

PETRE, Augustin

"Fatigue of metals" by St. Madana, B. Horovitz, Al. Bernath,
V. Safta. Reviewed by Augustin Petre. Studii cerc mec apl
M no.4:967-968 '63.

ACCESSION NR: AP4005700

R/0008/63/014/005/1065/1072

AUTHOR: Petre, Augustin

TITLE: Aeroelastic divergence of rotating lifting surfaces with the effect of centrifugal forces taken into account

SOURCE: Studii si cercetari de mecanica aplicata, v. 14, no. 5, 1963, 1065-1072

TOPIC TAGS: aeroelastic divergence, lifting surface, divergence velocity, rotating lifting surface, centrifugal force effect, constant cross section wing

ABSTRACT: The paper presents an analytical calculation of the critical divergence velocity for wings of constant cross section which takes account of the tensile forces. For practical purposes, the critical divergence velocity is calculated through energy and semi-rigid methods which produce good approximate values by proper choice of the function representing the torsion. It is stated that the single expression for critical divergence velocity obtained here can be easily used for practical purposes. Orig. art. has: 34 formulas.

Card 1/2

PETRE, Augustin; STANESCU, Cristian

Aeroselastic effects on the aileron effectiveness by
considering the influence of the end restraints.
Studii cerc mec apl 14 no. 6: 1323-1337 '63.

PETRE, Augustin

Aeroelastic divergence of rotating lifting wings by
considering the effect of centrifugal forces. Rev mec appl
9 no. 3:517-524 '64.

1. Polytechnic Institute, Bucharest.

PETRE, Augustin

"Principles of aeroelasticity" by Raymond L. Bisplinghoff,
Holt Ashley. Reviewed by Augustin Petre. Studii cerc mec
apl 15 no.1:277-278 '64.

ACCESSION NR: AP4042091

R/0008/64/015/002/0325/0337

AUTHOR: Petre, Augustin

TITLE: Distortion of thin-wall closed-profile pipe

SOURCE: Studii si cercetari de mecanica aplicata, v. 15, no. 2, 1964, 325-337

TOPIC TAGS: pipe distortion, transverse section, torsion, bending moment, shearing moment, coordinate system

ABSTRACT. The paper determines deformation equations for thin-wall, closed-profile pipe. As computation hypotheses, the non-deformability of the transverse section is accepted, as well as Umansky's hypothesis relative to the form of deplaning of the transverse section owing to twisting. The introduction of the bending and shearing moments and the main directions of bending and shearing simplifies the expression of these equations. In conclusion, the author gives the differential equations that join the three displacements and the three turns of the transverse section relative to the three axes of the selected coordinate system. Orig. art. has: 54 equations and 1 diagram.

ASSOCIATION: None

Card 1/2

Office, August 1964; 1965, 1966

Internal Security - Communist Party, U.S.A. - Members, U.S.A. -
Internal Security - Communist Party, U.S.A. - Members, U.S.A. -

1. Internal Security - Communist Party, U.S.A. - Members, U.S.A. -

RUMANIA / Farm Animals. Honey Bee. Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40543.

Author : Catana, Petre.

Inst : Not given.

Title : Auxiliary Queens - A Basic Factor in the Utilization of Acacia Flowers.

Orig Pub: Apicultura, 1957, No 1, 19-20.

Abstract: In the horizontal hive of 20 frames, apart from the principal family behind the diaphragm, a nucleus is left for the winter. In spring, the two families are equalized as to strength and feed supply. Five days before the blossoming of acacias, the assistant queen is removed and the two families are united. By this method, 8-9 kg. more honey per family was obtained as compared with the honey crop in the adjoining apiary without subsidiary queens.

Card 1/1

ILIESCU, Gh., dr.; PETRE, G., ing.; ANDRUHOVICI, F., ing.; SHIERKA, A., ing.

Experiments to obtain the NSS semichemical pulp from green
harvested reed. Cel hirtie 10 no.3:90-94 Mr'61.

PETRE, H., correspondent; FERARU, I., correspondent; BARBALATA, St., correspondent;
CRETU, Radu, correspondent; DIMA, Dumitru, correspondent; HARMOS, Gavril,
correspondent; HOTUPAN, Florian, correspondent; BAGDAZAR, Aurel,
correspondent

May 1st, the builders report to the party. Constr Buc 17 no.799:1,3
30 Ap '65.

PETRE, I.; SURARU, N.

Investigations concerning the iodine content of the sources of the water supply of the mountain valleys of the region of the Bistrita. Stud. cercet. endocr. 15 no.2:181-185 '64.

1. Lucrare efectuata in Institutul de igiena al Republica Populara Romina, Filiala Cluj; Sectia de Igiena comunala.

HETRE, I.; BANST, Magdalena

The iodine content of the drinking water of the towns in
Transylvania. Stud. conceit. endocr. 15 no.3:267-269 1964.

GENERAL INFORMATION

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PHIL, I.

RUMANIA

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STRAUS, E.

GHEBERG, N. V.

~~SECRET~~

PETRE, I.

①

STRAUS, H.

RUMANIA

Lecturer

Bucharest, Igiena, Revista de Igiena si Sanatate Publica A Uniunii
Societatilor de Stiinta Medicale din Republica Populara Romina,
No 4, July-August 66, pp 305-309.

"Research on the Variations in Iodine Concentration of Drinking
Water Sources in Transylvania." (Paper compiled at the Institute
for Public Health and Hygiene of the FPR, Cluj Branch, Section
of Communal Hygiene.)

Co-authors:

GHEBERG, N. V.

PETRE, I.

HOSZ, Magdalena

June 2

PETRE, I.

Rate setting and wages, important factors in increasing workers' incentive in the Autobuzul Plant, Bucharest. Probleme econ 17 no.3:138-144 Mr '64.

SURNAME, Given Names

PETRE, I.
Country: Rumania

(2)

Academic Degrees:

Affiliation: *)

Source: Bucharest, Igiena, Vol IX, No 4, Sep-Oct 1961, pp 323-325.

Data: "Aspects of Iodine Concentration in the Mineral Waters of Cluj Regiune."

Authors:

GHELBERG, N. W., -Pharmacist.-

PETRE, I., -Pharmacist.-

*) Work performed at the Cluj Branch of the Rumanian Institute of Hygiene and Public Health (Institutul de Igiena si Sanatate Publica RPR, Filiala Cluj).

GPO 981643

NETAE 171

RU ANIA / Chemical Technology. Chemical Products and Their Applications. Leather. Fur. Gelatin. Tanning materials. Industrial Proteins. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 14050.

Author : ~~Petro, M.~~
Inst : ~~Not given.~~
Title : Use of Sodium Sulfite During Extraction of Tannids From Oak Wood.

Orig Pub: Rev. chim., 1958, 9, No 5, 255-259.

Abstract: Addition of 1.75% of sodium sulfite (per weight of air-dried material) in the process of extraction of tannids from unstripped oak wood increases the yield (by 10-12%) and improves the analytical indicators of the extract obtained.

Card 1/1

hospitalization of 15.75 days; the injuries were caused by chemical burns, firearm wounds, contusions, etc., and resulted in a variety of clinical lesions. Some suggestions relating to the prevention of eye accidents are included.

APPROVED FOR RELEASE Wednesday, June 21, 2000 CIA-RDP86-00513R001240
3 December 1965. Manuscript submitted

PETRE, N., ing.

Indications of the following part of file file machines in the
frame of the maintenance work existing in enterprises.
Ind text Run 15 10.88 10-10 10 10

PETRE, N., ing.

Aspects of wooden window production. *Indi lemmului* 14 no.10:381-383
0 '63.

PETRE, N., ing.

Technological and constructive indications on reducing
the weight the main cylinders for cards. Ind text Rum
15 no. 1:12-15 Ja '64.

PETRE, N., ing.

Some aspects of window manufacturing in Czechoslovakia.
Ind lemnului 15 no. 3:96-102 Mr '64.

PETRE, N., ing.

Directions for the calculation of the lint cleaning pneumatic devices on ring spinning frames. Ind text Rum 12 no.7:275-278 J1'61.

1. Institutul de cercetari textile.

PETRE, N., ing.

Influence of air resistance on the energy consumption of cotton cards. Ind text Rum 14 no.4:152-154 Ap '63.

FETRE, N., ing.

Reduction of energy consumption in starting cotton carding machines.
Ind text Rum 14 no.9:390-391 S '63.

ACC NR: AP6022832

SOURCE CODE: RU/0018/65/000/003/0161/0163

AUTHOR: Petre, Nicolae

ORG: none

TITLE: Some considerations concerning high-productivity cotton carders

SOURCE: Constructia de masini, no. 3, 1965, 161-163

TOPIC TAGS: agricultural engineering, agriculture machinery, processed plant product

ABSTRACT: The author summarizes the principal design improvements of recent years aimed at increasing the productivity of cotton carding equipment. Some "before and after" productivity figures are given to show the effectiveness of the measures. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 02 / SUMB DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1

UDC: 677.21.051.4.001.13

0475 0876

PETRE, N., ing.

On the reduction of power consumption in pneumatic thread installations. Ind text Rum 12 no.3:104-108 Mr '61.

1. Institutul de cercetari textile.

PETRE, Neacsu (Bucuresti)

"Insects... architects and underwater constructors" by L.
Botosaneanu. Reviewed by Neacsu Petre. Natura Biologie 16
no. 1:91 Ja-F '64.

PETRE, F.

"An aircraft mechanic." P. 3, (AVIATIA SPORTIVA, Vol. 5, No. 5, Mar. 1955, Bucharest, Rumania).

SG: Monthly List of East European Accessions, (EEAL), Lc, Vol. 1, No. 1, Jan. 1955, Encl.

FBI G. P.
FBIHQ, R.

"Flight assignment; circuit flight with simple control." p. 2, (AERIAL
SPORTIVA, Vol 5, No. 7, July 1954, Bucharest, Rumania)

SO: Monthly List of East European Accessions, (EMAL), LC, Vol. 1, p. 1
Jan. 1955, Incl.

PETRE, T., coresp.

Scrap iron for steel mills. Constr Buc 17 no. 797:3 17 Ap '65.

PETREA, I., dr.

Incursion in the microcosm of the cell. St si Teh Buc
16 no. 3: 38-41 Mr '64.

1. Institutul de endocrinologie, Bucuresti.

PETREA, D.

RUMANIA

Prof Gh. LUPASCU, Dr Aspasia BOSSIE-ACAVRILLOAEI, Dr M. SMOLINSKI, Dr Eugenia NEGULICI-BALLIF, Dr Piereta CONSTANTINESCU, Biologist Tr. ISPAN, Dr D. PETREA, Dr V. MAZILU and Dr V. ROMAN; Institute "Dr. I. Cantacuzino," Laboratory of Malaria and Pathogenic Protozoa (Laboratorul de malarie si protozoare patogene) Center of Sanitation of Paludism (Centrul de impaludare terapeutica) "Berceni", Hospital (Spitalul) "Gh. Marinescu" and Malaria Stations (Statiile de malarie.)

"The Problem of Quartan Malaria and the Malaria Eradication Program."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 2, Mar-Apr 63; pp 99-112.

Abstract [English summary modified]: Quartan malaria seems especially difficult to eradicate due to spontaneous recurrence of ancient infection and cases where parasitemia is so slight as to be virtually undiagnosable, causing transmission via transfused blood. In 1949, 215 of 50,000 (0.4%) cases were quartan; 1960-1962, 71 of 1361. Graph, 2 tables; 5 case reports; 11 Rumanian, 3 Soviet, 18 Western references.

1/1

LUPASCU, Gh., prof.; BOSSIE-AGAVRILLOAEI, Aspasia, dr.; SMOLINSKI, M.,
dr.; NEGULICI-BALLIF, Eugenia, dr.; CONSTANTINESCU, Piereta, dr.;
ISFAN, Tr., biolog.; PETREA, D., dr.; MAZILIU, V., dr.; ROMAN, V.,
dr.

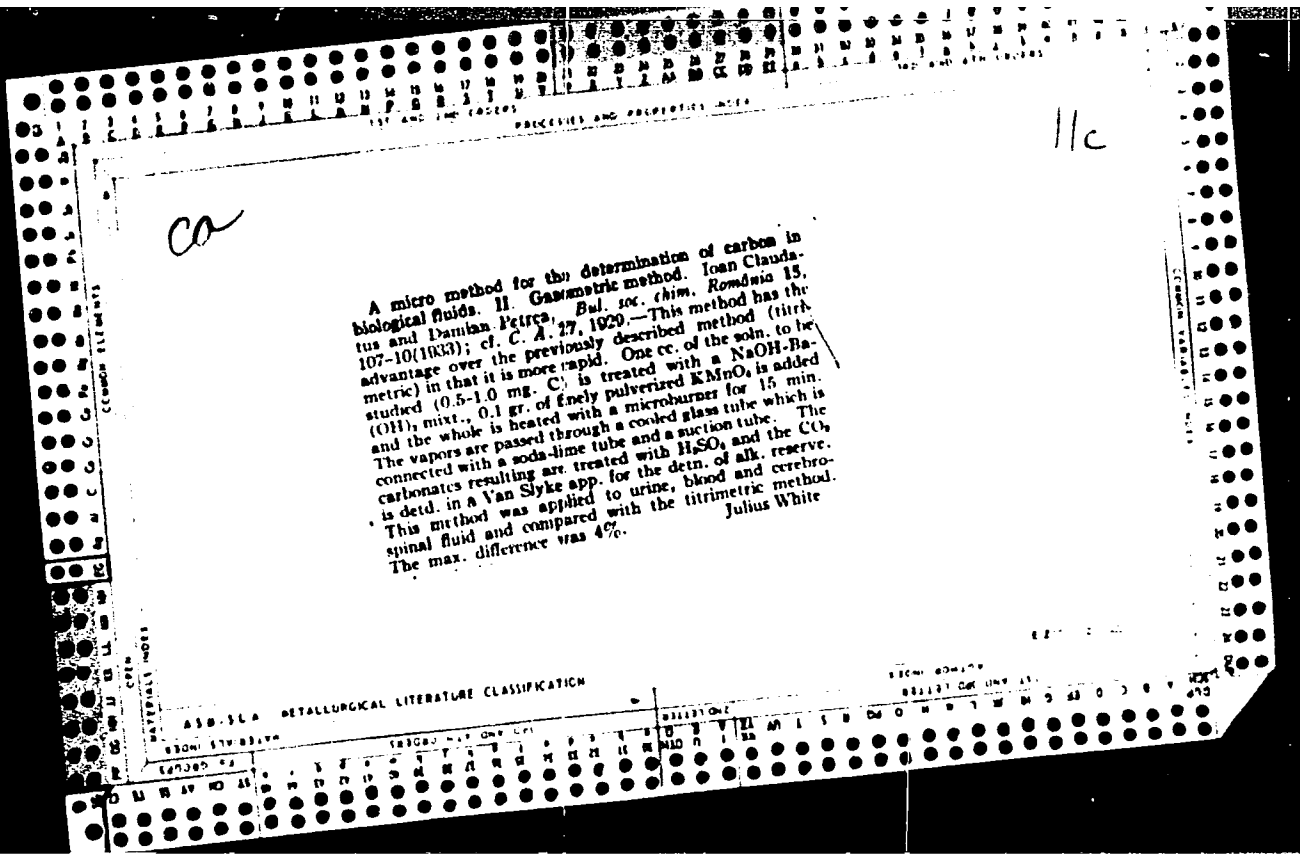
The problem of quartan malaria and malaria eradication programs.
Microbiologia 8 no.2:99-112 Mr-Apr '63.

1. Lucrare efectuata in Institutul "Dr.I.Cantacuzino" Laboratorul
de malarie si protozoare patogene si Central de impaludare terapeutica
"Berceni", Spitalul "Ch.Marinescu", in colaborare cu Statiile de
malarie.

BURDEA, M., dr.; BOLDESCU, Ioana, dr.; PETREA, D., dr.; HOLBAN, Livia, dr.;
SVART, Seli, dr.; NEGRESCU, Verona, dr.; CRISMARU, Victoria, entomolog

Contribution to the study of Isospora belli infestations in
children. *Pediatria (Bucur)* 14 no.1:55-60 Ja-F'65.

1. Lucrare efectuata in Clinica de pediatrie, Iasi.



ESANU, F., ing.; POPESCU, C., biolog; PETREA, G., ing.; HERSCU, O., chim.

Some contributions on the use of straw as raw material in
the paper industry. Col hirtie 10 no. 7/8: 249-258 JI-Ag'61

TOCAN, M., biolog; PETREA, G., ing.; ILIESCU, Gh., dr.

Studies on the spruce and fir wood grown outside the natural
vegetation area used as raw material in paper manufacture.
Pt. 1. Cel hirtie 12 no.7:214-222 J1 '63.

PETREA, G., ing.; ILIESCU, Gh., dr.

Research on spruce and fir wood grown outside their natural habitat
with a view to their use as raw material in the paper industry.Pt.2.
Col hirtie 12 no.8/9:281-287 Ag-S '63.

CONSTANTINESCU, O., ing.; ANTON, I., ing.; BUROVA, T., ing.; HOTOPELEANU, A.,
ing.; KONERTH, H., chim.; POPOVICI, M., chim.; HERSCU, O., chim.;
PETREA, G., ing., PLATON, M., ing.

Obtaining SNS chemical and semichemical pulps from reed by
means of continuous digesting in the Pandia type installa-
tion. Cel hartie 11 no.3:100-101 Mr.'62.

PETREA, G; FLATON, M.; BUROVA, T

A comparative study of the morphology, anatomy, and chemistry of various biotypes of the Danube Delta reed during the vegetative period, as well as of their value for papermaking purposes. I. Morphologic study. p.311

CELULOZA SI HIRTIE. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Industriei Petrolului si Chimie) Bucuresti, Rumania Vol. 8, no. 10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

RUSSIAN / Chemical Technology. Chemical Products and Their Applications. Cellulose and its Derivatives. Paper. H-33

Abs Jour: Ref Zhur-Khimiya, No 3, 1958, 10400.

Author : Iliescu, Gh., Petrea, G.
Inst : Not given.
Title : Technological Balance for a Paper-Making Machine. II. Practical Construction of a Balance.

Orig Pub: Celuloza si hirtie, 1958, 7, No 2, 64-70.

Abstract: A method is described for constructing a balance. Results are given for 8 varieties of paper. This method has advantages over others and can be used for stamping the machine in order to improve its performance and to reduce losses. Part I, see Ref Zhur-Khim, 1958, 38339. Author's abstract.

Card 1/1

141

RUSSIAN / Chemical Technology. Chemical Products and Their Application. Cellulose and its Derivatives. Paper. H-33

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 59559

Author : Iliescu Gh, Petrea G
Inst : -
Title : Technological Balance of a Paper-Making Machine. I. Technological Balance and General Rules for Its Composition.

Orig Pub : Celuloze si hirtie, 1958, 7, No 1, 17-21

Abstract : Principles and mathematical relations are set forth on the basis of calculations for the composition of a technological balance (TB). The form of the composition of the TB of a paper-making machine is cited.

Card 1/1

PETREA, G., ing.; SBIREA, A., ing.; CONSTANTINESCU, D., ing.; ILIESCU, Gh., dr.
TOCAN, M., biolog; ENESCU, C., ing.; DUHNEA, D., ing.; DEDU, V.,
ing. COHN, A., ing.

Improving the physical and mechanical properties of paper by
using Rumanian-made synthetic resins. Cel hirtie 11 no.2:
62-69 F'62.

1. Institutul de Cercetari si Proiectari pentru Hirtie, Celu-
loza si Stuf (for Tocan). 2. Fabrica de hirtie "1 Septembrie"
(for Cohn).

PETREA, I., candidat in stiinte fizico-matematice

Irreversible physical processes. Gaz mat fiz 15 no.10:505-512
0 '63.

157708

RUMANIA / Human and Animal Physiology. Internal Se- T
cretion.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22503.

Author : Parkhon, C. I., Babes, A., Petrea, I., Bur-
gher, E.

Inst : Not given.

Title : The Testicles of White Rats Following Unilat-
erial and Bilateral Parotidectomy.

Orig Pub: Studii si circetari endocrinol Acad. RPP, 1955,
6, No 3-4, 361-365.

Abstract: Following unilateral parotidectomy (F) no changes
were noted in the testicles. Following bi-lat-
eral P an inhibition of sperm-atogenesis with
intact spermatogenic epithelia was noted. This
confirms the functional relationship between the
parotids and the testicles.

Card 1/1

PARHON, C.I., academician.; BABES, A.; PETREA, I^o; ISTRATI, P.; BURGHEE, E.

Study of the structure of submaxillary salivary glands in white rats
Bul. stiint., sect. med. 7 no.2:487-498 Apr-June 55.

(SUBMAXILLARY GLAND, anat. & histol.
struct. in white rats)

PARHON, C.I.,academician.; BABES, A.; PETREA, I.; ISTRATI, F.; BURGHIER,
B.

Structure and sexual dimorphism of the parotid gland of the white
rat. Bul. stiint., sect. med. 7 no.3:851-862 July-Sept 55

(PAROTID GLAND, anat. & histol.

morphol. & sexual dimorphism, in white rat)

(SEX CHARACTERISTICS

sexual dimorphism of parotid gland, in white rat)

PARCHON, C.I., academician,; POTOP, I.; BABES, A.; PETRKA, I.; FELIX,
E.; JUVINA, E.

Decrease in malignancy of methylcholanthrene-induced tumors
(mesenchymomas) in white rats following thymus extract therapy.
Bul. stiint., sect. med. 7 no.3:863-870 July-Sept 55.

(NEOPLASMS, experimental

methylcholanthrene-induced mesenchymomas, eff. of
thymus extract)

(MESENCHYMOA, experimental

methylcholanthrene-induced in white rats, eff. of thymus
extract)

(THYMUS

extract, eff. on methylcholanthrene-induced tumors in
white rats)

PETREA, I.

2
Histo-functional significance of alkaline phosphatase in the salivary glands of guinea pigs after treatment with parotid-gland hydrolyzate. C. I. Parhon and I. Petrea. *Comun. acad. rep. populare Romine* 6, 1121-6 (1956); cf. *Studii si Cercet. de endocrinol.* No. 2, (1958).--The hydrolyzate was prepd. from beef parotid glands by alk. hydrolysis. Treated animals showed an increased alk. phosphatase activity. Alk. phosphatase was distributed in the periphery of the cells, in the cellular membranes, and in the intercellular and interacinal spaces. This distribution demonstrates that the secretion elimination, and utilization of the enzyme is through a secretory mechanism. The elimination of phosphatase in the parotid gland demonstrates that it does not take part in the salivary digestion of carbohydrates but is concerned in blood metabolism. A. Helasz

RUMANIA/Human and Animal Physiology - Internal Secretions
The Thyroid.

I-7

Abs Jour : Ref Zhur - Biol., No 18, 1956, 34388

Author : Parhon, C.I., Babes, A., Petrea, I.

Inst : Rumania AS.

Title : Reticular Tissue Hypertrophy after Atropinization of the
Thyroid Medulla.

Orig Pub : Studii si cercetari endocrinol. Acad. RPR, 1956, No 4,
480-493

Abstract : As 40 γ /kg of atropine were injected into the thyroid (T)
medulla of rats, a reticular tissue (RT) hypertrophy was
observed which was signified by large epithelioid cells
with large nuclei and slightly colored cytoplasm. These
cells form reticular syncytia. Here and there Cassal cor-
puscles were detected. Reactions of RT medulla differ from
T cortical layer reactions.

Card 1/1

RUMANIA/Human and Animal Physiology - Endocrine Glands.

T-9

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32036

Author : Petrea, I., Holban, R.

Inst : _____

Title : Aerosol Insulin and Changes of the Number of Eosinophils in the Blood of White Rats.

Orig Pub : Studii si cercetari endocrinol. Acad. RPR. 1956, 7, No 3, 311-315.

Abstract : A decrease of the quantity of eosinophils in the blood served as an indicator of the action of insulin. With the introduction of insulin in the form of an aerosol, the necessary dose is ~ 300 times greater (8 units) than during intramuscular introduction (0.03 units).

Card 1/1

PETRELLI, I.

RUMMLER/General problems of pathology - Immunity. C.

Abstr Jour : Abstr Jour - Biol., No 21, 1970, 95208

Author : Petrelli, C.I., Babes, R., et al. L.

Inst : Romanian Academy

Title : Significance of Bone Marrow Transplantation of Human Cells
in New Perspectives on Experimental and Clinical

Orig. Pub : Comm. Acad. RSR, 1970, No 1, 615-620

Abstract : Abstract.

Card 1/1

- 32 -

ROMANIA/General Problems of Pathology. Tumors

U-4

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 66023

Author : Parhon C.I., Babus A., Potrea, I., Rosner D.

Inst : Rumanian Academy

Title : The Development of Malignant Human Tumors Following Their Heterotransplantation to Rats Receiving Cortisone.

Orig Pub : Studii si cercetari endocrinol. Acad. RPR, 1957, 8, No 2, 153-162

Abstract : Adenocarcinoma of the rectum, undifferentiated epithelioma of the cervix and adenocarcinoma of the human mammary gland were transplanted to rats which were receiving 15 mg. of cortisone. The heterotransplants survived in these rats, for 240 hours. In control rats these tumors failed to grow.
-- From the author's summary.

Card : 1/1

COUNTRY :Rumania
CATEGORY :Human and Animal Physiology, Internal Secretion T
ABS. JOUR. : PZhBiol., No. 5 1959, No. 22197
AUTHOR :Petrea, I.
LAST. :
TITLE :Testicular Insufficiency and Gynecomastia in a Patient with Bilateral Hypertrophy of the Parotid Glands.
ORIG. PUB. :Studii si cercetari endocrinol. Acad. RPR, 1957, 8, No. 2. 245--247
ABSTRACT : In a patient 35 years of age with left-sided gynecomastia and significant sexual impotence, obesity and a lowered BMR were noted along with bilateral hypertrophy of the parotid glands, which had been present since age 15. The blood cholesterol level was somewhat elevated. There was a history of syphilis contracted more than 10 years earlier. Bilateral removal of the parotid glands of rats, in which sexual dimorphism of the parotids had been established earlier, led to a disturbance in spermatogenesis. After the castration of males, acinous transformation of the parotids was noted,
Card: 1/2

COUNTRY :Rumania T
CATEGORY :Human and Animal Physiology, Internal Secretion

ABS. JOUR. : EzhBiol., No. 5 1959, No. 22197

AUTHOR :
INSTIT. :
TITLE :

ORIG. PUB. :

ABSTRACT :with the formation of a histological pattern typical of females. Testosterone restored the characteristic histological structure of the male parotid gland. The literature reveals an association between hypertrophy of the parotids, gynecomastia and testicular hypofunction.--S.M. Malamud

Card: 2/2

T-58

EXCERPTA MEDICA SEC 5 Vol 12/6 Gen. Path. June 59

1323. NEW TECHNIQUES FOR THE HETEROTRANSPLANTATION OF HUMAN CANCER (HISTOPATHOLOGY; THE OUTLOOK) - Nouvelles techniques concernant l'hétérotransplantation du cancer humain. Interprétations histopathologiques; perspectives - Petrea I. Lab. de Morphopathol. Exp. Inst. d'Endocrinol., Acad. de la République Populaire Roumaine. Bucarest - BULL. ASS. FRANÇ. CANCER 1958, 45/2 (146-162) Illus. 15

For the transplantation of human cancers in cortisone-treated rats, the author advises examination of smears of the tumour for the selection of the fragments to be transplanted. He keeps the material for transplantation from 2 to 14 days in the peritoneal cavity of a cortisone-treated rat. This method is called 'a living test-tube' technique. To obtain optimal blood supply of the transplanted tissue the following methods are recommended: (a) intrauterine grafting in progesterone-treated rats, which leads to pseudoplacenta formation, (b) intramuscular implantation; (c) intraperitoneal implantation with omental fixation of the transplant. The importance of heterotransplantation of human tumours for research and therapy is discussed.

Dux - Warsaw (V. 16)

PETREA

2037. NEW Techniques for the Heterotransplantation of Human Cancer
(histopathology; the outlook) / Nouvelles techniques concernant
heterotransplantation du cancer humain. Interpretations histopathologi
ques; perspectives.

Lab. de Morphopathol. Exp., Inst. d'Endocrinol., Acad. de la République Populaire
Roumaine, Bucarest *Bull. Ass. franç. Cancer* 1958, 45 2 (146-162) Illus. 15
For the transplantation of human cancers in cortisone-treated rats the author advises
examination of smears of the tumour for the selection of the fragments to be trans-
planted. He keeps the material for transplantation from 2 to 14 days in the peritoneal
cavity of a cortisone-treated rat. This method is called 'a living test tube' technique.
To obtain optimal blood supply of the transplanted tissue the following methods are
recommended: (a) intrauterine grafting in progesterone-treated rats, which leads to
pseudoplacenta formation; (b) intramuscular implantation; (c) intraperitoneal
implantation with omental fixation of the transplant. The importance of hetero-
transplantation of human tumours for research and therapy is discussed.

Dux - Warsaw

RUMANIA / Farm Animals. General Problems. Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7266

Author : Boncota, D. I.; Petrea, I.

Inst : Not given

Title : Green Foods - the Main Source of Production
in Animal Husbandry

Orig Pub : Re. gospod. agric. stat., 1958, No 3, 13-16

Abstract : No abstract given

Card 1/1

9

PETREA, I.

PARHON, C.I. (Member of the Academy): PETREA, I.

Endocrino-cancerologic investigations in the Rumanian People's
Republic. Rumanian M. Rev. 2 no.1:56-62 Jan-Mar 58.

(ENDOCRINE GLANDS, in various dis.
cancer, etiol. factors, review)

(NEOPLASMS
hormone ther. & etiol. factors of endocrine secretion,
review)

(HORMONES, ther. use
cancer, review)

PARHON, C.I., acad.; POSTELNICU, D.; PETREA, I.

Some remarks on the morphology of the anterior pituitary in aged subjects. Rumanian M. Rev. 3 no.3:11-12 J1-S '59.

1. "Prof. Dr. C.I.Parhon" Endocrinology Institute of the R.P.R. Academy.

(PITUITARY GLAND, ANTERIOR in old age)

PETREI, I.

Role of the adrenal glands in the development and therapy of cancer. Neoplasma, Bratisl: 6 no:3:249-256 1959.

1. Laboratoire de Morphopathologie experimentale, Institut
d'Endocrinologie de l'Academie de R.P. Roumanie, Bucarest
(ADRENAL CORTEX, physiol.)
(NEOPLASIS, physiol.)

MILCU, St. M.; PETREA, I.

On the capacity of the thyroid gland tissue for metaplasia under the influence of methylcholanthrene and endogenous thyrotropic hormone. Neoplasma, Bratisl. 7 no. 1: 18-25 '60.

1. Institut endokrinologii ineni K. I. Parkhoma Akademii RNR, Bukharest, Rumyniya.

(METHYLCHOLANTHRENE pharmacol.)

(THYROID GLAND pharmacol.)

(THYROTROPIN pharmacol.)

PETREA, I.

Research on tumorigenesis of certain endocrine glands (thyroid,
hypophysis and adrenal). Neoplasma 8 no.2:145-156 '60.

(NEOPLASMS exper) (THYROID GLAND neopl)
(PITUITARY GLAND neopl) (ADRENAL GLANDS neopl)

RUMANIA / Human and Animal Physiology. Inner Secretion.

T-7

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3513

Author : Parhon, C. I.; Babes, A.; Petrea, I.

Inst : Rumanian Academy

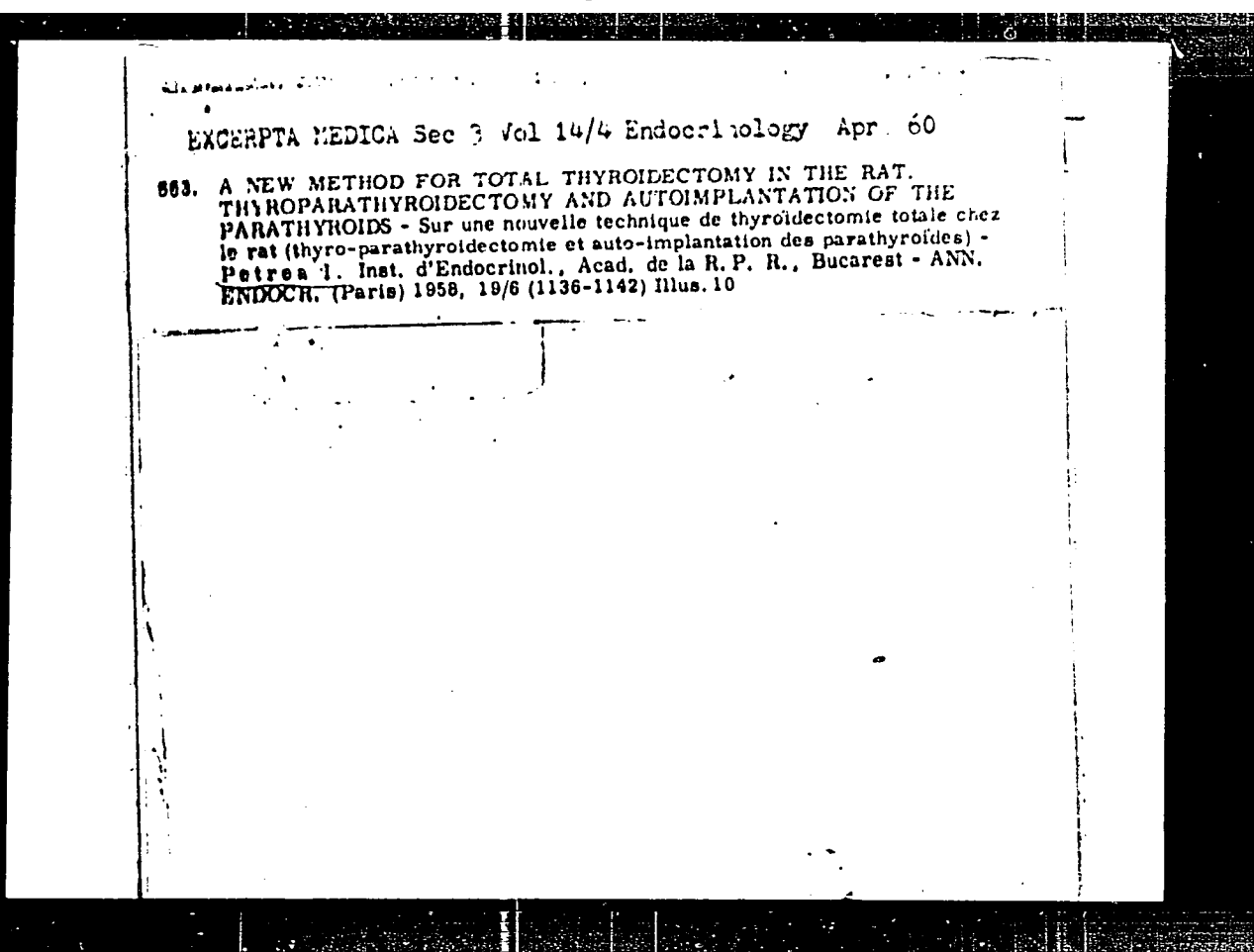
Title : Possibility of Endocrine Interrelation Between Gall Bladder, Liver and Testicles

Orig Pub : Studii si cercetari endocrinol. Acad. RFR, 1957, 8, No 2, 197-205

Abstract : Guinea pigs were destroyed 3 - 243 days after removal of gall bladder. Depending on the time passed after the operation, 3 kinds of liver lesions were noted: (1) stasis-manifestations in liver with dystrophic cell lesions; (2) fat dystrophy with intercytic accumulation of lipoids; (3) cirrhotic lesions with multiplying of ducts and connective tissue. At the same time, dystrophic manifestations were noted in the pancreas, adrenals, and

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PETREA, I.

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,
Vol XI, No 9, 1961, pp 1137-1140.

Data: "Aspect of the Epiphysis Under the Electron Microscope;
Secretary Nature of These Cells."

Authors:

MILCU, St.-M., -Academician.-
PETREA, I.

PETREA, I.

Elements of cellular ultrastructure. (General problems and applications to endocrinology. Stud. cercet. endocr. 13 no.5: 605-617 '62.

(CELL NUCLEUS) (PROTOPLASM) (MITOCHONDRIA)
(MICROSCOPY, ELECTRON) (ENDOCRINE GLANDS)

MILCU, St., academician; PETREA, I.; SAHLEANU, V.; HOLBAN, Ruxandra

Ultrastructure of the pineal gland after castration and after the
administration of sex hormones. Stud. cercet. endocr. 13 no.5:617-
622 '62.

(PINEAL BODY) (CASTRATION) (SEX HORMONES)
(MICROSCOPY, ELECTRON)

ZIMEL, H.; PETREA, I.; MACRINEAMU, A.; HILLEBRAND, A.

The effects of the riboazauracil and novoembihin on the experimental tumours and on the endocrine system in the hypophysectomized rats. Neoplasma 10 no.5:469-481 '63.

1. Institute of Endocrinology "C.I.Parhon" of the R.P.R. Academy, Bucarest, Roumania.

PETREA, I., dr.

A new method of research in medicine and biology. St si Teh Buc 16 no.
2:32-33 F '64.

1. Institutul de endocrinologie "C.I.Parhon" al Academiei R.P.R.

PETREA, I.; ANDREI, S.

Fluorescence microscopy of smear preparations and sections in experimental production of thyroid and pituitary tumors. Stud. cercet. endocr. 15 no.6:525-528 '64.

PETREA, Y.

Research on the experimental production of thyroid cancer.
Stud. cercet. endocr. 16 no.13-15 '65.

PETREA, I.

Optic and electronic cytology of the anterior pituitary under
some hormonal influences. Stud. cercet. endocr. 15 no.1:17-28 '64.

PETREA, I.; STATESCU, O.

The technique of microelectronic autocytoradiography with
p³² and I¹³¹. Rev. sci. med. 8 no.3/4:135-140 '63.

(RADIOAUTOGRAPHY) (PHOSPHORUS ISOTOPES)
(IODINE ISOTOPES)

PETREA, I.; HILIBRAND, A.

Ultrastructure of the pineal body after administration of sex hormones in castrated and hypophysectomized rats. Stud. cercet. endocr. 15 no. 2:111-115 '64.

L 45305-66 EMP(1)/T/EMP(k) JW

ACC NR: AR6023302

SOURCE CODE: UR/0058/66/000/003/H071/H071

AUTHOR: Akhmetzyanov, K. G.; Petrea, I. K. 51
B

TITLE: Velocity and absorption of ultrasound in a binary mixture of ethyl alcohol and water at relatively low temperatures

SOURCE: Ref zh. Fizika, Abs. 3Zh495

REF. SOURCE: Tr. 1-y Mezhvuz. nauchn. konferentsii po primeneniyu molekul. akust. k issled. veshchestva i v nar. kh-ve. Tashkent, 1964, 125-132

TOPIC TAGS: ultrasound absorption, ultrasonic velocity, ethyl alcohol, aqueous solution, optic method, light diffraction, temperature dependence

ABSTRACT: An optical diffraction method was used to measure the velocities and absorption of ultrasound in aqueous solutions of ethyl alcohol with different concentrations, at ultrasound frequencies 15 -- 20 Mcs and at temperatures from -20 to +20C. The results obtained confirm and supplement the known published data. In the concentration region 14 -- 16%, the temperature coefficient of ultrasound velocity reverses sign; here all the velocity vs. concentration curves in this region (and not at

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ACC NR: AR6023302

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a 17% concentration as given with decreasing temperature, the absorption of ultrasound in the solutions increases; the increase is especially strong at concentrations 42% -- 48%. In the entire temperature range, these concentrations correspond to an absorption peak which becomes smoothed out with increasing temperature and shifts slightly towards larger concentrations. V. Shutilov. [Translation of abstract]

SUB CODE: 20

Card 2/2

PETRE, T.

Realization of a variant of the I. V. Kudriavtsev system for the construction of machines for checking the fatigue of metals. p. 19.

METALURGIA SI CONSTRUCTIA DE MASINI

Vol. 8, no. 3, Mar. 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

PETREA, I.C.

Propagation speed of the front of the supersonic wave in the
 $C_2H_5OH-H_2O$ binary system. Studii term fiz 16 no.7:799-808 '64

1. Bucharest University.

PETREȚ, V.

✓ The resistance of some cereal plants to sodium chloride.
V. PetreȚ (Fac. biol., Bucharest). Rev. univ. "C. I. Par-
bon" ~~Bolsh.~~ Bucaresti, Ser. stii. nat. No. 2, 121-3
(1953).--The following results were obtained: The ger-
mination is delayed and inhibited according to the increase
of NaCl concn. The growth rate of leaves and roots de-
creases considerably when the concn. of the NaCl solu. is
above 0.5%. The osmotic pressure and the viscosity of the
protoplasma increase with the increase of NaCl concn.

R. Mavrodineanu

PL 7-11-16
TOMA, A.; LEIZEROVICI, L.; PETREANU, G.; TONESCU, C.; CUGU, P.

Separation of tuberculous allergy into tuberculin allergy and allergy to B.C.G. bodies; priority of Rumanian research. Bul. stiint., sect. med. 9 no.1:163-170 1957.

(TUBERCULIN REACTION

difference in tuberculin allergy & allergy to B.C.G. bodies, discovery by Rumanians)

SARAGEA, Alice, dr.; PETREANU, R., dr.; POPA, S., dr.; NICULESCU, I., dr.;
MAXIMESCU, Paula, dr.; MARION, Maria, dr.; ROMAN, Elisabeta, dr.

Importance of sub-clinical forms for diphtheria epidemiology.
Electrocardiographic studies. Pt.2. Microbiologia (Bucur.)
10 no.4:335-342 Jl-Ag '65.

1. Lucrare efectuata in Sectia de difterie a Institutului "Prof.
Dr. I. Cantacuzino" (sef sectie: dr. Gn. Calalb, doctor in stiinte
medicale), si Catedra de fiziopatologie, Institutul medico-farma-
centiv, Bucuresti (conducator: conf. M. Saragea, doctor in stiinte
medicale).

PONI, Marguerite P., dr. prof. de chimie inorganica; GAIGINSKI, Alexandrine;
STRAT, Helene; PETREANU, Viorica; PAVEL, Marianne; BOSTAN, Marcel

Bacteriostatic and bactericide action of the compound 1,8-
oxyquinoline ICl_3 in vitro and in vivo. Anal St Jassy I 10
no.1:37-43 '64.

1. University of Iasi, Rumania (for Poni).

GAINGINSCHI, Alexandrina; PETREANU, Viorica; TIMOSCA, Sofia; RADU, C.;
BURCOVEANU, Constanza; IONESCO, Michaela; MURGESCO, Tantzsi.

Dissociation of the BCG strain under the action of heat.
Arch. roum. path. exp. microbiol. 23 no.3:617-622 S'63

1. Travail de l'Academie de la Republique Populaire Roumaine;
Section de Biomorphologie et de l'Institut Medico-Pharmaceuti-
que de Jassy; Laboratoire de Microbiologie.

PETREMS, Jan. dr.

Interesting forms of development in the innovation movement of
the Czechoslovak Socialist Republic. Ujit lap 15 no.17:6-7
10 S '63.

ACC NR: AP7002705

A)

SOURCE CODE: UR/0115/66/000/012/0028/0031

AUTHOR: Novitskiy, L. A.; Petr^echenko, B. I.; Varakina, L. P.

ORG: none

TITLE: Determining the integral radiation factor of solid-state materials and coatings at low temperatures

SOURCE: Izmeritel'naya tekhnika, no. 12, 1966, 28-31

TOPIC TAGS: thermal radiation, low temperature, low temperature research

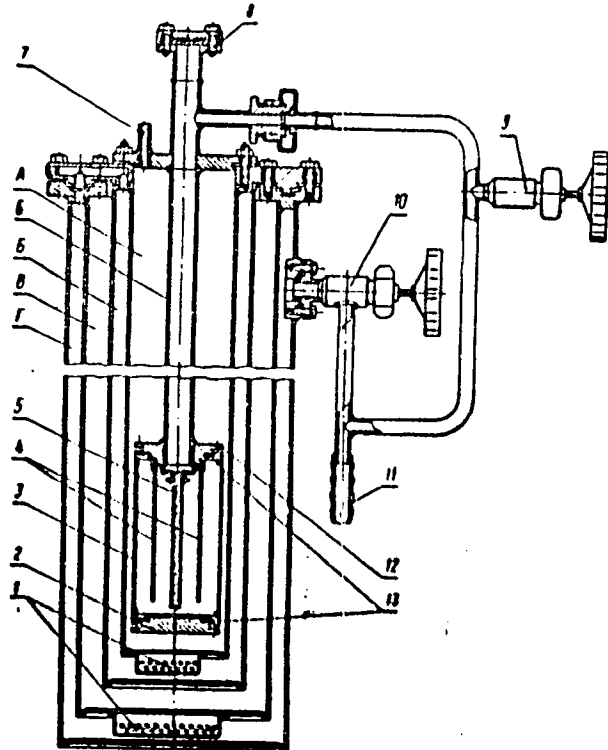
ABSTRACT: The development of an apparatus for measuring integral thermal-radiation factor ϵ within the 10--250K range is reported. The apparatus (see figure below) was developed along the lines of the classical calorimetric method. The principal part of the apparatus is thin-wall chamber 3 with copper flanges 2 and 12 sealed by teflon gaskets 13. A thin-walled specimen tubing 5 (3 mm diameter, 100 mm long, 0.2--0.4 mm wall thickness) is placed in the chamber, which is suspended by stainless-steel tubing 6 from the cryostat lid. This apparatus was tested at 100--200K, and the results of ϵ measurement were found in good agreement with those obtained by A. Goldsmith et al., ("Handbook of Thermophysical Properties of Solid Materials", 1961-63). Estimated error of measurement was $\pm 8\%$. Orig. art. has: 2 figures, 4 formulas, and 2 tables.

SUB CODE: 20 / SUBM DATE: 07Jun65 / ORIG REF: 000 / OTH REF: 001

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UDC: 536.24.083:536.48

ACC NR: AP7002705



Cord 2/2

PETREDEANU, D.

"Analysis of the fulfillment of the budget of incomes and expenses."

F. 5 (Drumul Belsugarii, No. 5, May 1957)
Bucharest Rumania

30: Monthly Index of East European Accessions (EAI) IC. J. 7, no. 4,
April 1958

PETREDEAN, J.

"Analysis of the fulfillment of the budget for incomes and expenses."

p. 5, (Dramul Belsug lui) No. 6, June 1957
Bucharest, Rumania

SO: Monthly Index of East European Acc sions (MEM) DC. Vol. 7, n. 4,
April 1958

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S/194/62/000/004/035/105
D201/D308

7.4150

AUTHOR: Petřek, Alois

TITLE: A method and equipment for vacuum tube assembly

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 4, 1962, abstract 4-3-40a (Czechosl. pat., cl.
21g, 13/06, no. 96889, 15.10.60)

TEXT: A method and equipment is proposed for mounting the grids of a cathode-ray tube during its assembly, which eliminate the harmful effects of expansion of tie pieces resulting from an uneven thermal loading of separate grids. The grid system structure and its assembly have been designed on the assumption that, for a possible difference in temperature loading of grids, the length of the spiral of one of them increases or decreases by $\Delta l = \alpha l - \Delta t$, where l - the length of the tie piece (from the point where the tie piece leaves the mica wafer to the last turn of the grid), α - the temperature expansion coefficient of the tie piece, Δt - the difference in temperature of the tie pieces of both grids. In this

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A method and equipment ...

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case, the height to which the turns of one grid are raised with respect to the turns of the other, should be altered by $\Delta s = \frac{\Delta l}{n}$ where n - the number of turns. If the above conditions are satisfied the turns of the grids of a heated tube will be arranged in the required position, i.e. the turns of every consecutive grid will be situated in the 'electrostatic shadow' of the preceding grid. During assembly the required magnitude of displacement of turns of one grid with respect to the other is obtained using a special device consisting of an eyepiece (for visual control) and of a stand, the required displacement angle being set by turning the latter, so that the turns of one grid become displaced with respect to those of the other by a magnitude l . [Abstracter's note: Complete translation.]

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Card 2/2

SECRET, Series 100.

Use of front of envelope in the signature and the
practical work of the CIA.

PETREK, J.

Humidity conditions of the Skalnaté Pleso area in the years
1941 - 1960. Meteor zpravy 16 no. 5:137-143 0'63.

1. Pobočka Hydrometeorologického ústavu, Bratislava.

CZECHOSLOVAKIA

GOLDA, V.; ~~PETREK, J.~~; LISONEK, P.; Laboratory of HNA, Medical Faculty, Palacky University, Olomouc; Institute of Anatomy, Medical Faculty, Palacky University, Olomouc. [Orig. version not given].

"Different Cortical Projection of the Fore and Hind Limbs in the Cat."
Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 180-181

Abstract: Morphological differences in cortical potentials evoked by the stimulation of the fore and hind limbs are discussed. Experiments conducted on 6 cats with implanted epidural electrodes distributed on the cortex surface are described. Some electrodes were also located in the depth of the sulcus cruciatus. EP were recorded both in resting wakeful state, and after Nembutal or chloralose administration. Oligosynaptic cortical afferentation in the pericruciate area is marked more for the forelimb than for the hind limb. Differences in the cytological structure show that in the fore limb the fourth layer is differentiated, while in the area of the hind limb this layer is absent. 1 Figure, no references. Submitted at the 4th Interdisciplinary Confer. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

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GOLDA, V.; PETREK, J.; LISONEK, P.

Short-latency cortical evoked potentials in cats with implanted electrodes. *Activ. nerv. sup.* 6 no.1:45-47 '64

The morphological and electrophysiological characteristic of gyrus sigmoideus posterior of the cat's brain. *Ibid*:47-49

*

~~...~~ GOLDA, V.; PETREK, J.; LISONEK, P.;
Laboratory of HNA, Medical Faculty, Palacky University, Olomouc;
Institute of Anatomy, Medical Faculty, Palacky University, Olomouc.
[Original version not given].

APPROVED FOR RELEASE: Wednesday, June 21, 2000. CIA-RDP86-00513R001240

Prague, *Activitas Nervosa Superior*, Vol 8, No 2, Jun 66, pp 181-182

Abstract: Laterality was determined by the Cole test and the Grastyan-Molnar tests. 12 cats were studied in 10 sessions, each with 25 trials. 10 cats showed statistically different results in the 2 tests. A significantly higher variance in results was shown in the second test. In the first method the prevalence of one limb is more pronounced; 10 cats showed laterality in 80% of experiments, while only 3 cats showed a definite laterality in the second test. No references. Submitted at the 4th Interdisciplinary Confer. of Exper. and Clin. Study of Higher Nerv. Functions at Marianske Lazne, 12-15 Oct 65. Article is in English.

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stimuli were presented at 1-2 minutes intervals.
A marked difference between responses of the dominant and non-dominant forelegs in the presentation of correct reactions was found. In spontaneous responses in laterality tests, laterality is more marked than in the complex situation of conditioned reflexes. With progressive training in laterality tests, it becomes more pronounced; in conditioned reflexes it disappears. No references. Submitted at the 4th Interdisciplinary Confer. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

1/1

GOLDA, V., PETREK, J., LISONEK, P.; Palacky University School of Medicine, Laboratory of Higher Nervous Activity, and Department of Anatomy [original language version not given], Olmouc, Czechoslovakia.

"The Extent of the Motor Cortex in the Posterior Sigmoid Gyrus in the Cat."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIV, No 1, 1963, pages 95-100.

Abstract: [English article, authors' English summary] In cat, the borderline between the area of the motor and the sensory cortex, in the region of the posterior sigmoid gyrus, has been found to be formed by the postcruciate sulcus, in agreement with the opinion of V.M.Svetukhina. The results obtained indicate that the different cytoarchitectonial regions of the posterior sigmoid gyrus correspond to the evoked potentials with different latencies of the positive phases. It was found by the authors that during stimulation of the cutaneous and muscle branches of the radial nerve, in the area between the cruciate sulcus and the postcruciate sulcus, the latency of the positive phase is considerably longer than in the region which is situated occipitally to the postcruciate sulcus. In some of the preparations a special form of evoked potential has been observed at the site of the postcruciate sulcus. 3 Eastern European, 9 Western references.

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CZECHOSLOVAKIA

V. GOLDA, J. PEŠEK and P. LIŠEK, Laboratory of Higher Nervous Activity of the Medical Faculty of Palacký University (Laborator Ústřední Nervové Činnosti) Lékařské fakulty 12 Palackého ul. v Olomouci, Chief (vedoucí) Prof. Dr. Jan PEŠEK, Ústav a katedra Anatomie (ústav normální anatomie), Head Prof. Dr. J. ZDRAVÝ, Olomouc.

"The Extent of the So-Called Motor Cortex in the Posterior Sigmoid Gyrus in the Cat.

Prague, Acta Nervosa Suppl., Vol. 1, No. 1, Jan 63, pp 57-60.

Abstract: Histologic and electrophysiologic studies demonstrated that the sulcus postero-cistatus in the posterior sigmoid gyrus forms the border between sensory and motor cortical areas in cats. Photomicrograph, photograph of outside of area; oscillographic patterns: 2 Soviet and 3 Western references.

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