

POPESCU, C., ing.; PANGU, M., ing.; BILCESCU, C., ing.

Main thermotechnical parameters of floating heat exchangers
and their relationship as determined by the diagrams $t f(Q_m)$
applied to clinker kilns. Rev constr si mat constr l6 no. 6:
296-303 Je '64.

PANCU, V.; PETRESCU, Al.; ATHANASIU, Pierette

Considerations on the respiratory viral epidemic in the spring of the year 1958, in the town and environs of Botosani. Stud. cercet. inframicrobiol. Bucur. 11 no.4:583-585 '60.

1. Comunicare prezentata la Simpozionul de gripa din Bucuresti,
(PNEUMONIA, PRIMARY ATYPICAL epidemiology)
(BRONCHIOPNEUMONIA epidemiology) (VIRUS DISEASES epidemiology)

PETRESCU, Al.; ATHANASIU, Pierrette; CIRNARU, SteIa; PANCU, V.; VILCU-BOJINCA, Ioana

Biological characteristics of an inframicrobiol germ isolated from infants with an acute toxic respiratory syndrome. Stud. cercet. inframicrobiol. Bucur. 11 no.4:587-596 '60.

1. Comunicare przentata la Institutul de inframicrobiologie al Academiei R.P.R.
(VIRUSES) (RESPIRATORY TRACT INFECTIONS microbiology)

PANCUSKA, Vaclav, Inz.

Auxiliary equipment for transportation of miners in mine adits.
Uhl 6 no.3:108 Mr'64.

PANCUSKA, Vaclav, inz.

New method of manufacturing the poles of generator magnetic rotors.
Stroj vyr 12 no.11:826-827 '64.

PANCZAKIEWICZ, E.

Panczakiewicz, E. Notes on the root-mean-square, criterion for the value of control, computing the mean square of controlling errors by means of an electronic calculating machine. p.1041.

SD: Monthly List of East European Accessions List (EEAL) LC, Vol 4, No. 11
November 1955, Uncl.

PANCZAKIEWICZ, Edmund

"Mechanical and electrical engineering: Notes on RMS - Criterion on the intrinsic worth of controlling"

SO: TEHNIKA No 7, Year X, - 1955

PANCZAKIEWICZ, Stanislaw, mgr inz.

Contemporary methods and equipment for the repair of auto-
mobile bodies. Techn motor 12 no. 10 329-337 0 '62.

PAWZAKIEWICZ, Stanislaw, mgr., inż.

The experimental automobile "Firebird III". Przegl techn 31
no.20:16-18 '60.

PERENCZ, Pal, dr.; PANCZEL, Desso, dr.

First year of the 6 day therapy of scarlet fever in Budapest.
Nepegeszsegugy 36 no.10:323-330 Oct 55.

1. Közlöny a fovarosi Lasslo-korhazbol.
(SCARLET FEVER, ther.
6 day hosp. system in Hungary & Czech.,
evaluation. (Hun))

SOLT, Katalin, dr.; PANCZEL, Dezso, dr.; VEDRES, Istvan, dr.

Associated infections in the Laszlo Hospital in 1958. *Hep-egeszsegugy* 41 no.12:398-362 D '60.

1. Közlemény az Országos Közegeszsegugyi Intezetbol (foigazgato: Bakacs Tibor dr.), a fovarosi tanacs Laszlo-korhazatol (igazgato-foorvos: Roman Jozsef dr.) es a Budapesti Orvostudomanyi Egyetem Közegeszsegtani Intezetebol (igazgato: Melly Jozsef dr. egyetemi tanar).

(HOSPITALS)

(COMMUNICABLE DISEASES epidemiol)

(PEDIATRICS)

PANCZEL, Lajos; KORCSMÁROS, Pál

Be firm! Repules 15 no.3:5 Mr '62.

PANCZEL, Lajos

Innovations of Istvan Szechenyi. Ujit lap 12 no.7:13 10 Ap '60.

PANCZEL, Lajos

~~Pinhead.~~ Elet tud 18 no.12:378 24 Mr '63.

PANCZEL, Lajos

The Hannibal of the flight. (To be contd.) Repules 13
no.10:8 0 '60.

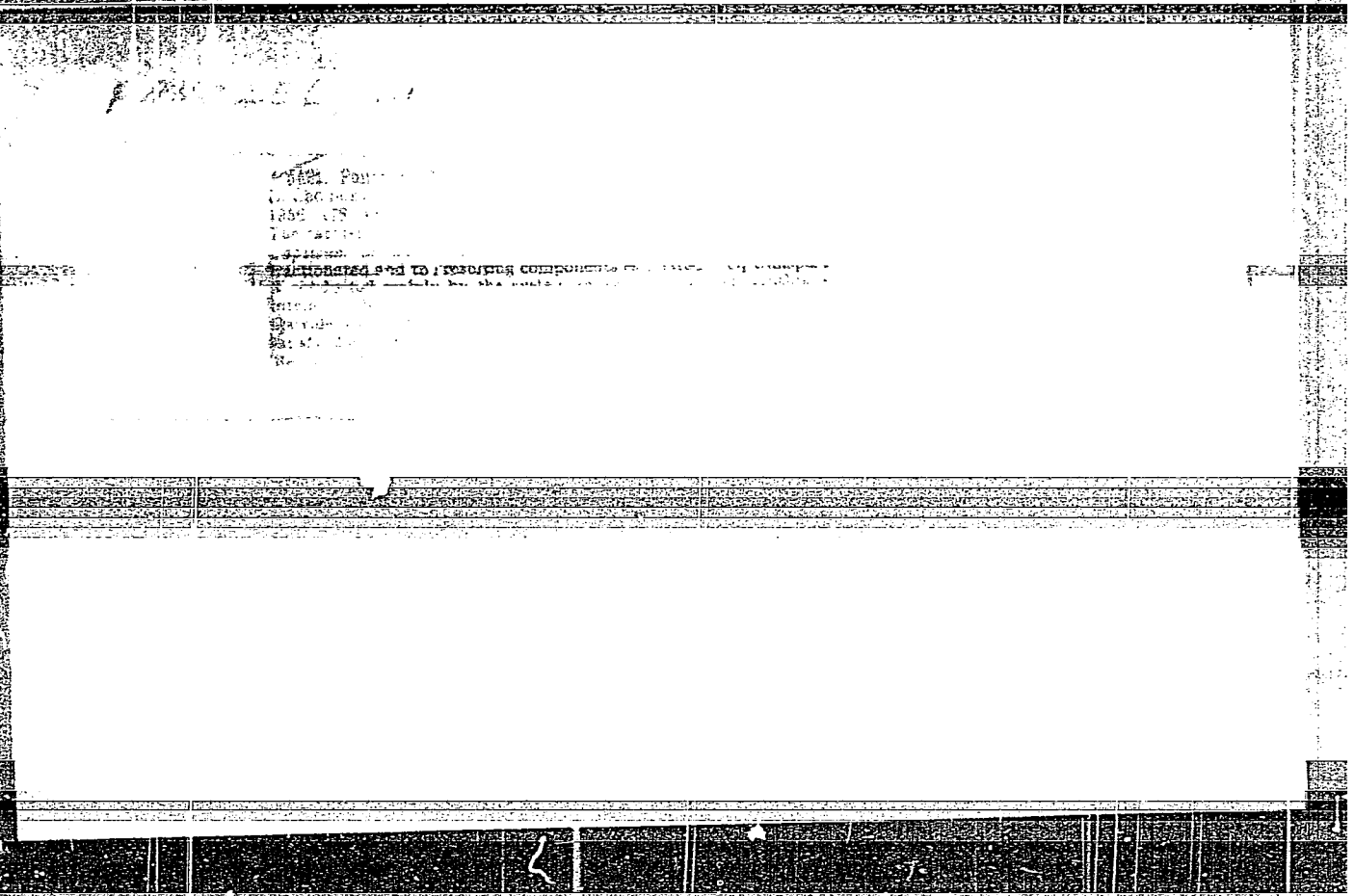
PANCZEL, Lajos

The Hannibal of the flight. Repules 13 no.12:5 D '60.

PANCZEL, Lajos

The Hannibal of the flight. (To be contd.) Repules 13
no.11:5 N '60.

Base for shoe cream. Jozsef Pánczél. Hung. 113,086, Oct. 15, 1835. N-contg. animal or insect matter (leather, horn, bee-cell remnants, etc.) is distd. The oil or grease obtained is purified and hardened by means of NO₂ gases, hydrogenation or treatment with boiling aq. solns. of HgSO₄ or other Hg salts. Other solid org. matter, or org. solvents may be added.



PANCZEL, M.

13. Investigations on carotenoid pigments. I. Pigments of the red tomato-paprika (In German) — J. Chvil-noky, K. Gyöngyösi, E. Nagy, M. Pánczél. (Acta Chimica Academiae Scientiarum Hungaricae Vol. 6, 1955, No. 1-2, pp. 143-171, 2 figs., 3 tabs.) P11

The carotenoid pigments of the green unripe fruit, the red ripe fruit and green leaves of the red paprika variety *Capsicum annuum* var. *lycopersiconiforme rubrum* were investigated by qualitative and quantitative chromatographic methods. Two stages may be distinguished in the development of the fruit. In the first stage due to its chlorophyll content the fruit is green, in the second it turns red simultaneously with the gradual disappearance of the chlorophyll. Alpha and beta carotenoids were found in the fruit and leaves containing chlorophyll however alpha carotene was found only in the leaves and none in the fruit. It was established that the unripe fruit contains xanthophyll but no zeaxanthin whereas the ripe fruit contains zeaxanthin but no xanthophyll. During ripening the chlorophyll disappears and the quantity of carotenoids increases very rapidly. These experiments showed that the physiological role of the carotenoids in the fruit and leaves containing chlorophyll is the transportation of oxygen. In the performance of this function they undergo changes and are transformed as stated above.

3

1204

Carotenoid pigments I. The pigments of red tomato-shaped paprika (*Capsicum annuum* var. *glaberrimum*) were analyzed by K. G. L. van der Kerkhof, M. J. M. van der Kerkhof, and J. B. van der Kerkhof, *Journal of Agricultural and Food Chemistry*, 1964, 12, 100-104.

Paprikas have been analyzed and separated into their components, hydrolysed and separated into carotenes and xanthophylls, and then reconstituted. These carotenoids were compared with those of light petroleum and commercial products, and identified respectively. Pigments were identified by their absorption spectra. Carotenoids definitely identified in *A* are β -carotene (I), β -carotene-mono-epoxide (VIII) (trace), mutatochrome (III), *neo*- β -carotenes B and U (III), violaxanthin (IV), xanthophyll (VII), lutein, foliixanthin, foliachrome, and antheraxanthin (V) (trace); in *B* I, aurochrome, II, cryptoxanthin, cryptocapsin, 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. DENSMAN.

3

PANCZEL H.
(2681)

Clin. des Mal. nerv. et ment.; Inst. de Chim. med., Univ. de Pecs. "Contributions a la pathomorphologie et pathochimie de la maladie de Wilson-Westphal-Strumpell. The pathological morphology and chemistry of Wilson-Westphal-Strumpell's disease ACTA MEDICA (Budapest) 1952, 3/3 (341-346) Tables 1 Illus. 3
Report on a youth of 18 showing an extrapyramidal syndrome, clinical signs of cirrhosis of the liver (950 g.). The brain weighed 1,150 g. (undissected) and showed anomalous structures. There was an abundance of Alzheimer cells, partly with nucleoli showing metachromasia. There was also proliferation of oligodendroglia and astrocytes, while the microglia were normal. No necrotic processes were found. Chemical examination showed that both the brain and the liver had an increased copper content. The iron content in the cerebral cortex and the white matter was decreased; it was normal in the liver.
Scheidegger - Pasel (V, 8)

SO: EXCERPTA MEDICA, VOL. 7 No. 8, SECTION V, AUGUST 1954

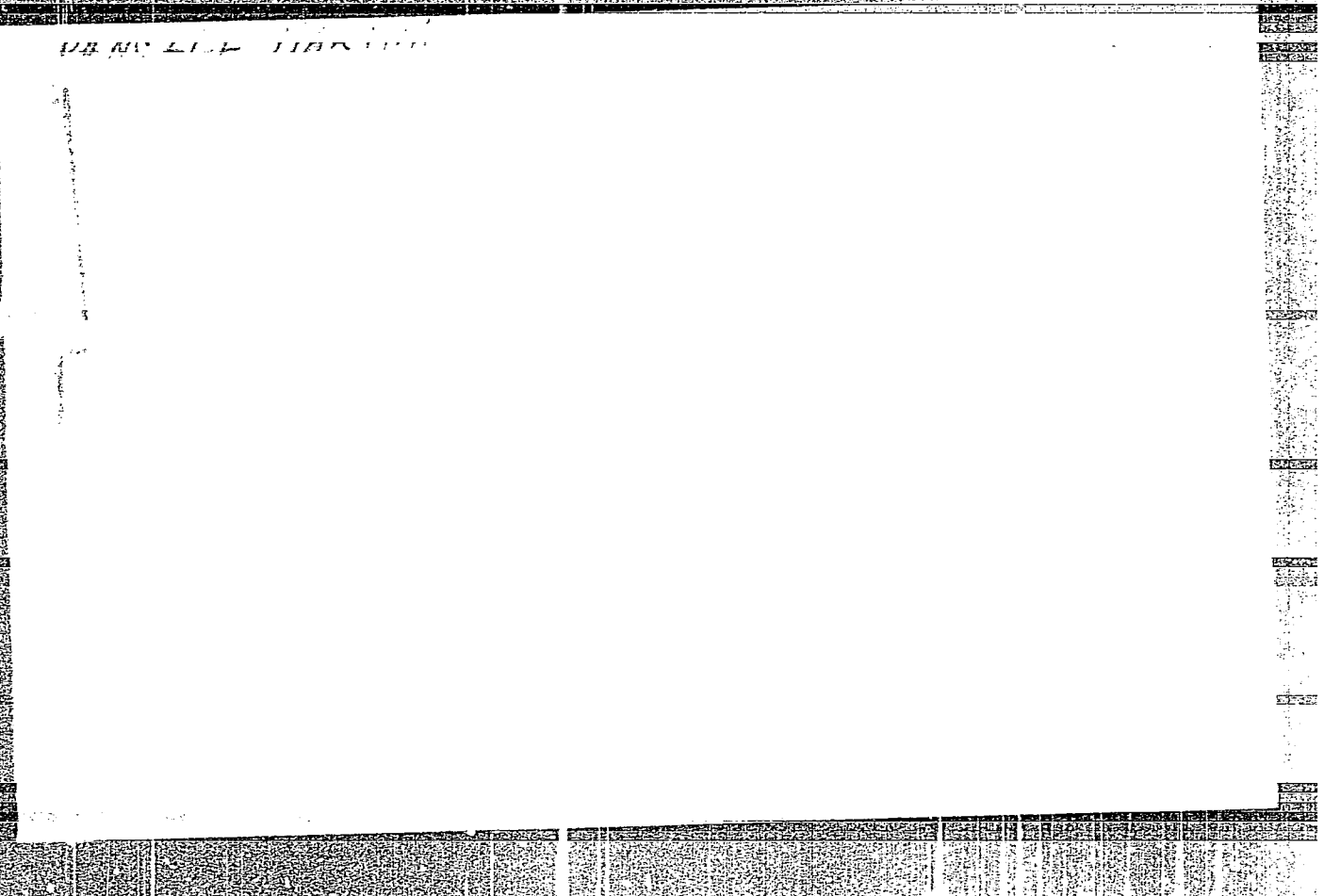
PANCZEL M, AND JAKAB I.

Clin. des Mal. nerv. et ment.; Inst. de Chim. med., Univ, de Pecs. *Contributions a la pathomorphologie and pathochimie de la maladie de Wilson-Westphal-Sturmpell. The pathogological morphology and chemistry of Wilson-Westphal-Sturmpell's disease

ACTA MED. ACAD. SCIENT. HUNG. 1952. 3/3 (341-346) Illus. 3

Report on a youth of 18 showing an extrapyramidal syndrome, clinical sign of cirrhosis of the liver and corneal Kaiser-Fleischer ring. Autopsy revealed lobular cirrhosis of the liver (950 g.). The brain weighed 1,150 g. (undissected) and showed anomalous structures. There was an abundance of Alzheimer cells, partly with nucleoli showing metachromasia. There was also proliferation of oligodendroglia and astrocytes, while the microglia were normal. No necrotic processes were found. Chemical examination showed that both the brain and the liver had an increased copper content. The iron content in the cerebral cortex and the white matter was decreased; it was normal in the liver. Scheidegger - Basle (V, 8)

SO: Excerpta Medica
Section V III
Vol. 7 No. 11



JAKAB, I. and PANCZEL M.

Clin. des Mal. nerv. et ment.; Inst. de Chim. med., Univ. de Pecs. #Contributions a la pathomorphologie et pathochimie de la maladie de Wilson-Westphas-Strumpell. The pathological morphology and chemistry of Wilson-Westphas-Strumpell's disease ACTA MED. ACAD. SCIENT. HUNG. 1952, 3/3 (341-346) Illus. 3

Report on a youth of 18 showing an extrapyramidal syndrome, clinical sign of cirrhosis of the liver and a corneal Kaiser-Fleischer ring. Autopsy revealed lobular cirrhosis of the liver (950 g.). The brain weighed 1,150 g. (undissected) and showed anomalous structures. There was an abundance of Alzheimer cells, partly with nucleoli showing metachromasia. There was also proliferation of oligodendroglia and astrocytes, while the microglia were normal. No necrotic processes were found. Chemical examination showed that both the brain and the liver had an increased copper content. The iron content in the cerebral cortex and the white matter was decreased; it was normal in the liver.

Scheidegger - Basle (V,8)

SO: Excerpta Medica; Section VIII Vol 7 No. 11

SZTANKO, Istvan; PANCZEL, Otto

Psychological problems of industrial management. Elelm iper
17 no.11:349-353 N'63.

1. Budapesti Felfofoku Technikum Marxizmus-Leninizmus Tanszeke.

SZTANKO, Istvan; PANCZEL, Otto

Some questions relating to work ethics. Elelm ipar 17 no.12:
383-388 D '63.

1. Budapesti Felfoku Elelmiszeripari Technikum Marxizmus-
Leninizmus Tanszeke.

SZTANKO, Istvan; PANCZEL, Otto

Significance of work psychology in the factory life of today. Elelm ipar 17 no.9:287-292 S '63.

1. Budapesti Felfoku Elelmiszeripari Technikum Marxizmus-Leninizmus Tanszeke.

PANCZAKIEWICZ, Stanislaw, inz.

Safety windows as one of the safety factors of automobile riding.
Techn motor 14 no.5:147-148 My '64.

PANCZOWSKI, Dymitr, inż.

Influence of constructional elements dimensions of wing cross-section on the bending center position. Techn lotn 17 no.3:66-72 '62.

1. Asystent Politechniki w Sofii, Bulgaria.

PANCZOWSKI, Dymtir

03012000-1
1968

1. "The Second Stage of Improving the Economy of the Heavy-Industry Enterprises," unclassified p. 65.
2. "Effect of the Demotions of King Cross-Section Elements on the Pollution of the Smelting Charge," Dymtir PANCZOWSKI, Assistant to the Polytechnical Institute in Sofia, Alphabeta 77-56-72.
3. "Notes: Engines with Solid Fuel," Jerry CREBOROVIC, Registrar Engr 77-72-60.
4. "Trudovaya 1961," [exhibit of the Society of Serbian American Constructors], Donat GRUSCHINIC, Registrar Engr 72-50-51.

1/1

PANCZOWSKI, D.

Design of wooden wing-spar boxes. p. 74.

TECHNIKA LOTNICZA. (Zwiazek Polskich Inzynierow i Technikow Lotniczych)
Warszawa, Poland. Vol. 14, No. 3, May/June 1959.

Monthly List of East European accession (EEAI), LC. Vol. 8, No. 9 September,
1959. Uncl.

SOSINKA, Jozef, inz.; PANCZYK, Jerzy, techn.

Longwall working by use of the PS method in the Slask mine.
Wiad gorn 13 no.4:124-127 Ap '62.

ORLOV, B. (Novosibirsk); PANDAKOV, V. (Novosibirsk)

Vital problems in the economics and organization of new enterprises and production. Vop. ekon. no.10:151-155 0 '63.

(MIRA 16:12)

PANDAKOV, V., ekonomist

Are we properly counting rubles and kopecks? Izobr. i rats.
no.9:30 S '61. (MIRA 14:8)

(Technological innovations)
(Steel industry—Costs)

PANDAKOV, V., aspirant; LIPNITSKIY, V.; ISHCHUK, Ye., inzh.

The ruble of innovators is a ruble of substance. Izotr,
i rats. no.8:3 Ag '61. (MIRA 14:9)

1. Nachal'nik planovogo otdela Novosibirskogo metallurgicheskogo zavoda (for Lipnitskiy).
(Novosibirsk--Steelworks--Technological innovations)

PANDAKOV, V.I.

Methods for calculating savings resulting from the application of efficiency suggestions and organizational and technical measures accounting for conditionally steady overhead expenses. Izob.r v SSSR 2 no.3:26-27 Mr '57. (MIRA 10:3)
(Efficiency, Industrial)
(Manufactures--Costs)

PANDAKOV, Vyacheslav Ivanovich; ROMANOVICH, N.D., red.; KOVALEVSKIY, M.A., red. izd-va; KLEYNMAN, M.S., tekhn. red.

[Potentials for reducing production costs in metal rolling]
Rezervy snizheniia sebestoimosti produktsii v prokatnom pro-
izvodstve. Moskva, Metallurgizdat, 1963. 110 p.
(MIRA 16:3)

(Rolling (Metalwork))—Costs)

PANDAKOVA, V.N.

Future use of optical rotation dispersion method in biochemistry.
Izv. SO AN SSSR no.4 Ser. biol.-med.nauk no.1:129-134 '65.

(MIRA 18:8)

1. Otdel eksperimental'noy biologii i patologii Instituta tsitologii
i genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

PANDAKOVA, V. N., SKLOBOVSKAYA, M. V., LOKSHINA, L. A., MALANHOVA, YE. A., OREKHOVICH,
V. N., (USSR)

On the Activation of Pepsinogen.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961

LOKSHINA, L.A.; OREKHOVICH, V.N.; PANDAKOVA, V.N.

Effect of N-bromosuccinimide on pepsin and pepsinogen.
Dokl. AN SSSR 142 no.2:471-473 Ja '62. (MIRA 15:2)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
2. Deystvitel'nyy chlen AMN SSSR (for Orekhovich).
(SUCCINIMIDE)
(PEPSIN)

PANDE, M.Ch.; SITNIK, G.F.

Saturation of the central parts of carbon monoxide lines in
the solar spectrum. Astron. zhur. 42 no.6:1250-1255 N-D '65.

(MIRA 19:1)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.
Submitted April 8, 1965.

ACC NR: AP7008802

SOURCE CODE: UR/0033/67/044/001/0091/0093

AUTHOR: Panda, M. Ch.; Sitnik, G. F.

ORG: State Astronomical Institute im. P. K. Shternberg (Gosudarstvennyy astronomicheskiy institut)

TITLE: The possibility of formation of triatomic molecules in the solar atmosphere

SOURCE: Astronomicheskiy zhurnal, v. 44, no. 1, 1967, 91-93

TOPIC TAGS: astrophysics, solar spectrum, spectroscopy, molecule, photosphere; *DIATOMIC THERMODYNAMIC EQUILIBRIUM, SOLAR ATMOSPHERE*

ABSTRACT: Assuming local thermodynamic equilibrium for the Utrecht reference model, the concentration ratios $n(\text{CH})/n(\text{CH}_2)$, $n(\text{NH})/n(\text{NH}_2)$, $n(\text{C}_2\text{H})/n(\text{C}_2)$, $n(\text{OH})/n(\text{H}_2\text{O})$, $n(\text{CN})/n(\text{HCN})$, and $n(\text{CO})/n(\text{HCO})$ are calculated as functions of the optical depth in the photosphere. The calculations show that triatomic molecules form an insignificant part of diatomic molecules. Apparently, for small deviations from the condition of the local thermodynamic equilibrium the disappearance of the diatomic molecules, AB and A_2 owing to the formation of the triatomic molecules ABH , A_2H and AH_2 can be neglected. Orig. art. has: 4 formulas and 2 tables. [BA]

SUB CODE: 03/ SUBM DATE: 15Feb66/ ORIG REF: 001/ OTH REF: 005

Card 1/1

UDC: 523.774

ACC NR: AP6028785

SOURCE CODE: UR/0033/66/043/004/0708/0717

AUTHOR: Pande, M. Ch.

ORG: State Astronomical Institute im. P. K. Shternberg (Gos. astronomicheskij in-t)

TITLE: Determination of rotational temperatures from the lines of first overtones of carbon monoxide in the solar spectra

SOURCE: Astronomicheskij zhurnal, v. 43, no. 4, 1966, 708-717

TOPIC TAGS: rotational temperature, solar spectrum, sun, vibrational band, rotational band, photosphere, chromosphere, carbon monoxide, SOLAR PHOTOSPHERE

ABSTRACT: The rotational temperatures of the vibrational, rotational CO molecular bands 0-2, 1-3, 2-4, 3-5, 4-6 in the solar photosphere are determined. The observational data were obtained with the ATB-1 telescope (dispersion of 1.6 A/mm) of the Sternberg Astronomical Institute. Semitheoretical arguments, based on the quantummechanical considerations of Herman and Wallis, are given for the application of the I and I + 1 intensity factors for the P and R branches of the first overtone lines of CO. Within the measurement precision the rotational temperatures of all the bands studied are practically the same (with the exception of the 4-6 band, which is located in the region of strong atmospheric water-vapor bands). The mean rotational temperature is $4850 \pm 100\text{K}$ (mean quadratic error). The value of the error leads to doubts of the presence of thermal nonuniformities as indicated by Newkirk, who used

Card 1/2

UDC: 523.774

ACC NR: AP6028785

Minnaert's model and studied the center-to-limb behavior of the equivalent widths of certain CO lines. However, this photospheric model is not of sufficient accuracy for the transition region. The error of determination may be an additional factor responsible for the detection of nonuniformities. The almost identical rotational temperatures found for different vibrational-rotational bands of the first overtone of CO are evidently a result of the thin layer from which this overtone originates. Collisions of molecules with hydrogen atoms and electrons can also result in a Boltzmann distribution corresponding to the general kinetic temperature of constituent particles of the transition region between the solar chromosphere and photosphere. Orig. art. has: 2 figures and 2 tables.. [CS]

SUB CODE: 03/ SUBM DATE: 14Oct65/ ORIG REF: 004/ OTH REF: 009

Card 2/2

PANDELE, A.; RUSSU, O.; BELOIU, S.; MIHAIESCU, C.; MIHAIESCU, E.

Investigations on the histamine test & the determination of vitamin C in the study of the prophylaxis of fetal anoxia & of intracranial obstetrical trauma. Rumanian M. Rev. 1 no.4:85-86 Oct-Dec 57.

(ASPHYXIA NEONATORUM, compl.

brain damage, maternal histamine skin test & vitamin C determ. in blood in prev.)

(BRAIN, dis.

damage in asphyxia neonatorum, maternal histamine skin tests & vitamin C determ. in blood in prev.)

(HISTAMINE

maternal skin tests in prev. of asphyxia neonatorum with brain damage)

(VITAMIN C, in blood

maternal blood determ. in prev. of asphyxia neonatorum with brain damage)

PANDELE, A.

Internal drainage and plasty of the dead spaces by using the great omentum, after amplified total hysterectomy. Rumanian M. Rev. 2 no.2: 90-92 Apr-June 58.

(HYSTERECTOMY

internal drainage & plastic surg. of dead spaces using greater omentum after total hysterectomy)

(DRAINAGE

internal, with plastic surg. of dead spaces using greater omentum after total hysterectomy)

PANDELE, A. (Dr)

POPESCU, C., Professor; BRAILEANU, Cl., Pharmacist; STANESCU, V., Pharmacist;
FICA, Cornelia, Pharmacist; PANDELE, A. Dr; GHERCULESCU, D. Dr

Rumania

1. Faculty of Pharmacy (Facultatea de Farmacie) (for POPESCU, BRAILEANU,
STANESCU, FICA). 2. The Ilie Pintilie Hospital (Spitalul "Ilie Pintilie")
(for PANDELE and GHERCULESCU)

Bucharest, Farmacia, No 11, Nov 62, pp 667-672

"The Utilization of 'Undecienatul de Ortooxichinoleina' in Gynecology"

(6)

EXCERPTA MEDICA Sec 10 Vol 10/9 Obstetrics Sept 57

1551. PANDELE A., RUSSU O., BELOIU S., MIHĂESCU D. and MIHĂESCU C.

"Cercetarea probei la histamină și dozarea vitaminei C în studiul profilaxiei anoxiei fetale și a 'traumei' obstetricale intracraniene. The histamine test and vit. C in studies on the prophylaxis of foetal anoxia and obstetrical intracranial 'trauma'

COMUN. ACAD. REP. POPUL. ROM. 1956, 6/1 (199-205) Graphs 3

The neurovascular reaction, as evaluated by means of the histamine test, is increased in more than 50% of all pregnant women. The reactions can be normalized in such cases by treatment with vit. C and P. Determination of vit. C in the blood of pregnant women nearing term showed considerable differences between treated and non-treated women. In the treated women, the vit. C concentration showed an increase of 110%; comparison of cord blood, however, showed only the insignificant difference of 2.3% between treated and untreated mothers.

USSR / General Biology. Genetics. Plant Genetics. B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14445

Author : Bordeyanu, T.; Kochu, V.; Pandele, I.

Inst : Not given

Title : Intergeneric Peach and Apricot Hybrids in
the Rumanian Soviet Republic

Orig Pub : Agrobiologiya, 1957, No 4, 128-138

Abstract : As a result of pollinating a peach of the
Pozdny shevrez variety with a pollen of a
decorative specimen, Amazona rubicunda, an
early ripening hybrid Pervaya pyatiletka,
was obtained which combines a good quality
fruit and a high yield with resistance
to frost, insects and diseases. The results
of experiments carried out on the selection
of pollinizers for the new variety as well

Card 1/2

PANDELE I.

BORDEYANU, T., [Bordeanu, T.], professor; KOCHU, V., [Cociu, V.], inzhener;
PANDELE, I.

Intervarietal peach and apricot hybrids in the Rumanian People's
Republic. Agrobiologia no.4:128-138 J1-Ag '57. (MLRA 10:9)

1. Chlen-korrespondent Akadenii Rumynskoy Narodnoy Respubliki (for
Bordeyanu [Bordeanu]). 2. Rumyniya, Nauchno-issledovatel'skiy sel'sko-
khozyaystvennyy institut.

(Rumania--Peach breeding) (Rumania--Apricot breeding)

PANDELE, I.; IONITA, C.

Some very valuable varieties of domestic cherries. p. 947

COMUNICARILE. Bucuresti, Rumania. Vol. 8, no. 9, Sept. 1958

Monthly list of European Accessiona (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

PANDELE, I.

COUNTRY : Rumania M
SUBJECT : Cultivated Plants. Fruits. Berries. Ruba. Tea.

REF. JOURN: Ref Zhur - Biologiya; No. 5, 1959, No. 20443

Author : Pandela, Iuliana
INSP. : ~~Inst. of Agronomic Research~~
TITLE : Chlorophyll Content in the Leaves of Fruit
Trees as a Biochemical Index to Determine
the Phenophase More Exactly.

ORIG. PUB.: Gradina, via si livada, 1958, 7, No.3, 33-38

ABSTRACT : It has been determined by the Institute of
Agronomic Research (Rumania) in 1953-1957
that the maximum chlorophyll content in the
leaves corresponds to the period of inten-
sive vital activity of the tree (fruit matu-
rity, intensive shoot growth, accumulation
of stored substances). The first increase
in chlorophyll content in the leaves corres-
ponds to the period of intensive biochemical
processes occurring in the fruit: sugar

CARD : 1/3

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PANDELE, Iuliana

The carotene (Provitamin A) and riboflavin (Vitamin B₂) content in the principal kinds of vegetables cultivated in Rumania. Studii cerc biol veget 13 no.1:113-127 '61. (EEAI 10:9)

1. Comunicare prezentata de T. Bordeianu, membru corespondent al Academiei RPR.

(Rumania--Vegetables) (Carotene) (Provitamins)
(Riboflavin)

BORDEIANU, T.; CUPCINENCO, I.; PANDELE, Iuliana; ORGS, Florica; POM-
PEIUS, Elena

Study on the kinds of quince trees cultivated in the Danube
Delta. Hidrologia 4:401-427 '63.

1. Membru corespondent al Academiei R.P.R. (for Bordeianu).

PANDELE, Iuliana

Contributions to the study of the influence of hybridization and the
upbringing of hybrides of fruit trees and shrubs on the chemical
composition of fruits. Studii cerc biol veget 11 no.3:303-316 '59.
(EEAI 10:3)

(Trees) (Fruit) (Dwarf fruit trees)
(Hybridization) (Shrubs)

PANDELE, I.

Correlation between the chlorophyll content in leaves and the intensity of the biochemical activity during the period of active vegetation of fruit trees.
p. 165

STUDII SI CERCEATARI DE BIOLOGIE. SERIA BIOLOGIE VEGETALA. Bucuresti, Rumania.
Vol. 11, no. 2, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, August 1959.

Uncl.

BCRDEIANU, T.; CUPCINENCO, I.; PANDELE, Iuliana

A study of quince varieties cultivated in Rumania. Studii cerc.biol.
veget. 11 no.4:395-415 '59. (EBAI 9:5)

1. Membru corespondent al Academiei R.P.R. (for Bordenanu).
(Rum--Quince)

PANDELE, Iuliana; POPA, D.

The dynamics of carotene and of the main chemical components during the course of the growing period of carrot roots. Studii cerc.biol. veget. 11 no.4:417-433 '59. (REAI 9:5)

1. Comunicare prezentata de T. Bordeianu, membru corespondent al Academiei R.P.R.
(Carrots) (Carotene)

RUMANIA

2

HUBER PANU, I.; PANDELESCU, C.; PROTOPOPESCU, A.

1. Corresponding Member of the Academy of the Rumanian People's Republic (for Huber Panu).

Bucharest, Studii si Cercetari de Metalurgie, No 3, 1963, pp 297-330

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