

CHERNOV, M.S.; dots.; MIKEROVA, V.V., dots.; VORSINA, M.A., dots.;
KUVSHINNIKOV, I.M., dots.; MIL'CHEV, V.A., dots.; MAYYER,
M.M., prepod.; IVANOVA, V.M., assist.; TITOV, V.F., prepod.;
GRISHINA, L.V., assist.; BELYAYEVA, Ye.M., assist.; POPOVA,
L.F., assist.; GUSEV, S.P., prof., red.; SERGEYEVA, A.S.,
tekhn. red.

[Laboratory manual on general chemistry; for the students
of the institutions of higher learning specializing in the
study of commodities and technology] Rukovodstvo k praktiche-
skim zaniatiyam po obshchei khimii dlia studentov tovarove-
denykh i tekhnologicheskikh spetsial'nostei vysshikh ucheb-
nykh zavedenii. Pod obshchei red. S.P.Guseva. Moskva, 1962.
206 p. (MIRA 16:9)

1. Moscow. Institut narodnogo khozyaystva. Kafedra obshchey
khimii.

(Chemistry--Laboratory manuals)

VASILEV, Khr.; MILCHEVA, IU.

Kinetics of the oxidation of arsenosulfide in hypochlorite solution. Godishnik khim tekhn 9 no. 3: 1-7 '62 [publ. '63]

MILCHEVA, M.

Comparative studies of various laboratory methods in determining the need of potassium manuring for the main types of soils in Bulgaria. Izv. Inst "Nikola Pushkarov" no.5:137-151 '62.

MILCHEVA, M.; RAIKOV, L.

Extent of the P³² phosphorus secondary fixation determined in
the process of preparing soil extracts. Iav Inst "Nikola
Pushkarov" 6:85-91 '63.

SOV/137-59-1-1721
Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 227 (USSR)

AUTHOR: Mil'chevskiy, V. K.

TITLE: A Review of the System of Industrial-engineering Planning of
Factory Shops (Peresmotret' sistemu tekhnicheskogo proyektirovaniy
tsekhov)

PERIODICAL: V sb.: Materialy Soveshchaniya glavn. metallurgov z-dov i in-tov
avtomob. prom-sti. Nr 4. Moscow, 1958, pp 106-107

ABSTRACT: The author points to the need for the simultaneous progress of both th
industrial-engineering design of a shop and the operational design of
equipments to be adhibited therein, especially in the case of non-
standard equipment, in order that experimental equipment units be
completed and ready for testing coincident with the completion of the
shop structure itself.

M. Ts.

Card 1/1

S/182/61/000/004/003/007
D038/D112

AUTHORS: Zolotukhin, N.M. and Mil'chevskiy, V.Ya.

TITLE: Upsetting pipes

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 4, 1961, 13-15

TEXT: The article describes a method of upsetting thickened end sections of pipes for excavators. The method of upsetting pipes both in a calibrated ring and without dies was submitted in 1955, and is under development at the NIIPMASH (Kramatorsk). The NIIPMASH in conjunction with NKMZ have tested 299 x 12, 299 x 14, and 180 x 12 mm dimension pipes for excavators for which grade 20 or M steel with no more than 0.12% C, 1.3-1.7% Mn, 0.3-0.6% Si, 0.15-0.4% Cu, 0.01-0.03% Ti, 0.3% Cr and Ni, 0.045% S and 0.04% P, were used. The device, mounted on a lathe frame, comprised: a working tool, a wedged mechanism with hydraulic drive for clamping down the upset pipes, a hydraulic drive for feeding the pipes, and a device for the coordination of pipe and inductor feed. It is stated that (1) the mechanical properties and fiber texture in the upset metal did not differ from the initial metal; (2) the metal grain microstructure could be controlled by the temperature of upsetting and (3) it was possible to upset pipes with a 2-3 fold wall thickening in a single operation by a continuous step-by-step method. Candidate of Technical Card 1/2

Card 2/2

Upsetting pipes

S/182/61/000/004/003/007
D038/D112

Sciences N.M. Zolotukhin supervised the work, and Engineer V.Ya. Mil'chevskiy developed the method (Author's Certificates no. 104402, 114615, and 117296). There are 7 figures and 1 Soviet reference.

Card 2/2

BALANDIN, Mikhail Vasil'yevich; MIL'CHIK, E.A., redaktor; CHICHERIN, A.N.,
tekhnicheskiy redaktor.

[Laboratory work on the technology of the book binding and
stitching industry] Laboratornye raboty po tekhnologii broshi-
rovochno-perepletnogo proizvodstva. Moskva, Gos. izd-vo
"Iskusstvo," 1954. 167 p. (MLBA 7:11)
(Bookbinding)

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

K-5

Ats Jour : Ref Zhur - Biol., No 9, 1956, 39314

Author : MIL'chin, M.I.

Inst : Moscow Agricultural Academy Insti K.A. Timiryazev

Title : The Reaction of Plants of Different Tomato Varieties to Light During the Period of Growth of the Seedlings.

Orig Pub : Dokl. Mosk. s.-kh. akad. na. K.A. Timiryazeva, 1957, v. 28, 355-361

Abstract : The following Tomato varieties were grown in the winter (beginning in December) in a glasshouse at temperatures of 20-22° by day and 14-16° - by night: Bizon 639, Gruntovoy Gribovskiy 1180, Shtambovy, Alpat'eva 905a and Luchshiy iz vsekh 318. Under normal light, the Luchshiy iz vsekh variety grew best. The Bizon and

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USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

H-5

Abstr Jour : Ref Zhur - Biol., No 9, 1958, 39314

"Luchshiy iz vsekh" varieties showed the best reaction when their seedlings were illuminated (for 16 hours a day) by incandescent lamps (1000 wt/m²). The best reaction under luminescent lamps (300 wt/m²) was shown by the Bison and Gruntovoy Gribovskiy varieties. The chlorophyll content determination in leaves of plants grown in natural light showed that the more intensive the coloration of the leaves is, the higher is the capability of the plants to assimilate under insufficient light conditions. -- G.H. Chernov

Card 2/2

MIL'CHIN, T., ekonomist

Aiding state farms apply the new wage regulations. Sots. trud 7
no.8:113-118 Ag '62. (MIRA 15:10)

1. Sovkhoz "40 let Oktyabrya", Krymskaya oblast'.

(Crimea Province--Agricultural wages)

STAROBINETS, G.L.; FISHER, I.Z.; MIL'CHINA, M.G.

Surface demixing. Kolloid. Zhur. 15, 219-22 '53.
(CA 47 no.18:9103 '53)

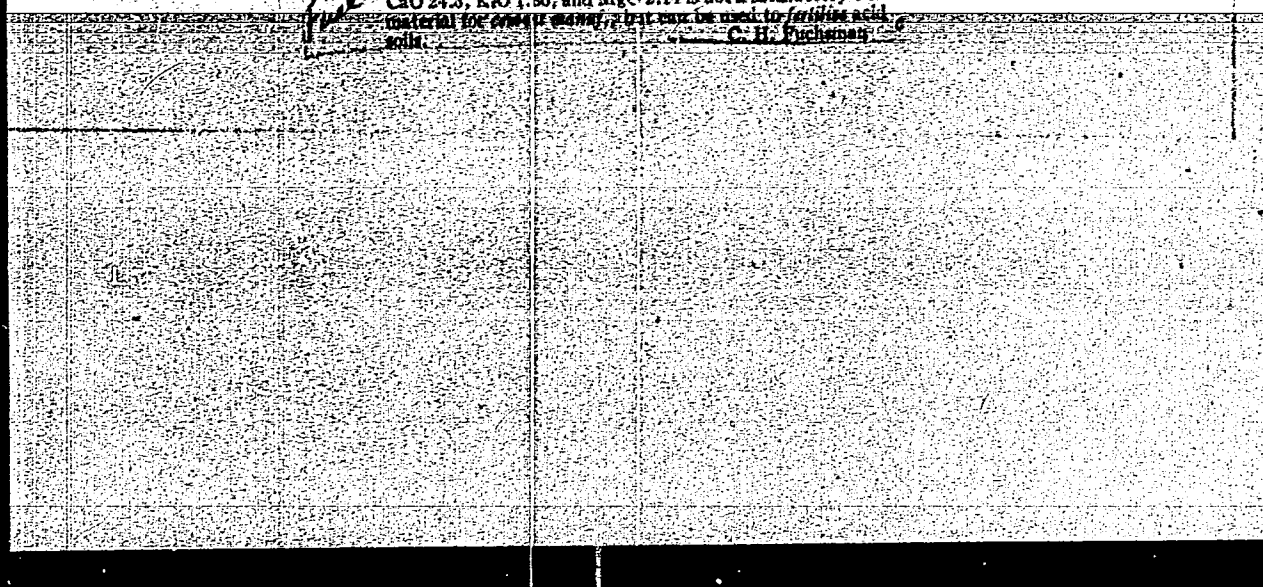
(MLRA 6:5)

MILCHINA, M. G.

Utilization of peat ashes. A. S. Barkan, M. I. Mazel,
and M. G. Milchina. *Uchenye Zapiski, Belorus. Gosudarst.
Univ. im. V. I. Lenina, Ser. Khim.* 1955, No. 24, 114-22.
Fine peat ash constg. (%) SiO₂ 41.8, Al₂O₃ + Fe₂O₃ 23.83,
CaO 24.3, K₂O 1.36, and MgO 2.14 is not a satisfactory raw
material for cement manuf., but can be used to fertilize acid
soils. C. H. Fuchsman

Fuel

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L 40920-65 EKC(b)-2/EWA(h)/EWT(1) PI-L/PJ-L/PN-L/PAC-L/PEB JM
ACCESSION NR: AP8007301 S/0057/85/035/003/0519/0527

AUTHOR: Levin, G.Ya.; Verbitskiy, I.L.; Vigdorovich, V.I.; Maksimov, V.I.; Mil'chik, M.V.

TITLE: Influence of asymmetry of the interelectrode space on the static characteristics of a cylindrical magnetron

SOURCE: Zhurnal tekhnicheskoy fiziki, v.35, no.3, 1985, 519-527

TOPIC TAGS: magnetron, axial symmetry, current distribution, cutoff field

ABSTRACT: The azimuthal distribution of anode current was measured in cylindrical magnetron diodes in which the cathode was displaced from its normal position (in which it is coaxial with the anode), and the results are compared with theoretical calculations. The measurements were undertaken to determine whether imperfect geometry can explain the rather large anode currents observed in magnetrons at magnetic fields greater than the cutoff value. The conclusion of O.Baneman (Sb. Elektronnyye svch pribory so skreshchennymi polyami, 1, 181, 1961) that geometric effects are not capable of explaining the observed currents would appear to be unfounded. Measurements were made with diodes having anode to cathode diameter ratios from 0.1 to

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0.5. The tubes were operated with low anode voltages to assure space charge limitation of the cathode current. Eight probe electrodes were embedded in the wall of the anode and the azimuthal distribution of the anode current was determined by measuring the currents to these probes. With zero magnetic field the anode current was maximum in the direction of smallest separation between the electrodes. As the magnetic field was increased the azimuth of maximum anode current shifted in the direction of electron rotation and the ratio of maximum to minimum anode current increased. This ratio became very large (substantially infinite, as well as one can tell from the published polar curves) for magnetic fields beyond the cutoff value. Azimuthal distributions of anode current were calculated with the "equivalent diode" model, in which the nonaxial diode is treated as a superposition of parts of axial diodes, each with its own appropriate interelectrode spacing. Satisfactory agreement was obtained between theory and experiment. The authors state no conclusions concerning the possibility of explaining the beyond cutoff current observed in practical magnetrons as a consequence of the

concerning the possibility of explaining the beyond cutoff current observed in practical magnetrons as a consequence of deviation from axial symmetry. Orig.art.has:
20 formulas and 10 figures.

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L 40920-65
ACCESSION NR: AP5007301

ASSOCIATION: Institut radiofiziki i elektroniki AN SSSR, Khar'kov (Institute of Radiophysics and Electronics)

SUBMITTED: 18Jun64.

ENCL: 00

SUB CODE: EC,EM

NR REF SOV: 004

OTHER: 006

Card 3/3 p 43

LEVIN, G.Ya.; VERBITSKIY, I.L.; VIGDORCHIK, V.I.; MAKSIMOV, V.I.;
MIL'CHO, M.V.

Asymmetry of the interelectrode space and its effect on the
static characteristics of a cylindrical magnetron. Zhur. tekh.
fiz. 35 no.3:519-527 Mr '65. (MIRA 18:6)

1. Institut radiofiziki i elektroniki AN SSSR, Khar'kov.

HILCHO, I.

Determining a straight pathway to connect three points of a general position on the shortest possible road. Tr. from the Bulgarian. p. 33.
(KOZINETSKI. Vol. 21, no. 1/h, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (MEAL) IC. Vol. 6, no. 12, Dec. 1957.
Incl.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Cellulose and Cellulose Products. Paper. K-5

Abs Jour: Ref Zhur-Khimiya, No 1, 1958, 3269.

pulp per year, which is equivalent to saving 5000 tons of waste paper or 8000 tons wood pulp. The flow sheet of a plant for the production of pulp is given.

Card : 2/2

MILCHOVA, G., inz. Sc,

What is new in sulfite pulping? Papier a celulosa 20 no.2:36 P '65.

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

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 10395.

Author : Milohova, G.

Inst : ~~NOT GIVEN~~

Title : Production of Sulfite Cellulose in High Yield.

Orig Pub: Papiripar, 1958, 2, No 2, 46-52.

Abstract: The production technology of sulfite cellulose (C) devised in Czechoslovak factories made possible an increased C yield. A mixture of 80% coniferous wood pulp and 20% poplar was treated. Defibration of the uncooked mass is introduced into the technological cycle. The impregnation by the solution (4% SO_2 , 0.9-1.1% CaO) is lengthened from 1 hour 30 minutes to 2 hours 30 min-

Card 1/2

FELLEGI, J., inz., C.Sc.; JANJI, J., inz.; MILCHOVA, G., inz.
KOMOROVA, K., inz.

Criteria of semi-acid sodium bisulfite pulping.
Sbor cel pap 6:129-143 '61

MILCHOVA, G., inz.; FELLEGI, J., inz., C.Sc.

Physical properties of sulfate and semi-acid sodium
bisulfite semi-pulps. Sbor cel pap 6:165-175 '61

MILCHOVA, Gertruda, inz. CSc.

*Resistance of sulfite high-yield pulps to dynamic stress. Papir
a celuloza 19 no. 6:149-151 Je '64.*

1. Research Institute of Paper and Cellulose, Bratislava.

MILCINSKI, J.

Yugoslavia (430)

General - Serials

Impressions gained from travel through western Europe, p. 193. NOVI SVET (Drzavna zalozba Slovenije) Ljubljana. (Monthly for literature and arts). Vol 3, 1948.

East European Accessions List. Library of Congress, Vol 1, No. 13, November 1952.
UNCLASSIFIED

MILCINSKI, J.

Yugoslavia (430)

General - Serials

Notes on the Assembly of the World Health
Organization in Geneva, June 1948, p. 753,
NOVI SVET (Drzavna zalosba Slovenije)
Ljubljana. (Monthly for literature and arts).
Vol 3, 1948.

East European Accessions List. Library of
Congress, Vol 1, No 13, November 1952.
UNCLASSIFIED

MILCINSKI, Janes

Classification of body injuries from the standpoint of criminal
law. Zdrav. vest., Ljubljana 23 no.7-8:169-171 1954.

1. Sednomedicinski institut Medicinske visoke šole, predstojnik
prof. dr. Janes Milcinski.
(JURISPRUDENCE MEDICAL
Yugosl.)

MILCINSKI, J., prof. dr (Ljubljana)

Rare cases in medico-legal medicine. Med.glasn. 14 no.7/8:371-372
Jl-Ag '60.

(JURISPRUDENCE)

MILCINSKI, Lev, doc., dr.

Neuroses in a general clinic with special reference to Slovenia.
Med. glasn. 15 no.2/2a:81-83 F '61.

1. Psihiatricna klinika, Fakulteta za splosno medicino in stomatologijo v Ljubljani (Predstojnik: prof. dr J. Kanoni).

(NEUROSES)

LUPU, Ion, conf.; MILCOMETE, P., conf.

Teaching on "The Period of Transition from Capitalism to Socialism" in Rumanian higher schools. Probleme econ 16 no.3:160-161 Mr '63.

1. Sef. de catedra, Institutul politehnic, Brasov (for Lupu).
2. Sef. de catedra, Institutul politehnic, Iasi (for Milcomete).

MILCOU, St.-M.; VAISLER, L.; COSTINER, Emma

The bromsulphalein test in animals with experimental toxic hepatitis treated with vitamin B 12 and the epiphysial hormone. Rev. sci. med. 8 no.3/4:131-133 '63.

1. Membre de l'Academie de la R.P.R. (for Milcou).
(HEPATITIS, TOXIC) (CARBON TETRACHLORIDE POISONING)
(VITAMIN B 12) (PINEAL BODY) (HORMONES)
(LIVER FUNCTION TESTS) (SULFOBROMOPHTHALEIN)

MILCOU, St. M.; ZIRBA, Ana-Maria; PANCASIU, Minerva

Functional changes in the adrenal cortex and ovaries of the guinea-pig during gestation. Folia histochem. cytochem. (Krakow) 3 no.2:161-172 '65.

1. Institute of Endocrinology, Academy of the R.P.R., Bucharest, Romania.

MILCOVEANU, D.

MILCOVEANU, D.

MILCOVEANU, D. The calculation and projecting of a new type of pulverizer for KD-35 tractors, p. 15.

Vol. 8, no. 2, Feb. 1956.

METALURGIA SI CONSTRUCȚIA DE MASINI.

TECHNOLOGY

ROMANIA

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

Milcovanu, D.

MILCOVEANU, D.

MILCOVEANU, D. Contributions to the study and theory of discharge valves in injection pumps of four-stroke diesel motors for automobiles, trucks, and tractors. p. 5.

Vol. 8, no. 12, Dec. 1956
METALURGIA SI CONSTRUCTIA DE MASINI.
TECHNOLOGY
RUMANIA

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

RESEARCH

A new model of power regulator for diesel motors. Pt. 1 (To be conti.)

p. 19 (Metalurgia Si Constructia De Masini. Vol. 9, no. 9, Sept. 1958. Bucuresti, Romania)

Monthly Index of East European Accessions (SEAI) 14. Vol. 7, no. 2, February 1958

24274

R/009/60/000/010/001/009
A125/A126

183200

AUTHOR: Milcoveanu, D., Engineer

TITLE: Oxygen enrichment of the flame of high-capacity open hearth furnaces

PERIODICAL: Metalurgia și Construcția de Mașini, no. 5, 1960, 857 - 864

TEXT: The utilization of technical oxygen considerably increases the efficiency of the flame of high-capacity open hearth furnaces, and the injection of oxygen into the furnace increases the quantity of heat developed by the chemical reactions. The author examines the following three factors:
1) Enrichment by oxygen of the flame of open hearth furnaces. The oxygen is injected into the furnace by two nozzles installed at the ends of the furnace. Reference is made to the advantages and disadvantages of the oxygen injection. The turbulent fuel gas-air and oxygen mixture begins to form itself. Accentuated vibrations are observed in the center of the flame, but the character of homogeneity is present. At the end the flame is undisturbed. The turbulence of the flame produced by injecting the oxygen intensifies the thermal radiation currents towards the molten metal,

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without substantially modifying the thermal radiation currents towards the vault. The temperature of the flame in case of gaseous fuels can be computed by the following thermotechnical calculus: the lower caloric power of the fuel - the heat necessary for dissociation + the sensible heat of the fuel + the sensible heat of the air + the sensible heat of the injected oxygen, is equal with the total heat of the burning gases at the theoretical temperature of the flame. This relation has to be solved by successive attempts. A t_f theoretical temperature of the flame is admitted and the average molar specific heat at a constant pressure as well as the dissociated fractions corresponding to these temperatures are taken from the tables of physical constants. By injecting oxygen into the flame, the quantity of nitrogen blown with the air into the furnace is considerably reduced. The author then determines the real temperature t_r of the flame and the exit gas temperature t_e of a 400-t open hearth furnace in case of using common coke oven gas, blast furnace gas, mazut, methane and gas mixture, as well as all these types of fuels enriched by oxygen in various proportions, i.e. 21%, 42%, 63%, and 100% O_2 . By injecting oxygen into the open hearth furnace the temperature could be considerably increased. 21% of O_2 proved to

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be the best proportion, since a 42, 63 or 100% content has led to very high temperatures and with that to a considerable stress of the furnace, as well as to a too high oxygen consumption. There are 2 sets of figures, 1 table and 7 Soviet-bloc references.

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24277

R/009/60/000/011/002/007
A231/A12618.3200

AUTHOR: Milcoveanu, D., Engineer

TITLE: Oxygen enrichment of the flame of high-capacity open-hearth furnaces (II)

PERIODICAL: Metalurgia și Construcția de Mașini, no. 11, 1960, 971 - 977

TEXT: The article is the second part of a paper, the first one of which was published in Metalurgia și Construcția de Mașini (Metallurgy and Mechanical Engineering), no. 10, 1960, 857 - 864. The flame temperature of an open-hearth furnace can be increased by injecting oxygen. The maximum thermal loading has to correspond to the charging possibilities of the furnace, i.e., the charging has to be accelerated with the increasing capacity. Based on the Stephan-Boltzman formulae, the total quantity of heat transmitted by radiation can finally be computed by: $Q_r = \eta_r \sigma_r ST^4 + \tau_r \eta_r \sigma_r SK \frac{v^4}{5}$, in which Q_r is the heat quantity transmitted by radiation, in kcal; η_r the proportion of heat quantity obtained through radiation by the receiving surface; σ_r the apparent radiation coefficient of the furnace, also studied by V.M. Trimofeyev and N.A. Zaharicov [Ref. 11: Calculul schimbului de căldură prin radiație în cuptoare Martin. (traducere I.D.T.) Stal

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Oxygen enrichment of the flame of...

Otelul, 10 (1956), 135]; T_f - the real temperature of the flame in °K; T - the variable temperature of the heat receiving body, i.e., the metal bath in °K; s - the irradiated surface of the metal bath in m^2 ; τ - the duration of the heat exchange in h; and k - the constant with an average value of 1 - 3°C/min. In case of a scrap iron - liquid cast iron process, the heat absorbed by the charge can be computed by: $Q'_r = \eta_r \sigma_r S T_f^4 \tau - \eta_r \sigma_r S K \frac{\tau^4}{5}$ and in case of injecting oxygen into this

charge, by: $Q'_r = \eta_r \sigma_r S T_{oJ}^4 \tau_o - \eta_r \sigma_r S K_o \frac{\tau_o^4}{5}$. The heat quantity necessary for the pyrometallurgical process is expressed by: $T_f^4 \tau - K \frac{\tau^4}{5} = T_{oJ}^4 \tau_o - K_o \frac{\tau_o^4}{5}$, or

$T_f^4 \tau \left(1 - \frac{K \tau^4}{5 T_f^4}\right) = T_{oJ}^4 \tau_o \left(1 - \frac{K_o \tau_o^4}{5 T_{oJ}^4}\right)$, in which the index o indicates for T , K and the injection of oxygen. The heating period to a temperature of 1,600°C is obtained by the relation: $\frac{\tau_o}{\tau} = \frac{T_f^4}{T_{oJ}^4}$ (2a). The total heating and melting time in

case of oxygen injection in relation to the corresponding melting time obtained by conventional flame is given by: $\tau_o + \tau'_o = (\tau + \tau') \frac{T_f^4}{T_{oJ}^4}$ (2b). In case of the solid cast iron - scrap iron melting process the heating period to a temperature of

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Oxygen enrichment of the flame of...

1,600°C is obtained by the relation: $\frac{V_0}{V_f} = \frac{T_f}{T_0}$ (2c). Table 2 compiles the duration of heating and melting periods of the metal in a 400-ton open-hearth furnace. The maximum thermal capacity of an open-hearth furnace is generally limited by structure and section of the furnace, the draught of the installation, the calorific power of the fuel, the preheating possibility of the air, the resistance of the refractory set, and the physico-chemical condition of metal and slag. The ratio between the necessary quantity of oxygen and the volume of the burned gases (O_2/V_f) is the analysis criterion of the combustion. The O_2/V_f value increases with the O_2 percentage. In case of oxygen injection, the thermal load of the furnace can be increased for a certain period or subperiod of the melting process, by increasing the quantity of the introduced fuel and the corresponding oxygen. The oxygen injector has to satisfy some requirements, i.e., the connection of the oxygen conduit to the automatic flame reversing system, full control possibility of the oxygen delivery and jet trajectory, the heads of the nozzles have to be protected against the harmful effects of the high temperatures, the presence of an additional thermo-technical checking device and the location of the nozzle should guarantee a good oxygen-fuel mixture. In case of mazout the oxygen is injected into the steam used for the atomization of the mazout. Conclusions: 1) By enriching the burning air with 21% of oxygen, the flame temperature is increased by

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Oxygen enrichment of the flame of...

350 - 400°C. In case of 42, 63, or 100% of oxygen the temperature can be increased by additional 170 - 200°C in function of every interval of oxygen percentage. 2) The highest efficiency is achieved with an oxygen content of 20 - 30%, injecting the oxygen into the gas stream or atomized fuel. 3) In case of using 21% of oxygen, the heating and melting time is reduced by 50%. 4) The exit temperature of the burned gases is increased in proportion to the enrichment of the air by oxygen. 5) The high temperatures obtained by oxygen injection require a revision of the thermal properties of the refractory lining. 6) The average consumption has to be limited to 120 - 140 Nm³O₂ per 1 ton of liquid steel. 7) In case of a high content of scrap iron or solid cast iron, inspite of the high flame temperature, the temperature of hearth, slag and regenerating chambers is not higher than in case of burning without oxygen. 8) Injection of oxygen directly into the flame supplies good results. 9) The oxygen enrichment reduces the length of the flame. 10) In case of oxygen injection the CO concentration in the open-hearth furnace is reduced, but the CO₂ concentration attains a maximum value. 11) The O₂/V_f value is improved with the degree of the oxygen superfeeding. At an enrichment by 21% of oxygen, it attains a value of 0.235 and by 100% of oxygen a value of 0.54. 12) The changing methods have to be improved. 13) The refractory lining is stressed by the oxygen enrichment, but also by the dust produced

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during the burning process. Special measures have to be taken to suppress the dust which appears in great quantities, i.e., 15 kg of dust per 1 ton of liquid steel. - Enriching the flame of the open-hearth furnace by 20 - 30% of oxygen, the productivity of the furnace was increased by 7 - 25%, and the fuel consumption reduced by 10 - 25%. The consumption of oxygen with an 80 - 85% purity degree injected with a pressure of 7 - 12 atm was generally 130 Nm³ per 1 ton of liquid steel. There are 2 tables, 2 figures and 7 Soviet-bloc references.

Table 2: Duration of heating and melting periods. (1) fuel; (2) denomination; (3) O₂ superfeeding; (4) observations; (5) carburated with mazout, 0.175 kg/Nm³; (6) does not produce a melting temperature; (7) 50% coking gas and 50% blast furnace gas. 1 - 5: coking gas; 6: carburated coking gas; 7 - 8: blast furnace gas; 9 - 10: mazout; 11 - 12: methane gas; 13 - 14: gas mixture.

Card 5/7

MILCOVEANU, D.; VANTA, Maria

Computing the third derivative of the vertical gravitation potential W_{zzz} , and its application to gravimetric prospecting. Petrol si gaze 12 no.12:532-540 D '61.

MILCOVEANU, Dan, ing.

Determining the excess air coefficient in diesel motors.
Metalurgia constr mas 14 no.9:837-839 S '62.

1. Institutul de mine, Petrosani.

MILCU, I., AND OTHERS

Contributions to pharmacodynamics of the hydroglyceric fraction of the epiphysis.
p. 561.
(COMUNICARILE. Rumania. Vol. 5, no. 3, Mar. 1955)

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

MILCU, IOANA

Excretion of the sexual hormones in the urine. St. H. Milcu, Ioana Milcu, and Elena Damian. *Acad. rep. populare Romane, Bul. Stiint. Sect. Stiint. med. 8*, No. 1, 183-17 (1956).—The antiandrogen substance of pineal origin was found in 92 persons of both sex, 2-108 years old. A young child of either sex excretes a substance with antiandrogen activity in the urine until the age of 15. The origin of this substance was proved by expts. on pinealectomized animals. It is of protein nature since it is inactivated by trypsin. Med 3

Martha Arcos

MILCU, Ioana; DAMIAN, Elena; IONESCU, Margareta

Data concerning extraction from the urine of an epiphysial anti-
androgenic substance. Stud. cercet. endocr. 13 no.2:217-223 '62.
(PINEAL BODY hormones) (ANDROGENS antagonists)
(URINE)

MILCU, Ioana; NANU, Lydia; SITARU, Silvia; TEODORU, V.

Comparative study of the hypoglycemic hormone content of the pineal body in Bovidae. Stud. cercet. endocr. 13 no.3:365-372 '62.

(PINEAL BODY hormones) (CATTLE physiology)
(GLUCOSE TOLERANCE TEST pharmacology)

MILCU, Ioana; DAMIAN, Elena; IONESCU, Margareta

Control of the glomerulotropic action of the pineal hormone. Stud.
cercet. endocr. 13 no.5:639-642 '62.
(KIDNEY GLOMERULUS) (PINEAL BODY)

MILCU, Ioana

The pharmacodynamic action of estrogens. Stud. cercet. endocr. 14
no.2:157-163 '63.

(ESTROGENS) (GENITALIA) (ENDOCRINE GLANDS) (GROWTH)
(TISSUE METABOLISM) (HYPOTHALAMUS) (CONNECTIVE TISSUE)

MILCU, Ioana; NANU, Lydia; MARCEAN, Rodica; SITARU, Silvia

The action of pineal extract and epiphysectomy on hepatic and muscular glycogen after prolonged infusion of glucose. Stud. cercet. endocr. 14 no.4/5/6:651-655 '63.

MILCU, Ioana; DAMITAN, Elena; RUPESCU, Margareta; POPESCU, Elena

Cholesteremic changes and serum lipoprotein changes in rabbits
treated with epiphysial hormone. Stud. cercet. endocr. 15 no.5:
403-406 '64.

MILCU, Ioana; NANU, Lydia; MARCEAN, Rodica; SITARU, Silvia

Research on the diabetogenic effects of epiphysectomy in the lamb.
Stud. cercet. endocr. 15 no.6:507-513 '64.

MILCU, Ioana; NANU, Lydia; MARCEAN, Rodica; IONESCU, Violeta

The effect of epiphysectomy on the metabolism of carbohydrates.
Studies with rats. Stud. cercet. endocr. 16 no.1:17-23 '65.

MILCU, Ioana; DAMIAN, Elena; IONESCU, Margareta; POPESCU, Ileana

Contribution to the study of the role of the pineal body in
mineral metabolism. Studii cercet. endocr. 16 no.2:113-119
'65.

MILCU, Ioana; DAMIAN, Elena; IONESCU, Margareta; POPESCU, Ileana

Correlation between the decrease of cholesteremia and urinary
17-ketosteroids under the influence of treatment with pineal
hormones. Stud. cercet. endocr. 16 no.3:257-261 '65.

MILCU, St.

Rumanian

With H. Jonescu-Sisestj and M. Pitis, "Spermatogénèse et alimentation. B. Aliments de nature végétale," Acad. Roumaine Bull. Sect. Sci., Vol. 28, No. 3, 1945.

MILCO, S. M.

Rumanian

With M. Pitis, "Standardisation des gonadotrophines avec le test de la spermatogene
Ann. Endocrinol., Vol. 9, No. 5, 1948.

MILCOVEANU, D.; VANTA, D.

Method of solving the inverse problems of gravimetry for interpreting the anomalies produced by the bidimensional bodies. Petrol si gaze 13 no.9:404-414 S '62.

MILCU, St.M.; DANCASIU, Minerva

Studies of pituitary basophilism after insulin administration. Stud.
cercet. endocr. 13 no.4:515-521 '62.

(INSULIN)

(PITUITARY GLAND)

(BASOPHILS)

MILCU, St. M., academician; LUPULESCU, A.; PETROVICI, Al.

The ultrastructure of goiter induced by an iodine-deficient diet in
rats. Stud. cercet. endocr. 13 no.6:739-746 '62.
(GOITER) (IODINE) (THYROID NEOPLASMS)
(ADENOMA)

MILCU, St.M., academician; IOANITIU, D.; ESANU, C.; DANILA-MUSTER, Aneta;
AUGUSTIN, M.; MAXIMILIAN, C.

Primary amenorrhea with prepuberal eunuchoidism in a patient with
43 autosomes plus an XX chromosome and a didentric chromosome.
Stud. cercet. endocr. 13 no.6:785-788 '62.

(AMENORRHEA) (EUNUCHISM) (CHROMOSOMES) (INFANTILISM)

MILCU, St.-M., acad.; IONESCU, B.; STRIHAN, Puica; ILIESCU, Ileana;
AUGUSTIN, M.; MAXIMILIAN, C.

Turner's syndrome with pituitary adenoma and XO karyotype.
Stud. cercet. endocr. 15 no.3:257-262 '64.

MILCU, ST.-M., academician; BILACU, B.; SORU, A.; MILEA, I.;
MIESCU, Elena; MAXIMILIAN, C.

Familial gynecomastia and cryptorchidism. Stud. genet. eritrop.
15 no.5:465-469 '64.

MTI/ST-1., number: 1000-10, n.: 1000-10, last with
number: 1000-10

Observations on the structure of the plant. 1000-10
to the parts of the plant. 1000-10, n.: 1000-10,
number: 10 no. 1000-10, 1000-10.

MILCU, St.M., Member of the Academy; LUNGU, Al.; PĂRĂSCU, C.

The part played by the cerebral cortex in the changes produced in the thyroid function by balneotherapy. Sc.Repub.pop. roumaine Vol. 1:99-123 1953.

(MINERAL WATER, effects,

on thyroid gland, role of cerebral cortex)

(CEREBRAL CORTEX, physiology,

regulation of thyroid response to balneother.)

(THYROID GLAND, effect of drugs on,
mineral water, role of cerebral cortex)

MILCU, S.

Development of anthropological research in our country. p. 9. PROBLEME
DE ANTHROPOLOGIE. (Academia Republicii Populare Romine) Bucuresti. Vol.
1, 1954.

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

MILCU, Stefan, academician

Prophylactic trends in internal medicine. Rev. st. med., med. int.,
Bucur. 6 no.1:8-13 Jan-Mar 54.

1. Rectorul Institut. Medico-Farmacologic Bucuresti.
(MEDICINE, INTERNAL
prev. trends in Russia)
(MEDICINE, PREVENTIVE
progr. in Russia)

MILCU, St., Acad. prof.

Ten years of progress in medicine and health. Rev. st. med., med.
int., Bucur. 6 no.2:3-6 Apr-June 54.

(MEDICINE

 progr. in Rumania)

(PUBLIC HEALTH

 progr. in Rumania)

MILCU, St.M., academician; SIMIONESCU, N.

Effect of the nervous system on compensatory hypertrophy of
the adrenal glands. Bul.stiint.,sect.med. 6 no.4:969-1008
Oct.-Dec '54 (MLRA 8:8)

(ADRENAL GLANDS, diseases

exper. hypertrophy, compensatory, prod. by CNS
stimulation with amphetamine)

(AMPHETAMINE, effects

on adrenal glands, mechanism of action)

(HYPERTROPHY AND HYPERPLASIA, experimental

amphetamine-induced hypertrophy of adrenal glands,
role of CNS)

(CENTRAL NERVOUS SYSTEM, in various diseases

exper. hypertrophy of adrenal glands)

MILKU, Shtefan

USSR/Medicine : Endocrinology

Card : 1/1

Authors : Milku, Shtefan, Academician

Title : Endocrinology in the new Romania

Periodical : Priroda, 43/7, 66 ~ 69, July 1954

Abstract : The article recounts the history of interest in endocrinology in Romania culminating in the foundation of the Institute of Endocrinology in Bucharest in 1946 and the incorporation of this institution into the Academy of Science in 1950. The institute can accommodate 160 patients and has 40 laboratories.

Institution :

Submitted :

RUMANIA / General Problems of Pathology. Comparative Oncology. U-5
Human Tumors.

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 80335

Author : Milcu, St.M.; Angelescu, E; Sahleanu, V; Augustin, M.

Inst : Not given

Title : Malignant Tumors of the Thyroid Gland.

Orig Pub : Lucrarile Sesiunii stiint. Sec. stiinte. med. Acad. R.P.R.,
1954, Bucuresti, 1955, 457-488.

Abstract : The authors observed 26 cases of malignant tumors of the thyroid gland (22 women and 4 men); 20 thyroidectomies were performed. A close connection is noted between a nodular goiter and cancer. Benign tumor seldom shows effects on a recurrent laryngeal nerve and does not cause functional impairments. Early affliction of the regional lymphatic nodes is seldom met in the beginning of the illness. The authors consider that during cancer of the thyroid gland,

Card 1/2

MILEU, S.

MILEU, S.

Ponderal variations of suprarenals in a state of compensating hypertrophy in connection with modification of dynamics of the central nervous system of animals treated with epiphyseal hormone, thyus extract, or oestradiol. p. 401. ACADEMIA REPUBLICH POPULARE ROMANE. Rumania Vol. 5, No. 2, Feb. 1955.

Source: East European Accessions List (EEAL) Library of Congress.
Vol. 5, No. 11, August 1956.

RUMANIA/Human and Animal Physiology. Internal Secretion

T-8

Abs Jour : Ref Zhur - Endol., No 14, 1958, No 65434

Author : Milcu St.M., Pitis M., Dancasiu M.

Inst :

Title : Experimental Hypophyseal Basophilia in Connection with
Excitation and Depression of the Central Nervous System
with Pharmacological Agents.

Orig Pub : Comun. Acad. R.P.R., 1955, 5, No 3, 571-579

Abstract : Phenamine, chloralose, insulin, insulin plus phenamine,
and insulin plus chloralose were injected for a period of
17 days into male rats, which had been castrated one month
before the experiment; the animals were then sacrificed.
The pituitaries of castrated animals contain many eosino-
philic cells, hypertrophied basophilic cells and relatively
few castration cells. The number of basophilic cells and
castration cells was increased in the animals receiving
phenamine. In those receiving chloralose the eosinophilic
cells underwent partial involution, while the number of

Card : 1/2

MILCU, S.; LUPULESCU, A.

Compensating hypertrophy of the hypophysis. p. 1374. Academia Republicii
Populare Romine. COMUNICARILE. Bucuresti. Vol. 5, no. 9, Sept. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5,
no. 9, Sept. 1955

MILCU, S. M.

RUMANIA / Human and Animal Physiology. Internal Secretion, Thyroid Gland T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70324

Author : Milcu, S. M.; Nogoescu, I.; Radian, N.; Bojinescu, A.;
Petrosu, C.; Cocu, F.; Stancu, H.

Inst : Academy of the Rumanian People's Republic

Title : Influence of Chlorphenothiazine (Chlorpromazine) on the
Concentration of I^{131} in the Thyroid Gland of White Rats

Orig Pub : Commun. Acad. RPR, 1955, Vol 5, No 9, 1397-1401

Abstract : Male rats were given 0.84 microcuries of I^{131} . The uptake
of I^{131} by the thyroid gland in three, 24, 72, and 120
hours was: 39.9, 39.2, 24.7, and 22.3 percent respectively.
With the injection of one mg of chlorpromazine, the uptake
of I^{131} dropped (23.9, 25.9, 11.7 and 9.5 percent). The
excretion of I^{131} did not change.

Card 1/1

MILCU, S.; AUGUSTIN, M; BERCEANU, A.

Considerations on ambulatory treatment of hyperthyroid and Basedow's disease. p. 1527. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti. Vol. 5, no. 10, Oct. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, no. 9, Sept. 1955

MILCU, S. AND OTHERS

Effect of decortication and of nervous shock on development of an experimental goiter. p. 1532. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti. Vol. 5, no. 10, Oct. 1955.

SOURCE: East. European Accessions List (EEAL) Library of Congress, Vol. 5, no. 9, Sept. 1955

RUMANIA/Pharmacology and Toxicology. Hormonal Preparations

V-7

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 47268

Author : Milcu St.M., Wolfchaut C., Maicanescu-Anghel M., Ionescu
B., Teodoreșcu Em.

Inst : Rumanian Academy

Title : Dermato-Hormonal Treatment with Testolysate in Neuroses
Associated with Sexual Insufficiency in Males

Orig Pub : Comun. Acad. RPR, 1955, 5, No 10, 1539-1543

Abstract : The authors applied protein testicular extract (testolysate) intracutaneously in the cervical region to 25 patients suffering from asthenic neurosis associated with sexual insufficiency. Positive results were obtained in 19 patients and in 16 of these a simultaneous normalization of the sexual function was noted. Of 10 patients whose sperm was examined, in 7 an increase of the amount of spermatozoa was observed. It is considered that testolysates, besides a specific action, have areflex effect which beneficially influences the metabolism and trophicity of the neural tissue.

Card : 1/1

...I.I. Kon

MIICU, S.: LUPULESCU, A.

Action of estrogens on the internal ear. p. 1647. Academia Republicii
Populare Romine. COMUNICARILE. Bucuresti. Vol. 5, no.11, Nov. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

MILCU, S. AND OTHERS

Variations of thyroid iodopexy as a result of the effect on the central nervous system. p. 1737. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti. Vol. 5, no. 12, Dec. 1955.

Biol Abs.

So. East European Accessions List Vol. 5, No. 9 September, 1956

MILCU, M., egyetemi tanar, akadémikus.

80th birthday of the Rumanian scientist, C. I. Parhon.
Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 6 no.3-4:427-430
1955.

1. (As MTA kulso tagjava valasztasa alkalmabol).
(BIOGRAPHIES
Parhon, C. I. (Hun))

RUMANIA/Human and Animal Morphology - (Normal and Pathological) S
Nervous System. Central Nervous System

Abs Jour : Ref Zhur Biol., No 6, 1959, 26085

Author : Milcu, St.-M.; Lupulescu, A.

Inst : Academy of Sciences of Rumanian Peoples Republic

Title : The Action of Thiouracil on Central Nervous System at
the Time of Pregnancy

Orig Pub : Studii si cercetari endocrinol. Acad. RPR., 1955, 6,
No 3-4, 415-430

Abstract : In the 1st series of experiments 30 rats-females received 3-4 days before conception and during the whole course of pregnancy 25 mg. methylthiouracil daily each. In some females abortion took place on 15-18 day. From all experimental females 20 new born were obtained; their weight was less by 20-25% than in control; the weight

Card 1/3

- 11 -

ies of neurofibroses, which are sometimes associated
perivascularly. Myelination of fibers was not

RUMANIA/Human and Animal Morphology - (Normal and Pathological) S
Nervous System. Central Nervous System

Abs Jour : Ref Zhur Biol., No 6, 1959, 26085

completed. In frontal region: in membranes and tissues of the brain -hemorrhages, swelling, capillary thrombosis. In the 2nd series of experiments, the nervous system was studied of newborn rats, born from females in which, prior to pregnancy, the thyroid gland was removed. Microscopically, edema of brain tissue, swelling of nerve elements, separate nodular infiltrates. In the 3rd series of experiments 0.25 mg of thiouracil + 0.5 mg thyroxin was subcutaneously introduced to rats during pregnancy. The pregnancy had a normal course, the weight of new born was almost normal (4.5-5 g). In the brain, alveolar structures were expressed in lesser degree than in newborn of the 1st series. Thus, structural disorders in CNS are a consequence of direct action of thiouracil, and not of hypothyreosis induced by it. The authors feel that they have obtained a model of experimental cretinism. -- I.I. Shroyt

Card 3/3

- 12 -

RUMANIA/Human and Animal Physiology - Internal Secretion.
Sex Glands.

T-7

Abs Jour : Ref Zhur - Biol., No 13, 1953, 84452

Author : Milcu, St.-M., Istrati, F., Vaisler, L., Costiner, E.

Inst : Rumanian AS.

Title : Functional Ovary Changes Produced by Interoceptive Irrita-
tions.

Orig Pub : Studii si cercetari endocrinol. Acad. R.P.R., 1955, 6,
No 3-4, 547-554.

Abstract : For a 1 month period vaginal smears of 40 rabbits were ex-
amined. Then, the ovaries (0; one or both) of these rab-
bits were sutured with thread. After an interval of ano-
ther month, estrogenic functions were again examined.
Animals with thread in one of their O first displayed a
shortening of estrus periods by about 30 percent, and then

Card 1/2

MILCU, St.-M., academician, LUPULESCU, A.

Effect of the central nervous system on the colloidal function of the reticulo-histiocytic system. Bul.stiint, sect.med, 7 no.1: 105-120 Jan-Mar '55.

(RETICULOENDOTHELIAL SYSTEM, physiology

colloidal funct., eff. of stress, in rats)

(COLLOIDS

fixation by reticuloendothelial system, in rats, eff. of stress)

(STRESS, affects

on colloidal funct. of reticuloendothelial system, in rats)

(CENTRAL NERVOUS SYSTEM, physiology

role in colloidal funct. of reticuloendothelial system, in rats)

MILCU, M.St., acaddmician.,; SIMIONESCU, N.,; MAXIM, I.

Role of the nervous system in the mechanism of action of synthetic anti-thyroid agents. I. Effect of cervical sympathectomy on experimental methylthiouracil-induced hypothyroidism. Bul. stiint., sect. med. 7 no.2:499-512 Apr-June 55.

(SYMPATHECTOMY, exper.

cervical, eff. on prod. of hypothyroidism with methylthiouracil in rabbits)

(HYPOTHYROIDISM, exper.

methylthiouracil-induced in rabbits, eff. of cervical sympathectomy)

(THIOURACIL, derivatives

methylthiouracil in induction of exper. hypothyroidism, eff. of cervical sympathectomy)

MILCU, M.St.,academician,; STANESCU, V.,; FLOREA, I.

Etiological therapy of Addison's disease. Bul. stiint., sect. med.
7 no.3:871-882 July-Sept 55

(ADDISON'S DISEASE, therapy
isoniazid with streptomycin)
(STREPTOMYCIN, ther. use
Addison's dis., with isoniazid)
(NICOTINIC ACID ISOMERS, ther. use
isoniazid in Addison's dis., with streptomycin)

MIICU, Stefan, Academ.; AUGUSTIN, Mircea, dr.

Corticotrophin (ACTH) and cortisone therapy in internal medicine.
Med. int., Bucur. 7 no.4:3-17 Oct-Dec 55.

1. Academia RPR Institutul de endocrinologie "Prof. C. I. Parhon".
(ACTH, ther. use
indic. & mechanism of action)
(CORTISONE, ther. use
(SAME)

Revista Stiintelor Medicale.

*Medicina
Internă*

MILCU, M.St., academician, colaborator.

The effect of thyroxin on metabolism of glucides and lipo-proteins
in the brain. Bul stiint., sect. med.7 no.4:1157-1185 Oct-Dec 55.

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

(BRAIN, metabolism
glucides & lipoproteins, eff. of thyroxin)
(CARBOHYDRATES, metabolism
brain, eff. of thyroxin)
(LIPOPROTEINS, metabolism
brain, eff. of thyroxin)
(THYROXIN, eff.
on glucide & lipoprotein metab. in brain)

MILCU, M.St.,academician,; POTOP, I.

Effect of the thymus on variations of water and total lipid content of certain portions of cerebral tissue. Bul stint., sect. med. 7 no.4:1187-1192 Oct-Dec 55.

(BRAIN, metabolism
water & lipid content, variations, eff. of thymus)
(WATER, metabolism
brain, eff. of thymus)
(LIPIDS, metabolism
brain, eff. of thymus)
(THYMUS
hydrolysate, eff. on water & lipid content of brain
tissues)

RUMANIA/Human and Animal Morphology- Normal and Pathological. S
Sense Organs.

Abs Jour : Ref Zhur Bioli, No 11, 1958, 50399

Author : Milcu, St.-M., Lupulescu, A.

Inst : Rumanian Academy

Title : Action of Estrogens on the Inner Ear

Orig Pub : Comun. Acad., RPR, 1955, No 11, 1647-1664

Abstract : The organ of Corti of guinea pigs was studied following preliminary injection of estradiol benzoate (220,000 VL) during a period of 4½ months. A fibrous labyrinthitis was found, manifested by degenerative lesions (of the sclerotic type) of the elements of the organ of Corti, namely, hair cells and supporting cells, and accessory structures. In the spiral ganglion also, spirosis and fibroreticulosis was observed. In the vestibular part

Card 1/2

Card 2/2

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EXCERPTA MEDICA Sec.6 Vol.12/4 Internal Med. April 58
(MILCU, ST. M.)

2489. THE SURGICAL TREATMENT OF CUSHING'S SYNDROME - Tratamentul chirurgical in boala lui Cushing in legătură cu un caz operat și vindecat - Milcu St. M., Angelescu E., Stoenescu D., Augustin M., Damian AI., Opran H., Oproiu A. and Popescu P. - ENDOCRINOLOGIA (Bucuresti) 1956, 1/1 (41-50) Graphs 5 Tables 6 Illus. 1 Report of a case of Cushing's syndrome of hypophyseal origin in an 18-year-old female, treated with good results by two-stage bilateral subtotal adrenalectomy. Follow-up period was 9 months. Previous radiation therapy directed to hypophysis and adrenals had proved unsuccessful. (III, 6, 9)

USSR/Human and Animal Physiology (Normal and Pathological).
Internal Secretion. Thyroid Gland. T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79740.

Author : Milku, Shtefan; Lupulesku, A.; Negoyesku, I.;
Doshinesku, Al; Koku, F.L.

Inst :

Title : Change of Absorption of Radioactive Iodine (I^{131})
Under the Influence of Thyrotropic Hormone and Methyl-
thiouracil in Animals Subjected to Iodine Starvation.

Orig Pub: Zh. med. nauk, Akad. RNR, 1956, 1, No 2, 49-60.

Abstract: For 3 months, adult rats (80) got a ration with a low
I content (rats with a weight of 100 g obtained 0.66 μ
I a day). The weight of the thyroid gland (TG) in-
creased almost twice; microfollicular hyperplasia

Card : 1/3

USSR/Human and Animal Physiology (Normal and Pathological).
Internal Secretion. Thyroid Gland.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79740.

1 and broadening of the vessels of the TG were found. The absorption of I^{131} of TG decreased. With the administration to the rats of 0.25 mg a day of methylthiouracil (I), the weight of TG increased almost 4 times, while the absorption of I^{131} of TG decreased sharply; adenomatous hyperplasia and broadening of the vessels of the TG were found. With simultaneous introduction of I and of the thyrotropic hormone (TH, 40 units for 10 days to the end of the test), the weight of TG increased still more sharply than with the introduction of I alone; the absorption of I^{131} of TG increased somewhat. In the TG, a form of nodular goitre was found.

Card : 2/3

C. J

Card : 3/3

EXCERPTA MEDICA Sec.6 Vol.12/4 Internal Med. April 58

2567. AETIOLOGICAL TREATMENT IN ADDISON'S DISEASE - Tratatmentul etiologic al bolii lui Addison - Milcu Șt. M., Stănescu V. and Florea I. Inst. de Endocrinol., Acad. R.P.R., București - ENDOCRINOLOGIA (București) 1956, 1/2 (132-146)

The results obtained with antituberculous aetiological treatment in 23 cases of Addison's disease were judged by the following clinical signs and laboratory tests: Thorn's test, Robinson's test, and urinary elimination of 17-ketosteroids.

2567

An important improvement in clinical and laboratory tests was obtained in 14 cases, a slight clinical improvement in 5 cases. No definite changes were observed in 3 cases. In a subject suffering from evolutive pulmonary tb, the signs of Addison's disease progressed parallel with the pulmonary focus. It was stated that patients who are aetiologically treated, never present an accentuated crisis of suprarenal insufficiency. The results obtained with antisyphilitic aetiological treatment are presented in 3 cases of Addison's disease. The clinical condition showed important and the laboratory tests partial improvement. (VI, 3)