixty-fifth birthday of Academician Frantisek Benounek. Chem listy
57 no.10:1103-1104 0 '63.

MAJER, Wacław

Short wave therapy of inflammatory uterine bleeding. Polski tygod.
lek. 9 no.49:1684-1686 6 Dec 54.

1. Z oddziału ginek. Szpitala Miejskiego nr 1 w Wałbrzychu; ordyn.
dr W.Majer.

(MENORRHAGIA AND METRORRHAGIA, therapy,
short wave ther. of metrorrhagia)
(DIATHERMY, in various diseases,
short wave ther. of metrorrhagia)

POIAND / Farm Animals. Honey Bee.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40554.

Author : Majeranowski Ludwik.

Inst : Not given.

Title : Meadows as Foraging Ground for Bees.

Orig Pub: Pszczelarstwo, 1957, 8, 235-238.

Abstract: No abstract.

Card 1/1

67

MAJERCAK, Fabian

We are increasing the qualification of workers. Since
doprava 12 no.1:3 Ja '64.

MAJERČIAK, Pavol

✓ The addition of sunflower seed oil-cakes and of sunflower plant rejects to hog fodder. Pavol Majerčiak. *Pol'nohospodárstvo* 3, 180-71(1958) (Russian and German summaries).—Three groups of shoats were employed. Animals of the control group (Group I) received a basic ration which consisted of potatoes, barley, corn, oats, rye, dried blood, protein mixture, dry clover, and mineral additives. Animals of group II received in addn. 0.15-0.50 kg./head/day of sunflower rejects, and animals of Group III received in addn. to the basic diet similar amts. of sunflower seed oil-cake material. Exptl. feedings extended over 174 days. The av. daily increase in the wt. of shoats of Group I was 0.475 kg., of group II 0.522 kg., and of Group III 0.537 kg. To bring about a wt. gain of 1 kg. in the animals of Group III 10.6% less of fodder was required than for the animals of Group II. This was thought to be due to the greater fat or oil content of the oil-cake additives and to their favorable effect on the metabolic processes, especially on protein metabolism. The backs of the pigs of Group II accumulated 0.16% less fat than those of Group III. In all three groups more of the accumulated fat was distributed among their general tissues than was stored on their backs. The total slaughter-productivity of Group III exceeded that of Group II by 2.9%. M. recommends that from the start the feeding rations of young pigs be supplemented sufficiently with suitable oils and fats. Neither of the additives used as supplements to the basic ration in the exptl. feedings produced any unfavorable effects on either the taste or flavor of the resulting pork. — B. S. Levint

CZECHOSLOVAKIA / Farm Animals. Swine

Q-4

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12137

Author : Landau Ladislav, Majerciak Pavol

Inst :

Title : The Effect of the Regular "Fast" of Short Duration upon the Increase in Weight and Utilization of Feeds in Swine during Their Fattening (Vliyaniye regul'yarnogo kratkovremennogo "posta" na prives i ispol'zovaniye kormov u sviney vo vremya otkorma)

Orig Pub: Pol'nohospodarstvo, 1957, 4, No 2, 209-249

Abstract: Tests were carried out on 3 groups of young pigs. The first group (control) was fed, on Sundays, three times, the second one - once, in the morning, and the third one was not fed during the whole day. After 163 days of fattening, the following results were reached: the average live weight was 131.1,

Card 1/2

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CZECHOSLOVAKIA / Farm Animals. Swine

Q-4

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12137

Abstract: 122.84 and 121.9 kg. respectively; the average daily increase in weight - 658, 608 and 602 g.; the consumption of digestible protein per 1 kg. of weight increase - 0.40, 0.40 and 0.41 kg., and that of starch units - 3.01, 2.94 and 3.05; the weight of the carcass was 83.2, 82.2 and 81.6%. Fasting on Sundays, for not more than 18 hours, with the exclusion of the day and evening feeds from the feeding schedule, is considered admissible, while fasting for 24 hours is not allowable.

Card 2/2

CZECHOSLOVAKIA / Farm Animals. Swine

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21487

Author : Majerciak Pavol

Inst :

Title : Let Us Make the Ways of Raising Young Pigs Approach
Natural Summer Conditions (Priblizim vospitaniye
porosyat k prirodnyam usloviyam letnego vremeni)

Orig Pub: Nas chov, 1957, No 11, 303-305

Abstract: The first group of sows together with young pigs from the summer litter (March-August), and the 2nd group of the winter litter (September-February) were kept in hog-stal's and were not allowed to go out; the 3rd group (summer litters) and the 4th group (winter litters) were permitted to pasture and were let out onto appropriate ground in winter to root about with their snouts. The average weight of one

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37

MAYYERCHIK, I. [Majerczyk, I.] (Varshava)

Separatrices of plane dynamic systems. Mat. sbor. 59 (dop.):53-66
'62. (MIRA 16:c)

(Topology)

MAJERCZYK, Joanna

"An interesting cube" by Aniela Ehrenfeucht. Reviewed by
Joanna Majerczyk. Rocz wiad matem 6 no.2:287-288 '63.

MAJEREK-STARACHOWICZ, Jadwiga.

Otogenous brain abscesses. Otolar. polska 9 no.3:205-213 1955.

1. Z Kliniki Otolaryngologicznej A.M. w Krakowie. Kierownik:
prof. dr. J.Miodonski. Otolar. polska 9 no.3:205-213 1955.

(BRAIN, abscess,
otogenous)

(ABSCESS,
brain, otogenous)

(EAR, diseases,
causing brain abscess)

PIALA, Jaroslav, MDr. (Če.); Technická spolupráce: MAFIA, Praha

*our experience with the blood preserved with A. ... and ...
Vnitřní bez. ...*

1. Ústav hematologie a krevní transfuze v Praze, vedl. prof.
MDr. Jaroslav Boreš, DrSc., člen korespondent Československé
akademie věd.

MAJERNIK, J.

TAKAC, M.

2

Czechoslovakia

Internal/~~Medicine~~/Clinic, Medical Faculty, Safarik University
(Z internej kliniky Lek. fak. Safarikovej Univerzity v Kosic-
ciach), Kosice; Director: F. POR, MD.

Brno, Vnitřni lékařství, No 10, Oct 62, pp 1105-1109.

"Ballistocardiogram in Complete Atrioventricular Block."

Co-authors:

MAJERNIK, J., MD, Director, Deptment of Internal Medicine
~~OUNZ (Z Interneho oddelenia OUNZ Humenne)~~; ROZLOZNIK, J.,
Department of Internal Medicine OUNZ Humenne.

(3)

MAJERNIK, O.

MAJERNIK, O. The root-parasite fungus Roesleria pallida (Pers ex Fr.) Sacc. on the grapevine in Slovakia. p. 558.

Vol. 11, No. 9, 1956.

BIOLOGIA

SCIENCE

Bratislava, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

CZECHOSLOVAKIA/General Division. History. Classics. Personnel.

A-2

Abs Jour: Ref. Zhur. Biologia, No 4, 1958, 14176

Author : Majernik O.

Inst :

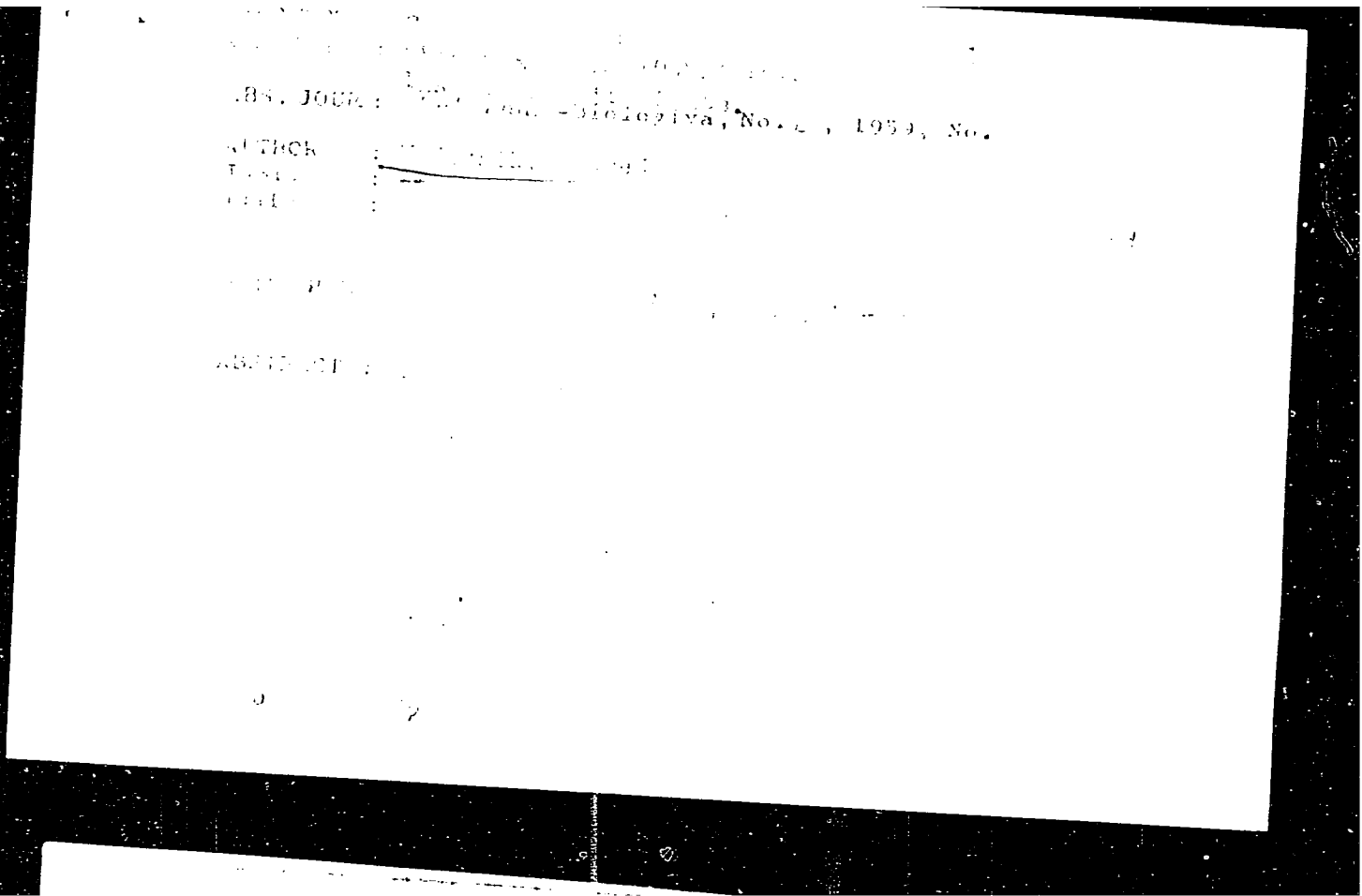
Title : To the Seventieth Year of Professor of Phytopathology, Engineer
E. Baudys

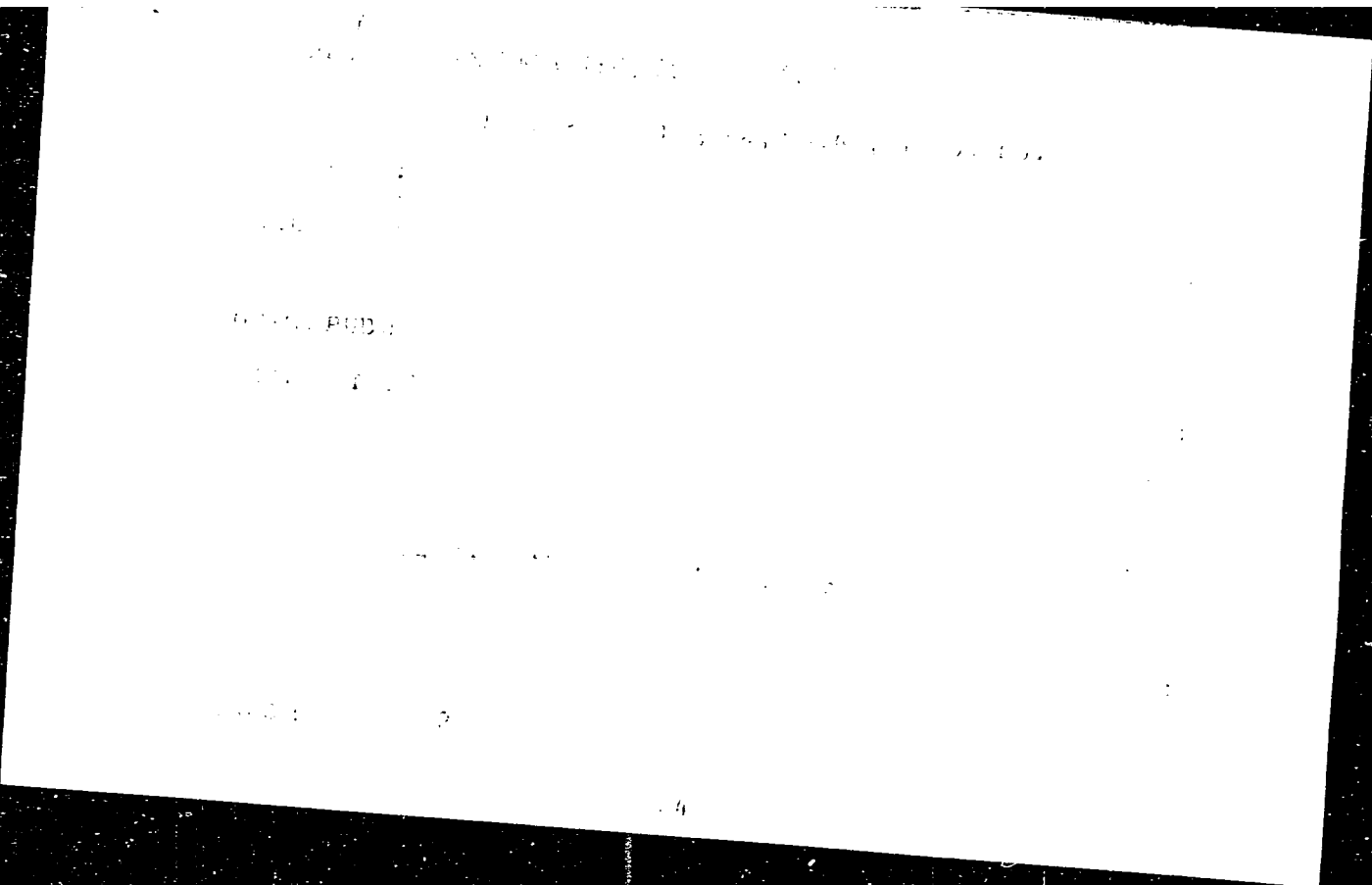
Orig Pub: Biologia, 1956, 11, No 12, 762.

Abstract: No abstract.

Card : 1/1

-36-





1977, C.

"Contribution to the History of Geophis ruficeps (L.)"

p. 69 (Biologické Práce, Vol. 3, no. 1, 1977, Bratislava, Czechoslovakia.)

Monthly Index of East European Journals (TEJ) 13, Vol. 1, no. 1, June 1977.

MAJERNIK, O.

Notes on agricultural research in Yugoslavia.

P. 387, (Biologia) Vol. 12, no. 5, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

CZECHOSLOVAKIA / Plant Diseases. Cultivated Plants. O

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58906.

Author : Majernik, O.; Foltyn, O.

Inst : Not given.

Title : The Effect of Certain Climatic Factors on the
Development of Grapevine Peronosporos.

Orig Pub: Biologia, 1957, 12, No 6, 421-432.

Abstract: The study of the biology of *Plasmopara viticola* in the environs of Bratislava and other regions of Czechoslovakia indicated that the development of the disease in suitable temperature and humidity conditions takes place not before the third incubation period of the fungus development. The low soil humidity (less than 20%) reduces the infection on account of the reduced turgor of the leaves. The infection * rain is characterized
*during

Card 1/3

15

CZECHOSLOVAKIA / Plant Diseases. Cultivated Plants. O

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58906.

Abstract: by the appearance of mildew spots along the leaf edges where raindrops are retained more often, whereas during the infection at dew time spots develop principally along the leaf veins. The conducted calculations indicated that, in the summer period, the infection at dew time is greater than during rainfall. Biometric investigations established that the sporangia attain their maximum length at 100% of relative atmospheric humidity, whereas a more intensive ramification of the sporangia and their greatest number are formed at the relative atmospheric humidity of 90%. The measurement of the sporangia in 1954-1955 indicated a considerably greater length than in 1897, according to the data submitted by Bubak. Since that time, the destructiveness of the disease

Card 2/3

CZECHOSLOVAKIA / Plant Diseases. Cultivated Plants.

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58906.

Abstract: also considerably increased. This is explained by the higher adaptability of the fungus to local conditions. The task was fulfilled in the laboratory for the protection of plants of the Slovak Academy of Sciences. -- P. M. Shterenberg.

Card 3/3

16

WALSH, J.

"Report of the Commission on the Assassination of President John F. Kennedy
gentle scolding" Washington Post, 11/11/63

1. 11/11/63, 11/11/63, 11/11/63, 11/11/63, 11/11/63

Monthly Index of the Assassination of President John F. Kennedy, 11/11/63
September 1978

1973, . . .
"Present state of . . ."
1. 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, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Monthly Index of . . .
September 1973

MAJROUK, O.; STANOVA, M

"Effect of temperature on some mushrooms with regard to the preference feeding
of spruce trees (Prunus armeniaca L.)"

BIOLOGIA, Bratislava, Czechoslovakia, Vol. 14, no. 1, 1956

Monthly list of East Europe Accessions (EEAI), LC, 1. 1, 1956, p. 50
Unclas

MAJERNIK, O.

Problems concerning the resistance of plants against diseases and pests in the German Democratic Republic. p. 307

BIOLOGIA. (Slovenska akademia vied) Bratislava, Czechoslovakia, Vol. 14, no. 4, 1959

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

MAJERNIK, Ondrej; LACOK, Pavol; STANOVA, Maria

Investigation of the toxic dependence of certain agents in relation to the dieback disease of apricots (*Prunus armeniaca* L.). *Biologia* 15 no.2:32-52 '60. (E&A 9:5)

1. Biologicky ustav Slovenskej akademie vied, Oddelenie fyziologie rastlin, Bratislava.

(APRICOT)

MAJERNIK, Ondrej

Some interesting novelties in Soviet physiology. Biologia 15 no.6:
473-474 '60. (EEAI 9:10)
(RUSSIA--PLANTS)

MAJERNIK, Ondrej

Problems concerning studies of plant immunity in the U.S.S.R. *Biologia*
15 no.9: 706-708 '60. (EEAI 10:4)

1. Biologicky ustav Slovenskej akademie vied, Oddelenie fyziologie
rastlin, Bratislava.
(PLANTS)

MAJERNIK, Ondrej

A rare anniversary in the scientific life of Eastern Germany.
Biologia 15 no.10:795-796 '60. (ZEAI 10:5)

(GERMANY, EASTERN—BOTANY)

MAJERNIK, Ondrej

Effect of artificially induced infection and injuries on the transpiration of the apricot Prunus armeniaca L. *Biologia* 15 no.11:801-809 (60. (EEAI 10:5)

1. Biologicky ustav Slovenskej akademie vied, Oddelenie fyziologie rastlin. Bratislava.
(APRICOT)

MAJERNIK, Ondrej

Periodicity of the growth of the apricot tree in relation to its
premature dying. Biologia 16 no.2:110-121 '61. (EEAI 10:8)

1. Biologicky ustav Slovenskej akademie vied, Oddelenie fyziologie
rastlin, Bratislava.
(APRICOT) (GROWTH(PLANTS))

MAJERNIK, Ondrej

In commemoration of the 75th birthday of professor Edvard Baudys.
Biologia 16 no.5: 388-389 '61.

(BAUDYS, EDVARD) (BOTANY)

MAJERNIK, Ondrej, inz., C.Sc.; NIZNANSKY, Augustin, prom. mat.

Problem of metabolism in an injured apricot. Biologia 16 no.6:445-458
'61.

(Apricot)

MAJERNIK, Ondrej

Problems of scientific research of plant physiology in Austria.
Biologia 16 no.9:704-705 '61.

(Botany)

MAJERNIK, Ondrej

A new trend in physiological research in Italy. *Biologia* 17 no.3:
234-236 '62.

(PHYSIOLOGY)

CZECHOSLOVAKIA

Ondrej MAJERNIK and Friedrich FILL, Department of Plant Physiology,
Biological Institute of the Slovak Academy of Sciences (Oddelenie
fyziológie rastlin, Biologický ústav Slovenskej akadémie vied),
Bratislava.

"Foliar Withering and Deaths of Arbores with Regard to Metabolic
Changes."

Bratislava, Biologia, Vol. 10, No. 1, 1965, pp. 5-14.

Abstract [German summary modified]: Determination of saccharose,
glucose and fructose, diacid tartaric acid malic and citric acids;
and free ammonia in the regions where the lesion appears and in distal
parts of the branches, comparing with healthy controls at various
times of year. There was a decrease in fluids and glycolides, with
increase in ammonia, in the primary lesion area, while glycolides
accumulated in distal regions. A 'critical period' following the
vegetative cycle would determine death or else its deterioration came
at same time. Six diagrams: 1. Czech, 2. Slovak, 3. Western-language
references. 141

CZECHOSLOVAKIA

MAJERNIK, Onrej, and JANITOR, Anton; Department of Plant Pathophysiology, Institute of Botany of the Slovak Academy of Sciences, Czechoslovak Academy of Sciences, Bratislava.

"Effect of Toxic Substances on Plant Tissues, as Determined with the Aid of Radioactive Phosphorus P³²."

Bratislava, Biologia, Vol 18, No 7, 1963; pp 489-497.

Abstract [Russian Article, English summary modified]: Branch sections of *Prunus armeniaca* L and *Solanum lycopersicum* dipped into 0.14 M or 0.01 M NH₄OH or 0.01 M fusaric acid with or without 10 ml. aqueous solution of P³²-orthophosphoric acid. Radioactivity appeared in leaves within 2 hours, especially high in the apricot branches; at the 20th hour the activity was much higher in both experimental sets than in controls; at the 48th hour the apricot branchlets were still absorbing P³². Main mode of toxic action was ascribed to interference with closing of stomata. Two drawings, 5 tables; 1 Soviet, 4 Czech (whereof 2 unpublished) and 8 Western references.

1/1

L 60306-65 EWA(b)-2/EWA(j)/EWT(:) JK

ACCESSION NR: AP5021086

CZ/0049/64/000/012/0904/0911

AUTHOR: Janitor, Anton (Janitor, Anton)(Engineer)(Bratislava); Majernik, Ondrej
(Majernik, Ondrej)(Engineer, Candidate of sciences)(Bratislava)

TITLE: Contribution to the adaptability of some phytopathogenic fungi

SOURCE: Biologia, no. 12, 1964, 904-911

TOPIC TAGS: fungi, plant parasite, plant growth, plant ecology

Abstract: Adaptation ability of fungi *Monilia laxa* and *Trichoderma viride* was investigated. The fungi were grown in vitro in solutions of saccharides; tannin, methylene blue were used as antagonistic agents, and the growth was evaluated planimetrically by the intensity of the mycellium growth. When enough food is available the antagonistic agents do not interfere with the growth. When insufficient source of energy in the medium was used, the inhibitive action of the antagonistic agents was very strong. It is therefore possible that inhibiting agents may be used to suppress growth of parasitic fungi, and reduce their pathogenic effects. Orig. art. has 10 figures.

Card 1/2

L. 60306-65

ACCESSION NR: AP5021086

ASSOCIATION: Oddelenie patologickej fyziologie BU SAV, Bratislava (Department of Pathological Physiology, BU SAV)

SUBMITTED: 15 May 64

ENCL: 00

SUB CODE: 18

NO REF SOV: 003

OTHER: 007

JPRS

Card 2/2

CANTOR, Aron; M.D. Ph.D. 1944

Contribution to the adaptive capability of various populations of
fungi. Biologia (Ratisl.) 19 no. 190-191 1944

1. Cdk. male. (Cdk. 1944) (Cdk. 1944) (Cdk. 1944) (Cdk. 1944) (Cdk. 1944)
Bret slava.

L 34538-66 T JK

SOURCE CODE: Cz/0049/66/000/002/0099/0104

ACC NR: AP6024715

AUTHOR: Sempio, Cesare--Sempio, Ch. (Perugia); Majernik, Ondrej--Mayernik, O. 4/1
(Bratislava); Raggi, Vittorio (Perugia) C

ORG: Sempio; Raggi Institute of Botanical Pathology, University of Perugia,
Perugia (Istituto di Patologia Vegetale di Universita Perugia); Majernik Botanical
Institute, Slovak Academy of Sciences, Bratislava

TITLE: Water loss and stomatal behavior of bean (*Phaseolus vilgaris* L.) infected
by *Uromyces appendiculatus* (pers.) link

SOURCE: *Biologia*, no. 2, 1966, 99-104

TOPIC TAGS: fungus, plant disease, plant metabolism, plant respiration, transpira-
tion, plant parasite

ABSTRACT: The total transpiration rate of beans infected by the fungus *Uromyces
appendiculatus* was determined by the method of Ivanov, Silina and Tselniker (1950).
The state of stomata was simultaneously investigated during the
pathogenesis of the rust disease. When compared to controls, the
respiration rate of the infected beans was reduced at the begin-
ning of the infection; at later stages the leaves transpired more
than the healthy ones. The break down of the photo- and hydro-
reactions caused by the parasite was found by observation of stoma-

Card 1/2

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L 34538-66

ACC NR: AP6024715

ta. The stomatal opening of diseased leaves is limited by temperature. In diseased leaves the width of the aperture is not related to the intensity of transpiration. Orig. art. has: 5 figures.
[Orig. art. in Eng.] [JPRS: 35,814]

SUB CODE: 06 / SUBM DATE: 16Sep65 / SOV REF: 003 / OTH REF: 008

Card 2/2 *dy*

CZECHOSLOVAKIA

MAJERNIK, Ondrej; Department of Pathological Physiology, Botanical Institute, Slovak Academy of Sciences (Oddelenie Patologickej fyziologie Botanického Ustavu Slovenskej Akademie Vied), Bratislava.

"Indicators of Symptoms of Successful Growing or Premature Dying-Back of Apricot Trees in Slovakia."

Bratislava, Biologia, Vol 21, No 8, 1966, pp 595 - 601

Abstract [Author's English summary modified]: Adaptability of plum trees to their environment was investigated. The ability to adapt was evaluated on the basis of hydrogen-ion concentration, and other factors. When the pH of the roots of a given species is different from that of the soil substrate, such a taxon of the plum is unsuitable for the given region. The experiments indicated that apricots can be grown successfully throughout Slovakia. 2 Figures, 2 Tables, 4 Western, 8 Czech, 2 Russian, 1 East German reference. (Manuscript received 26 Oct 65).

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