

BLAYEVA, F.K., dotsent; FOKUTS, L.S.

Dispensary service for glaucoma patients in the Kabardino-Balkar  
A.S.S.R. Sbor. nauch. trud. SOGMI no.14:61-64 '63.  
(MIRA 18:9)

1. Glaznoye otdeleniye Respublikanskoy bol'nitsy Kabardino-  
Balkarakoy ASSSR, Nal'chik.

BLAYVAS, L., inzh; SEYDER, E., inzh; TUSHCHENKO, V., inzh.

Extension indicator of the radar station "Don." Mer. flot 21  
no. 6:18-19 Je '61. (MIRA 14:6)

(Radar in navigation)

BLAYVAS, L., inzh.; DAVYDOV, P., inzh.

Modernizing the marine radar station "Don." Mor. flot 22  
no.5:10-13 My '62. (MIRA 15:5)  
(Radar in navigation)

USKOV, A.A., red.; RZHEVSKIY, V.V., prof., doktor tekhn. nauk, red.; SOKOLOVSKIY, M.M., red.; MIKHAYLENKO, I.G., red.; BUGOSLAVSKIY, Yu.K., red.; SOBITSKIY, V.V., red.; VINITSKIY, K.Ye., red.; STAKHEVICH, Ye.B., red.; KENIS, S.I., red.; MERZON, A.S., red.; SITNIKOV, V.P., red.; SOPESHKO, N.F., red.; BLAYVAS, M.S., red.

[Studies of the All-Union Scientific and Technical Conference on improving the equipment and technology of mining minerals by the open pit method] Materialy Vsesoiuznogo nauchno-tekhnicheskogo soveshchaniya po sovershenstvovaniyu tekhniki i tekhnologii razrabotki poleznykh iskopaemykh otkrytym sposobom. Moskva, Nedra, 1965. 285 p. (MIRA 18:6)

1. Vsesoyuznoye nauchno-tekhnicheskoye soveshchaniye po sovershenstvovaniyu tekhniki i tekhnologii razrabotki poleznykh iskopaemykh otkrytym sposobom, Cherenkhovo, 1964. 2. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Rzhhevskiy). 3. Glavnyy spetsialist Gosudarstvennogo komiteta tyazhalogo, energeticheskogo i transportnogo mashinostroeniya pri Gosplane SSSR (for Bugoslavskiy).

BLAZ, J. (Katowice)

Existence and boundedness of solutions of a system of  
differential equations with delayed argument. Rocznik  
matematyczny 8 no.1:45-53 '63.

BLAZ, J.; ZIMA, K.

A differential inequality with lag. Annales Pol math 14 no.3:311-319 '64.

BLAZ, J. (Katowice)

On the existence of a solution of a differential equation with advanced argument. Annales Pol math 40 no. 1:1-8 '64.

On the existence of the unicity of the solution of a differential equation with retarded argument. Ibid.:9-14

BLAZED, M.

Emma Noether's theorems. p. 163

MATEMATICKO-FYZIKALNY CASOPIS. (Slovenska akademia vied)  
Bratislava Czechoslovakia

Vol. 8, no. 3, 1958

Monthly list of East European Accessions (KEAI) IC. VOL. 9, no. 1 January 1960

Uncl.



BLAZED, S.

On the Metallography of the Weld of Blackheart Malleable Cast Iron, S. Blazed. (Rutnicko Listy, 1950, vol. 5, Sept., pp. 374-375). (In Czech). The author investigated microscopically and by hardness measurements welds of blackheart malleable iron. He found that cracks in such welds are caused by diffusion of carbon from the iron of the part into the weld and the rapid cooling. This gives the weld a martensitic structure.

Immediate source clipping

BLAZEDK, S.

Formation of cracks in resistance flash welding. (Conclusion) p. 374,  
ZVARANIE (Ministerstvo hutneho prumyslu a rudnych bani a Ministerstvo  
strojarstvo) Bratislava, Vol. 3, No. 12, Dec. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

Blazej, Anton,

2  
✓ Determination and evaluation of salts in natural tanning materials, sytans, and tanning liquors. V. Kralicka, Jr., and Anton Blazej (Tech. Univ. Slov. Univ., Bratislava, Czech.), *Chem. Zvesti* 9, 437-43 (1955); (German summary, 433-4); *cl. C.A.* 47, 10257g. — Salts were detd. in 18 tanning materials by the Chesire-Brown-Holmes method (*C.A.* 36, 4303) with potentiometric titration to pH 6.0. Detns. made after use of liquors for tanning showed a decreased salt content in some, but not all cases of com. sytans. The actual decrease was greater than that detd. analytically because some salts were carried into the liquor by the pek. Salts and acids in natural tanning materials, sytans, and tanning liquors. *Ibid. Kolloid* 5, 238-8 (1955). — To avoid the error caused by salts carried into tan liquors by pek, salt detns. were made in solns. of natural tannins and

sytans before and after detanning with hide powder as in the filter-bell method of analysis. The salts removed from certain sytans during tanning are supposed to be the neutralized acid radicals of the sytan; therefore not all salts removed by cation exchangers can be classed as nontannins. The Chesire-Brown-Holmes method is suitable for detg. salts in vegetable tanning exts. but not in sytans containing tannin.  
L. Masucci

SM/LEJ/HN/ON

✓ Use of eggs for growing vegetable toward and  
toward leathers. Various features and  
features. Obvious features of the egg  
and the egg are a...  
and the egg are a...  
and the egg are a...

BLAZEJ, A.

The importance of extraction materials in determining the quality and method for tanning sole leather. p.36 (Kozarstvi, Vol. 7, no. 2 Feb. 1957) Praha

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

4

<sup>27</sup>  
The determination and fractionation of sulfates in water solutions of chrome alum. Anton Blazej and Alena Mrčena (Tech. Univ. Slovakia, Bratislava, Czech.). *Koľatník* 7, 324-8(1967).—The detn. of total, cold- and warm-titrated, and also free  $\text{SO}_4^{--}$  ions was studied. Total  $\text{SO}_4^{--}$  was detd. gravimetrically with benzidine dichloride. Cold- and warm-titrations were made with phenolphthalein. The cold titration detn. free  $\text{H}_2\text{SO}_4$ ,  $\text{SO}_4^{--}$  bound electrovalently to cationic Cr complexes, and a part of coordinatively bound sulfate. During the potentiometric titration with Sb or glass electrodes 4 points of inflection appear at pH 3.3 and 8.5; the 1st gives free  $\text{H}_2\text{SO}_4$ . Solns. with pH under 2.8 always, solns. with pH 2.8-3.3 sometimes, and over pH 3.3 never contain free  $\text{H}_2\text{SO}_4$ . The titration of a boiling soln. gives free and complex bound  $\text{SO}_4$  (a detn. of basicity). Total  $\text{SO}_4$  is detd. gravimetrically by the Hints and Weber method (*Z. anal. Chem.* 45, 31(1906)). L. Masner.

*Ja*

BLAZEJ, A.; MARKUSOVSKA, E.

"Control of the scouring and deliming of raw hides; International Fair of the Leather Industry in Paris."

p. 357; 360 (Kozarstvi) Vol. 7, no. 12, Dec. 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

COUNTRY	:Czechoslovakia	H-24
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 16 1959, No.	58610
AUTHOR	:Blazej, A.	
INST.	:Not given	
TITLE	:Investigation of the Chemical Composition of Bark and Wood	
ORIG. PUB.	:Veda a Vyzk v Prumyslu Kozedeln, 3, 119-126 (1958)	
ABSTRACT	:The author has developed a new method for the analysis of the chemical composition of wood and bark. The method is based on the successive extraction of the samples with benzene, C <sub>2</sub> H <sub>5</sub> OH, water, and 0.05 N HCl. The residue is analyzed for cellulose, lignin, and pentosans; the hexosans content is determined by difference. An analysis of the chemical composition of spruce bark is given. The above method is recommended for application to the analysis of wood. D. Gorin	
CARD:	1/1	



COUNTRY : CZECHOSLOVAKIA II  
CATEGORY : Chemical Technology. Chemical Products and  
Their Uses. Part 4. Leather. Bone. Gelatin.\*  
RES. JOUR. : RZKhim., No. 1 1960; No. 3, 23  
AUTHOR : Blazek, A.; Hrabusovska, M.  
INST. :  
TITLE : Way for Accelerating Chroma Determination in  
Solutions of Chrome Salts  
ORIG. PUB. : Voda a vyzk. v prumyslu kozedeln., 1958, 5,  
123-132  
ABSTRACT : The possibilities of simplifying the laborious  
method of the quantitative determination of  
chrome in solutions of chrome salts, recommen-  
ded by the Czechoslovak State Standard, were  
studied. The advantages and deficiencies of  
particular analytical methods were critically  
examined. It was proposed to replace hydroxyl  
\*Binding Agents. Industrial & Domestic  
CARD: 1/2

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their Applications: Leather, Fur, Gelatin. Tanning Materials: Industrial Proteins. H-35

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17986

Author : Blazej, A.; Markusovska, E.

Inst : Not given

Title : Complexometrical Method of Determination of Calcium in the Ashing

Orig Pub : Kozarstvi, 1958, 8, No 4, 117-120

Abstract : No abstract given

Card 1/1

BLAZEJ, A.

"Analysis and evaluation of semichrome tanned leather. II. Calculating characteristic constants." P. 335.

KOZARSTVI. (Ministerstvo spotrebniho prumyslu). Praha, Czechoslovakia, Vol. 8, No. 11, Nov. 1958.

Monthly list of East European Accessions EEAI, LC, Vol. 8, No. 8, August 1959.  
Uncla.

BLAZEK, A.

"Analysis and evaluation of semichrome tanned leather."

KOZARSTVI, Praha, Czechoslovakia, Vol. 8, No. 12, 1958.

Monthly List of East European Accessions (MEAI), LC, Vol. 8, No. 1, September 1959.

Unclassified.

BLAZHNY, Anton [Bláží, Antonín]; SHPICHKA, Miroslav [Špička, Miroslav].

Testing chrome and vegetable tanned skins (to be continued).  
Leg. prom. 18 no.5:30-34 My '58. (MIRA 11:6)

1. Technologicheskiy institut Slovakií, g. Bratislava (for Blashey).
2. Nauchno-issledovatel'skiy institut kožvenno-obuvnoy promyshlennosti, g. Otrokovitse, Chekhoslovakiya (for Shpichka).  
(Hides and skins--Testing)

BLAZHEV, Anton; SHPICHKA, Miloslav

Analysis of leather tanned by the chromo-vegetable method.  
Part 2: Calculation of the characteristic constants. Leg.prom.  
18 no.6:40-42 Ja '58. (MIRA 12:10)  
(Leather)

BLAZHEJ, ANTON [Blázeš, Antonín]; ~~ŠPÍČKA~~ ŠPÍČKA, MIROSLAV [Špička, Miroslav]

Testing chrome and vegetable-tanned skins (conclusion). Leg.prom. 18  
no.7:31-34 JI '58. (MIRA 11:9)  
(Hides and skins--Testing)

COUNTRY : CZECHOSLOVAKIA  
CATEGORY : Chemical Technology. Chemical Products and  
Their Uses. Part II. Leather. Furs. Gelatin.\*  
ABST. JOUR. : RZahis., No. 1 1960, No. 3, 29  
AUTHOR : Blasej, A.; Kladek, M.  
CITE :  
TITLE : Determination of Residual Sugars in Vegetable  
Extracts  
ORIG. PUB. : Kozarstvi, 1959, 9, No 5, 131-134  
ABSTRACT : No abstract  
  
\*Dyeing agents. Industrial Proteins  
  
CREF: 1/1



BLAZEK, A.; GEBEGAUER, L.

Examination of the crystallinity and orientation of hide proteins. Kozarstvo 13 no.4:103-107 Ap '63.

L. Katedra chemickéj technologic kose a vody, Chemická fakulta, Bratislava.

CEBECAUER, L.; BLAZEJ, A.

Examination of the crystallinity and orientation of hide proteins. Pt. 2. Kozarstvi 13 no.5:141-142 My '63.

1. Katedra chemickéj technologic kose a vody, Chemická fakulta, Bratislava.

.BLAZEJ, Anton; NATHEROVA, Lubica, prom. farm. (Odbojarov 12, Bratislava);  
BUCKOVA, Anna

Analytical evaluation of tannin containing extracts of  
crude drugs. Acta pharmac 8:63-80 '63.

1. Chair of Leather Chemical Technology, Faculty of Chemistry,  
Slovak Higher School of Technology, Bratislava (for Blazej).
2. Chair of Pharmacognosy, Faculty of Pharmaceutics, Komensky  
University, Bratislava (for Natherova and Buckova).

SVANCER, Jan; BLAZEJ, Anton

Interoperational control of liming. Pt. 1. Kozarstvi  
14 no. 3: 76-79 Mr '64.

1. Svit National Enterprise, Otrokovice Plant and  
Department of Leather Chemical Technology, Slovak  
Higher School of Technology, detached worksite  
Otrokovice.

BLAZEJ, A.; KOTASEK, Z.; RADIL, M.

Eighth Congress of the International Union of Leather  
Chemists Societies. Kozárstvi 14 no. 4:117-121 Ap '64.

1. Chair of Leather Chemical Technology, Slovak Higher of  
Technology, Bratislava (for Blazej). 2. Research Institute  
of Leather, Otrkovice (for Kotasek). 3. Research Institute  
of Leather, Gottwaldov (for Radil).

BLAZEJ, A.; MICHLIK, I.

Study of keratin immunisation. Pt. 1. Kozarstvi 14 no. 5:  
130-134 My '64.

1. Chair of Leather Chemical Technology, Faculty of Chemistry,  
Bratislava.

MICHLIK, I.; BLAZEJ, A.

A study of keratin immunization. Pt.2. Kozarstvi 14. no.11:  
333-336 N '64.

1. Chair of Leather Chemical Technology of the Faculty of Chemistry,  
Higher School of Technology, Bratislava.

BLAZEJ, A.; MICHLIK, I.

Polarographic determination of methionine in wool and hair keratins.  
Kozarstvi 15 no.2:59-63 F '65.

1. Chair of Leather Chemical Technology of the Chemical Faculty  
of the Slovak Higher School of Technology, Bratislava.



BLAZEJ, A.; CEBECAUER, L. ; BOLVANSKY, P.

Study on collagen degradation by gamma radiation Co. Pt. 2.  
Kozarstvi 13 no. 11: 323-325 N '63.

1. Katedra chemickej technologie koze, Slovenska vysoka skola technicka, Bratislava.

BLAZEJ, A.; SVANCER, J.

Study of donor power of ligands for  $Cr^{3+}$ . Pt. 2. Kozarstvi  
13 no.12:361-365 D'63.

1. Katedra chemickej technologickej koze, detasovane pracovisko Otokovice, a zavodne laboratorium kozeluzen Svit, n.p., Otokovice.

BLAZEJ, Anton, doc., ins.

Commemorating the 70th birthday of professor Vaclav Kubelka.  
Chem svesti 16 no.1/2:160-162 Ja-F '62.

BLAZEJ, D.

How metallurgic workers in the Klement Gottwald Ironworks in Vitkovice help the development of agriculture. p.308. ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava elektraren) Praha. Vol. 4, no. 5, May 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 4, No. 12, December 1955

BLAZEJ, Zdenko, inz., dr.

"Economy of building enterprises" by S. Haas, P. Stahl,  
O Stradal. Reviewed by Zdenko Blazej. Poz stavby 11  
no.5:287 '63.

BLAZEJCZYK, M.

Labor safety and hygiene in the Arka State Fisheries Enterprise in  
Gdynia. p. 5 Vol 7, No. 8, August 1955 GOSPODARKA RYBNA. WARZAWA

SOURCE: East European Accessions List (EEAL) LC, Vol 5, No. 3,  
March 1956

BLAZEJCZYK, M.

Sea fisheries in Poland. Tr. from the Polish. P 99

MORSKO RIBARSTVO. (Udruzenje morskog ribarstva Jugoslavije) Rijeka, Yugoslavia  
Vol. 11, no. 5, May 1959

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

Uncl.

BLAZEJEWSKA, Aleksandra; LEJA, Stanislaw; MATYSIAK, Tadeusz

Observations on the frequency of bumblebees (*Bombus Latr.*)  
in the red clover fields near the city of Torun. *Nauki matematyczne przyrod Torun* no.8:51-60 '61.

1. Katedra Zoologii Systematycznej, Uniwersytet im. M.Kopernika,  
Torun.



BLAZEJEWSKA, Aleksandra (Torun)

The role of insects in the transfer of plant viruses. Wszechswiat  
no.3:66-69 Mr '65.

POLAND / General and Special Zoology. Insects. General      P  
Problems.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54202.

Author : Blazejewski, Franciszek.  
Inst : NOT given.  
Title : Insect Poisons and Their Significance.

Orig Pub: Polskie pismo entomol., 1957, B, No 1, 5-29.

Abstract: This is a survey of published data on the chemical composition of poisonous substances secreted by insects, the structure of poison glands and of the outlet ducts, the means by which the insects use poisons and their biological significance, and the utilization of insect poisons in pharmacology.

Card 1/1

1

BLAZEJEWSKI, Franciszek

Systematic position of Xenoturbellida Westblad 1949. Przegl  
zoolog. 6 no.4:259-263 '62.

1. Katedra Zoologii Systematycznej, Uniwersytet Mikołaja  
Kopernika, Torun.

BLAZEJEWSKI, Franciszek

Actinulida Swedmark-Teissier 1958, a new order of Hydrozoa?  
Przełogi zoolog 6 no.4:263-266 '62.

1. Katedra Zoologii Systematycznej, Uniwersytet Mikołaja  
Kopernika, Toruń.

CZOPEK, Juliusz, doc. dr; BIAZEJEWSKI, Franciszek, dr

Minutes of the General Meeting of the Polish Zoological  
Society held in Torun September 4, 1962. Przegł zoolog  
7.no. 1: 109-112 '63.

BLAZEJEWICZ, Z.

Some burning problems of the control of materials in industrial building. p. 54. MATERIALY BUDOWLANE, Warszawa. Vol. 9, no. 96, July 1956.

SOURCE:

East European Accession List (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956.

BLAZEJEWSKI, Franciszek; MATYSIAK, Tadeusz

*Carabus hortensis* L. with an elytron anomaly. *Przeegl zoolog* 6 no.3:240  
'62.

1. Katedra Zoologii Systematycznej, Uniwersytet im. Mikolaja Kopernika  
Torun.

BLAZEJEWSKI, Zdzislaw; PRUSINSKI, Antoni; SZULC, Janina

On myo-rhythmic disorders of the face with report of 2 cases.  
Neurol. etc., polska 11 no.3:335-339 '61.

1. Z Kliniki Chorob Nerwowych AM w Lodzi Kierownik: prof. dr nauk  
med. E. Herman.  
(FACE dis.) (TREMOR case reports)



BLAZSEJOVSZKY, Sandor

Financial interests of the enterprises as well as of their management in the development of technology and innovation movement. Ujit lap 16 no.20:6-7 25 0 '64.

BLAZEJOVSKY, Vaclav

Technical development of breweries and malting plants.  
Kvasny prum 9 no.5:105-106 My '63.

1. Vyskumny ustav pivovarsky a sladarsky, Praha.

BLAZEJOVSKY, V.

New Technology Day in beer-bottling plants. p. 187.

KRIDLA VLASTI. (Svaz pro spolupraci s armadou)  
Praha, Czechoslovakia  
Vol. 5, no. 8, Aug. 1959.

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

BLAZEJOVSKY, Vaclav

New machinery and equipment at the brewing industry exhibition  
in Dortmund. Kvasny prum 10 no. 8:173-177 Ag '64.

1. Research Institute of Brewing and Malting, Prague.

BLAZEK, A.

"Present Concept of Forest Valuation", P. 640, (ZA SOCIALISTICKE ZEMEDELSTVI,  
Vol. 4, No. 6, June 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,  
Dec. 1954, Uncl.

BLAZEK, A.

"Wastepaper as Protection for Windbreaks", P. 642, (ZA SOCIALISTICKE  
ZEDELESTVI, Vol. 4, No. 6, June 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,  
Dec. 1954, Uncl.

BLAZEK, A.

"Heat Economy in Open-Hearth Furnaces."

SO: Hutnik (Metallurgical Worker), Czechoslovakia, Vol. 4, Nov. 1, Jan. 1954. (Air, AA, London, IR-775-54, 12 Apr 54 (unclassified))

CA

7

Titration in nonaqueous solutions. VI. Polarographic and potentiometric determination of some unsaturated organic compounds. O. Tomítek, A. Bláček, and Z. Roubal (Charles Univ., Prague, Czech.) *Chem. Zvesti* 4, 479-513 (1930); cf. *C.A.* 48, 8550i. — After elimination of disturbing secondary reactions, a new polarographic method for direct titration by Br<sub>2</sub> soln. in nonaq. CH<sub>2</sub>COOH was developed. To det. the end point, a combination of polarographic and potentiometric methods was used. A new chloranil reference electrode was prepd. and its behavior during the reduction-oxidation titrations in nonaq. CH<sub>2</sub>COOH was studied. By this method the following compds. were detd.: cyclohexene, dicyclopentadiene, elaidic acid, ricinoleic acid, erucic acid, styrene, limonene, camphene, terpineol, pinene, sabinene, sabinol, cinnamyl alc., castor, olive and rape oil, essential oils of citronella, rosemary, peppermint, thyme, and eucalyptus, balsam of copaliba, resins of elemi, fir, and gum guttae, and the Et ester of linolic acid. The purity and the I nos. were in agreement with the results of this method.

Jan Míčka

195



CA

17

Oxidimetric determination of morphine. A. Blažek, R. Kalvoda, and J. Zýka. *Casopis Českého Dermatologického Spolku* 62, 69-73(1950).—The method for the detn. of morphine in opium or in pharmaceutical preps. involves oxidation with excess 0.1 N  $K_2Cr_2O_7$  and back-titration with 0.1 N  $FeSO_4$ . The end point can be found visually or potentiometrically. To a sample of 0.2-0.5 g. was added 3 g. KOH in 20 ml  $H_2O$  and the mixt. was periodically shaken for 30 min. The material was filtered, the filtrate evapd. to 5 ml. cooled, and made slightly acidic with a few drops of concd. HCl or  $H_2SO_4$ . An excess amt. of  $K_2Cr_2O_7$  soln. (about 15 ml.) was added and the soln. was permitted to stand about 15 min. Then 15 ml. dil.  $H_2SO_4$  was added and the soln. titrated potentiometrically with  $FeSO_4$ . For visual titration in  $H_2PO_4$  medium diphenylamine was used as indicator. One ml. 0.1 N  $K_2Cr_2O_7$  is equiv. to 0.006261 g. morphine-HCl. In the analysis of opium tinctures, a 5-ml. sample was evapd. on a water bath to dryness and used in the above procedure. Codeine, diosmine, papaverine, narcotine, heroin, mekonine, narcotine, laudanoline, atropine, luminal, and aqua laurocerasi do not interfere. J. L. J.

181T12

BLAZEK A.

CZECHOSLOVAKIA/Chemistry - Acridine Derivatives Dec 50

"Determination of Some Pharmaceutically Used Acridine Derivatives," A. Blazek, R. Kalvoda, J. Zysa, Inst Anal Chem and Inst Phar Chem, Charles U, Prague.

"Casopis Ceskeho Lekarnictva" Vol LXIII, No 9-12, pp 138-145

Developed polarometric detn methods for these substances in pure state and in tablet form, using 0.05 mol  $K_2Cr_2O_7$  pptg soln mercury drop cathode and satd calomel anode with equal parts

181T12

CZECHOSLOVAKIA/Chemistry - Acridine Derivatives (Contd) Dec 50

of water and acetic acid buffer soln (pH 4.8). Detd Atebrin, Rivanol, and Trypaflavin in this manner. Polarographic exam of Atebrin, Trypaflavin, Proflavin, and Rivanol in pH 4.8 buffer soln provided reproducible waves for quant detn in concn of  $10^{-5}$  to  $10^{-3}$  mol in pure and in tablet form.

181T12

BLAZEK, A.

Czech

CA: 47:11078

Charles Univ., Prague

"Polarometric determination of some unsaturated organic compounds."

Sbornik Mezinarod. Polarog. Sjezdu Praze, 1st Congr. 1951, Pt. III, Proc.,  
555-61 (in Czech), 561-3 (in Russian), 563-5 (in English).

BLAZEK, A.

28(2.4)

PLASE I BOOK ENZYCLANUM CZECH/2439

International Polarographic Congress. 1st, Prague, 1951  
Sbornik I. Mezinarodniho polarografickeho sjezdu. Dil 3: Miami  
Referaty prednesene na sjezdu. Proceedings...Vol 3: Reviews  
Read at the Congress. Praha, Prirodovedcke vyd-vi (1952)  
774 p. 2,000 copies printed.

Reep. Ed.: Jiri Koryta, Doctor; Chief Ed. of Publishing House:  
Milan Skalnik, Doctor; Tech. Ed.: Oldrich Daska.  
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  
biochemistry, medicine, and industrial chemistry are discussed.  
In the 3rd section, reviews and industrial chemistry are discussed,  
either German or English translations of the Congress, Russian and  
presented. In the section, Original Papers Read at the Congress,  
only those translations in Russian, German, and English which  
have not been published in Volume I are presented. The  
following scientists participated in the opening of the  
Congress: Professor Viktor Kemula, Dean of the Faculty of  
Sciences, Warsaw; Doctor Jaroslav Dolansky, Director of the  
of Planning; Professor Jaroslav Dolansky, Chairman of the  
Congress; and Professor Jaroslav Krovatko, Chairman of  
of the Center for Scientific Research and Technical  
Development. References follow each paper.

<del>Kaloda, B., and J. Zysa. Polarometric Determination of Derivatives of Barbituric Acid with the Aid of Mercuric Salts</del>	550
<del>Blazek, A. Polarometric Determination of Some Unsaturated Organic Compounds [Russian Translation] [English Translation]</del>	555 561 563
<del>Pleticha, B. Determination of Diacetyl [Russian Translation] [German Translation]</del>	566 569 572
<del>Buchta, J. Content of Galchicine in the Development of the Meadow Saffron</del>	576
<del>Sandholcova, B. Use of Polarographs in the Paper and Cellulose Industries</del>	579
<del>Zuman, J. Polarographic Determination of Sulchydryl Substances in Fruit</del>	582
Card 9/14	

Polarographic study of the kinetics of the oxidation of titanium(III) ions by hydroxylamine A. J. Clark and J. Korsta (Polarograph. Central Inst., Prague) Chem. Abstr. 47, 25-32 (1953). — If the oxalate complex of Ti(IV) is reduced at the dropping Hg electrode in 0.2M oxalic acid in the presence of hydroxylamine, the mean limiting current,  $i$ , exceeds the mean diffusion current,  $i_d$  (proportional to the concn. of Ti(IV)), by a kinetic current which is a function of the hydroxylamine concn. The latter is produced by the electroreduction of Ti(IV) to Ti(III) which then is chemically oxidized to Ti(IV) by the hydroxylamine to be once more available for electroreduction. The chem. reaction is as follows:  $Ti^{3+} + NH_2OH \rightarrow Ti^{4+} + H_2O + NH_2$ ; the radical  $NH_2$  reacts with the excess oxalic acid. Data for the ratio of  $i/i_d$  obtained at given temps. with solns. of different hydroxylamine concns. and at different drop times are used in conjunction with the tables of Koutecký (cf. preceding abstr.) to calc. the velocity const. ( $k$ ) of the kinetic reaction. This method yields a value of  $k = 42.1 \pm 1.5$  l./mol. sec., at 25°. An almost identical value of  $k = 42.0 \pm 0.2$  l./mol. sec. is found by an entirely different method in which the anodic wave, which is due to electrooxidation of Ti(III), is observed to diminish as a function of time after the addn. of known amts. of hydroxylamine because of the chem. oxidation of Ti(III) by the latter. From the temp. dependence of  $k$ , the activation energy of the reaction is calcd. as  $E = 7.9$  kcal. O. H. M.

~~Blazek, A.~~

2954. Polarographic determination of hydroxy-  
amine. ~~Blazek (Chem List, 1952, 37 (1),  
1503-1004) and Glazna~~ is determined by  
polarographic titration in two ways: (i) with 0.1 N  
TiCl<sub>3</sub> in 0.3 M oxalic acid (10 ml) at 50° C by use of  
the dropping-mercury electrode, and (ii) with 0.1 N  
KBrO<sub>3</sub> in 2 M HCl (3 ml) containing 40 per cent.  
KBr (3 ml) at 60° to 70° C by means of the rotating  
platinum electrode. G. GLAZNA

BLAZEK, A.

Thermobalance with electromagnetic compensation of weight variations. p. 153.  
(SILIKATY, Vol. 1, No. 2, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (MEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

BLAZEK, A.

Review of the development of the production of coal and coke in the past period. p. 1301.

(TEHNIKA. Vol. 12, No. 8, 1957, Beograd, Yugoslavia)

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



BLAZEK, A.

CZECHOSLOVAKIA/Laboratory Equipment. Instruments. Their  
Theory, Construction, and Use.

F

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43139.

Author : Blazek Antonin

Inst :

Title : Electronic Thermo-Balance Outfitted for Concurrent  
Tracing of Curves of Differential Thermal Analysis  
and Analysis of Gaseous Decomposition Products.

Orig Pub: Hutnicke listy, 1957, 12, No 12, 1096-1103.

Abstract: The operation of the described instrument consists  
in an automatic compensation of the deflection of  
the balance beam by means of a stationary solenoid  
provided with an iron core, which is suspended from  
one arm of the balance beam. The solenoid is sup-  
plied with current from a photo-compensator the

Card : 1/2

27

• CZECHOSLOVAKIA/Chemical Technology - Leather, Fur, Gelatin. H-35  
Tanning Agents. Industrial Proteins.

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 83935

Author : Blazoj, A.

Inst : -

Title : The Criterion for Completeness of Tannage in Chrome  
Leathers.

Orig Pub : Kozarstvi, 1958, 8, No 3, 72-74.

Abstract : The problems of analyzing chrome - and chrome - vegetable -  
tanned leathers was examined. The existing technique for  
the analysis of these leathers is unsatisfactory: there  
are no methods developed for determining the fixed tanning  
agents, the value of the chrome complex, the tan number,  
and the leather nitrogen. The content of  $Cr_2O_3$  in %, pre-  
sent in the ash of chrome leather, is not an index for the  
degree of tannage completeness in these leathers.

Card 1/2

- 85 -

CZECHOSLOVAKIA/Chemical Technology - Leather. Fur. Gelatin.  
Tanning Agents. Industrial Proteins.

H-35

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 83935

A tan number, which expresses how many parts of the  $\text{Cr}_2\text{O}_3$   
are fixed with 100 parts of skin substances may serve as  
the criterion for the completeness of tannage in chrome  
leather.

Card 2/2

BLAZEK, A.; CISAR, V.; CASLAVSKA, V.; CASLAVSKY, J.

Contribution to the behavior of manganese carbonates and some oxygen-containing manganese compounds during heating. Coll Cs Chem 25 no.9: 2419-2434 S '60. (EEAI 10:9)

1. Institut für Huttenwesen, Tschechoslowakische Akademie der Wissenschaften, Prag.

(Manganese carbonates) (Manganese)

BLAZEK, A.; HALOUSEK, J.

Equipment for thermogravimetry in vacuum. Silikaty 6 no.1:100-112  
'62.

1. Hutnický ústav, Československá akademie věd.

BLAZEK, A.; CISAR, V.; CASLAVSKA, V.; CASLAVSKY, J.

Behavior of pyritic ores during heating. Silikaty 6 no.1:25-35 '62.

1. Hutnický ústav, Československá akademie věd.

2

ČÍSLAVSKÁ, V; FREI, V; BLAŽEK, A.

Czechoslovakia

Metallurgical Institute, Czechoslovak Academy of  
Sciences -- Prague; Institute of Anorganic  
Chemistry, Charles University -- Prague - (for all)

Prague, Collection of Czechoslovak Chemical  
Communications, No 9, 1962, pp 2168-2174

"Essay on the Behavior of Iron (III)-Hydroxyde  
under Higher Temperatures."

CZECHOSLOVAKIA

FREI, V; BLAZEK, A; CASLAVSKA, V.

1. Chemical Institute of Charles University ; 2. Metallurgical  
Institute of the Czechoslovak Academy of Sciences,  
Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 6, 1963, pp 137-138

"Behavior of Iron(III)-Arsenates at Higher Temperatures."



SVANCER, Jan; BLAZEJ, Antonin

Polarographic behavior of complex chrome compounds. Kozarstvi  
13 no.3:71-75 Mr '63.

1. Zavodni laborator kozelusen, n.p. Svit, Otrokovice; katedra  
chemicke technologie kuze a vody, Slovenska vysoka skola  
technicka, detasovane pracoviste Otrokovice.

FREI, V.; BLAZEK, A; CASLAVSKA, V.;

Behavior of iron (III)-arsenates in higher temperatures.  
Coll Cz Chem 28 no.6:1374-1383 Je '63.

1. Chemisches Institut, Karlsuniversitat und Metallurgisches  
Institut, Tschechoslowakische Akademie der Wissenschaften,  
Prag.

3

BLATEK, A.; MIRKOV, K.

Available coal, oil, and gas resources in Yugoslavia. p. 53. (LITERATURE  
PRIVR BA, Vol. 7, no. 2, Mar./Apr. 1954, Beograd, Yugoslavia)

SO: Monthly list of East European Accessions, (JEL), LC, Vol. 11, no. 1  
Jan. 1955, Uncl.

10-10-58, 01

3010. REORGANIZATION AND PRODUCTIVITY IN YUGOSLAV COAL MINING.  
Ublozck, A. (Rohovstvo i Metalurgija, 1954, (1), 243; abstr. in  
Mined. Resch., Apr. 1955, vol. 3, 85, 86).

CASLAVSKA, V.; FREI, V.; BLAZEK, A.

Behavior of the iron (III)-hydroxide under higher temperature. Coll  
Cz Chem 27 no.9:2168-2174 S '62.

1. Metallurgisches Institut, Tschechoslowakische Akademie der  
Wissenschaften and Institut für anorganische Chemie, Karlsuniversität,  
Prag.

BLAZEK, Aleksandar, dipl. inž., saradnik

Scientific research in the exploitation of mineral raw materials. Rudar glasnik no.3:14-16 '63.

1. Rudarski institut u Beogradu, visi savetnik.

BEJOVIC, Savle, mr. inz.; BLAZIK, Aleksandar, dipl. inz.

General considerations on the DC transistor amplifiers for  
their application in analog calculating machines. Automatika  
5 no.3:212-216 '64

1. Mihailo Pupin Institute, Belgrade, Volgina 15.

*Handwritten:* 0.21-0.17-1102/11

Electronic thermobalance with simultaneous recording of differential thermal analysis curves and decomposition product gas analysis. Antonín Blažek (Czechoslov. akad. věd. Hutnický ústav, Prácheň. *Hutnické listy* 12, 1026-1102 (1957).—The operation of the app. is based upon automatic compensation for the deflection of the beam of an analytical balance by use of a solenoid with moving iron core suspended on one arm of the beam. The source supplying elec. current to the solenoid is a photocompensator, whose action depends on the illumination received by the phototube. The compensating capacity of the balance is controlled by means of a neg. optical-electromech. feedback. The curve of the dependence of balance on the temp. is registered by means of a recorder. The device is calibrated for 25 sensitivity ranges which can be changed even during the expt. An elec. resistance furnace for temps. up to 1150° is designed in such a way that the differential-thermal analysis and the gas analysis can be made simultaneously. Operation of the entire equipment was tested in long-time tests made with different materials, various manganese and pyrite ores, coal, etc. The stability and the reproducibility of the curves obtained are good. Petr Schneider

*Handwritten:* 5  
11

*Handwritten:* n.



Distr: 4E3d/4E4c

21  
2  
5  
475. Thermal balance with electromagnetic compensation of changes in weight, Blazina (Slovakia), 1, 158, 1957. In Czech. Apparatus which provides an automatic and simultaneous record of loss-in-weight and D.T.A. curves. (4 figs. in table.)

JR

Z/012/62/000/001/006/007  
E112/E535

AUTHORS: Blažek, A. and Halousek, J.

TITLE: Automatic recording balances for thermal gravimetric analysis in vacuo

PERIODICAL: Silikáty, no.1, 1962, 100-111 + 2 plates

TEXT: Two automatic deflection balances, a beam and a spring type, for use in thermogravimetric and related studies are described. The principle of operation is the same for both. The deviation in weight is recorded as a vertical displacement of a suspended element, which is transformed into an a.c. voltage by means of a linear differential transformer. This is made as a solenoid; two chambers contain equal primary and secondary windings wound on top of each other. The primary windings are connected in series in synphase; the secondary windings are also connected in series but in counterphase. A magnetically soft ferrite core is suspended so that it is in the centre, it does not touch the walls and is allowed to move freely. A change in the axial position of the core changes the inductive coupling between the primary and the secondary windings and as a result of that it

Card 1/6

Automatic recording balances ...

Z/012/62/000/001/006/007  
E112/E535

produces a change in the output signal from the differential transformer. In the equilibrium position the output is zero; with increasing deflection of the core the output increases in proportion to the deflection. This unbalance signal is amplified and rectified by a phase discriminating rectifier. The resulting rectified output is proportional to the deflection and is of one polarity if the core of the differential transformer is deflected upwards and of opposite polarity if this core is deflected downwards. A new null restoring mechanism is included for which the following advantages are claimed: improved stability of the assembly and improved linearity of recording, diminished dependence on variation of amplifier gain or changes in the line voltage. Improved dynamic properties of the assembly are also claimed: the period of the balance beam or quartz spring can be considerably reduced and optimum damping can be introduced. The sensitivity of the system may be readily adjusted by shunting the feedback circuit. The beam-balance assembly, Fig.2, includes: analytical balance with arresting mechanism, placed in glass cylinder 2, closed at both ends by ground joints. A ferrite

Card 2/6

Automatic recording balances ...

Z/012/62/000/001/006/007  
E112/E535

core 7 and weight pan 9 are suspended from one end of the balance. Another ferrite core 4 and a sample crucible, held in position by ceramic capillaries, are suspended from the other end of the balance. Rods, carrying ferrite cores 7 and 4 are inserted into vertical glass tubes, which are sealed into the glass cylinder housing of the balance. One of the tubes, housing core 4, connects via brass bellows 10 to chamber 11, which is provided with fused-in platinum wires for the thermocouple terminals, and continues through glass condenser 13 to a cooled brass cylinder via a Kovar-ring seal. The brass cylinder fits by means of a ground joint 14 into the neck of the receiver 16. The latter is provided with an internal cooling arrangement and is sealed hermetically by a cooled glass plate 21, which at the same time is the supporting base for the electric furnace 18 and a molybdenum shield 17. The glass plate is also provided with two bushings 22 for the furnace wires and a central opening 20 for the thermocouple, regulating the temperature of the furnace and for use in the differential thermal analysis. A cylindrical block from sintered corundum 19, supporting the thermocouple system for

Card 3/6

Automatic recording balances ...

Z/012/62/000/001/006/007  
E112/E535

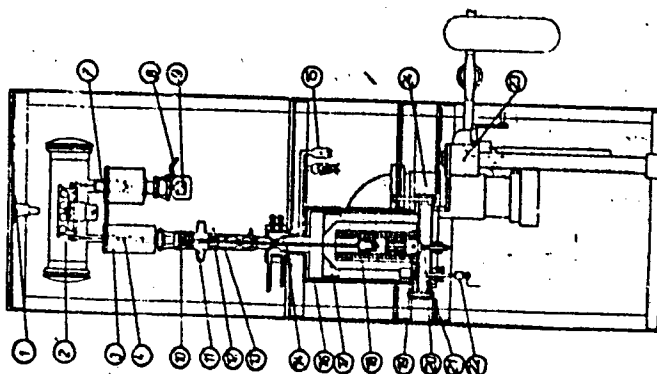
DTA, and holding the furnace in position, is attached to the centre of the glass plate. The molybdenum shield 17 is inserted between the glass receiver and the furnace and is provided with an opening for the rod of the balance. An opening in the wall of the receiver connects to an evacuation unit 24. It is to be noted that the core 7 is a permanent magnet. The maximum sample weight is about 3 g. A detailed description and a sketch are also given for the spring-type balance, in which the extension of a helical quartz spring is measured by means of a differential transformer. The maximum sample weight is about 0.5 g. Recording is by means of a point-type instrument on a 25 cm wide chart; thermogravimetric and differential thermal analyses graphs can be recorded simultaneously as a function of both temperature and time. A table is included which contains information of the most important commercially available and some laboratory prototypes of recording balances (principles of operation, capacity, etc.). There are 8 figures, 1 table and 21 references: 4 Soviet-bloc and 17 non-Soviet-bloc. The four latest English-language references read as follows: Ref.6: J. F. Cordes: Chem.Eng.Techn.20,342-346, 1958; Ref.8: M.J.Pope: J.Sci.Instr. 34, 229-232, 1957; Ref.10: Card 4/6

Automatic recording balances ... Z/012/62/000/001/006/007  
E112/E535

J. C. Rabatin, C.S. Gard.: Anal.Chem. 31, 1689-92, 1959;  
Ref.12: J.G.Hoolley: Canadian Journ. of Chem. 35, 374-380, 1957.

ASSOCIATION: Hutnický ústav ČSAV  
(Mining Institute Czechoslovak AS)

Fig.2



Card 5/6

GLUCKNEROVA, E.; BLAZEK, A.; STARY, F.

The crumbling of camomile inflorescences (flos Chamomillae vulgaris) I. The crumbling process. Cesk. farm. 14 no.3: 112-120 Mr '65.

Characteristics of Czechoslovak approved varieties of comomile (Matricaria chamomilla L.). Ibid.:105-112

1. Vyzkumny ustav prirodnich leciv, Praha.

BLAZEK, F.

BLAZEK, F. New trends in the technology of plating. p. 371.

Vol. 2, No. 9, Sept. 1954.

STROJIRENSKA VYRCEA

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956



HOUSTEK, J.; BLAZEK, F.; SVEJCAR, J.; JAKUBCOVA, J.

In memoriam MUDr. Jiri Brdlik, Dr.Sc. Cesk. pediat. 20 no.9:  
753-758 S '65.

~~SECRET~~  
BLAZEK F. Leceni poliomyelitidy ve stadiu subakutnim Treatment of poliomyelitis in the subacute stage Casopis Lekarů Ceskych, Prague 1949, 88/46 (1324-1325)

The indications in the subacute stage are: (1) Postural correction; (2) relief of pain; (3) muscular exercises and stimulation, with relief of spasm. Treatment must be individualized. Vitamins B, C and E are given, and in the later stages, when pain and spasm have disappeared, strychnine is of value. To expedite recovery the patient should have psychological as well as physical treatment. Cases of poliomyelitis not completely cured within three weeks need admission to a special treatment centre. In the intervals between treatments, admission to a convalescent centre would be advisable as a safeguard against relapse.

Prochazka - Prague (XX, 8, 7)

SO: Neurology & Psychiatry Section VIII Vol 3 No 7 - 12

BLAZEK, F.

Some remarks on so called BCG vaccination complications. *Pediat.*  
*listy* 5:3, May-June 50. p. 153-7

1. Of the Children's University Hospital, Pilsen, and of the  
Children's Department of the Masaryk Homes in Prague.

CLML 19, 5, Nov., 1950

BLAZEK, F.; TACHOVSKA, M.

Treatment of infantile paralysis in the stage of convalescence.  
Prakt. lek., Praha 32 no. 10-11:242-245 20 May 1952. (CML 22:4)

BLAZEK, F.; BOROVA, B.; HOLUB, J.; SIMKOVA, M.

Somatotypes in childhood. Cesk. pediat. 15 no.5:436-441 My '60.

1. IV. detska klinika fakulty vseobecneho lekarstvi Karlovy  
university, prednosta prof. MUDr. Fr. Blazek.  
(SOMATOTYPES)

Pediatrics

CZECHOSLOVAKIA

BLAZEK, Frantisek; Chief of the 4th Pediatric Clinic, Faculty of General Medicine, Charles University (Prednosta IV. Detske Kliniky FVL KU), Prague.

"The Importance of the Type of Constitution in a Child."

Prague, Casopis Lekarů Ceskych, Vol 105, No 51, 16 Dec 66, p 1407

Abstract: The article reviews papers submitted at the Meeting of the Society of Czech Doctors, 14 Nov 66. The following papers were submitted: BLAZEK, F.; The constitutional type of the child and adolescents. NOVOTNY, V.; Somatic type of the adult and his physical proficiency; FISCHER, J.; The constitutional type and temperament and their relation to the efficiency of the movements. No references.

~~BLAZEK, J.~~; HRUBCOVA, M.; KAPALIN, V.; ODCHAZELOVA, Z.; PROKOPEC, M.; PROSEK, V.;  
SOBOVA, A.

Examination, follow-up & assessment of physical growth & development.  
Cesk. pediat. 13 no. 4: 296-303 5 May 58.

1. F. B., Praha II, Ke Karlovu 2.  
(GROWTH, in inf. & child  
measurement (Cs))

BLASCH, F.

Determining elliptic condition in minima. p. 6.  
MML, Praha, Vol. 5, no. 4, Feb. 1955.

SC: Monthly List of East European Accessions, (MML), LC, Vol. 4, no. 13, Oct. 1956,  
Uncl.

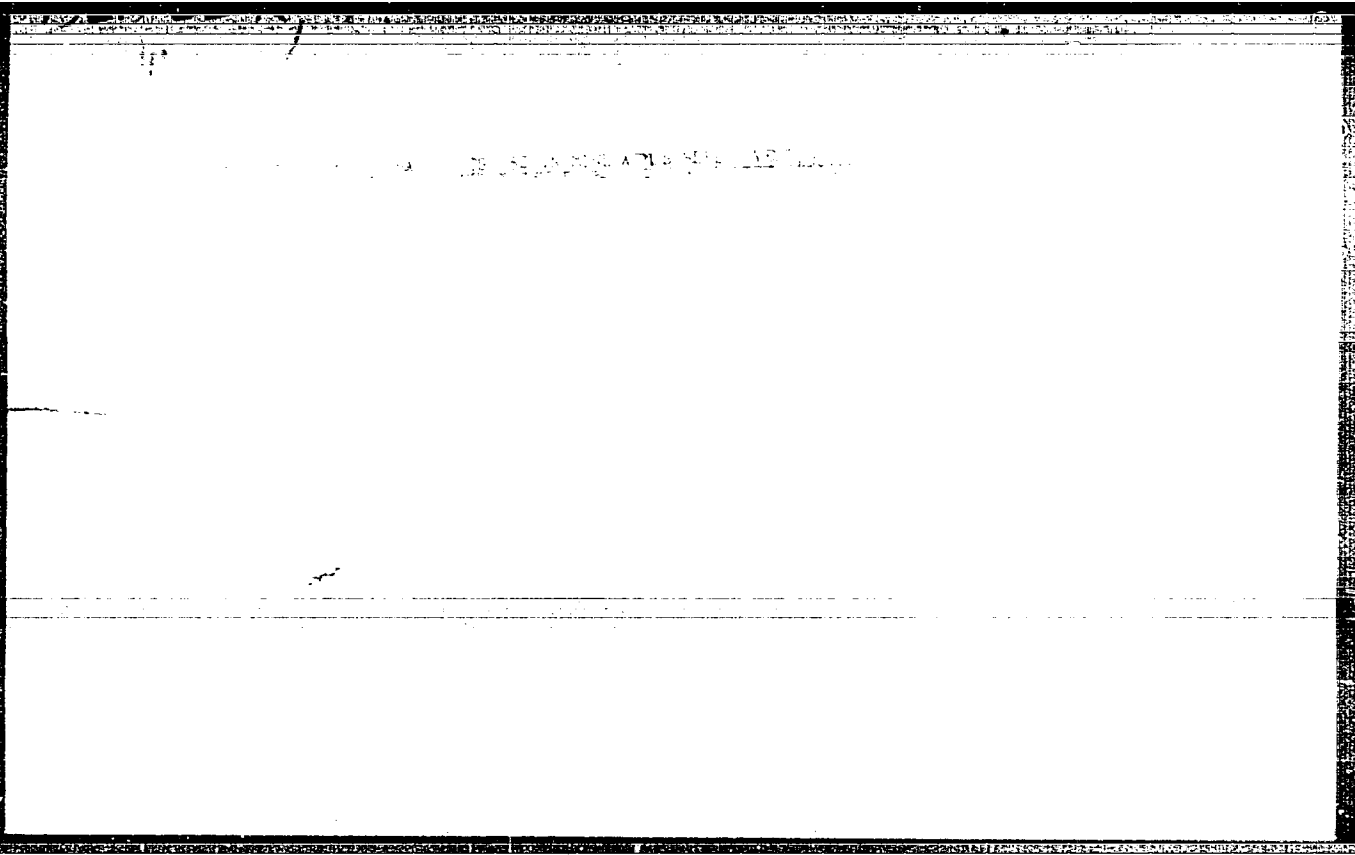


BLAZEK, F.

Brudnik, J. Ventilation and climatic conditions in some mines of the Ostrava-Karvina Basin. p. 172.

UHLI, Praha, Vol. 5, no. 5, May 1955.

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



BLAZEK, F.

Measurements of the depression differences in ventilation systems. p. 90.  
(Uhlí, Vol. 7, no. 3, Mar. 1957, Praha, Czechoslovakia)

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

BLAZEK, Frantisek; HERDEGEN, Indvik

Our experiences with the diagnosis, clinical aspects and  
prevention of acquired bronchiectasis in children. Cesk.pediat.  
15 no.6/7:503-511 J1'60.

1. IV. detska interni klinika a laborator pro detskou pneumologii  
v Praze, prednosta prof.dr. F.Blasek.  
(BRONCHIECTASIS in inf & child)