

CHOLAVIN, G.I. [Cholavin, H.I.], traktorist, deputat Verkhovnogo soveta
~~UkrSSR~~

Let new beacons light! Mekh. sil'. hosp. 14 no.4:4-5 Ap '63.
(MIRA 16:10)

1. Kolkhoz "Ukraina" Sokol'skogo rayona L'vovskoy obl.

CHOLEVA, B.

On the nematode fauna of some plants in Bulgaria. Izv biol med BAN
3 no.3:151-159 '59. (EEAI 10:4)
(BULGARIA--NEMATODA)

CHOLEVA, B., biolog

Nematoda, dangerous enemies of plants. Priroda Bulg 10 no.6:67-72
'61.

1. M-vo na zemedelieto.

Choleva, J.

Requirements concerning the quality of sheet metal used for the
production of steam boilers and pressure vessels. p. 263.
HUTNIK. (Ministerstvo hutniho prumyslu a rudnych dolu) Praha.
Vol. 4, no. 9, Sept. 1954.

Source: EEAL IC Vol. 5, No. 10 Oct. 1956

CHOLEVA, J.

Improved method of heat treatment for RENA pipes in the Klement Gottwald
Ironworks in Vitkovice. p. 156.
(HUTNIK, vol. 5, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

CHOLEVA, J.

Rolling mills for sheet metal in the Klement Gottwald Ironworks
in Vitkovice fight for the elimination of defective products. p.312
ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava
elektraren) Praha. Vol. 5, no. 5, May 1955

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

CHCLEVA, J.; NYSLIVEC, T.

Problem on heterogeneity and two-strata boiler and construction sheets. p. 263.

Vol. 5, no. 9, Sept. 1955
HUTNIK
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

CHOLEVA, J.

The chemical and structural nonhomogeneity of thick rimmed steel plates.

p. 298 (HUTNIK) Vol. 7, no. 9, Sept. 1957,
Prana, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

CHOLEVA, J.

TECHNOLOGY

Periodicals: HUTNIK Vol. 9, No. 1, Jan 1959

CHOLEVA, J.: ZIDEK, M. Effect of temperature on properties of thick plates after rolling and normalizing. p. 7.

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

PJTERA, Aleksander; HRYNIEWIECKI, Tadeusz; CHOLEWA, Jan

2 cases of primary pulmonary hypertension. Pol. tyg. lek.
20 no.39:1465-1467 27 S '65.

1. Z I Kliniki Chorob Wewnętrznych AM w Lublinie (Kierownik:
prof. dr. med. Mieczysław Kedra) z Katedry Kardiologii
Studium Doskonalenia Lekarzy AM w Warszawie (Kierownik: prof.
dr. med. Edward Zera) i z Zakładu Anatomii Patologicznej AM
w Lublinie (Kierownik: doc. dr. med. Marian Rozynek).

CHOLEWA, E.

DECEASED

POLAND / Physical Chemistry. Surface Phenomena. B
Adsorption. Chromatography. Ion Exchange.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 63944

Author : Cholewa Edward

Inst : Not given

Title : The Influence of the Rate of Eluent Flow During
Chromatographic Analysis of Cations on Paper.

Orig Pub: Roczn. chem., 1957, 31, No 2, 727-728

Abstract: It is shown that during paper chromatography with the use of a complex eluent, a partial division of the latter into components results, in view of which its flow can decrease the magnitude of R_f during an increase of its rate. Investigations were conducted with Co^{2+} , Cr^{3+} , Mn^{2+} , Cu^{2+} , with the application of a mixture of acetone, water and HCl in the role of the eluent.

Card 1/1

12

DECEASED

CHOLEWA, Edward; ROKOSZ, Andrzej

An accidental error in determining the paper chromatography of cations. Chem anal 4 no.5/6:795-802 '59. (EEAI 9:9)

1. Katedra Chemii Nieorganicznej Uniwersytetu Jagiellonskiego, Krakow
(Chromatography) (Cations)

CHOLEWA, Edward (1908-1962); Obituary. Wiad chem 17no. 7: 391-394; JL '63.

CHOLEWA, E.

The management of leather in the footwear industry. p.127
(PRZEGLAD SKORZANY, Vol. 12, No. 5, May 1957, Lodz, Poland)

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

CHOLEWA, L.

Dependability of blood count based on variations of the leukocyte count. Polski tygod.lek. 5 no.2:41-49 9 Ja '50. (CIME 19:2)

1. Of the First Clinic for the Internal Diseases, Jagiellonski University, Krakow (Head -- Prof. Leon Tochowicz, M.D.).

(Article-1822)

Chorob Wewnetrznych A.M. w Krakowie. Zaburzenia czynnosci ukkladu nerwowego w przebiegu niedokrwistosci zkosliwej Disturbances of the nervous system in the course of pernicious anaemia Polsk. Tyg. Lek. 1951 6/42 (1369-1374)

Of 24 patients with pernicious aneamia treated during the last 3 years nervous disturbances were observed in 10 cases, cerebral one in 6 cases and those of spinal origin in 4 cases with very severe spinal changes a good effect unexpectedly followed the administration of large doses of vit. B 12.

Authors

Source: EXCERPTA MEDICA Vol. 5 No. 5 Section VIII May 1952

GHOLEWA, Leon, Krakow

Rice diet in the therapy of hypertension, 4 years of experience.
Prsegl. lek. Krakow 10 no.12a:382-385 Dec 54.

1. Z I kliniki chor. wewn. A.M. - kierownik prof. dr. L.Tochowicz
(HYPERTENSION, therapy
rice diet)
(DIETS,
rice diet ther. of hypertension)
(RICE
diet in ther. of hypertension)

TOCHOWICZ, Leon; CHOLEWA, Leon

Collagen disease; observations on its clinical significance.
Polskie arch.med.wewn. 25 no.2:311-328 '55.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie. Kierownik:
prof. dr med. L. Tochowicz I Klinika Chorob Wewnętrznych A.M.
Krakow, ul. Kopernika 17.
(COLLAGEN DISEASES,
clin. aspects)

KROL, Wladyslaw; CHOLEWA, Leon

Water heart test in hypertension. Polskie arch. med. wewn.
26 no.4:561-570 1956.

1. Z I Klin. Chor. Wewn. AM w Krakowie, Kier. prof. dr. med.
L. Tochowicz, I Klin. Chorob. Wewn. AM w Krakowie, ul. Kopernika
17.

(HYPERTENSION, physiology,
water intake-excretion ratio in moderate exercise (Pol))
(CARDIOVASCULAR SYSTEM, function test,
water intake-excretion ratio in moderate exercise
in hypertension (Pol))

EXCERPTA MEDICA Sec 5 Vol. 11/8 Gen. Pathology Aug 58

1882. INFLUENCE OF THE SERUM OF CANCER PATIENTS ON THE DEVELOPMENT OF CHICKEN EMBRYOS - Wplyw surowicy chorych na raka na rozwój kurzych zarodków - Cholewa L. 1. Klin. Chor. Wewn. A. M., Kraków - POL. TYG. LEK. 1957, 12/24 (929-932) Tables 1

A total of 195 fertilized chicken eggs were used for these experiments. After 3-4 day maintenance of the eggs in the incubator, 0.5 ml. of human serum from persons with neoplastic diseases (acute myeloid leukaemia, chronic lymphoid leukaemia, carcinoma of the stomach, ovary and lung) were introduced into 82 eggs; 0.5 ml. of serum from persons with other diseases (hypertension, myocardial lesions) were introduced into 35 eggs, and 0.5 ml. of saline solution were introduced into 36 eggs; 42 eggs were left intact. Among the 153 eggs treated the number of hatched chickens amounted to 31 (15.8%), among the eggs left intact there were 11 chickens (26.2%). The low percentage of chickens hatched in both groups is attributed to the fact that the experiments were performed in June, i.e., in the period when the biological and reproductive potentiality of the species is reduced. The experiments showed no specific effect of cancer sera. Though this group included 7 chickens (8.5%), i.e., less than the group of intact eggs (26.3%), its number of chickens exceeded that of the group with serum from cancer-free persons or with saline solution. This fact points to the deleterious effect of human protein on embryo development.

Albert - Wrocław (V, 16)

CHOLEWA, Leon

CHOLEWA, Leon (Krakow, ul. Kopernika 17 I Klinika Chorob Wewnetrznych A. M.)

Incidence of stenosis of the isthmus of the aorta. Polski tygod. lek.
12 no.49:1885-1888 9 Dec 57.

1. (Z I Kliniki Chorob Wewnetrznych A. M. w Krakowie; kierownik: prof.
dr Leon Tochowicz)

(COARCTATION OF AORTA, statist.
of isthmus (Pol))

GHOLEWA, Leon

Value of the concept of collagen diseases to research & clinical observations. Polskie arch. med. wewn. 28 no.6:931-936 1958.

1. Z I Kliniki Chorob Wewnętrznych A. M. w Krakowie. Kierownik: prof. dr med. Leon Tochowicz. Adres autora: Krakow, Kopernika 17, Klinika Chorob Wewn. A. M.

(COLLAGEN DISEASES

value of concept to research & clin. practice (Pol))

CHOLEWA, Leon; PASYK, Stanislaw

Value of Lassus' test in the diagnosis of pancreatic diseases.
Polski tygod. lek. 16 no.39:1492-1493 25 S '61.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Krakowie; kierownik:
prof. dr Leon Tochowicz.

(PANCREAS dis) (SULFATES)

CHOLEWA, L.

POLAND

CHOLEWA, Leon and GORSKI, Ludwik, First Clinic of Internal Diseases (I Klinika Chorob Wewnętrznych), AM [Akademia Medycyna, Medical Academy] in Krakow (Director: Prof. Dr. Leon TOCHOWICZ)

"Delayed Excretion of Sodium Fluoresceinate in Patients with Malignant Tumors."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 48, 26 Nov 62, pp 1839-1862.

Abstract: [Authors' English summary modified] Details are given of a study of fluoresceine excretion, and the results discussed with respect to its significance to the diagnosis and study of malignant tumors, as well as the effects of various treatments. Of the nine references, one is Polish, four German, and four English.

1/1

CHOLEWA, Leon; KONTUREK, Stanislaw

Tetracycline fluorescence in the diagnosis of malignant neoplasms.
Pol. tyg. lek. 17 no.49:1897-1900 3 D '62.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie; kierownik: prof. dr
Leon Tochowicz.

(NEOPLASMS)

(TETRACYCLINE)

(FLUORESCENCE)

CHOLEWA, Leon; NOSEK, Henryk

Anemia in cancer of the stomach. Nowotwory 12 no.4:269-279 '62.

1. Z Instytutu Onkologii Oddział w Krakowie Dyrektor: doc. dr med.
H. Kolodziejska i z I Kliniki Chorob Wewnętrznych AM w Krakowie
Kierownik: prof. dr med. L. Tochowicz.

(STOMACH NEOPLASMS)

(ANEMIA)

CHOLEWA, Leon; GORSKI, Ludwik

Delayed sodium fluoresceinate excretion in patients with malignant tumors. Pol. tyg. lek. 17 no.48:1859-1862 26 0 '62.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie; kierownik: prof. dr Leon Tochowicz.

(FLUORESCINEINS)

(NEOPLASMS)

CHOLEWA, Leon; KOBIELA, Jan; KOCEMBA, Jozef; LANKOSZ, Jan

Advanced hemolytic anemia with atypical agglutination. Pol.
tyg. lek. 19 no.3:107-109 . 20 Ja'64

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie (kierownik:
prof.dr. Leon Tochowicz) i z Zakładu Medycyny Sadowej AM w
Krakowie (kierownik: doc.dr. Jan Kobiela).

*

KONTUREK, Stanislaw; CHOLEWA, Leon; OLEKSY, Wlodzimierz

Tetracycline test in gastric carcinoma. Nowotwory 15 no.1:
17-22 Ja-Mr'65.

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w
Krakowie (Kierownik: prof. dr. med. L. Tochowicz) i z
Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med.
H. Kolodziejska).

CHOLEWA, M.

CHOLEWA, M. Great forest of Labow.
p. 11, No. 12, Dec. 1956
Warszawa, Poland
Turysta

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4—April 1957

CHOLFWA, R.

Private building industry on state farms.

P. 13, (Budowietwo Weiskie, Vol. 9, no. 10, Oct. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. vcl. 7, no. 2,
February 1958

CHOLEWA ST.

Wybrane zagadnienia metodyczne do nauczania górnictwa (Chosen methodical problems for teaching mining) by St. Cholewa. Reported in New Books (Nowe Książki.) March 1, 1956.

CHOLEWICKI E ZYNSKI

32

Warsaw, Weterynaryjne, Vol 10, No 4, April 1962.

- 8. "Determination of the Global Artificial Radioactivity in the Bones of Slaughter Animals in 1959 and 1960." Yaroslav ZEMEC of the Chair for Hygiene of Animal Products (Katedra Higijeny Produktow Zwierzecy) of the Faculty of Veterinary Science at SGGW at Warsaw (Director: Prof. Dr. Jan HAJT); pp 212-215 (English summary).
- 9. "The Polish Portable Telescope 'N. Tr' for Field Work." Włodaw ALIJSKI; p 210.
- 10. "Collected Problems of Diseases of Calves." Karl Jan HUSCICKI; pp 216-219.
- 11. "A Case of Parturient Paresis in a Cow in the Eighth Month of Pregnancy." Jan KRZYŻAKOWSKI; pp 219-220.
- 12. "Two Cases of Coryza Serpentina bovum." Antoni CHOLEWA HUSCICKI of the PZL (Farmoway, Zaklad Lekarskiy-MIKROBIOLOGI, State Animal Hospital) at Kłomno; p 220.
- 13. "Parasitologia Cyt in a Dog." Ryszard DUDURA and Edgitar Kucharski of the Institute of Veterinary Science at Kłomno, Chair of Agricultural (VSR) at Wrocław (The Honor. Docent Dr. Ryszard DUDURA) and of the Chair of Pathological Anatomy (Katedra Anatomii Patologicznej) of the Faculty of Veterinary Science at the VSR at Wrocław (Director: Prof. Dr. Aleksander ZARZYŃSKI); pp 221-222.
- 14. "Insemination In Fev." Franciszka OLSZCZYŃSKA; pp 222-227.
- 15. "Kretek of Fenaceli on the Sexual Cycle of Female Rabbits." O. OLSZCZYŃSKA, A. Kucharski, Z. Gładki, K. Kopyc, J. Olszewski, A. Kucharski, O. Zbor, J. Olszewski, A. Kucharski, A. Kucharski and J. Olszewski. Members of the Faculty of Veterinary Science and members of the Science Club (Klub Naukowy) of the Chair of Obstetrics (Katedra Polownicztwa) of the VSR at Wrocław (Director: Prof. Dr. A. SHTIS); pp 227-229.
- 16. "Attempts to Feed Horses with Surrogates." Zdzisław HAJT Hajt; pp 229-232.

CHOLEWICKA-GOZDZIK, Krystyna

The modern home interior an economic necessity. Przem drzew 12 no.12:
14-16 '61.

(Furniture)

LEWICKI, Bohdan, doc. dr.; CHOLEWICKI, Andrzej, mgr inż.

Rain chamber tests of tightness of joints in large-panel walls.
Inst tech bud biul inf no.17:52-57 '64.

1. Department of Concrete and Ferroconcrete Structures and of
Industrial Building of the Institute of Civil Engineering, Warsaw.

CHOLEWICKI, T.

Matrices of symmetrical components, p. 231. (ARCHIWUM ELEKTROTECHNIKI, Warszawa, Vol. 3, no. 2, 1954.)

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

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CHOLEWICKI, TADEUSZ

"Matrix analysis of linear circuits"

p. 281 (Panstwowe Wydawn. Naukowe, 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

CHOLEWICKI, Tadeusz, prof.

"Introduction to the theory of electric engineering" by
K. Kipfmüller. Reviewed by Tadeusz Cholewicki. Przegl
elektrotechn 39 no.4:165-167 Ap '63.

CHOLEWICKI, Tadeusz, prof.

Rationalization of physical quantities or their units. Przegl
elektrotechn 39 no.11:419-423 N '63.

CHOLEWICKI, Tadeusz, prof.

Letter symbols for time varying quantities and the complex
representation of quantities. Przegl elektrotechn 39
no.12:475-477 D'63.

CHOLEWICKI, T.

A new method of calculating currents and voltages in a long transmission line. Archiw elektrotech 13 no.2:339-351 '64.

1. Department of Electrical Engineering, Technical University, Warsaw. Submitted February 20, 1963.

...itation of the security...

ACCESSION NR: A P5018364

the conditions assumed, the square matrix A is a singular matrix.

CHOLEWINSKA, B.

"Using turf and soil in pots for the early production of vegetables." (p. 30).
NOWE ROLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Vol 3, No 2,
Feb. 1954.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

CHOLEWINSKA, B.

CHOLEWINSKA, B. Pomidory. Wyd. 2. popr. i uzup. Warszawa, Państwowe
Wydawn. Rolnicze i Lesne, 1955. 213 p. (Tomatoes. 2d enl. and rev. ed.)
DA Not in DLC

AGRICULTURE
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

CHOLEWINSKA, Bronisława

Yield fluctuations of vegetable crops. Biul warzyw 7:5-29 '63.

1. Department of Vegetables, Institute of Cultivation,
Fertilization, and Soil Science, Pulawy.

CHOLEWINSKA, Bronislawa; KOSTECKA, Barbara

Analysis of the production costs of greenhouse tomatoes on a state vegetable farm during the years 1958/59-1960/61. Biul warzyw 7:131-151 '63.

1. Economic Laboratory, Department of Vegetables, Institute of Cultivation, Fertilization, and Soil Science, Pulawy.

CHOLEWO, JAN

Technology

Mosty Kolejowe. Warszawa, Wydawn. Komunikacyjne, 1958. 746 p. (Railroad bridges.)

Monthly List of East European Acquisitions (EEAI), LC, Vol. 8, No. 3, March 1959
Unclass.

BAZHANOVA, Ye.V.; CHOLGANSKAYA, V.L., ~~gtv.~~red.; RYCHKOVA, N.P., red.
izd-va; SMIRNOVA, A.V., tekhn.red.

[Labor productivity and production costs in U.S.S.R. agriculture after the Great Patriotic War; bibliography of books and magazine articles for 1945-1957] Problemy proizvoditel'nosti truda i sebestoimosti produktsii v sel'skom khoziaistve SSSR posle Velikoi Otechestvennoi voiny; bibliograficheski ukazatel' knig i zhurnal'nykh statei za 1945-1957 gg. Sost. E.V.Bazhanova. Moskva, Izd-vo Akad.nauk SSSR, 1959. 160 p.

(MIRA 12:11)

1. Akademiya nauk SSSR. Fundamental'naya biblioteka obshchestvennykh nauk. (Agriculture--Labor productivity--Bibliography)
(Bibliography--Agriculture--Labor productivity)(Agriculture--Costs--Bibliography)
(Bibliography--Agriculture--Costs)

CHOLIK, V.I.

Operation of the DdS fidduser in a Polish sugar factory (from "Gazeta
cukrownicza," no.7, 1960). Sakh. prom.2:72-74 F '61. (MIRA 14:3)
(Poland--Sugar machinery)

CHOLINSKI, S.

"Investigation Made by the Institute of Construction Technique in the Field of Building Apartment Houses." P. 220. (PRZEGLAD BUDOWLANY, Vol. 26, No. 7, July 1954, Warszawa, Poland)

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

CHOLINSKI, S.

Partitions of gypsum plates, p. 41. (MATERIALY BUDOWLANE, Warszawa, Vol. 10, no. 2, Feb. 1955.)

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

CHOLINSKI, S.

CHOLINSKI, S. Bricks, blocks, hollow bricks, and slabs from local materials.
p. 431

Vol. 13, no. 11, Nov. 1956
INZYNIERIA I BUDOWNICTWO
POLITICAL SCIENCE
Warsqawa, Poland

So: East European Accession Vol. 4, No. 3, March 1957

CHOLINSKI, STANISLAW

Budynki z tworzyw cementowoglintanych. (Wyd. 1)

Warszawa, Poland. Arkady. 1958. 84 p.

Monthly List of East European Accessions (EEAI) 10, Vol. 8, no. 8
August 1959.

Uncl.

BANY, Bogdan, mgr. inż.; CHOLINSKI, Stanisław

Clay constructions in the light of the research and experiences
of the Institute of Construction Technology. Mat bud i ich zastosow.
no.17:1-96 '62.

1. Instytut Techniki Budowlanej, Warszawa.

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CHYTIL, M.; VALEK, A.; VALKOVA, M.; FIALOVA, V.; CHOLINSKY, K.

Effects of upright position on hemodynamics & renal function in glomerulonephritis. Sborn. lek. 60 no.12:361-369 Dec 58.

1. II interni klinika fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof. dr. Frantisek Herles.

(GLOMERULONEPHRITIS, physiol.

eff. of upright position on hemodynamics & renal funct. (Cz))

(BLOOD CIRCULATION, in various dis.

glomerulonephritis, eff. of upright position on hemodynamics (Cz))

(POSTURE, eff.

upright position on hemodynamics & renal funct. in glomerulonephritis (Cz))

(KIDNEYS, physiol.

eff. of upright position in glomerulonephritis (Cz))

SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; Laboratorni spoluprace: ZLOCHOVA, A.;
ZELENKOVA, I.; BAMBASOVA, Z.

Excretion of osmotically active cells in the course of maximum
water diuresis in man. Cas. lek. cesk. 103 no.46:1265-1270
13 N '64.

1. Vyzkumny ustav experimentalni terapie v Praze, (reditel prof.
dr. O. Smahel, DrSc.) a Interni katedra Ustavu pro doskolovani
lekaru v Praze (vedouci prof. dr. O. Smahel, DrSc.).

SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; STRIBRNA, J.

The effect of aminophylline on the renal elimination of water
and of osmotically active substances during water diuresis.
Cas. lek. cesk. 104 no.30:805-808 23 J1 '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra
Ustavu pro doskolovani lekaru v Praze (reditel prof. dr.
O. Smahel, DrSc.).

STRIBRNA, J.; SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; ROSOL, Z.

The effect of polythiazide on the renal elimination of water and on osmotically active substances during water diuresis. Cas. lek. cesk. 104 no.30:809-812 23 JI '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra Ustavu pro doskolovani lekaru v Praze (reditel prof. dr. O. Smahel, DrSc.) a Ustav klinicke fyziologie lekarske fakulty hygienicke Karlovy University v Praze (reditel prof. dr. J. Skladal).

L 15791-66 EWT(1)/T JK/JXI(cz)
ACC NR: AP6003476

SOURCE CODE: UR/0242/65/000/008/0066/0067

AUTHOR: Mevzos, M. P.; Baramykova, L. A.; Bgasheva, V. S.; Mevzos, L. M.; Cholok-hov, V. D.

ORG: Tashkent Oblast sanepidstantsiya (Tashkentskaya oblastnaya sanepidstantsiya)

TITLE: Pappataci fever in Tashkent Oblast

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 8, 1965, 66-67

TOPIC TAGS: epidemiology, disease incidence, virus disease, clinical medicine

ABSTRACT: An outbreak of pappataci fever which occurred in Begovat, Tashkent Oblast in the summer of 1963 is described. The last known outbreak in this area had occurred in 1946. At first the disease was diagnosed as influenza because of the similarity of symptoms. However, some of the patients had scars from mosquito bites and did not exhibit any upper respiratory symptoms, lung inflammations or enlargement of spleen or liver. Epidemiologically, the disease was not confined to any particular age group, did not run in families or other groups nor could it be connected with agricultural work or with swimming in open waters. The presence of pap-

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L 15791-66

ACC NR: AP6003476

pataci flies in this area suggested the possibility of pappataci fever, a suspicion later confirmed by virological studies. The source of the infection is thought to be the numerous animal burrows found in the surrounding uncultivated land. To prevent future outbreaks it is suggested that the responsible republic institutes devote their efforts to the elucidation of the natural sources of infection and to the study of diagnostic techniques for careful differentiation of pappataci fever from influenza and other similar diseases.

SUB CODE: 06/

SUBM DATE: 28May64/

ORIG REF: 000/

OTH REF: 000

Card 2/2 *7/17/5*

PROCESSES AND PROPERTIES INDEX

17

Copaanthin, *L. Coccolony*. *Magyar Chem. Folyirat* 36, 11-6, 17-25 (1930).
 The ground pericarp (3 kg.) is percolated with light petroleum (2 l.), the ext. dild. with 1 l. of H₂O, and left overnight in contact with 80% MeOH-KOH (200 cc.). The crystals which sep. are dissolved in 2 l. of H₂O, the soln. being repeatedly washed with water and dried with Na₂SO₄. After evapn. to 500 cc., 1.5 l. of light petroleum is added, the yield of coloring matter pptd. being 3.9 g. The product is recrystallized from MeOH. B. C. A.

ASS. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

EXTRACTED FROM

SOURCE NUMBER

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

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Chemical Abstracts

1318784 NUMBER 23

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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NM NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VV VW VX VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

ad

Chemical examination of the red pigments of some autumn fruits. LAZAR ZACHAROWICZ AND LAZAR CHOLNOKY. *Matematika i Termodynamika* 67, 209-17 (German abstract 278)(1930)-R. C. A. 24, 3023, 4361 - Sixty kg. of *Lycium halimifolium* gave 17 g. of a crystal. pigment, the compn. of which was found to be $C_{11}H_{14}O_2$; it is identical with the physalene of Kuhn and Wiegand. No secondary pigments were found. Fruits of *Tamas communis* contained lycopine, also fruits of *Solanum dulcamara*. Arillus of *Eronium europaeus* contained a xanthophyll-like pigment of the compn. $C_{28}H_{44}O_4$. Examn. of other fruits, e. g., *Arum maculatum* and *Sorbus aucuparia* is in progress. S. S. DE PINALE

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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NM NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VV VW VX VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

ASB-51A METALLOGICAL LITERATURE CLASSIFICATION

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17

ca

Lycopin. I. CHOKROBY. *Magyar Gyógyszerészet. Tavaszi Értesítője* 7, 95-107 (1931).—Lycopin was extd. from *Tamas communis* and *Solanum dulcamara*. The crude product was purified by recrystn. from CS₂-petroleum ether. Combustion of this product gave 89.23-89.43% C and 10.63-10.84% H (theoretical compn. of C₄₀H₅₆, 89.48% C and 10.52% H). The mol. wt. detd. ebullioscopically in CHBr₃ 649, agreeing with Montanari's result obtained in benzene (cf. *Lezioni sperimentali agrarie italiane* 37, 909 (1904)). *Tamas lycopin* m. 170°. *Solanum lycopin* m. 174°. No secondary pigments could be found. The data in the botanical literature should be corrected, since the above plants contain lycopin only. S. S. DE FINKLY

METALLURGICAL LITERATURE CLASSIFICATION

11E

PROCESSES AND PROPERTIES INDEX

The petal pigment of *Casuarina omissans*. László Zschmeister and László Cholnoky. *Matematik. Természettud. Értesítő* 49:181-8(1932).—Extn. of the petals with alc. and sapon. of the ext. with MeOH-KOH gave xanthophylls, carotene and lycopene; the last was found for the first time in non-fruit material. Carotene has spectrum lines at 530-13 and 495-8 m μ , [α]_D²⁰ (benzene) 20°. Lycopene has spectrum lines at 554-38, 516-497 and 482-67 m μ . The xanthophyll showed lines at 510-493 and 481-03 m μ ; its ether soln. when underlayered with a 25% HCl soln. gave a beautiful dark blue color. S. S. de Finály

METALLURGICAL LITERATURE CLASSIFICATION

GROUP	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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11E

EA

Examination of the pigments of *Capsicum annuum* by adsorption methods. László Cholnoky. *Magyar Gyógyszerészet. Tűrsaság Értelmeje* 9, 400-23(1933).—Crude capsanthin (0.2 g.) extd. with lukewarm CS₂ gave 0.33 g. of substance A; at 0° 5.1 g. substance B was produced. Chromatograms are shown. A consisted of 70% zeaxanthin and 21% capsanthin. B after 3 crystals gave 3.2 g. of a product consisting of 87% capsanthin and 9% zeaxanthin. Further crystals from MeOH and CS₂ gave a product contg. 95% capsanthin and 2.5% zeaxanthin. Artificial mists of capsanthin and zeaxanthin could be sepd. by a simple adsorption. Pure zeaxanthin, C₄₈H₆₄O₄, yellow glittering needles, m. 200, [α]_D²⁰ -54°, gave spectrum lines at 527-508 and 492.5-473 mμ. Lutein, C₄₀H₅₆O₂, glittering carotene-like crystals, m. 192, [α]_D²⁰ 163°, gave spectrum lines at 516.5-500 and 485-67 mμ. Capsanthin, m. 174.5-176°, [α]_D²⁰(CHCl₃) -63-68, gave spectrum lines at 532, 504-532, 533, 513 and 514-493 mμ. For analysis of paprika pigments, ext. 2.5-5 g. powder drug with petr. ether, add 10 cc. 10% KOH-MeOH and saponify at 40-50°. Wash in a sepg. funnel with 100 cc. ether, dry and evap. *in vacuo*. Dissolve in CS₂ and adsorb on CaCO₃. The polyene alcs. are adsorbed and carotene is washed out. One kg. dry drug gave 0.5 g. carotene, 1.3 g. capsanthin and 0.6 g. xanthophyll (= lutein + zeaxanthin). S. S. de Finály

ASB-35A METALLURGICAL LITERATURE CLASSIFICATION

GROUPS: 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

SECTIONS: 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

CHARACTERISTICS: 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

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH ORDERS

C

12

Colorimetric determination of the coloring matter of paprika. *László Csobosky. Magyar Chem. Folyóirat 39, 82-6(1933).*—Carotene can be sepd. from other coloring matter by the method of Willstätter-Kraus-Sorby. Also polyene alcohols, capsanthin, lutein and zeaxanthin can be sepd. and detd. on basis of the adsorption theory of Kuhn by using a 0.1% alc. soln. of azobenzene as stand-ard. The pericarp of Hungarian paprika contained 1.1 g. capsanthin, 0.85 g. xanthophyll and 0.50 g. carotene per kg. S. S. de Finály

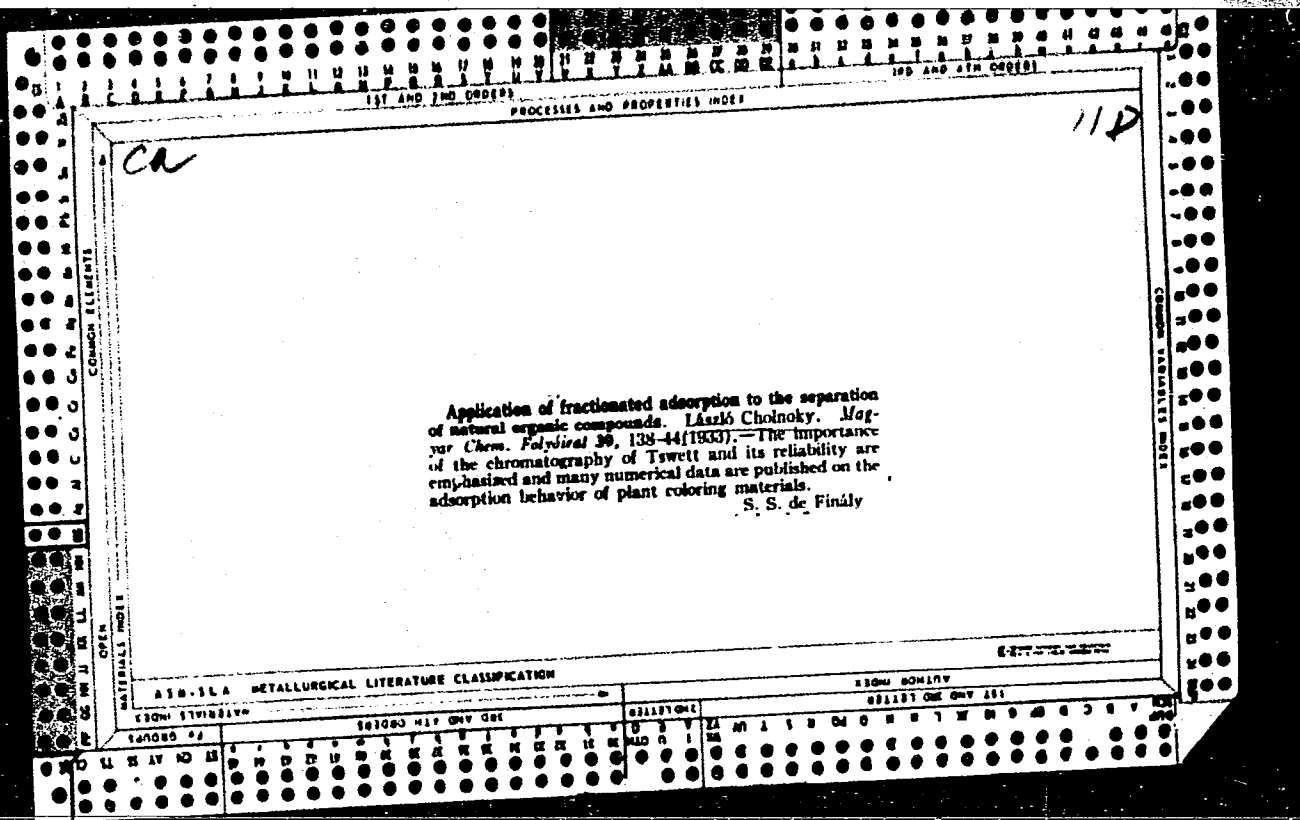
A 58-51 A METALLURGICAL LITERATURE CLASSIFICATION

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COMMON ELEMENTS

COMMON STABILITY INDEX

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS



Ca

12

PRODUCTION OF CRYPTOXANTHIN FROM PAPRIKA. László Csizmadia, *Magyar Chem. Folyirat* 40, 85 (1934); cf. C. A. 28, 5462. --Cryptoxanthin, found by Kohn and Grumman in *Physalis* fruits (C. A. 28, 10137), was extracted by "chromatographic adsorption." Twenty mg. was obtained from 200 g. pericarp of ripe paprika. Also, other pigments were found. S. S. de Finafy

ASAC-ISA 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

1ST AND 3RD ORDERS 2ND AND 4TH ORDERS

COMMON ELEMENTS

COMMON VARIABLES INDEX

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ca

12

The pigments of Hungarian paprika and their vitamin A effects. *László Cholnoky, Kísérleti Közlemények 40, 173-80(1937).*—Ripe red paprika contains the pigments capsanthin, capsorubin, zeaxanthin, cryptoxanthin and β -carotene, with traces of lutein and α -carotene. Capsanthin ranged in 1 kg. pericarp from 2.19 to 3.49 g.; capsorubin from 0.42 to 0.98 g. Total pigment content varied between 4.07 and 5.49 g. The "capsaicin-free" variety contained 0.70-3.19 g. capsanthin, 0.17-0.62 g. capsorubin and 1.76-5.30 g. total pigments. Late harvested paprika is a more valuable source of provitamin A. Powd. red paprika seems to be a very rich source of vitamin A, each g. of it contg. 400-1300 I. U. provitamin A. Decrease of pigment content during 1 yr's. storage does not exceed 15%. To sep. and det. the paprika pigments weigh 0.5-1.5 g. powd. paprika in a 50-cc. flask, pour into a funnel closed by a 3-5-mm. layer of cotton and wash the paprika grains remaining within the flask with a few drops of gasoline into the funnel. Ext. with hot gasoline in 10-cc. portions. About 100-150 cc. gasoline is wanted for each extn. Sep. the individual pigments from this soln. by means of Tswett adsorption. A CaCO_3 column serves to adsorb the red pigments (capsorubin and capsanthin) and a Ca(OH)_2 column located under the CaCO_3 column is used to bind the esters of zeaxanthin and cryptoxanthin, and of carotene. Constituents of the chromatogram can be sepd. and quant. extd. by alc. The detn. of the colors is followed in a Leitz colorimeter with an alc. soln. of azobenzene (according to Kuhn) as a standard. The method is accurate to within 5% (excepting for capsorubin, for which the error limit is 10%). S. S. de F.

OPEN

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ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

TECHN. SCHWING

TECHN. SCHWING

1ST AND 3RD ORDERS 2ND AND 4TH ORDERS

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LIST AND FIND ORDERS

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12

CA

Carotenoids of Hungarian wheat flour. L. Zechmeister and L. Cholnoky. *J. Biol. Chem.* 135, 31-6(1940).-- Unbleached wheat flour from southern Hungary is valueless as a provitamin A source since it contains no more than 0.01 mg. of carotene per kg., if any, and is free from cryptoxanthine. Xanthophyll (lutein) is practically the only polyene present. By repeated application of the chromatographic method, 15 mg. of pure xanthophyll crystals was isolated from 60 kg. of flour. A. P. Lothron

COMMON ELEMENTS

OPEN MATERIALS INDEX

ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION

GROUPS

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

Carotenoid pigments. I. The pigments of red tomato-shaped paprikas (*Capsicum annuum* var. *lycopersiforme rubrum*). L. Cholnoky, K. Gyöngyösi, E. Nagy, and M. Pánczél (*Acta chim. hung.*, 1955, 6, 143-171).—Pigments present in the unripe green fruit (A), ripe red fruit (B), and the leaves (C) of freshly picked tomato-shaped paprikas have been isolated and identified. Ether extracts were hydrolysed and separated into epiphyasic and hypophasic constituents. These were chromatographed on Ca(OH)_2 from light petroleum and on CaCO_3 from light petroleum/benzene respectively. Pigments were identified by their absorption spectra. Carotenoids definitely identified in A are β -carotene (I), β -carotene-mono-epoxide (VIII) (trace), mutatochromic (II), *neo*- β -carotenes B and U (III), violaxanthin (IV), xanthophyll (VII), luteoxanthin, luteochrome, and antheraxanthin (V) (trace); in B I, xanthochrome, II, cryptoxanthin, cryptocapsine, III, capsorubin, capsanthin, IV, V, xanthophyll-epoxide, zeaxanthin (VI), and the *cis*-isomers of some of the above; in C the same as A, with α -carotene (IX). It is concluded that the physiological role of carotenoids is the transport of oxygen. The main route is VI \rightarrow V \rightarrow VII. The secondary route I \rightarrow VIII \rightarrow IX is only effective at high rates of oxygen metabolism. The changes during ripening are discussed. A. B. DENSHAM.

3

...with the primary systems under
...of these 3 surfaces across the
...the cycle of the plant is discharged. I. H. P. 228

HUNGARY / Organic Chemistry. Natural Substances and Their Synthetic Analogues. G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Author : Cholnoky L., Szabo D., Szabolcs J.

Inst : Not given.

Title : Investigation of Carotinoid Pigments. II. Structure of Capsanthin and Capsorubine.

Orig Pub: Magyar tud. akad. kem tud. oszt. kozl., 1957, 9, No 2, 179-194.

Abstract: Better understanding of the chemical structure of capsanthin (I) and of capsorubine (II) was obtained from synthesis of their complex esters (melting point in °C of the corresponding esters of I and II are given): diacetate, 150, 180; dipropionate, 159, 162; dibutyrate, 123, 153; divalerate, 120, 137; dicapronate, 114, 128; dicaprinatate, 109, 108; dimyrisate, 98, 88; dipalmytate, 95, 85; distearate, 92,

Card 1/4

Univ. Pecs, Hungary
70

HUNGARY / Organic Chemistry. Natural Substances and Their Synthetic Analogues. G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Abstract: 83, and from the determination of their C and H contents. It was established that the correct empirical formula of I is $C_{40}H_{56}O_3$ and that of II is $C_{40}H_{56}O_4$. In the investigation of free I, it was found that its C and H contents depend on the drying conditions. When the freshly crystallized product was dried at 120° , 0.1 mm Hg. abs, for 1/2 hour, its content of C and H corresponded to that of the $C_{40}H_{56}O_3$ formula. On the other hand when the drying was conducted at approx. 20° , over P_2O_5 , 0.1 mm Hg abs, the content of C and H corresponded

Card 2/4

HUNGARY / Organic Chemistry. Natural Substances and Their Synthetic Analogues. G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Abstract: to that of the previously established formula of $C_{40}H_{58}O_3$. Analogical results were obtained in the case of free II. This phenomenon is attributed to the ability of I and II to combine with solvents and with moisture from the air. A new formula for I substantiated by the following experimental data. Its chromofore consists of 10 bound C=C and one carbonyl group that exists in the conjugated position. In addition to the chromofore, a molecule should contain one isolated C=C bondage, which should be located on its open end. In the catalytic hydrogenation (on Pt), 1 mole of I takes 11 moles of H_2 . In the oxidation with $KMnO_4$, a mixture of 1,1-dimethylsuccinic and dimethylmalonic

Card 3/4

71

HUNGARY / Organic Chemistry. Natural Substances and Their Synthetic Analogues. G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Abstract: acids was obtained, the quantity of which was twice as less than in the case of zeaxanthine, which indicates that I may contain only one quaternary C atom. The new formula for I requires further confirmation. Review of previous investigations pertaining to the structure of I and II has been conducted. For Part I refer to Ref Zhur-Khimiya, 1956, 29153.

Card 4/4

CHOLNOKY, L, and others

SCIENCE

PERIODICALS: ACTA CHIMICA. Vol. 16, No. 2, 1958

Cholnoky L. and others. Investigations of carotenoid pigments. III.
Pigments of yellow paprika (Capsicum annum varietas lycopersiciforme flavum).
In German. p. 227.

Monthly list of East European Accessions (EEA), Lc. Vol. 8, No. 2, 1958
February 1959, Unclass.

CHOLNICKY, L.

Investigation of carotenoid pigments. V. Pigments of the calyx leaves of
Physalis alkekengi. p. 455.

KOZLEMLÉNYEK. Magyar Tudományos Akadémia. Kémiai Tudományok Osztálya.
Budapest, Hungary. Vol. 11, no. 4, 1959.

Monthly list of east European Accession (MEAI) LC, Vol. ~~XXXXXXXXXXXXXXXXXX~~
9, no. 2, Feb. 1960

Uncl.

CHOLNOKY, L., prof.; SZABOLCS, Jozsef

On the structure of paprika dye. Acta chimica Hung 22 no.1:117-119
'60. (EEAI 9:9)

1. Chemisches Institut der Universitat, Pecs.
(Paprika) (Dyes and dyeing)

ERDEY-GRUZ, Tibor, akadémikus (Budapest); CHOLNOKY, Laszlo; SZABO, Zoltan;
SZEKER, Gyula, kandidatus; FOLDI, Zoltan; LANGYEL, Sandor, a tudományok
doktora; TAKACS, Pal, kandidatus

An account of the 1960 work of the Section of Chemical Sciences,
Hungarian Academy of Sciences. Kem tud kozl MTA 15 no.4:401-460 '61.

1. Osztálytitkar, Magyar Tudományos Akadémia Kémiai Tudományok Osztálya,
Budapest és Szerkesztő, Magyar Tudományos Akadémia Kémiai Tudományok
Osztályának Közleményei (for Erdey-Gruz) 2. Lev. tag, Magyar Tudományos
Akadémia Kémiai Tudományok Osztályának Közleményei (for Cholnoky, Szabo,
Foldi) 3. Szerkesztőbizottsági tag, Magyar Tudományos Akadémia Kémiai
Tudományok Osztályának Közleményei (for Lengyel)

(Hungarian Academy of Sciences) (Hungary—Chemistry)

SZADE CZKY-KARDOSS, Elemer; ZSEBOK, Zoltan, dr.; RUSZNYAK, Istvan, dr.;
ANTALFFY, Gyorgy, dr.; BIHARI, Otto, dr.; CHOLNOKY, Laszlo, dr.;
GRUBER, Jozsef, dr.; HAY, Laszlo, dr.; KESZTYUS, Lorand, dr.;
MAGYARI, Andras, dr.; ORTUTATY, Gyula, dr.; PERENYI, Imre, dr.;
PETRI, Gabor, dr.; POLINSZKY, Karoly, dr.; RAPCSAK, Andras;
TORO, Imre, dr.; ZAMBO, Janos, dr.

Peace to the world! An appeal by the Committee on Science of
the National Peace Council. Term tud kozl 6 no.6:241 Je
'62.

1. Orszagos Beketanacs Tudomanyos Bizottsaganak elinoke (for Szadeczky-Kardoss).
 2. Orszagos Beketanacs Tudomanyos Bizottsaganak titkara (for Zsebok).
 3. Magyar Tudomanyos Akademia elnoke (for Rusznyak).
 4. Szegedi Tudomanyegyetem rektora (for Antalffy).
 5. Pecs i Tudomanyegyetem allamjogi karanak dekanja (for Bihari).
 6. Pecs i Orvostudomanyi Egyetem rektora (for Cholnoky).
 7. Budapesti Muszaki Egyetem rektora (for Gruber).
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 9. Kossuth Lajos Tudomanyegyetem rektora, Debrecen (for Kesztjus).
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 11. Eotvos Lorand Tudomanyegyetem rektora (for Ortutay).
 12. Epitoipari es Kozlekedesi Muszaki Egyetem rektora (for Perenyi).
 13. Szegedi Orvostudomanyi Egyetem rektora (for Petri).
 14. Veszpremi Vegyipari Egyetem dekanja (for Polinszky).
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CHOLNOKY, Laszlo

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edited by Dr.L.Lang. Reviewed by Laszlo Cholnoky. Magyar
lap 17 no.6:262 Je '62.

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"Absorption spectra in the ultraviolet and visible region",
edited by Dr. Laszlo Lang. Reviewed by Laszlo Cholnoky.
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Successful reimplantation of a permanent incisor in a
9-year-old child. Fogorv. szemle 58 no.9:282-284 S '65.

1. Pecs Varosi Rendelointezetenek (igazgato: Kobor, Jozsef, dr.)
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1. Wykładowca Szkoły Muzycznej im. Fryderyka Chopina, Warszawa.

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Zurabashvili, A. D. and Cholokashvili, Ye. S. "Question of the morphological and functional reversibility of the nerve elements of the cerebral cortex of the cat (Experimental-morphological and electroencephalographic observations)," Trudy In-ta fiziologii im. Beritashvili, Vol. VII, 1948, p. 365-89-- Summary in Georgian -- Bibliog: 20 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

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Morphological interrelationships between the cell body and the
protoplasmic processes of spinal motoneurons. Trudy Inst.
fiziol. AN Gruz. SSR 9:155-160 '53. (MIRA 8:9)
(Nerves)

CHOLOKASHVILI, Ye.S.

~~Quantitative distribution of synapses on cell bodies and on spinal dendritic processes. Trudy Inst. fiziol. AN Gruz. SSR 9:161-169~~
'53. (MLRA 8:9)

(Nerves)

CHOLOKASHVILI, Ye.S.

Investigating the interrelationships of capillaries with different
parts of pyramidal neurons of the cerebral cortex. Trudy Inst.
fiziol. AN Gruz. SSR 12:147-151 '61. (MIRA 15:2)
(CEREBRAL CORTEX BLOOD SUPPLY)

I. 22221-66

ACC NR: AT5024235

SOURCE CODE: UR/3167/65/014/000/0169/0172

AUTHOR: Cholokashyili, Ye. S.

ORG: *none*

H
B+1

TITLE: Changes in nerve cells of the auditory cortex connected with cortical activity

SOURCE: AN GruzSSR. Institut fiziologii. Trudy, v. 14, 1965. Sovremennyye problemy deyatel'nosti i stroeniya tsentral'noy nervnoy sistemy (Present problems of the activity and structure of the central nervous system), 169-172

TOPIC TAGS: auditory cortex, CNS, cerebral cortex, cortical activity, afferent impulse, direct cortical stimulation

ABSTRACT: To study changes in auditory cortex neurons during cortical activity, cats lightly narcotized with nembutal were subjected to 10—15 sec of tetanic stimulation (30 impulses/sec) of the medial geniculate body, which caused primary-type responses in the auditory cortex. Specimens for histological study were taken at the height of cortical activity. Specimens were prepared by Nissle's method and examined for bioelectric-activity-connected histological changes. Tigroid substance

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ACC NR: AT5024235

was found to be less distinct than in normal cells. A clear boundary between nucleus and cytoplasm was lacking. The "dendrite stimulation" effect (i.e., staining of dendrites to considerable distances from the parent cell) was absent, and the initial sector of the dendrite was hard to discern, apparently because the tigroid substance moves toward the nucleus. The nuclei of almost all cells stained well. Glial nuclei were displaced toward the nerve cell: near the soma of almost every nerve cell, from 1 to 5 or more glial nuclei were visible, some lying directly against the nerve cell. The reported morphological changes in cortical neurons caused by several seconds of stimulation by specific afferent impulses are similar to those caused by direct electrical stimulation of the cortex, but not so clearly pronounced. [DP]

SUB CODE: 06/ SUBM DATE: none/ OTH REF: 008/ SOV REF: 007/
ATD PRESS:

Card 2/2 nst

CHOLOKAVA, A.O.

Injurious weevils (Curculionidae) on cultivated plants in Kakhetiya.
Soob. AN Gruz. SSR 29 no.6:715-721 D '62.

(MIRA 18:3)

1. Institut zoologii AN GruzSSR, Tbilisi. Submitted October 8, 1961.

CHOLOKAVA, A.O.

Study of the species of the weevils (Coleoptera, Curculionidae)
of Mta-Tusheti. Soob. AN Gruz. SSR 31 no.1:155-161 J1 '63.
(MIRA 17:7)

SOV/68-59-6-9/25

AUTHORS: Kakabadze, V.M. Doctor of Technical Sciences, Sikharulidze, N.G., and Cholokava, N.K.

TITLE: On the Problem of Establishing the Activity of a Soda-Arsenical Solution for Sulphur Purification (K voprosu ustanovleniya aktivnosti poglotitel'nogo rastvora mysh'yakovo-sodovoy seroochistki)

PERIODICAL: Koks i Khimiya, 1959 Nr 6, pp 35-38 (USSR)

ABSTRACT: The present method of the determination of the conventional activity of soda-arsenical absorption solution shows no relationship between the activity determined and the degree of purification of gas from H_2S obtained. The cause of this discrepancy is as follows: on determining the activity, oxygen containing arsenical compounds precipitated by treatment of the analysed solution with the magnesia mixture are deducted from the residual arsenic. Meanwhile the treatment removes compounds of the type $Na_3HAS_2S_4O_3$ which are the most active in the absorption of hydrogen sulphide. The activity of the absorption solution can be also evaluated by ΔpH (difference in pH before and after regeneration of the solution). The authors proposed the following

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On the Problem of Establishing the Activity of a Soda-Arsenical Solution for Sulphur Purification

formula for the determination of activity:

$$a = \frac{\Delta p H (As_2O_3)''}{(As_2O_3)'} \cdot 100\%$$

where a = activity, $(As_2O_3)'$ = residual arsenic, g/l;
 $(As_2O_3)''$ = arsenical compounds free from oxygen, g/l.
The formula was tested at the Zelvinskii Metallurgical Works and validity was confirmed. A linear relationship between the activity and percent desulphurization was obtained (Fig 1). In order to simplify continuous observation of the process of purification of gas an approximate method of determining the activity of absorption solution based on the ratio air/ As_2O_3 is proposed (Table 2); the

Card 2/2 optimum value of the latter lies within a range of 0.16 to 0.19. There are 2 figures and 2 tables.

ASSOCIATION: Gruzinskiy politekhnicheskii institut
(Georgian Polytechnical Institute)

USSR/Cultivated Plants. Grains.

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Abs Jour : Ref Zhur-Biol, No 15, 1958, 68091

Author : Cholokhyan, D. P., Sogomonyan, S. A.

Inst : ~~Yerevan University.~~

Title : The Effect of Autumn Sowing on Spring Wheats
(Preliminary Communication).

Orig Pub : Nauchn. tr. Yerevansk. un-t, 1956, 54, ch. 2,
41-54

Abstract : In the years of 1952-1954, the following spring wheat variants were sown in October and November on the study-test plot of the Yerevan University Department of Genetics and Selection: leukurum, melyanopus, crinatscum, del'fi, and rubritsens. Sowings of the same wheats on 15 March, using seed from ordinary autumnal sowing, served as

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Abs Jour : Ref Zhur-Biol., No 15, 1958, 68091

control. It was determined that the variants gave different reactions to winter sowing; for example, the vitality of the gorceiform plants was increased; morphologically different ears appeared in the leukurum variants; the parenchyma developed more strongly in the stalks of gorceiform, leukurum, and crinatscum in several variants; the dimensions of the leaves were greater, and they were of a darker color. --
V. S. Shmal'ko

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