

POLAND

MICHAŁ WISNIEWSKI and J. WISNIEWSKI, Dept. of First Surgical
Clinic (1. Chirurg. Klinika) (Warsaw) (Dr. H. STEFANOWSKI) and the Department of Radiology (Zaklad Radi-
ologii) ("Szpitala" Polska) (Warsaw) (Prof. J. Kozłowski), both of the
AM (Akademia Nauk i Umiejętności) in Luck

"Retrospectively to see the localization of pancreas."
Wargon, *Praczniki Lekarskie*, Warsaw, Vol. 20, no. 14, 1 Apr 63,
pp 384-386.

Abstract: [Author's English summary modified] When other
methods of detecting pathological changes in the pancreas
prove unsuccessful, the authors recommend the use of retro-
pneumoperitoneum. They examined 20 cases employing the
method of Gu Genes together with sagittal tomography, in-
troducing gas into the stomach and duodenum to obtain the
anterior view of the retro-peritoneal pancreas. There
were no complications. There are 11 references, of which
three (3) are Polish, one (2) are Russian, 13 in German,
and the remaining 11 Russian.

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POLAND

MICHALE, Wladyslaw; First Surgical Clinic (I Klinika Chirurgiczna) of the AM (Akademia Medyczna -- Medical School) in Lodz; Director: Prof Dr Med M. STEFANOWSKI.

"Lipoma Mediastini. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol XVIII, No 7, 11 Feb 1963, pp 265-267.

Abstract: Author's English summary modified The literature on mediastinal tumors of adipose tissue is cited. Reports are rather rare. The case of a female patient treated surgically for lipoma mediastini of pericardial origin is reported. 2 illustrations; 26 references, mostly Eastern.

1/1

MICHALE, Wladyslaw; DEBIEC, Tadeusz

Foreign bodies in the esophagus. Polski przegl. chir. 33 no.3:
229-237 '61.

1. Z Oddzialu Chirurgicznego Szpitala Min. Sprawiedliwosci w
Lodzi Ordynator: dr W. Michale.

(ESOPHAGUS for bodies)

MICHALE, Wladslaw F.; NEYMARK, Stefania M.

Foreign bodies incarcerated in the duodenum. Polski tygod. lek. 16
no.48:1850-1853 27 H '61.

1. Z Oddzialu Chirurgicznego Szpitala Ministerstwa Sprawiedlwosci
w Lodzi; ordynator: zast. prof. dr med. W.Michalej.
(DUODENUM for bodies)

MICHALE, Wladyslaw

Indications for cervical esophagostomy and retrograde esophagoscopy
in incarcerated foreign bodies. Otolaryngologia polska 15 no.3:341-350 '61.

1. Z Oddzialu Chirurgicznego Szpitala Min. Sprawiedliwosci w Lodzi
Ordynator: zast. prof. dr W. Michale.

(ESOPHAGUS for bodies)

MICHALE, Wladyslaw; NEYMARK, Stefania

Production of pneumomediastinum by the transesophageal approach.
Otolar. polska 15 no.4:431-437 '61.

1. Z Oddzialu Chirurgicznego Szpitala Min Sprawiedliwosci w
Lodzi Ordynator: zast. prof. dr W.Michale.
(PNEUMOMEDIASTINUM)

OPIENSKA- BLAETH, Janina; CHAREZINSKI, Marian; CHAREZINSKA, Izabella
Teresa; MICHALCZYK, Zdzislaw.

Indole compounds in the blood plasma and urine in cases of
infectious hepatitis in children. Pol. tyg. lek. 19 no.28:
1066-1068 13 - 20 J1'64

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej w
Lublinie (kierownik: prof. dr. J. Opienska-Blauth) i z
I Kliniki pediatrycznej Akademii Medycznej w Lublinie.

MICHALCZYK, L.

"Activity of the Scientific-Technical Association of Polish Surveyors During the Last Two Years". p. 132

"Report of the Committee of Auditors of the Scientific-Technical Association of Polish Surveyors for 1951 and 1952" p. 135. (Przegląd Geodezyjny, Vol. 9, no. 5, May 1953 Warszawa.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions, /Library of Congress, June 1954, Uncl.

MICHALCZYK, L.

"Agricultural management in Czechoslovakia," p. 78. (Przegląd Geodezyjny.
Vol. 9, no. 3, March 1953. Warszawa.)

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

MICHALCZYK, L.

"Education of surveyors in Czechoslovakia."
(Przegląd Geodezyjny, Vol 9, No 2, Feb 1953, Warszawa)

p. 50

SO: Monthly Bulletin of East European Accessions, Vol 2, No 9, Library of Congress, Sept 53, ~~XXXXXX~~ Uncl

MICHALZCYK, L.

"An address at the opening of the conference of surveyors."p. 33
(Przegląd Geodezyjny, Vol 9, No 2 Feb 1953, Warszawa).

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress ~~EXCISE~~ Sept 53 Uncl

HURWIC, Jozef; JARZYNSKA, Stefania; MICHALCZYK, Jerzy

The $\text{Th}(\text{NO}_3)_4$. 2 dipole moment. Nukleonika 9 no. 6:484-485 '64.

The $\text{La}(\text{NO}_3)_3$. 3TBP dipole moment. Ibid.:486

1. Department of Physics, Division of Chemistry, Technical University, Warsaw.

MICHALCZYK, Jerzy; HURWIC, Jozef

Uranyl nitrate complexes with tributylphosphate. Nukleonika 9
no. 6:483-484 '64.

1. Department of Physics, Division of Chemistry, Technical
University, Warsaw.

MICHALCZYK, Jerzy

Dielectric properties of the liquid system: ethyl alcohol-
tributyl phosphate. Roczniki chemii 37 no. 11: 1519-1524 '69.

1. Department of Physics, Chemical Faculty, Technical University,
Warsaw.

MICHALCZYK, Jerzy

Dipole moment of tributyl phosphate. Nukleonika 8 no.4:237-
244 '63.

1. Katedra Fizyki, Wydział Chemiczny, Politechnika, Warszawa.

26833

P/046/61/006/007/005/008
D249/D302

Dipole moments of...

ASSOCIATION: Politechnika Warszawska, Warszawa, Wydział chemiczny,
Katedra fizyki (Warsaw Polytechnic, Chemistry Section,
Department of Physics)

SUBMITTED: May, 1961

X

Card 5/5

26833

P/046/61/006/007/005/008
D249/D302

Dipole moments of...

closely approaching a straight line. Hence R_I ($= 0.183 \text{ cm}^3 \text{ g}^{-1}$) and R_{II} ($= 0.193 \text{ cm}^3 \text{ g}^{-1}$) were obtained by extrapolation to $x = 0.5$ and $x = 0.33$ respectively. By multiplying the values $P_I P_{II}$ and $R_I R_{II}$ by the molecular weight of the corresponding complex, the molar polarizations, $[P_I]$ and $[P_{II}]$, and the molar refractivities, $[R_I]$ and $[R_{II}]$, were obtained. From these the dipole moments were calculated by $\mu = 0.1273 \sqrt{([P] - [R]) \cdot T}$ and found to be as follows: $\mu_I = 3.04\text{D}$, $\mu_{II} = 3.47\text{D}$. The low value of μ_{II} (3.1D) found by Shevchenko was due to his failure to recognize the presence of $\text{UO}_2(\text{NO}_3)_2 - \text{TBP}$ and free TBP in the solutions. The authors express their gratitude to Mieczysław Taubem for his valuable suggestions and to Professor Witold Tomassi for the loan of apparatus. There are 1 figure, 4 tables and 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: R. J. Le-Fevre, H. Vine: J. Chem. Soc. 1805 (1937).

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D249/D302

Dipole moments of...

maximum value of x obtained was 0.4280; a pure $UO_2(NO_3)_2$ TBP complex would have $x = 0.5$, hence it can be inferred that the saturated solution does not consist of this complex alone. Extrapolation of the experimental curve of the P values against x to $x = 0.5$ gives $P_I = 0.475 \text{ cm}^3 \text{ g}^{-1}$ (where I refers to $UO_2(NO_3)_2$ - TBP. Since the experimental graph deviates from the straight line, it may be assumed that at higher TBP concentrations the complex $UO_2(NO_3)_2$ 2TBP as well as free TBP are present. If no free TBP were present, additive relationship of the two complexes could be expected having to a linear relationship between the P and x . A plot of P versus x would then give a straight line passing through the point ($P = 0.428$, $x = 0.5$). If a tangent to the experimental curve at $x = 0.5$ be extended to meet a vertical line at $x = 0.33$ (corresponding to $UO_2(NO_3)_2$ 2TBP) then the point of intersection would give P_{II} (where II refers to $UO_2(NO_3)_2$ 2TBP. By this method P_{II} was found to be $0.465 \text{ cm}^3 \text{ g}^{-1}$. A graph of R versus x gives a curve

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D249/DS02

Dipole moments of...

$\text{UO}_2(\text{NO}_3)_2$ - TBP, but with constant x value. Further portions of the saturated solution were diluted with TBP to give three solutions, each with a different x value. From each of these, a series of benzene solutions was made, each solution with a different w (x for each series was constant). For every resulting solution, the dielectric constant ϵ , the density d and the refractive index m were determined. The value was found by the hetrodyne beat method; d was found picnometrically, while m was obtained with the aid of a universal refractometer. From the values of w, d, ϵ and n, the factors α , β and γ were determined for every solution where

$$\alpha = \frac{d-d_b}{wd_b}, \quad \beta = \frac{\epsilon - \epsilon_b}{w\epsilon_b} \quad \text{and} \quad \gamma = \frac{n^2 - n_b^2}{wn_b^2} \quad (\text{the postscript } b$$

refers to the pure solvent, i.e., benzene). The specific polarization P, for the $\text{UO}_2(\text{NO}_3)_2$ - TBP was calculated at infinite dilution from d_b , ϵ_b , α and β and the specific refractivity R was calculated from d_b , n_b , α and γ . The values thus obtained of P and R were plotted against x. The

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P/046/81/006/007/005/008
D249/D302

21. 4100

AUTHORS: Michalezyk, Jerzy, and Hurwic, Józef

TITLE: Dipole moments of complexes of uranyl nitrate with tributylphosphate

PERIODICAL: Nukleonika, v. 6, no. 7-8, 1961, 503-509

TEXT: The following work, whose object is to find what complexes are formed by $UO_2(NO_3)_2$ with tributylphosphate (BP) and to determine their dipole moments, is an extension of the work of V. B. Shevchenko and his co-workers, who failed to report on their methods of investigation. A saturated solution of $UO_2(NO_3)_2$ in TBP was carefully prepared (free from H_2O and HNO_3). The mole fraction (x) of $UO_2(NO_3)_2$ in this solution was determined spectrophotometrically by Władysław Rutkowski at Pracowni Chemii Analitycznej IBJ, Warszawa (Laboratory of Analytical Chemistry IBJ, Warsaw). Portions of this solution were dissolved in varying amounts of pure benzene to give four solutions, each with a different weight fraction (w) of

Card 1/5

HURWIC, Jozef; MICHALCZYK, Jerzy

Relation between the saturated vapor pressure and density of some
binary liquid systems. Roczniki chemii 34 no.5:1439-1443 '60.
(EEAI 10:9)

1. Katedra Chemii Fizycznej Politechniki, Warszawa.

(Vapor pressure) (Liquids) (Systems(Chemistry))

HURWIC, Jozef; MICHALCZYK, Jerzy

Relation between the saturated vapor pressure and dielectric constant
for certain binary liquid systems. Roczniki chemii 34 no. 5: 1423-1438
'60. (EAI 10:9)

1. Katedra Chemii Fizycznej Politechniki, Warszawa.

(Vapor pressure) (Dielectrics) (Liquids)
(Systems(Chemistry))

INGARDEN, R. S.; MICHALCZYK, J.

On optimum field homogeneity of high energy coil magnets. *Bul Ac Pol
mat no.5:319-324 '60.*

1. Institute of Physics, Polish Academy of Sciences and Department
of Theoretical Physics, University, Wroclaw. Presented by W. Rubinowicz.

(Electric coils) (Electromagnets)

POLAND / Physical Chemistry. Molecule, Chemical Bond.

B-4

Abs Jour : Ref Zhur - Khim., No 10, 1958, No 31480

under study, shows great divergences from additivity. The presence of a series of complexes, the composition of which depends on the concentration, is assumed. A probable mechanism of the formation of these complexes is suggested. Bibliography with 21 titles.

Card 2/2

MICHALCZYK, JERZY

PLLAND / Physical Chemistry. Moloculo. Chemical Bold.

B-4

abs Jour : Ref Zhur - Khim., No 10, 1958, No 31480

author : Jozef Hurwic, Jerzy Michalczyk, Krystyna Pogorzelska.

Inst : -

Title : Intermolecular Compounds of Pyridine and Acetic Acid.

Orig Pub : Roczn. chem., 1957, 31, No 1, 265-275.

Abstract : The dielectric polarization (DP) of pyridine (I) and acetic acid (II) mixtures in ratios corresponding to I: 4 II and 2 I : 3 II was determined in dilute benzene solutions. The difference between the experimental value of the DP and the sum of DP-s of the component parts of the mixture was 0.87 cub. cm in the case of the first solution and 1.04 cub. cm in the case of the second solution. Thus, the DP, same as other physical magnitudes of the mixtures

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POL/7-60-22-46/46

AUTHOR: Michalczuk, Stanisław

TITLE: Szczecin Awaits Delivery of Parachutes.

PERIODICAL: Skrzydlata polska, 1960, No. 22, Supplement "Przegląd
lotnictwa cywilnego" 1960, No. 11, p. 4

TEXT: The author criticizes the parachute supply section for not delivering more parachutes to Aeroclubs. He points out that the Szczecin Aeroclub has only 4 parachutes, and as a result flights are kept to minimum. Further, he describes a glider flight made by Bronikowski who, after flying a distance of 410 km, entered a cold front and for safety reasons was forced to land. ○

Card 1/1

MICHALCZEWSKI, W.

KULINICZ, W., MICHALCZEWSKI, W., CIBOR, J.: "How The Silos In Wierzbice Were Concreted"

p. 91. (Przeglad Budowlany, Vol. 25, no. 3, Mar. 1953, Warszawa)

SO: Monthly List of East European Accessions / Library of Congress, February, 1954, 1953, Uncl.

MICHALCZEWSKI, Jerzy

American Tiros meteorological satellites. Przegl geofiz
8 no.4:221-232 '63.

1. Panstwowy Instytut Hydrologiczno-Meteorologiczny,
Warszawa.

NICHALCZEWSKI, J.

SCIENCE

periodicals: GAZETA OBSERWATORIA. P.L.H.N. Vol. 12, no. 3, Feb. 1959

NICHALCZEWSKI, J. The map of mean vertical thermic gradients. p. 9

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

MICHALCZEWSKI, J.

The insolation and cloudiness in Zakopane in the years 1924-1948, p. 253.

Panstwowy Instytut Hydrologiczno-Meteorologiczny. WIADOMOSCI SLUZHNY HYDROLOG-
ICZNEJ I METEOROLOGICZNEJ.
Warszawa, Poland. Vol. 6, no. 5, 1959

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

Uncl.

MICHALCZEWSKI, J.

The Verkhoyansk cold pole. p. 8

GAZETA OBSERWATORA. P.I.H.M. (Instytut Hydrologiczno-Meteorologiczny)
Warszawa. Vol. 7, no. 13, 1957
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

MICHALCZEWSKI, J.

A graphic method of fixing the time of the appearance of fog. p. 8

GAZETA OBSERWATORA. P.I.H.M. (Instytut Hydrilologiczno-Meterorologiczny)
Warszawa. Vol. 7, no. 13, 1957
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

MICHALCZEWSKI, JERZY

✓ 10.3-241 3
 551.521.11:551.576.2(438)
 *Michalczewski, Jerzy. Usłonecznienie i zachmurzenie Zakopanego. [Cloud amount and duration of sunshine at Zakopane.] *Przebieg Meteorologiczny i Hydrologiczny*, Warsaw, 8(3/4):227-233, 1955. 6 figs., 2 tables, 5 refs. English summary p. 233. DWB, DLC—The peculiarity of the location of Zakopane in a triangular hollow is reflected not only by the thermal conditions, but also by its cloudiness and insolation. The author tries to explain, on the basis of sunshine and cloud amount data for 1924-1948, the characteristic phenomena and their alteration produced by air circulation and other dynamic forces. The study shows that the variability of sunshine duration from month to month and year to year is considerable. Tables and several graphs show the mean, maximum and minimum hours per year of sunshine and overcast, the number of clear and cloudy days, the yearly variation of insolation, etc. On the basis of a short series of observations taken in two different locations at Zakopane, the author discusses the respective direction of sunshine in different parts of the town and indicates the right direction in which the city should develop. *Subject Headings*: 1. Sunshine duration. 2. Cloudiness. 3. Zakopane, Poland.—A.M.P.

GW
11

August 3, 1959

MICHALCZEWSKI, J.

"New Theory of the Origin of Rain", P. 10. (GAZETA, OBSERWATORA, Vol. 7,
No. 9, Sept. 1954, Warszawa, Poland)

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

NICHALCZEWSKI, J.

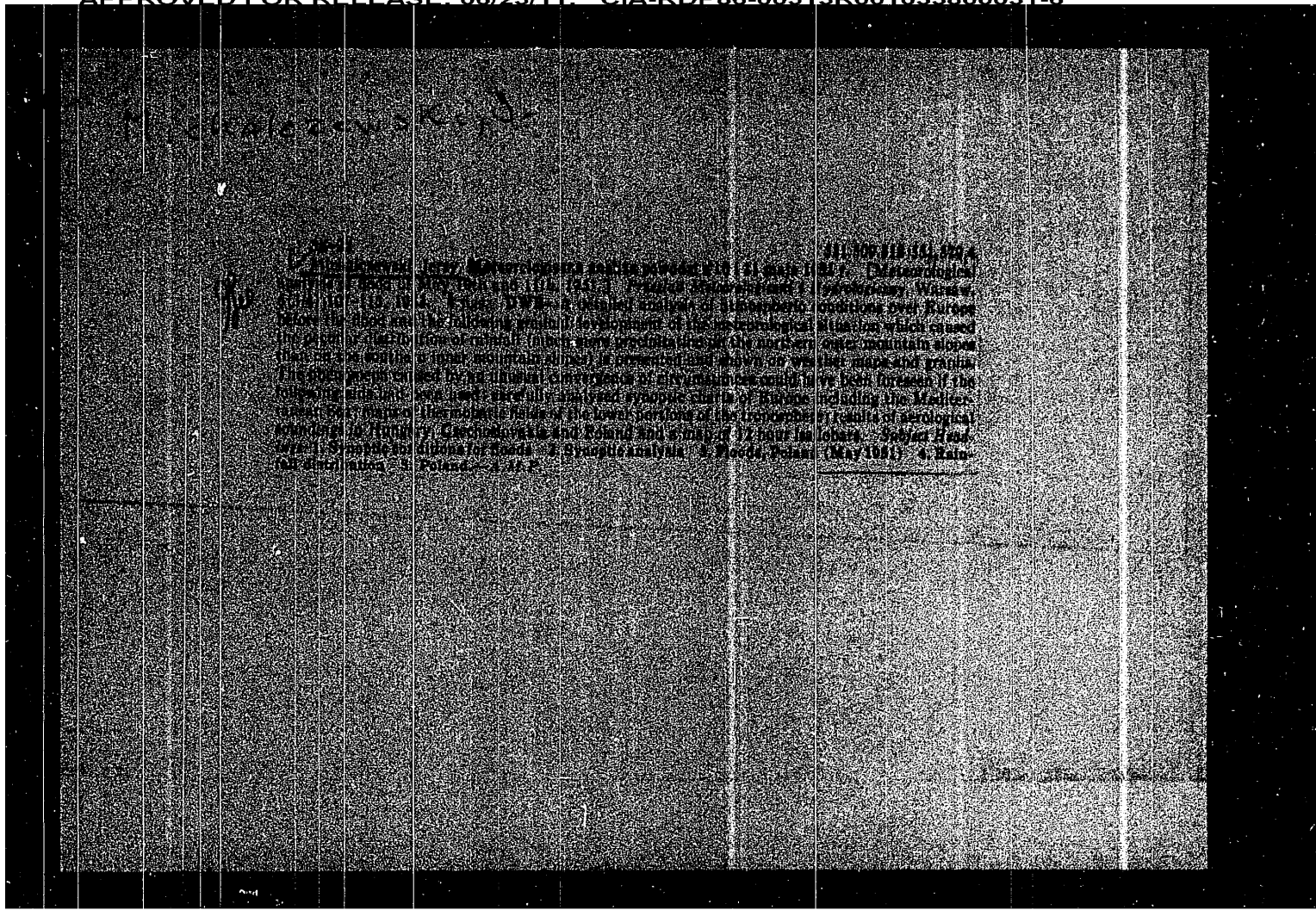
"How a hurricane occurred in Poland on September 3, 1950."
Gazeta Obserwator. P.I.H.P., Warszawa, Vol. 4, No 11, Nov 1950, p. 5

SO: Eastern European Accessions List, Vol 3, pp 19, Oct 1954, Lib. of Congress

MICHALCZEWSKI, J.

"Geostrophic scale. p. 3." (GAZETA OBSERWATORA), Vol. 6, no. 5, May 1953, Warszawa, Poland

So: Monthly List of East European Accessions L. C. Vol. 2, No. 11, Nov. 1953, Uncl.



ILLEGIBLE

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800031-6

Michalczewski, Jerzy, "Fronty wtworne z dnia 23.V.1950 r.," (Secondary Fronts of
23 May 1950.) Przeegląd Meteorologiczny i Hydrologiczny, Warsaw, 6(1/2):71-78, 1953.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800031-6

MICHALCZEWSKI, J.

① Geo

Meteorological Abst.
Vol. 4 No. 3
March 1954
Aqueous Vapor and
Hydrometeors

4.3-213 ✓ 551.576.36(438)
*Michalczewski, Jerzy. Częstość występowania rodzajów chmur w Zakopanem.
[Frequency of forms of clouds at Zakopane.] *Przegląd Meteorologiczny i Hydrologiczny*,
1950/1951:117-122, 1951. 2 tables. DWH--Cloud observations show that: 1) Ac, Sc and
Ns clouds appear most frequently, 2) the Cs, Ci, Al, St and Tu + Cb less frequently and 3)
Cc clouds are very rare. Subject Headings: 1. Cloud frequencies 2. Cloud observations
3. Zakopane, Poland.--H. Tomczykowski.

MICHALCZEWSKI, Henryk, inż.

Section blocks as reversing points for commuter trains. Przegl kolej
elektrotech 15 no.5:132-135 My '63.

MICHALCZEWSKI, Henryk, inz.

Putting the electric shunt point drives under control of the mechanical signaling arrangements. Przegl kolej elektrotech 10 [i.e. 15] no.10:293-299 0 '63.

MICHALCU,

RUMANIA/Chemical Technology - Synthetic Polymers, Plastics. H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55717

Author : Mikhalku, Buzhini

Inst :

Title : Application of Radio Isotopes in Plastic and Glass
Technology.

Orig Pub : Ind. Usoara, 1957, 4, No 2, 68-72

Abstract : The action of radio isotope radiation on monomers and polymers is described, as well as the application of radioactive isotopes in rubber vulcanization, polymerization of polyvinyl chloride, in the studies of the effect of sodium hydroxide on glass, in the systematic investigation on Ca and Pb silicates, in the determination of B in glass, in devices used to determine and regulate the charge level in glass furnaces.

Card 1/1

33

MAZAK, Jaroslav; VANASEK, Jaroslav; MATEJA, Frantisek. Technicke spoluv-
prace: MICHALCOVA, V.; PROUZOVA, H.; KLAZAROVA, M.

Blood coagulation findings in experimentally burnt dogs.
Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:777-789
1/4.

I. II. interní klinika a katedra vnitřního lékařství
(prednosta: prof. MUDr. V. Jurkovic, DrSc.).

EXCERPTA MEDICA Sec 15 Vol 12/8 Chest Dis. Aug 59

1864. PROLONGED OBSERVATION OF BRONCHUS STUMP AFTER PNEUMON-
ECTOMY FOR LUNG CANCER (Russian text) - Michalchenko V. A.
Inst. of Roentgenol. and Radiol., Moscow - VOPR.ONKOL. 1958, 4/5
(579-584) Tables 2 Illus. 4

This is a clinical and radiological study of 60 patients who had been subjected to pneumonectomy for cancer. The examination included as a rule a bronchography combined with tomography and kymography. The contour of the bronchial stump is determined by the surgical technique, the appearance of ligature granulations, fistulas, recurrences and, mainly, by the presence of metastatic mediastinal lymph nodes. Histological study of the stump showed that tumour tissue at the site of ligature, if any, can be primary or secondary. Primary or true recurrences are very rare (1 out of 60 cases). Secondary invasion of the stump from mediastinal lymph nodes is more frequent (8 cases). Patients with a recurrence in the stump do not survive for more than 2 yr.

(V, 15, 16)

VELVART, J.; BOZIK, L.; MICHALCAKOVA, H.

Health condition of workers employed in the production of fural.
Pracovni lek. 14 no.4:186-179 My '62.

1. Klinika chorob z povolania, Bratislava, prednosta prof. MUDr. Milos
Nosai Neurologicka klinika v Bratislava, prednosta prof. MUDr. Jozef
Cernacek KHES v Banskej Bystrici, prednosta Dr. Vojtech Cmarko.
(FURANS toxicol) (INDUSTRIAL MEDICINE)

MICHALCAK, Svatopluk, inz. CSc.

Activities of the Czechoslovak Scientific and Technological Society
in the West Slovakia region. Geod kart obzor 11 no.1:25 Ja '65.

1. Slovak Higher School of Technology, Bratislava.

L 19381-66 EWT(d)/EWT(1)/EEC(k)-2
ACCESSION NR: AP5015473

02/0030/64/000/009/0278/0281

AUTHOR: Michalcak, S. (Engineer)

TITLE: Error in the vertical axis

SOURCE: Jema mechanika a optika, ⁹no. 9, 1964, 278-281

TOPIC TAGS: geographic survey

Abstract [Author's English summary, modified]: Analyzed is the position and movement of the vertical axis in a theodolite and their effect on the accuracy of measuring angles. Shown is the effect of errors created through the levelling and fluctuation of the vertical axis. Orig. art. has 2 figures and 18 formulas.

ASSOCIATION: Katedra geodesie SVST, Bratislava (Department of Geodesy SVST)

SUBMITTED: 03

ENCL: 00

SUB CODE: EG

NO REF SOV: 004

OTHER: 013

JPRS

Card 1/1

11
B

MICHALCÁK, Svt., Inz. OSc.

Problems of testing geodetic instruments. Jemas work, part 6
no. 5:146-149 My '64.

1. Slovak Higher School of Technology, Bratislava.

MICHALCAK, Svatopluk, inz., CSc.

Evaluation of the telescopes of geodetic instruments. Geod.
kart obzor 9 no.11:306-309 N'63.

1. Katedra geodezie, Slovenska vysoka skola technicka,
Bratislava.

MICHALCAK, Svatopluk, inz.

Present method for acceleration of leveling and increasing
its accuracy. Geod kart obzor 9 no.10:277-281 0 '63

1. Katedra geodezie, Slovenska vysoka skola technicka,
Bratislava.

MICHALCAK, S., inz.

New surveyor's levels with automatic horizontal setting control.
Jemna mech opt 8 no.4:116-119, 123 Ap '63.

1. Katedra geodezie, Slovenska vysoka skola technicka, Bratislava.

MICHALCÁK, Svatopluk, inž.

The automatic surveyor's level MDM-MI-B3. Geod.kart obzor 2
no.8:155-157 Ag '62.

1. Katedra geodezie, Slovenska vysoka skola technicka,
Bratislava.

MICHALCAK, Sv., inz.

Remarks on determining the direction-finder error.
Jemna mech opt 6 no.10:302-305 0 '61.

1. Katedra geodezie, Slovenska vysoka skola technicka, Bratislava.

MICHALCAK, S., inz.

Precision test of the theodolite Zeiss Theo 030. Jemna mech opt 6
no.4:122-126 Ap '61.

1. Katedra geodezie, Slovenska vysoka skola technicka, Bratislava.

(Theodolites)

MICHALCAK, Sv., inz.

New Hungarian geodesy instruments. Jemna mech opt 5 no.3:
94-97 Mr '60.

1. Slovenska vysoka skola technicka, Bratislava.

MICHALCÁK, S., inz.

Automatic leveling apparatus Breithaupt "Autom". Jemna mech
opt 5 no.2:69 F '60.

1. Katedra geodezie, Slovenska vysoka skola technicka, Bratislava.

Production of Surveying Equipment in Czechoslovakia

SOV/6-58-7-11/1

The same firm is planning to build a transit theodolite which is to comply with all modern requirements. At the Research Institute of Surveying, Topography, and Cartography in Prague some models of surveying equipment were built. For example the permanent heliotrop of the makers Kuchera. Last year this same firm came on the market with a model of an attachable vertical rod to be used in optical distance measurements during mine surveying work. There are 6 figures and 1 reference.

1. Mapping--Czechoslovakia
2. Geophysical surveying--
Equipment
3. Theodolites--Design
4. Optical equipment--
Production

Card 2/2

MICHALČEK, S.

AUTHOR: Mikhalček, S. (Czechoslovakia) SOV/6-58-7-11/19

TITLE: Production of Surveying Equipment in Czechoslovakia
(Proizvodstvo geodezicheskikh priborov v Chekhoslovakii)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 7, pp. 57-63 (USSR)

ABSTRACT: This is a historical survey of the production of surveying apparatus in Czechoslovakia. In 1945 a model of a 30-second repetition transit, the Meopta-Th 30 was developed by the manufacturing firm Meopta-Koshirzhe in Prague. Since 1946 it is mass-produced. In 1949 the level Meopta M 30, which is designed for third class leveling was developed. It has hitherto been mass-produced. In 1955 the first Czechoslovakian optical transit TL^C was constructed. It is a universal instrument with a glass limbus, an optical micrometer and an adjustable horizontal circle. It is designed to be used in angle measurements in transit lines, in the development of microtriangulation in surveying work and in tachymetric surveying. The instrument weighs 4.8 kg altogether. The distance by which the horizontal axis is removed is 200 mm. When readings are taken under corresponding conditions the mean gauge deviation in the running of a line in one direction is $\pm 15^{\text{cc}}$.

Card 1/2

MICHALCAK, S.

"The first theodolite with a glass disc."

p. 35 (Jemna Mechanika A Optika) Vol. 3, no. 1, Jan. 1958.
Prague, Czechoslovakia

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

MICHALGAK. S.

Pavel Gal's Zaklady meracskych a mapovacich prac (Principles of Surveying and Cartography); a book review.

P. 111 (Kartograficky Prehled. Vol. 11 No. 3 1957, Praha. Czechoslovakia)

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

MICHALCAK, S.

Evolution of theodolites for direct measurements of coordinate differences. p. 51.
(Geodeticky A Kartograficky Obzor, Vol. 3, No. 3. Mar 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC, Vol 6, No. 8, Aug 1957, Uncl

MICHALCAK, S.

New elements in the construction of theodolites.

F. 184. (JEMNA MECHANIKA A OPTIKA) (Praha, Czechoslovakia) Vol. 2, No. 6, Dec. 1957

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

MICHALCIK, S.

"Pavel Gal's Geodezia v stavebnictve (Geodesy in the Construction Industry);
a book review."

p. 90 (Kartograficky Prehled) Vol. 10, no. 2, June 1956
Prague, Czechoslovakia

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

MICHAL, M.

Experiences with chronometers at the observatory of the Slovak Institute of Technology in Bratislava. p. 167. TECHNICKA PRACI. (Státné nakladatelstvo technickej literatury) Vol. 4, no. 3, ar. 1954.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

MICHALCAK, Ondrej, doc., inz.

Present state and outlook of the development of surveying engineering studies at the Slovak Higher School of Technology in Bratislava. Geod kart obzor 9 no.12:313-316 D'63.

MICHALCAK, O.

MICHALCAK, O.

J.I. Lenin and His Contribution to Socialism in the East. (Zememerictvi. Praha. Vol. 4, no. 1, Jan. 1954) East

SO: Monthly List of European American (1954), 16, 20. 2, no. 1, June 1954, 401.

MICHALAK-STARZYK, Jadwiga (Kielce)

Technological and economic aspects of the production of distilled
vinegar by the method of submerged fermentation. Przem spoz 16 no.4
21-29 Ap '62

CZYZEWSKA, Janina, doc. dr. med.; CHABUDZINSKA, Stefania; DADEJOWA,
Janina; MICHALAK-BELDA, Janina; RABENDA, Celina; RUDKOWSKI,
Zbigniew

Clinical forms of skin complications of smallpox vaccination.
Pediat. Pol. 40 no.2:121-128 F '65

1. Z Kliniki Chorob Zakaznych Wieku Dzieciecego Akademii
Medycznej we Wroclawiu (Kierownik: doc. dr. med. J. Czyzewska).

MICHALAK, Z.

New kind of passenger cars on the Polish State Railroads. p.227
(PRZEGLAD KOLEJOWY, Vol. 9, No. 6, June 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (FEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

MICHAJAK, L.

MICHAJAK, L. Problem of the traffic capacity of railroad stations. p. 331.

Vol. 7, No. 9, Sept. 1955

PRZEGLAD POLSKA

TECHNOLOGY

Warszawa, Poland

See: East European Accession, Vol. 5, No. 5, May 1956

D

MICHALAK, Wladyslaw; WICINSKI, Ryszard

Further observations and results of inducing labor. Gin.polska
31 no.4:463-468 J1-Ag '60.

1. Z Kliniki Poloznictwa i Chorob Kobietych A.M. w Bialymstoku
Kierownik: prof. dr med. S.Sozka
(LABOR, INDUCED)

NICHOLAS, M.

"Expansion of the Central Office for Information Research", p. 177,
(PROGLADNITSY POGH CENTRALNY, Vol. 20, No. 11, November 1970, Moscow, Vol. 20)

SC: Monthly List of East European Accidents (1961), 10, Vol. 1, No. 1,
March 1965, Incl.

MICHALAK, W.

"Problems of Relay Protection." p.285
(PRZEGLAD ELEKTROTECHNICZNY Vol. 29, no. 7, July 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, IC, Vol. 3, no. 5, May 1954/Uncl.

MICHALAK, TADEUSZ.

Jastrzebie zdroj i okolice. Warszawa, Sport i Turystyka, 1955.

43 p. (Jastrzebie Zdroj and vicinity. map)

So. East European Accessions List Vol. 5, No.1 Jan. 1956

L 36100-66

ACC NR: AP6018647

confirmed the conclusions of S. Michalak regarding the influence of
secondary effects (Dissertation, Moscow State University, 1961).
Orig. art. has: 8 figures and 2 formulas. [Based on author's abstract.]
[101]

SUB CODE: 20/
OTH REF: 006

SUBM DATE: 23JUL65/

ORIG REF: 005/

SOV REF: 005.

LS
Card 2/2

L 36100-66 EMP(k)/T/EMP(t)/EFT IJP(e) JD/HW

ACC NR: AP6018647 SOURCE CODE: PO/0045/66/029/001/0065/0070 47

AUTHOR: Michalak, S.; Rutkowski, J.

ORG: Department of Experimental Physics, University of Lodz, Lodz

TITLE: Experimental investigations of the transition radiation from 6-23-keV electrons entering normal metal surfaces

SOURCE: Acta physica polonica, v. 29, no. 1, 1966, 55-70

TOPIC TAGS: metal surface, transition radiation, electron bombardment

ABSTRACT: The results of experimental investigation have been presented for transition radiation originating on surfaces of metal targets (Ag, Al, Au, Cd, Cr, Cu, Ni, Pt, Sn) bombarded with 6-23-keV electrons. The characteristics of the transition radiation have been measured and the results compared with the Frank-Ginsburg theory, and good agreement has been found. The characteristics of the transition radiation in the visible part of the spectrum have been measured with a new specially designed apparatus. The results of investigations also

Card 1/2

L 41071-5
 ACQUISITION NO: AT500545

9700 \pm 7%, respectively. The connection of 1540 Ω and 670 Ω resistances in parallel with the microammeter reduces the sensitivity of galvanometer G 3.10 and 5.24-fold, respectively. The amplifier possesses a constant amplification factor for currents from 10^{-6} to 10^{-10} A. The amplifier feeder, set in a full-wave rectifier, is stabilized electronically and maintains the power at 150 V with an accuracy of about 0.1%. The total amplification of the electrophotometer amounts to about 5000 A/lumen. The defect of this arrangement lies in an instability of the zero point, of the order of $2.1 \cdot 10^{-10}$ A/mv. Orig. art. has: 2 figures.

ASSOCIATION: Katedra Fizyki Doświadczalnej, Uniwersytetu Łódzkiego (Department of Experimental Physics, Łódź University)

SCIENTIFIC: 00

ENCL: 01

SUB CODE: 80

NO REF NO: 005

OTHER: 001

Card 2/5

1. 01071-5 20181/250(1)-2/22-4 20-4/20-4/20-4/20-4/20-4
ACRESCENT No: AT5009454 *2/2578/6/000/001/0075/0075*

AUTHOR: Michalik, B. (Michalysk, B.); Rutkowski, J. (Rutkovskiy, Ye.);
Stepniak, J. (Stepniak, E. M.)

*46
45
B71*

TITLE: Electrophotometer for measuring weak light currents. *AM*

SOURCE: Lodz University, Zeszyty naukowe, Seria III, Nauki matematyczno-pedagogiczne, no. 17, 1964. Płyta, 73-75

TOPIC TAGS: electrophotometer, photometer, multiplier, amplifier, full wave rectifier, resistance, microammeter, bridge circuit, dark current

ABSTRACT: The photometer consists of a multiplier and a d-c linear amplifier. The multiplier, possessing a constant amplification factor for a wide range of photocurrents and a dark current of less than 10^{-9} A, is powered by a high-voltage stabilized 20V 2B00-A reader. The connections of the amplifier in a bridge arrangement with unbalanced input are shown in Fig. 1 of the Enclosure. The working point of tube 6B00M working in the amplification range is selected with the aid of potentiometers R₁ and R₂, which also serve galvanometer G. Resistances R₁ = 0.5 MΩ, 1 MΩ, and 5 MΩ produce amplifications of $950 \pm 5\%$, $1760 \pm 7\%$, and

Can 1/6

Measuring the stream of electron beams. Nauki matem przyrod
Lodz no.17:69-71 '64.

1. Department of Experimental Physics, University, Lodz.

MICHALAK, Stanislaw; RUTKOWSKI, Jerzy

Apparatus for studies of transition radiation. Nauki matem przyrod Lodz no.17:59-67 '64.

Possibility of using the sound-tube of an ionizing manometer to measure the initial vacuum (of the range 10^{-1} - 10^{-3} Tr).
Ibid.:77-78

1. Department of Experimental Physics, University, Lodz.

41070-4

ACCESSION NR: AP5005431

2

increases with increase in the dielectric constant and the difference in angular distribution for the two metals disappears. These results are presented graphically. Orig. art. has: 3 formulas and 1 figure.

ASSOCIATION: [Michalak] Wydział Fizyki Doświadczalnej Uniwersytetu Łódzkiego
[Department of Experimental Physics, Lodz University], [Pafomov] Instytut Fizyki
Akademii Nauk ZSRR, Moskva (Institute of Physics, Academy of Sciences USSR)

SUBMITTED: 00

ENGL: 00

SUB CODE: NP

NO REF COPY: 005

OTHER: 000

5/2

1.4 070-2 HW (1)
ACCESSION NR: A15005431

R/2538/61/000/017/0053/0057

AUTHOR: Michalek, S. (Mikhalak, S.); Pafomov, V. E. (Pafomov, V.)

16
14
671

TITLE: Comments on radiative transition in the visible portion of the spectrum

SOURCE: Izv. Universyt. Zensyty naukov. Seria II. Nauki matematychno-prirodnyts, no. 17, 1961. Fizika, 55-57

TOPIC TAGS: radiative transition, particle motion, generated field, angular distribution, dielectric constant, infrared spectrum region

ABSTRACT: Theoretical principles of radiative transition in the visible portion of spectra are discussed in connection with the author's dissertation on the subject (Michalek, Stanislaw. Kandidatskaya dissertatsiya, MIFI, MOI, Moscow, 1961). The motion of a particle in vacuum and in a medium is formulated and the relative contribution to radiation on the part of the field resulting from the particle motion in a medium is discussed. The data are applied to radiative transition in silver and in an ideal metal. The results for these two metals show that the increase in radiation intensity is due to the field that resulted from the particle motion in the metal. The relative contribution of this field to the radiation de-

Card 1/2

MICHALAK, Stanislaw, mgr

Conference on the subject of the northern part of the Raciborz
region. Problemy 19 no.4:269 '63.

MICHALAK, Jerzy

Gerontological problems in surgery. Wiad. lek. 18 no.10:
835-837 15 My '65.

1. Z II Kliniki Chirurg. AM w Iublinie* (Kierownik: prof.
dr. med. F. Skubiszewski).

STANISLAW MICHALAK

H-13d

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

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12106.

Author : Bronislaw Mankowski, Stanislaw Michalak.

Inst : Not given

Title : Light Concretes.

Orig Pub : Mater. budowl., 1957, 12, No 7, 210 - 215.

Abstract : The basic characteristics of light concretes (LC) and their advantages are discussed. A detailed review of the development of LC production in Poland is presented. Mean annual and monthly data concerning the property indices (strength and specific weight) of produced LC-s are quoted.

Card 1/2

MICHALAK, S.

POLAND/Nuclear Physics - Installations and Instruments.
Methods of Measurement and Research.

C-2

Abs Jour : Ref Zhur - Fizika, No 4, 1957, 8531

Author : Michalak, S., Zawadzki, A.

Inst : University of Lodz, Poland.

Title : Charge in the Pulse as a Function of the Overvoltage of
a Geiger-Mueller Counter with Metallic and Glass Cathode.

Orig Pub : Acta phys. poton., 1956, 15, No 1, 63-70

Abstract : The purpose of the work is determine for Geiger-Mueller
counters the coefficient proportionality (K) between
the magnitude of the charge in the pulse and the excess
voltage above threshold. From the Wilkinson theory it
follows that the above coefficient can be represented
in the form $K = AC$, where C is the capacitance of the
counter, A a constant depending on the diameter of the
wire anode of the counter. It was found that this de-
pendence is correct both for counters with internal
metallic cathodes, as well as for counters with external
cathodes.

Card 1/1

ILLEGIBLE

MICHALAK, S.

4
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1-RMZ

11205* (Lengthened Levels of Geiger-Müller Counter With Glass Cathodes.) L'allongement de paller des compteurs GM a cathode en verre. S. Michalak, H. Mowczan, and A. Zawad. Acta Physica Polonica, v. 18, no. 2, 1959, p. 145-149. Comparison of Maze type with counters having internal metal cathode. Graphs, diagram. 7 ref.

Rm 2-11

MICHALAK, Mieczyslaw

Amendments in the rehabilitation system for eye invalids in Poland.
Praca zabezp spol 4 no.1:31-33 '62.

1. Prezes Zarzadu Glownego Polskiego Związku Niewidomych.

OLSZEWSKA, Maria J.; MICHALAK, Krystyna

Influence of kinetin upon the quality and disposition of mitoses in the radical meristem of *Allium cepa*. *Nauki matem przyrod Lodz* no.12:101-106 '62.

1. Katedra Anatomii i Cytologii Roslin, Uniwersytet, Lodz.

*

ROSSINSKI, Boleslaw; JESKE, Tadeusz; MICHALAK, Jerzy (Lodz)

Experimental analysis of the form of slip surfaces with
consideration of the reaction of cohesionless soils. Archiw
inz lad 8 no.2:203-217 '62.

KUBIAK, Marian; ROGALINSKI, Kamil; MICHALAK, Jerzy

Changes in the physical and mechanical properties of poplar wood (*Populus marilandica* Bosc.) under the influence of *Poria vaporaria* (Pers/Fr.) fungus. Sylwan 106 no.3:25-39 '62.

SKUBISZEWSKI, Feliks; MISIUNA, Pawel; MICHALAK, Jerzy; OLEWINSKI, Tadeusz

Prostatic adenoma. Pol. tyg. lek. 19 no.28:1094-1096
13 - 20 J1'64

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Lublinie;
kierownik: prof. dr. med. Feliks Skubiszewski.

MICHALAK, J.

Spindle tree, the rubber-producing bush. p. 21. (LAS POLSKI. Vol. 26, no. 3, Mar. 1952.

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

NICHALAK, JERZY

Trzmielina; krzew gutaperkowy. Warszawa, Państwowe Wydawn. Rolnicze i Leśne,
1952. 63 p. [Evonymus; a gutta-percha shrub]

DA

Not in BIC

SO: Monthly List of East European Accessions (EEAI) IC. Vol. 6, No. 10, October 1957, Incl.

MICHALAK, H.

Standardization of clothing elements and its influence on the fulfillment of the production tasks. p. 39.
ODZIEZ, Lodz. Vol. 7, no. 2, Feb. 1956.

SOURCE: East European Acession (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

MICHALAK, H.

Industrial methods of cutting, p. 8. (ODZIEZ, Lodz, Vol. 6, no. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,
Uncl.

KURATOWSKA, Zofia; KOWALSKI, E.; LIPINSKI, B.; MICHALAK, Eligia

Preparation of the erythropoietic factor from human blood plasma.
Acta biochim. polon. 9 no.3:189-197 '62.

1. Department of Health Protection, Institute of Nuclear Research,
Warszawa.

(ERYTHROCYTES) (HEMATOPOIESIS)