

POLAND/Diseases of Farm Animals. Diseases Caused by Arachno-
Entoms.

R-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54935.

lubrications only. Equally ineffective proved intra-
venous or subcutaneous injections of various prepa-
rations (such as toxaphen, sebacil, pure rotenon,
Y-isomer of hexachloran, phenotiazine, yakutin, etc.)
into the animals for 7-15 times within a period of 1-2
weeks during the time of larvae migration in the organ-
ism of the host. Also, attempts at immunization of
cattle with vaccines obtained from the fly larvae did
not produce any success at all.

Card : 2/2

WERTEJUK, Mieczyslaw; CHOWANIEC, Wieslaw (Pulawy)

Piperazine disulfate as an anthelmintic drug for hogs. Wiadomosci parazyt., Warsz. 2 no.5 Suppl:151-152 1956.

1. Oddzial Parazytologii i Chorob Inwazyjnych PIW.

(PIPERAZINES, therapeutic use,
disulfate in swine infect. (Pol))

(SWINE, diseases,
helminth infect., piperazine disulfate ther. (Pol))

WERTEJUK, Mieczyslaw (Pulawy)

Prevention of Hypoderma bovis infection. Wiadomosci parazyt.,
Warsz. 2 no.5 Suppl:153-154.1956..

1. Oddzial Parazytologii i Chorob Inwazyjnych PIW.
(MYIASIS, prevention and control,
Hypoderma bovis, DDT ther. (Pol))
(DDT, therapeutic use,
Hypoderma bovis infect. (Pol))
(CATTLE, diseases,
Hypoderma bovis infect., DDT ther. (Pol))

WERTEJUK, Mieczyslaw (Pulawy)

Studies on environmental effects on larvae of gastrointestinal nematodes in sheep. Wiadomosci parazyt., Warsz. 2 no.5 Suppl: 159-160.1956.

1. Oddzial Parazytologii i Chorob Inwazyjnych PIW.
(NEMATODE INFECTIONS, epidemiology,
in sheep, climatic factors (Pol))
(SHEEP, diseases,
nematode infect., climatic factors (Pol))
(CLIMATE, effects,
on nematode infect. in sheep (Pol))

WERTEJUK, Mieczyslaw; CHOWANIEC, Wieslaw

Piperazine adipate and phosphate in central of ascariasis in foxes.
Wiadomosci parazyt., Warsz. 4 no.5-6:581-582; Engl. transl. 582 1958.

1. Z Zakladu Parazytologii i Chorob Inwazyjnych Instytutu Weterynarii
w Pulawach.

(ASCARIASIS, prev. & control,

piperazine adipate & phosphate, in foxes (Pol))

(PIPERAZINES, ther. use,

piperazine adipate & phosphate in ascariasis in foxes (Pol))

(ANIMALS, dis.

foxes, ascariasis, control with piperazine adipate & phosphate (Pol))

WERTEJUK, Mieczyslaw (Pulawy)

Studies on the influence of the environmental conditions on the
invasive larvae of the gastrointestinal nematodes of sheep.
Rocz nauk roln wet 70 no.1/4:190 '60. (EEAI 10:9)

(Sheep) (Nematoda) (Intestines)

CHOWANIEC, W. (Pulawy); DROZDZ, J. (Warszawa); WERTEJUK, M. (Pulawy)

Attempts at complex control of liver fluke in cattle in the infected
region of Rzeszow Voivodeship. Rocznik nauki wet 70 no.1/4:192
'60. (EEAI 10:9)

(Cattle) (Liver fluke)

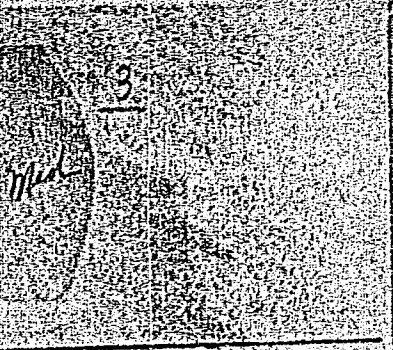
WERTH, Alexander

Again in Spain. Elet tud 18 no.6:174-178 10 F '63.

1. Angol ujsagiro.

WERTHEIM, A.

Carotene (provitamin A) and pumpkin and vitamin C contents of pumpkin. S. Berger, A. Wertheim, and M. Keryanowska. *Przemysl Spedyucyjny*. 6: 469-64 (1952) (English summary).--The amt. of carotene in tomatoes varied from 0.2 to 0.76 mg. % with an av. of 0.67 mg. %, and in pumpkin an av. of 1.18 mg. %. Potatoes contained 2.6-7.2 mg. % carotenoids with an av. of 4.8 mg. %, and pumpkin contained 0.3-0.9 mg. % with an av. of 0.4-23.9 mg. % with an av. of 18.3. The main causes of variation were variation in the degree of maturity and the variety of the fruit. W. S.



5. WERTHEIM, A.

A. WERTHEIM, I. DZIERZYNSKA: -- A comparison of the results of chloramphenicol determination in commercial preparations obtained by means of colorimetric, spectrophotometric and microbiological methods.

SO: Medycyna Doswiadczalna I Mikrobiologia (Experimental Medicine and Microbiology) Fourth Quarter 1955.

WERTHEIM, A.

A colorimetric method for penicillin determination, with hydroxylamine and ferric ion. Application to penicillin preparation and fermentation broths. Anna Wertheim (Państwowy Zakład Hig., Warsaw). *Med. Doświadczalna i Mikrobiol.* 7, 419-25(1955)(English summary); cf. C.A. 43, 8097. — Previous colorimetric methods were modified to extend the application to the detn. of penicillin directly in fermentation broths. By using 5M hydroxylamine-HCl in NaOAc buffer and EtOH, and 20% Fe(NH₄)(SO₄)₂ in 3.5N H₂SO₄, readings were taken after 15 min. at 615 mμ. The results, when compared with microbiol. assays, were satisfactory for cryst. and amorphous penicillin, but in broth gave low values. I. Z. Roberts

Wertheim A.

Comparison of colorimetric, spectrophotometric, and
 microbiological methods of chloramphenicol determination
 in commercial preparations. Anna Wertheim and Irena
 Dziurzyńska (Państwowy Zakład Hig., Warsaw). *Med.
 Doświadczalna i Mikrobiol.* 7: 427-32 (1955) (English sum-
 mary). The microbiol. (with *Sarcina lutea*), spectropho-
 tometric, and colorimetric (Glaxo, *J. Clin. Invest.* 28: 1051
 (1949)) methods were compared on 42 com. (Polish) preps.
 The results of the first two methods checked, while colori-
 metric results were 5% lower. I. Z. Roberts

WERTHEIM, Anna :Z Zakładu Antybiotyków P. Z. H. w Warszawie.

KUCHARSKA, Maria; WERTHEIM, Tomasz.

Current views on the treatment of coronary diseases with anti-coagulant drugs. Pol. tyg. lek. 19 no.16:610-612 13 Ap '64.

1. z Kliniki Chorob Wewnętrznych (kierownik: doc. dr. med. S. Pawełski) i z Poradni Przeciwzakrzepowej (kierownik: lek. med. M. Kucharska) Instytutu Hematologii.

Wertheim, T.

KUHARSKA, Maria; WERTHEIM, Tomasz; ZOLICZYNSKI, Leszek

Case of Takayasu's syndrome. Polskie arch. med. wewn. 27 no.10:1411-1416
1957.

1. Z Oddziału Wewnętrznego Instytutu Hematologii Ordynator: doc. dr med.
E. Kowalski i z Zakładu Radiologii Lekarskiej A. M. Kierownik: prof. dr
med. W. Zawadowski. Adres autora: Warszawa, Chocimska 5, Instytut Hematol-
ogii.

(AORTA, disease,
aortic arch. synd., Takayasu's type (Pol))

(ARTERITIS,
same)

WITTHEIMER, Ales

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: DVM

Affiliation: /Pelihřimov

Sources: Prague, Veterinarství, Vol 11, No 9, Sept 1961; pp 338-340

Data: "Some Experiences about Heating Installations in Styes for Breeding Sows"

GPO 201643

WERTHEIMER, A.

245

— 3/4 —

11. Seven Reports on Key All-Party Types of Qualities, A. 1923
 HANSEN, JDR, Palumbo, p. 29.
 12. Second National Congress on Specialties, * 1. KOHN, JDR, 1943
 pp. 30-31.
 13. Workshop in Culture, JIM FROCHMAN, JDR, 1943 in Sovietia;
 pp. 31-32.

Persons, which should be used in security and control.

(6)

WERTHEIMER, A.

Prague, Veterinarství, Vol XII, No 4, April 62
Copyright Home

1. "Plan on the Veterinary Care," Vaclav KUBRA, MUDr./Doc-
tor of Veterinary Medicine/, C.Sc. (Committee of Science),
Prague 1997-100.
2. "Immunization of Calves with a Modified Virus of Influenza
Disease," Rostislav SKODA, MEd. vet. (Veterinary),
Bratislava; pp 101-102.
3. "Prevention of Diseases in Pigs in the Large-Scale Pro-
duction Farms for Pigs," Prof. Vaclav JIR, MUDr.,
Dr. Sc. (Doctor of Science), Kromp pp 102-103.
4. "Ratbacterioblasts of Para Anthrax," Karel BARTIK, C.
Sc., Dr. Docent, Koice; pp 106-107.
5. "Agass Collection from Boga, Practical Remarks," Jiri
VAVRIL, MUDr. Vyskov; pp 108-111.
6. "Irregularity in Biological Cord in a Henson for Abortus
or Obstetric Complications," V. JASEK, MUDr. Brno;
pp 112-113.
7. "Importance of Biological Control of Inoculation," Zdenek
NEK DUBNY, MUDr. Brno; pp 114-117.
8. "Sovietia in Para Technology," Also WERTHEIMER, MUDr.,
Palmirsky Opatov, p 117.
9. "Air-Conditioning in Delivery Rooms for Sows in the
Palmirsky Opatov," Also WERTHEIMER, MUDr. Palmirsky;
pp 117-120.
10. "Blading Device in-poultry slaughterhouses," Ruzovic
UDARN, MUDr. Pilsovice; pp 120-119.
11. "Insurance Contract No 0707," Vaclav EMBROEK, VMA, Pra-
gue; pp 119-122.
12. "Veterinary Requirements for Meat Export from South
America," Jaroslav GRENZKA, MUDr. Jihlava; pp 122-124.
13. "Klebsiella Polonaria in Cattle," Josef HILSH, MUDr.,
and ZDENEK BAZZ, MUDr. Nitra; pp 124-125.
14. "Competition in the Veterinary Service to Guarantee the
People's Congress of the Communist Party of Czechoslovakia,"
pp 2 and 3 of cover.
15. "Unveiling the lists of the Brigade of Socialist Labor
in the Veterinary Research Institute GALT (Research-
vna Agricultural Scientific (Vyzkumny ustav veterinar-
ni) of Agricultural Science) pp 2 and 3 of cover.

1/1

RUMANIA/Human and Animal Physiology. The Nervous System.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36863.

Author : Werthoimer, N.

Title : ~~Study of the~~ Intensity of Protein Repletion in the
CNS with the Aid of Radioactive Sulphur.

Inst :

Orig Pub: Bul. Stiint. Sec. med. 1956, 8, No 2, 445-455.

Abstract: The greatest specific activity (SA) in the CNS of cats is noted for the proteins of the gray matter of the hemispheres and cerebellum, the smallest for the white matter of the brain and spinal cord. The SA of the proteins of the optic thalamus, the midbrain and the medulla oblongata occupies an intermediate area. The SA of proteins of the CNS in guinea pigs and young rabbits in Cavitaminosis and particularly

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RUMANIA/Human and Animal Physiology. Tho Norvous System.

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Abz Jour: Ref Zhur-Biol., No 8, 1958, 36863.

E avitaminosis is deccreasod. SA also deccreasod
under conditions of hunger and hyporthyroidism
(in oldor rabbits).

Card : 2/2

113

WERTHEIMER, V.

Our experience with functional stabilisation of hallux valgus.
Acta chir. iugosl. 6(7) no.3:236-244 '59.

1. Ortopedski odjel Opce bolnice u Osijeku, sef: dr. M. Maroevic.
(HALLUX)

WERTZ, B.

"Performance of Coupling Saws in a Truck Frame. I. Faulty Method of Coupling",
(To be contd.) p. 2, (PRZEMYSŁ DRZEWNY, Vol. 5, No. 11, Nov. 1954, Warszawa,
Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May
1955, Uncl.

WERTZ, B.

"Performance of Coupling Saws in a Truck Frame. II. Modern Instructions on Coupling", p. 1, (PRZEMYSŁ DRZEWNY, Vol. 5, No. 12, Dec. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 5, May 1955, Uncl.

WERTZ, E.

Coupling of saws in the frame track. (Conclusion)

P. 39 (Przemysl Drzewny. Vol. 7, 1956 Warszawa, Poland)

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

WERTZ, B.

Hygiene and industrial safety in sawmills. p.17

(OCHRONA PRACY; BEZPIECZENSTWO I HIGIENA PRACY, Vol. 12, No. 6, June 1957, Warsaw, Poland)

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

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

WERTZ, Z.

PROCESSES AND PROPERTIES INDEX

Research on Core Binders. G. Kulma and Z. Wertz. (Przeegląd Chemiczny, 1951, vol. 1, May, pp. 128-134). [In Polish]. Methods of testing core binders are described and results of the investigation of binders are given. v. u.

ASME-SEA METALLURGICAL LITERATURE CLASSIFICATION

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

WERTZ, Z.

S

Laundry Practice

Concerning Research on Core Binders. Z. Wertz. (Przegląd
Odlewnictwa, 1952, 2, 2, 52-58). [In Polish]. Green core
strength and its changes during drying are described.—v. n.

WERTZ, Z.

Influence of the preheating temperature on the bonding properties of clays and the resistance of synthetic sands, p. 1. (KRAKOW, Warszawa, Vol. 3, no. 1, 1953.)

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

WERTZ

Wertz, Z. Influence of Fe-	heating Temperature on the Bonding Pro-
-erties of Clays and on the Resistance of Synthetic Sands.	Resistance of Synthetic Sands.
"Wplyw temperatury u- grzewania na wytrzyma- losc i wytrzymałość syntetycznych mas i- formacyjnych". (Prace Inst. Odlewni, No. 1), Stalinogrod, 1953, PWT, 15 pp., 21 figs., 13 tabs.	"Wplyw temperatury ugrzewania na własności wiążące i wytrzymałość syntetycznych mas i formacyjnych". (Prace Inst. Odlewni, No. 1), Stalinogrod, 1953, PWT, 15 pp., 21 figs., 13 tabs.
This paper describes investigations over the changes, due to heating, in the properties of clays and synthetic sands. Tests were made with montmorillonitic and kaolinitic clays, activated as well as non-activated, and synthetic sands containing wet separated clays from common use. It was established that the heating of synthetic	investigations over the changes, due to heating, in the properties of clays and synthetic sands. Tests were made with montmorillonitic and kaolinitic clays, activated as well as non-activated, and synthetic sands containing wet separated clays from common use. It was established that the heating of synthetic

WERTZ, Z.

"Synthetic Molding Sands." p.257
(PRZEGLAD ODLEWNICTWA Vol. 3, no. 9, Supt. 1953 Krakow, Poland)

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

WERTZ, Zdzislaw

"Analysis of Sands and Moulding Compounds"

SO: Hutnik, No. 5, Stalinogrod, May 1953 (Air, Treasure Island # 144566, Feb. 1954,
Unclassified.)

WERTZ, Z

P O L .

3259

021.743.47; 021.740.7; 008.13

Hans H. Wertz, Z. Influence of the Quality of Moulding and Core Sands on Defects in Grey Cast Iron.

„Wplyw jakosci piaski formierskich i rdzenlowych na powstawanie wad odlewow zellwanych”. Przegląd Odiownictwa. No. 3, 1951, pp. 59-68, 3 figs., 2 tabs.

The authors deal at some length with the properties of moulding and core sands, and, finally, refer to the contingency of casting defects on the technological properties of sands. The properties include: permeability, strength, baking temperature, thermal expansibility of the sands, and heat conductivity. An explanation is given of the influence of genetic factors on the technological properties of moulding and core sands. Genetic factors include granulation of the sand, homogeneity or heterogeneity of the sand grains and their shape, the kind of binding agent and its distribution in moulding and core sands, additives such as coal dust, sawdust, tow, peat and binding media. The authors emphasise the varying influence, on the occurrence of defects in castings of, on the one hand, the technological properties of moulding and core sands and, on the other -- their genetic features, -- together with the effect of genetic factors upon the technological properties of moulding and core sands. The tables compiled are lucid and help to discover the causes of such defects in castings as are occasioned by moulding or core sands.

M BI

Wentz
POL.

The Influence of the Quality of Moulding and Core Sands on Defects in Grey Iron Castings. K. Heas and Z. Wertz. (Przeegląd Odlewniczy, 1951, 4, (3), 69-88). [In Polish, the dependence of the appearance of defects on the properties of sands and the dependence of these properties in turn on inherent factors are presented in tables, and the relationship is discussed.—V. G.]

MA 2/11

WERTZ, Z.

WERTZ, Z. Industrial methods of regeneration of molding materials. p. 363.
Vol. 5, no. 12, Dec. 1955. PRZEGLAD ODLEWNICTWA. Krakow, Poland.

SOURCE: East European Accessions List (EEAL) IC VOL. 5, No. 6, June 1956

WERTZ, Z

✓ 14736* (Polish) Green Molding Sand for Heavy Castings.
Masy dolewnicze odlewni wyciaganych z wilgotna.
Tadeusz Rzepa and Zdzislaw Waz. Przegląd Odlewnictwa.
v. 6, no. 7, July 1956, pp. 202-208. 2

Advantages of green sand casting. Native materials for molds.
Methods of testing mold materials. Means of improving the
durability of molds for heavy castings. Preparation of sands;
proportions; mixing procedures.

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WERTZ

Wertz Z., *Rozprawy z dziedziny*
Polish Foundry Institute

"Z praca Instytutu Odkrywania
fornalniczej". *Prace Inst. Odkrywa*
3 pp. 2 fig., 2 tabs.

An outline of the general pattern of alterations by which moulding sands used for developing moulds and cores for casting are prepared from minerals. The properties of moulding materials are enumerated as affecting quality, the grade of grains and the proportion of the cementing medium. Quality criteria are obtained in a series of experiments. The Foundry Institute has been testing moulding sands since 1948 and so far close on 800 samples have been investigated. The results of these investigations include the localities of the sand beds and the type of castings for which the sands are suited. Moreover, the results are illustrated by a map of Poland showing the localities in which moulding-sand beds appear.

er Polish Moulding Sands at the

15
5
No. 1-7, Warszawa, 1950. PWT,

and krajowym slonami piaskow
No. 1-7, Warszawa, 1950. PWT,
ern of alterations by which mould-
ing sands used for developing moulds
and cores for casting are prepared
from minerals. The properties of
moulding materials are enumerated
as affecting quality, the grade of
grains and the proportion of the
cementing medium. Quality criteria
are obtained in a series of experi-
ments. The Foundry Institute has
been testing moulding sands since
1948 and so far close on 800 sam-
ples have been investigated. The
results of these investigations in-
clude the localities of the sand
beds and the type of castings for
which the sands are suited. More-
over, the results are illustrated by
a map of Poland showing the local-
ities in which moulding-sand beds
appear.

RE JY

WERTZ, Z.

Investigations of the Foundry Research Institute on the molding sand beds in Poland. p.20
(INZYNIERIA I BUDOWNICTWO, Vol. 6, No. 1/2, 1956, Warsaw, Poland)

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

WERTZ, Z.

Harcza J., Wertz Z. The Technology of the Shell Moulding Process. *Technologia Procesu Akorupcyjnego*. Przeglad Ociepleniowy. No. 2. 1957, pp. 29-36, 3 figs.

This article outlines the basic principles of the difference between the technology of the shell moulding process and sand moulding. It discusses the manufacture of pattern plates beginning with documentation, passing through pattern materials, pattern drafts, positioning elements, design, positioning of pin-lifts and finally riser systems. The methods of obtaining shells of higher strength are given, as also a description of the detailed work involved in producing shell moulds on the Polish made, not automatized US-01 equipment. This equipment work on the principle of strewing the mixture through a rotating container by means of two pattern plates moving on a straight line track with two benches and two stands for the plates in the heating stove. The closing and pouring of moulds is performed on a clamping device. Finally, a description of the core production is included, and the range of application of shell moulding is discussed.

PS JM

WERTZ, Z. : HARPULA, J. : SMOLKA, B.

The Economy of the New Shell-Molding Technique and the Problem of its Profitableness, p. 261.

PRZEGLAD ODLEWNICTWA (Stowarzyszenie Techniczne Odlewnikow Polskich)
Krakow, Poland
Vol. 9, no. 9, September 1959.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,
November 1959.
Uncl.

WERTZ, Z.; KULMA, O.

Changes in core strength during its moistening. p. 293.

PRZEGLAD ODLEWNICTWA. (Stowarzyszenie Techniczne Odlewnikow Polskich)
Krakow, Poland, Vol. 9, no. 10, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

JANUSZEWICZ, P.; KOSTECKI, J.; WERTZ, Z.; LEWANDOWSKI, L.

"Non-metallic mineral raw materials in the foundry industry"
by P.Januszewicz, J.Kostecki and Z.Wertz. Reviewed by
L. Lewandowski. Przegl odlew 11 no.12:374 '61.

WERTZ, Zdzislaw, doc. mgr inz.

Fast binding masses with water glass. Przegl odiew 12 no.12;
376-382 D '62.

WERTZ, Zdzislaw

Examination of the materials preventing property changes in sodium silicate bonded while using various means of transport. Przegł odlew 15 no.4:95-100 Ap '65.

1. Submitted August 21, 1964.

WERTZ; Zdzislaw

~~Reduction of the trend of sands to cause defects of the mold surface; determination of the properties of applied materials. Prace inst odlew 12 no.1:32-65 '62 [publ. '63].~~

1. Zaklad Materialow Formierskich, Instytut Odlewnictwa, Katowice.

WERWICKI, Andrzej

Second British-Polish Geographical Seminar in Keele, England.
Przeł geogr 35 no.2:305-307 '63.

WERWICKI, Andrzej

Poland

no title given

no affiliation given

Warsaw, Przegląd Geograficzny, Vol 34, No 3,
1962, pp 610-12.

Book review:

→ JEZOWSKI, K: Development and Arrangement of
Industry in Lower Silesia during the Capitalistic
Period (Rozwoj i rozmieszczenie przemyslu na
Dolnym Slasku w okresie kapitalizmu), Wroclaw
1961, Zaklad Narodowy im. Ossolinskih, 225
pages, 7 maps.

WERWICKI, Andrzej

"Development and distribution of industry in Lower Silesia"
by K. Jezowski. Reviewed by Andrzej Werwicki. Przegl geogr 34
no.3:610-612 '62.

ZWIERSZ, Czeslaw; WERYK-ACJCIKOWICZ, Zofia

Results obtained in the treatment of *Isoamblia intestinalis* invasion with flagyl (specia). Bull. Inst. Mar. Med. Gdansk 16 no.3/4:243-245 '64

1. From the Institute of Marine Medicine in Gdansk and the District Outpatient Dispensary of Intestinal and Parasitic Diseases in Gdynia).

L 8513-66 EWP(t)/EWP(b) IJP(c) JJ)
ACC NR: AP5025558

SOURCE CODE: PO/0021/65/000/008/0303/0307

AUTHOR: Bielawski, S. (Doctor, Engineer); Werynski, A. (Graduate engineer)

59
B

ORG: Institute of Automation, PAN (Instytut Automatyki PAN)

TITLE: Analysis of designs of frequency speed controls for AC motors by means of silicon
controlled rectifier circuits

27

SOURCE: Przegląd elektrotechniczny, no. 8, 1965, 303-307

TOPIC TAGS: silicon controlled rectifier; automatic control system, electric motor,
control circuit, rotary inverter

ABSTRACT: In a state-of-the-art survey, the paper presents an analysis of the operation of the most typical designs of frequency speed control systems for AC motors using silicon controlled rectifiers (SCR). The paper discusses the general characteristics of such systems and their requirements, including dynamic properties, stability, the range of speeds such systems can control, and static characteristics (in the case of a synchronous motor and a squirrel-cage motor). Seven typical inverter systems employing SCRs for AC motors are briefly discussed. In the discussion of the efficiency of inverter systems the losses in the inverter system and in the motor are considered. It is pointed out that the use of SCRs in inverters has considerably increased their efficiency of energy conversion compared to electromechanical converters. The requirements for the realizability of such systems employing SCRs are also briefly discussed as well as the basic operational principles of universal inverters. An inverter system

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UDC: 621.316.718:621.313.3

Card 1/2

L 8513-66

ACC NR: AP5025558

with individual switching of SCRs is discussed as well as inverters systems with common switching of SCRs with divided and common supply. Operation of an AC motor in inverter circuit is discussed and illustrated by circuit diagrams for the following three conditions: normal operation, operation when the voltage supply to the motor is zero, and during regenerative braking. The operation of a 12-stage inverter is described and the oscillograms of its output voltage at the frequency of 33.3 cps and 66.6 cps are shown; for comparison, similar oscillograms at the same frequencies of a 6-stage inverter are also shown. Orig. art. has: 15 figures.

SUB CODE: EE, IE / SUBM DATE: none / ORIG REF: 001 / OTH REF: 014 / SOV REF: 002

Card 2/2 *g*

WERYNSKI, J. (Ing.)

Poland

Racjonalizacja w przemyśle naftowym--Iafta IX/1951

SO: Oil Wells, by Z. Onyszkiewicz, PWSZ, Warsaw, 1955, Unclassified.

WERYNSKI, Jan, inż.

New construction methods of skyscrapers. Inz i bud 19 no.8:294-300 Ag '62.

1. Miastoprojekt, Czestochowa.

KRZYSZKOWSKA, Anna; ZIOLECKA, Izabella; RZUCIDLO, Ludwik; GOLASZEWSKA, Wiktoria; STUDNICKA, Krystyna; TYSZKA, Krystyna; WERYŚ, Ryszard

Comparative tuberculin reactions to the A or A + B proteins and to the PPD tuberculin prepared from the Moreau strain of tubercle bacilli in tuberculous and BCG-vaccinated children. Gruslica 31 no.9:945-954 '63.

1. Z Zakładu Epidemiologii Instytutu Gruźlicy w Warszawie
Kierownik: doc. dr O. Buraczewski Dyrektor: dr M. Juchniewicz
Z Wytwórni Surowic i Szczepionek w Warszawie Dyrektor: dr
S. Brzezinski Z Dziecięcego Ośrodka Sanatoryjno-Prewentoryjnego
w Rabce Dyrektor: dr J. Rudnik Z Beskidzkiego Ośrodka Sana-
toryjno-Prewentoryjnego w Jaworszu Dyrektor: dr M. Nizgorodcew
Z Sanatorium Przeciwgruźliczego dla Dzieci w Lagiewnikach
Dyrektor: prof. dr A. Margolisowa Z Wojewodzkiej Przychodni
Przeciwgruźliczej w Krakowie Dyrektor: dr K. Mulak.
(BCG VACCINATION) (TUBERCULOSIS IN CHILDHOOD)
(TUBERCULIN REACTION)

Werynski, J

POLISH TECHNICAL ABSTRACTS

Vol. 26, No. 2, 1957

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Tyczyński J. Weryński J. The Carbonization of Steel with Natural Gas.
 Naważenie stali naturalnym gazem ziemnym". (Prace Inst. Naft.
 No. 46), Staloch 1956, Wydawn. Górno-Hutn., 12 pp., 18 figs., 7 tabs.
 The author conducted several semi-technical and commercial scale
 experiments on carbonization of chain links made of chrome- and chro-
 me-manganese steel alloys. The work was carried out in normal muffle-
 furnaces with the simplest muffle and without any elaborate devices,
 i.e. in conditions obtainable in any workshop. To establish optimum
 conditions of carbonization, some technological, mechanical, macro- and
 microscope tests were performed during the experiments; this paper
 includes a description of such tests. On the basis of the results obtained,
 certain conclusions are drawn, the most important being that natural
 gas is suitable for steel carbonization without any special preparation
 and that the layer of soot on the elements treated does not hinder car-
 bonization. Steel articles need not to be moved during the process. The
 slight differences in the chemical composition of gas show no practical
 influence on the process of carbonization.

yjd
RG
gmb

WERYS, Wit, mgr inz.

Device for automatic regulation of size control systems in
hole grinders. Przegl mesh 23 no.23:683-684 10 D '64.

1. Metal Products Factory, Krasnik.

WERZYNSKI, J.; TYCZYNSKI, J.

Carbonization of steel with natural gas. P. 3.
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SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl

WERYNSKI, J.

Polish production of rotary drilling equipment.

P. 330. (NAFTA) (Krakow, Poland) Vol. 13, no. 12, Dec. 1957

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

WERYNSKI, Jozef, mgr ins.

Drilling tube threads and their supervision. Nafta 21 no.3:
Suppl:Biul inst naft 15 no.3/4:5-6 '65.

WERYNSKI, Jozef, mgr inz.

Materials for tool joints and rotary drill collars. Nafta 21 no.
3:66-72 Mr '65.

1. Petroleum Institute, Krakow.

WERYNSKI, Jozef, mgr inz.

Have the standards PN-59/-306100 and PN-61/G-06200 met their task? Nafta Pol 19 no.12s280-282 D'63.

1. Instytut Naftowy, Krakow.

WERYNSKI, Jozef, mgr inz.

Recent trends in the Polish production of drill bits; from
the work of the Drilling Tools Manufacture in Krakow. Nafta
Pol 19 no.3:67-72 Mr '63.

1. Instytut Naftowy, Krakow.

WERYs, Wit

A system for manometric installations with permanent
sensitivity control. Pomlary 8 no.3:130 Mr '62.

WERYS, Wit, mgr inz.; ZARKOWSKI, Jan inz.

Automatic machine tool line for grinding series 6203
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1. Metal Products Factory, Krasnik.

WERYS, Wit, mgr inz.

Production methods in the British machine tool industry. Mechanik
37 no.6:331-334. Je '64.

1. Hardware Manufacture, Krasnice.

WERWICKI, Andrzej; JURASZ, Karol, tłumacz

Changes in the number and distribution of the population in
the Kamienna Gora, Walbrzych, Swidnica, Dzierzoniow and Nowa
Ruda districts in the years 1787-1939. Przegl geogr 34 no.1:
153-172 '62.

WERWICKI, Andrzej

Second English-Polish Seminar on Geography. Nauka polska 11
no.3:152-153 My-Je '63.

1. Polska Akademia Nauk, Instytut Geografii, Warszawa.

WERWICKI; Andrzej

Population migrations of the districts of Kamienna Gora, Walbrzych,
Swidnica, Dzierzoniow, and Nowa Ruda in 1945-1960. Przegl geogr
35 no.4:663-672 '63.

"Sweden's industries," edited by B.L.Eriksson. Reviewed by Andrzej
Werwicki. 744-745

POLAND

CHRZANOWSKI, Jan, WESELI, Maria, and SLOMCZYKOWSKA, Irena,
Clinic of Infectious Diseases (Klinika Chorob Zakaznych),
AM [Akademia Medyczna, Medical Academy] in Lodz (Director:
Docent, Dr. Jan CHRZANOWSKI)

"Clinical Picture of the Outbreak of Paratyphoid B in the
City of Lodz in 1958."

Warsaw, Przeglad Epidemiologiczny, Vol 16, No 3, 62, pp 343-
345.

Abstract: [Authors' English summary] The authors present
a list of clinical symptoms in 70 patients who suffered
from paratyphoid B. The patients were treated at the
Hospital for Infectious Diseases and the Bleganski Memorial
Hospital [original versions not given] in Lodz. No re-
ferences.

CHRZANOWSKI, Jan; WESELI, Maria; SŁOMCZYKOWSKA, Irena

Clinical picture of paratyphoid fever B in Lodz in 1958. Przegł. epidem. 16 no.3:343-345 '62.

1. Z Kliniki Chorob Zakaznych AM w Lodzi Kierownik: doc. dr J. Chrzanowski.

(PARATYPHOID FEVERS)

CZARNECKI, Jozef; WESELUCHA, Piotr

Anuria as a complication of chronic granulocytic leukemia.
Wiad. lek. 18 no.17:1423-1424 1 S '65.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie (Kierownik:
prof. dr. J. Aleksandrowicz).

IONESCU, Florica (Bucuresti); PISCATI, C. (Craiova); MATEI,
Augustin I. (Cluj); MARCULESCU, Origen (Craiova);
STANESCU, Ilie (Sibiu); WESELY, Tiberiu (Tg. Mures);
OPREA, Miron (Ploiesti); BAGHINA, V. (Breaza); IONESCU,
Ilie (Pitesti); REINHEIMER, Emilia (Bucuresti); BORTAS,
Emilian (Bucuresti); SAVU, Constanta (Bucuresti);
Pranitchi, Teodor (Tg. Mures)

Examination questions Gaz mat B 15 no. 6:260-264 Je '64.

WESIERSKI, J.

"Organization of a Working Place for the Special Tailoring Machines."
p. 31, (ODZIEZ, Vol. 5, No. 2, Feb. 1954. Lodz, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

WESIERSKI, J. ; SIELSKI, W.

The problem of preventive repairs. p. 146. Vol. 6, no. 8, Aug. 1955.
Odzież. Lodz.

Source: Monthly list of East European Accessions (EEAL), Lc, Vol. 5, no. 2,
Feb. 1956

WESLAW, Tadeusz

The circulation-respiration coefficient of Skibinski.
Gruzlica 30 no.7:657-680 '62.

1. Z Oddziału Plucnego Szpitala Wojskowego w Szczecinie.
(RESPIRATORY FUNCTION TESTS) (PULSE)
(TUBERCULOSIS, PULMONARY)

WESLAW, T.

Nomogram for establishing the electrical axis of the heart.
Kardiol. pol. 6 no.2:113-115 '63.

1. Z Oddziału Flucnego Szpitala w Szczecinie Ordynator: dr
W. Rakowski.

(ELECTROCARDIOGRAPHY)

WESLAW, Tadeusz

Behavior of free glutamic acid, protein reactions and amino nitrogen in the blood serum in active and compensated pulmonary tuberculosis. Roczn. pom. akad. med. Swierczewski 11: 651-670 '65.

1. Z Oddzialu Plucnego Szpitala Wojskowego w Szczecinie.

CA WESLEY, I.

11H

Mechanism of cobalt polycythemia. Ines Wesley (Faculty Med., Zagreb, Jugoslavia). *Arch. intern. Physiol.* 39, 412-14 (1951) (in English).—Methylene blue (10 mg. intraperitoneally) either prevents the polycythemia produced in rabbits by the subcutaneous injection of 10 mg./day of CoCl_2 or reduces the polycythemia already present.

C. D. Johnston

WESLEY, JAMES

P O I .

Serum euglobulins. II. Physiological importance of euglobulins. James Wesley. *Vysnauilet. Pregid* 11: 16-20 (1954). The ~~contaminants~~ can be sep'd. and det'd. following their pptn. at different pH. The diagram of soly. is very const. normally. The change in soly. indicates the changes in reticulo-endothelial and histiocytic system. 20 references.

III. Influence of adrenocorticotrophic hormone (ACTH) and adrenalectomy on the solubility diagram of euglobulins. *Ibid.* 109: 4. The increase of soly. of euglobulins in the acid range occurs in acute severe disease. It was possible to produce similar changes in guinea pig by surgical trauma or administration of ACTH. Cortisone produced no change. Adrenalectomy was followed by slight shift toward the acid side. 23 references. V. Mihajlov

WESLEY, Ines, dr.

Euglobulin system of the blood proteins. III. Effect of ACTH and adrenalectomy on solubility diagram of euglobulins. Voj. san. pregl., Beogr. 11 no.5-6:169-174 May-June 54.

(SERUM GLOBULIN

euglobulins, solubility, eff. of ACTH in adrenalectomized rats)

(ACTH, eff.

on solubility diagram of serum euglobulins in adrenalectomized rats)

(ADRENAL GLANDS, eff. of excis.

on solubility diagram of serum euglobulins in ACTH-treated rats)

WESLEY, Ines

Effect of cobalt on resistance to hypoxia. Arh. hig rada 6 no.
6:289-294 1955.

1. Institut za medicinska istrasivanja Jugoslavenske akademije
znanosti i umjetnosti, Zagreb. Institute of Industrial Hygiene,
Zagreb.

(COBALT, eff.

on resist. to exper. anoxia. (Ser))

(ANOXIA, exper.

eff. of cobalt on resist. to anoxia. (Ser))

WESLEY, I.; STEFANOVIĆ, M.; DAVIDOVIĆ, J.; PALMAR, T.

Use of vitamin C in aviation medicine. Voj. san. pregl., Beogr.
16 no.3:207-211 Mar 59.

1. Vazduhoplovni medicinski institut.
(VITAMIN C, eff.
on exper. anoxia (Ser))
(ANOXIA, exper.
eff. of vitamin C (Ser))

DEBIJADI, Rndi, sanitetski kapetan I klase d-r; STEFANOVIC, Ozren, sanitetski
potpukovnik d-r; WESLEY, Insa, d-r

On hypoxemic test in a pressure chamber. Voj. san. pregl., Beogr.
16 no. 7-8:591-593 JI-Ag '59.
(ANOXIA)

WESLEY, I.; DAVIDOVIC, J.

Contribution to the study of polycythemic effect of cobalt.
Acta med. iugosl. 13 no.2:204-211 '60.

1. Vazduhoplovni medicinski institut u Zemunu.
(COBALT eff. inj.)
(POLYCYTHEMIA exper.)

WESLEY, TANASKOVIC, Ines, dr.

Documentation in scientific and professional work. Vojnosanit.
pregl. 20 no.1/2:31-36 Ja-n '63.

(BIBLIOGRAPHY)

5

HADZITA

228

Action of some substances extracted from essential oils upon the nervous system of fish. P. Bohinc and H. Wesley-Hadzita. *Farm. vesn.* (Ljubljana) 7: 1-3(1957). The constituents of essential oils behaved in agreement with the assumptions resulting from the work on the action of essential oils on fish. Phenols and alcs. have strongest effect, followed by ketones and ethers. Halfl occupies position between phenols and alcs. Vanilla had no effect. Camphor caused spasms while produced a relatively strong effect on fish. V. S. Mihaljov

WESLEY-HADZIJA, B.

Influence of some essential oils on the central nervous system of fish. B. Wesley-Hadžija and F. Boling (Ljubljana, Yugoslavia). *Ann. Pharm. Assoc. Lond.* 14, 283-9 (1956).—The effect of a large no. of essential oils was tested on *Carassius auratus* for activity, maintenance of equilibrium, resistance to being turned upside down, to be moved by flow of water, and urination when removed from water. Sedative action on fish does not imply the same action in humans. The most marked sedative action is exerted by compounds contg. alcs. or phenols; it is less marked with compounds contg. aldehydes, ketones, and esters, and is nil with terpenes. These rules do not apply to myristicine. Thujone compounds cause spasms. Cineol causes different spasms which do not involve the whole body. The sedative effect is supposedly a reflex reaction to the stimulation of the olfactory lobes. R. Meyer.

YUGOSLAVIA / Chemical Technology. Pharmaceuticals. H-17
Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78736.

Author : Wesley - Hadzija, B., Abaffy, F.

Inst : Not given.

Title : A Photometric Method for the Determination of
Hydrazide of Isonicotinic Acid.

Orig Pub: Acta pharmac. jugosl., 1957, 7, No 3, 137-142.

Abstract: The simple, accurate and sensitive method for determining the non-hydrolyzed hydrazide of isonicotinic acid (I) is described, based on measuring the intensity of the yellow color developed by the action of 4% solution of p-dimethylaminobenzaldehyde (II) in 2 N sulfuric acid on the solution being tested. By using 0.1 ml of a solution of II, the maximum intensity of color can be observed after 10 minutes. The color is

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YUGOSLAVIA / Chemical Technology. Pharmaceuticals. H-17
Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78736.

Abstract: stable for 15 minutes. Beer's law is followed by 10-40 μ /ml of I at 425 millimicron. The measurements were made in a Fischer AC model spectrophotometer with a 425-B filter and with 2-3 cm. cuvettes. For the determination of I in tablets, 20 tablets are crushed, the weighed portion (equivalent to 50 mg. of I) are dissolved in 20 ml water and diluted to 100 ml; for analysis, 2.5 ml of solution is used. For the analysis of the solutions used for injections, 2 ml of 2% or 1 ml of 4% solutions are diluted to 100 ml.

Card 2/2

WESLEY-TANASKOVIC, I.
WESLEY, I.; STEFANOVIC, M.

The euglobulin system of the blood serum. VI. Diagram of serum euglobulin solubility in the dog. Acta med.iugosl. 14 no.2:207 '60.

1. Institut de Medicine Aeronautique, Zemun.
(SERUM GLOBULIN)

DEBIJADI, Rudi, sanitetski major dr; WESLEY-TANASKOVIC, Ines, dr

Electrocardiographic changes during work. Changes of the ventricular systole (QTc wave) and its relation to the diastole (QT/TQ) during work and recovery phases. Voj.san.pregl., Beogr. 17 no.12:1263-1266 D '60.

1. Vozduhoplovnomedicinski institut u Zemunu
(ELECTROCARDIOGRAPHY)
(EXERTION)

WESLEY-TANASKOVIC, Ines, docent dr.

On the writing of scientific and technical communications.
Vojnosanit. pregl. 22 no.9:555-559 S '65.

WESLEY, Ines, dr; DAVIDOVIC, Jovan

Effect of vitamin C on the resistance to low atmospheric pressures.
Voj.san.pregl., Beogr. 17 no.12:1271-1274 D '60.

1. Vazduhoplovnomedicinski institut u Zemunu
(VITAMIN C pharmacol)
(ATMOSPHERIC PRESSURE)

WESLEY-TANASKOVIC, Ines, doc.dr

Physical conditions of pilots. Voj.san.pregl., Beogr. 17 no.12:
1304-1308 D '60.

1. Vazduhoplovnomedicinski institut u Zemunu
(AVIATION MEDICINE)
(PHYSICAL FITNESS)

WESOLOWSA

POLAND/Chemical Technology. Chemical Products and Their Applications. Synthetic
Polymers. Plastics.

Abs Jour : Ref. Zhur-Khimiya, No 1, 1958, 3062

Author : Chrzczonowicz, Lasocki, Nowakowski, Tomaszewski, Wesolowska

Title : Low Freezing Point Polymethyl Siloxane Oils

Orig Pub : Zesz. nauk. Polytchn. lodzkiej, 1955, vyp. 9, 45-61.

Abstract : Low molecular weight polymers are synthesized by cohydrolysis of $(\text{CH}_3)_3\text{SiCl}$
(I) and $(\text{CH}_3)_2\text{SiCl}_2$ (II), derived from SiCl_4 and CH_3MgCl by Kipping's method.

By catalytic action of H_2SO_4 the low polymers are converted to polymethyl siloxanes to
which is attributed a branched structure. Branching is dependent on the presence of
 CH_3SiCl_2 in the reaction mixture. Similar polymers may also be obtained with separating
I and II from the mixtures which are produced by the Grignard reaction. In the latter
case, in order to produce an excess of I in the mixture, a ratio of 3.85 (or 3.0) mol
 CH_3MgCl to 1 mol SiCl_4 must be used. A mixture with an excess of II will be obtained
by use of 2.5 (or 2.3) mol CH_3MgCl per 1 mol of SiCl_4 . The m.p. and the flash point of
the synthesized oils are $< -70^\circ\text{C}$. and $280-500^\circ\text{C}$., respectively.

wesolowska, Cecylia

POLAND/Optics - Physical Optics

K-5

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 11760

Author : Wesolowska Cecylia

Inst : Not Given

Title : Application of Thin Films in Optical Instruments

Orig Pub : Pomiar, automat., kontrola, 1956, 2, No 10, 394-399

Abstract : A popular explanation of the operating principle and of the apparatus used in interference optical instruments, based on the use of thin films of metals and dielectrics.

Card : 1/1

POLAND/Electronics - Vacuum Technique

H-9

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 18523

Author : ~~Wocelowska~~ Cecylia

Inst : Faculty of Physics, Polytechnic Institute, Wroclaw, Poland

Title : Vacuum Methods for Obtaining Thin Films of Metals and Dielec-
trics.

Orig Pub : Elektronika, 1957, 3, No 7, 34-47

Abstract : Description of the production and use of thin films of metals (silver, aluminum, tin, rhenium, beryllium, platinum, nickel, chromium, and palladium), of dielectrics (MgF_2 , CaF_2 , $LiFNa_3$, Al_6 (cryolite), SiO_2 (quartz), SiO , ZnS and TiO_2) and semiconductors (germanium and silicon) for the preparation of mirrors, for transparentizing optical glass (non-reflecting coatings) and for interference filters. The methods of cathodic and thermal spattering are described. A method is given for continuous control over the thickness of the spattered films. Data are given on mirrors with germanium films, covered with alternating films having low and high coefficients of refrac-

Card : 1/2

POLAND/Electronics - Vacuum Technique

H-9

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 18523

tion (MgF_2 and ZnS). This mirror produces 90% reflection in the visible portion of the spectrum and 55% transparency for infrared radiation. Bibliography 16 titles.

Card : 2/2

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WESOŁOWSKA, C.; DOBIERZIEWSKA-MOZRZYMASOWA, E.

Optical properties of thin indium films. Acta physica Pol.
24 no.1:65-71 J1'63.

1. Institute of Experimental Physics, Technical University,
Wrocław.

WESOLOWSKA, Celina

Technology of evaporating thin gallium layers in high vacuum.
Zesz probl nauki Pol 25:183-190 '63.

1. Department of Physics, Technical University, Wrocław.

ACCESSION NR: AP4040364

P/0045/64/025/003/0443/0451

AUTHOR: Wasolowska, C.; Dobierzewska-Mozrzymasowa, E.; Jakubowski, E.

TITLE: Optical coefficients of thin gallium and indium films in the near infrared and ultraviolet range

SOURCE: Acta physica polonica, v. 25, no. 3, 1964, 443-451

TOPIC TAGS: thin film gallium, indium, infrared, ultraviolet, gallium, thin film structure

ABSTRACT: Gallium and indium films were deposited on quartz and glass optical wedges in a vacuum of 5×10^{-5} torr. Five films were obtained simultaneously from a single deposition process. The thickness of the deposited films, determined gravimetrically, ranged from 7 to 28 millimicrons. Gallium was deposited at a rate of 2 Angstrom units per minute and indium 6 Angstrom units per minute. The following optical coefficients of freshly deposited gallium and indium films were measured: the transmittance coefficient, and the reflectance coefficient: from the air side, and the same

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ACCESSION NR: AP4040364

coefficient from the substrate side. Gallium films were measured in the 0.22 to 2 micron range and indium films from 0.4 to 2 microns. The absorption coefficients of the films were determined and a distinct increase of absorption in the ultraviolet part of the spectrum and a drop in the infrared were noted in both gallium and indium films. Thin gallium films exhibited maximum absorption at about 3000 Angstrom units. The transmittance of indium increased monotonically with increasing wavelength. The authors thanked Prof. Z. Bodnar, Dr. J. Rohleder, and I. Wilk for advice. Orig. art. has: 14 figures.

ASSOCIATION: Institute of Experimental Physics, Technical University, Wroclaw

SUBMITTED: 04Oct63 DATE ACQ: 15May64 ENCL: 00

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Card 2/2