

GRZEDZIELSKI, S.

POLAND/Optics - General

K-1

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 6852

Author : Grzedzielski, S.

Inst : Not Given

Title : Conference devoted to Molecular Spectra

Orig Pub : Urania (Polska), 1957, 28, No 4, 107-113

Abstract : Report on the International Astrophysical Colloquium, held in Liege in 1957

Card : 1/1

GRZĄDZIŃSKI, S.

Revision of galactic coordinates. p. 138

PROSTY ASTRONOMICII. (Polska Akademia Nauk. Komitet Astronomii) Krakow, Poland.
Vol. 7, no. 3, Apr./June 1959.

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

Uncl.

GRZEDZIELSKI, S.

Remarks concerning the hypothetical dependence of p/A_v on galactic latitude. Acta astronom 9 no.1:25-28 '59.

1. Astronomical Observatory, University, Warsaw, and Institute of Astronomy, Polish Academy of Sciences, Warsaw.

P/010/60/008/005/004/006
E052/E314

AUTHOR: Grzędzielski, S.

TITLE: Intergalactic Gas in the Local Group of Galaxies

PERIODICAL: Postępy astronomii, 1960, Vol. 8. No. 3,
pp. 171 - 173

TEXT: The present paper is an account of the theory put
forward by C.D. Kahn and L. Woltjer in Ap. J., 1959, Vol. 130,
p. 705.

There are 1 figure and 2 English references. ✓

Card 1/1

GRZEDZIELSKI, S.

Gsa in the central part of the Galaxy. Postepy astronom 8 no.4:252-262 '60

GRZEDZIELSKI, S.

Radio structure of the M 31 galaxy. Postepy astronom 8 no.4:263 '60

GRZEDZIELSKI, S.

The magnetic field and the spiral structure. Postepy astronomii
no.4:265-268 '60

GRZEDZIELSKI, Stanislaw

Selected molecular aspects of cosmic hydromagnetics. Pt.2.
Postepy astronom 9 no.3:117-136 J1-S '61.

S/035/52/000/004/008/056
A001/A101

AUTHOR: Grzedzielski, S.

TITLE: Selected problems of molecular space hydrodynamics

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 4, 1962, 33,
abstract 4A278 ("Postępy astron.", 1961, v. 9, no. 2, 85 - 95,
Polish)

TEXT: This is a survey. In particular, the article describes characteristic quantities of plasma (sighting distance for collisions, mean distance between particles, Debye radius, free path length).

S. K. ✓

[Abstracter's note: Complete translation]

Card 1/1

GRZEDZIELSKI, Stanislaw

Selected molecular aspects of cosmic hydromagnetics.

II. Microscopic basis of the fundamental compounds.

Postepy astronom 9 no.3:117-136 :61.

GRZEDZIELSKI, S.

New system of Galactic coordinates. Postepy astronom 9 no.3:
177-178 J1-S '61.

GRZEDZIELSKI, Stanislaw

Selected molecular aspects of cosmic hydromagnetics. Pt.3.
Postepy astronom 9 no.4:193-210 0-D '61.

GRZEDZIELSKI, S.

An experiment in the confrontation of theory and observation.
Postępy astronom 9 no.4:235 0-D '61.

GRZEDZIELSKI, Stanislaw (Warszawa)

The spectrum. Urania. 32 no.12:365-368 D '61.

(Astronomy) (Spectrum analysis)

S/259/63/000/003/014/036
A001/A101

AUTHOR: Grzędzielski, S.

TITLE: Generation and amplification of magnetic fields in interstellar gas clouds

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 3, 1963, 33, abstract 3.51. 257 ("Postępy astron.", 1962, v. 10, no. 1, 65, Polish)

TEXT: See abstract 28. The author discusses the problems of a field generation within a typical cloud of H I and amplification of the arising field up to the observed magnitude of the order of 10^{-6} gauss. The field is turbulent. Its possible strength is of the order of 10^{-22} - 10^{-18} gauss. The field is amplified to the magnitude of 10^{-6} gauss. A greater amplification seems to be implausible because of the strong dissipation of magnetic energy in the process of ambipolar diffusion.

W. Wiśniewski

[Abstracter's note: Complete translation]

Card 1/1

S/269/63/000/003/023/036
A001/A101

AUTHOR: Grzędzielski, S.

TITLE: The mechanism of neutral hydrogen influx from the central regions of the Galaxy

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 3, 1963, 40, abstract 3.51.311 ("Postępy astron.", 1962, v. 10, no. 1, 65 - 66, Polish)

TEXT: See abstract 28. The author briefly reports on constructing a model of interstellar gas motion in the inner regions of the Galaxy and on possibility of explaining the spiral structure of the Galaxy by the mechanism of coronal instability and expansion in the hydrogen "basic plane".

W. Wiśniewski

[Abstracter's note: Complete translation]

Card 1/1

GRZEDZIELSKI, S.

Stars escaping from association. Postepy astronom 10 no.2:
165-169 '62.

GRZEDZIELSKI, Stanislaw

Problems of distributions and motions of the interstellar gas in the central regions of the Galaxy. Postepy astronom 10 no.4:317-325 O-D '62.

GRZEDZIELSKI, S.

Rotation of the galaxy nucleus M31. Postepy astronom 10 no.4:359-361
O-D '62.

GRZEDZIELSKI, S.

A mechanism of gas expansion from the central parts of the Galaxy. Bul Ac Pol mat 10 no.11:583-587 '62.

1. Astronomical Observatory, Warsaw University, Warsaw.
Presented by W. Iwanska.

GRZEDZIELSKI, S.

On magnetic fields in H I clouds. Acta astronom 12 no.3:
154-180 '62.

1. Astronomical Observatory, University, Warsaw, and
Institute of Astronomy, Polish Academy of Sciences.

GRZEDZIELSKI, Stanislaw; SMAK, Jozef (Warszawa)

Birth and death of stars. Wszechswiat no.10:225-229 0 '63.

GRZEDZIELSKI, Stanislaw

Distributions and motions of interstellar gas in the central regions
of the Galaxy. Pt. 2. Postepy astronomii no.1:21-49 '63.

GRZADZIELSKI, S.

Continuous spectrum of stars in the far ultraviolet. Postepy
astronom 11 no.2:179-181 '63.

GRZEDZIELSKI, S.; STEPIEN, K.

Hypothetical structure of the galactic gaseous corona.
Postepy astronomii no. 3: 215-220 '63.

GRZEDZIELSKI, S.; STEFIEN, K.

On the cloudy structure of the galactic gaseous corona.
Acta astronom 13 no.3:143-156 '63.

1. Astronomical Observatory, University, Warsaw.

GRZEDZIELSKI, S.

Impressions from the COSPAR Conference, June 1963 in
Warsaw. Postepy astronom 12 no.1:56-58 '64.

05 001 1541, ...

Model of motion of the interstellar gas in the central parts of
the Galaxy. Soviet astronomy 12 no. 2:129-141.

GRZEDZIELSKI, S.; KRZEMINSKI, W.

Photoelectric measurements of the polarization of the light of
stars of the known band width 4430. Postepy astronom 12 no.
2:121 '64.

GRZEDZINSKA, Zofia

ASKANAS, Alina; GRZEDZINSKA, Zofia

Case of generalized staphylococcal infection in newborn infant.
Pediat. polska 29 no.3:283-285 Mr '54.

1. Z Miejskiego Szpitala Dziecięcego No.1 w Warszawie. Dyrektor:
prof. dr med. R. Stankiewicz.
(INFANT, NEWBORN, diseases,
*micrococcal infect.)
(MICROCOCCAL INFECTIONS, in infant and child,
*newborn)

BIERNACKI, Andrzej [deceased]; CHELCHOWSKI, Włodzimierz; CZARNECKI, Wincenty; GRZEDZINSKI, Eugeniusz.

Effect of high humidity, a bio-meteorological factor, on patients treated in Ciechocinek during the summer of 1960. Pol. arch. med. wewnet. 34 no.1:19-32 '64.

1. Z I Kliniki Chorob Wewnętrznych AM w Warszawie (kierownik: prof.dr.nauk med. A.Biernacki [deceased]) i Samodzielnej Pracowni Biometeorologicznej PIHM w Warszawie (kierownik: prof. dr. S.Zych).

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GRZEDZANSKI, J.

Those who whittle airplanes. p.7.
French aviation p.8.

(SKRZYDLATA POLSKA. Vol. 13, No. 29, May 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (BEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

GRZEGANEK-WIECEK, Brygida, mgr inż.

Origination, processing and application of blast furnace slag
in chunks as building material. Wiad hut 18 no.9:281-286 S
'62.

GRZEGORZEZYK, ANDRZEJ

700

Grzegorzyc, Andrzej. Undecidability of some topological theories. *Fund. Math.* 38, 137-152 (1951).

Verf. geht von der wesentlichen Unentscheidbarkeit (w. U.) einer axiomatisierten Arithmetik (enthaltend Nachfolger, Addition und Multiplikation) aus, für die er auf eine noch nicht veröffentlichte Arbeit von Mostowski, Robinson und Tarski verweist. Hieraus folgt trivial die w. U. einer Theorie T_1 der endlichen Mengen (enthaltend Nachfolger, Addition, Multiplikation und Kardinalgleichheit). Anschliessend betrachtet Verf. gewisse topologische Räume, Hüllenalgebren (closure algebras) und ähnliche Strukturen. Zum Beweis der w. U. der zugehörigen Theorien wird gezeigt, dass sich T_1 in diesen interpretieren lässt.

P. Lorenzen (Bonn).

Source: Mathematical Reviews,

Vol 13 No. 10

[Handwritten mark]

GRZEGORZYK, A.

Mathematical Reviews
Vol. 14 No. 11
Dec. 1953
Topology

Grzegorzyc, A., and Kuratowski, C. On Janiszewski's property of topological spaces. Ann. Soc. Polon. Math. 25 (1952), 169-182 (1953).

Let S be a connected, locally connected, Normal T space, and suppose that, whenever A and B are closed connected subsets of S such that $S - (A \cup B)$ is connected, then $A \cap B$ is connected. The authors deduce that, whenever C, D are components of any closed subsets A, B of S such that $S - (A \cup B)$ is connected, then $C \cap D$ is connected; and that this in turn implies the same property with "closed" replaced by "open". If further S is compact metric, all these properties are known to be equivalent to one another [from the fact that they make every true cyclic element of S a 2-sphere; see C. Kuratowski, Fund. Math. 13, 307-318 (1929)]. In the general case, the question of equivalence remains open. In an appendix it is pointed out that the results extend to a suitable class of "closure algebras" [R. Sikorski, Fund. Math. 36, 165-206 (1949); these Rev. 12, 85]. A. H. Stone (Manchester).

GRZEGORCZYK, A.

Grzegorzyc A. Some proofs of undecidability of arithmetic. *Fund. Math.* 43 (1956), 166-177.

The author presents a proof of the undecidability of arithmetic, proved originally by Gödel [*Monatsh. Math. Phys.* 38 (1931), 173-198]. The proof, less constructive than that of Rosser [*J. Symb. Logic* 1 (1936), 87-91], is based on the following lemma: If a non-computable set X is represented in each consistent and recursively enumerable extension of a theory T , then T is essentially undecidable. A theory T is essentially undecidable if it is consistent and if each consistent extension of T is undecidable. The author furnishes results concerning the form of undecidable sentences of a general theory T . In the latter half of the paper these results are applied to the theory A_r of arithmetic. It is shown that both a diagonal set and a simple set may be represented in A_r . Attempts to repeat the proof of representability of a simple set in theories narrower than A_r have failed. Erratum, p. 171, line 11, for $R(n, x)$ read $R(n, k)$. E. J. Cogan (Hanover, N.H.).

2

1-F/W

Emu

Grzegorzczk, A. On the definitions of computable real continuous functions. Fund. Math. 44 (1957), 61-71. The author's original definition (I) of computable real

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continuous function was proposed in Fund. Math. 42 (1955), 168-202 [MR 19, 238], under the name "computable real function". It was based on the notion of computable functionals. In the present paper, four alternative definitions (II, II', III and III') based on computable sequences of real numbers, and two (IV and IV') based on computable sequences of open rational segments, are proved equivalent to I.

Under II, a real function φ is computable continuous if and only if (i) for each computable sequence $\{a_n\}$ of reals, the sequence $\{\varphi(a_n)\}$ is computable and (ii) φ is computably uniformly continuous (in an obvious sense) with respect to the rational segments. For II', (i) is replaced by the condition that, for a recursive enumeration of the rationals r_n without repetition, the sequence $\{\varphi(r_n)\}$ is computable. For III and III', φ is required to be continuous, so that (ii) can be formulated in terms of rational arguments.

Grzegorzki, H.

Definitions IV and IV' are similar to that of D. La-
combe [C. R. Acad. Sci. Paris 240 (1955), 2478-2480;
241 (1955), 13-14, 151-153; MR 17, 225]. *G. F. Rose.*

2

GRZEGORCZYK, A.; MOSTOWSKI, A.; RYLL-NARDZEWSKI, C.

Definability of sets in models of axiomatic theories. *Bul Ac Pol
mat* 9 no.3:163-167 '61.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw.
Presented by A. Mostowski.

GRZEGORCZYK, A. (Warsaw)

A kind of categoricity. Col math 9 no.2:183-187 '62.

16.0200

34556
S/O44/62/000/001/001/061
C111/G444

AUTHORS: Grzegorzeyk, A; Mostowski, A; Ryll-Nardzewski, C.
 TITLE: Definability of sets in models of axiomatic theories
 PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 13, 14,
 abstract 1A89. (Bull. Acad. polon. sci. Ser. sci. math.,
 astron. et phys., 1961, 9, no. 3, 163 - 167)

TEXT: Let correspond to every formula φ of the elementary theory T a predicate, depending on the same number of variables (which run through the domain of the natural numbers) as the formula φ . The set \mathfrak{M}_φ of the predicates thus obtained is called a model of the theory T, if all theorems of this theory are true in \mathfrak{M}_φ . The sign $\mathfrak{M}_\varphi \models \varphi$ means that the formula φ is satisfied in \mathfrak{M}_φ in case one gives the free variable x_j of the formula φ the value j . With each formula φ of T one can connect the set $[\varphi]$ of those models \mathfrak{M}_φ for which holds $\mathfrak{M}_\varphi \models \varphi$. The set M of all models \mathfrak{M}_φ is a topological space, if for a base of open sets the set system $[\varphi]$ is taken. It is proved that the space M is an absolute G_c . Let τ_0, τ_1, \dots be

X

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Definability of sets ...

a sequence of formulas of the theory T with the only free variable x_1 , and let $\vdash_T \mathbb{T}_n \rightarrow \mathbb{T}_0$ for $n = 1, 2, \dots$, \vdash_T being the sign of deduction in T. The theory T is called ω -closed (with respect to the sequence \mathbb{T}_n), if for every formula φ it follows $\vdash_T \mathbb{T}_0 \rightarrow \varphi$ from $\vdash_T \mathbb{T}_n \rightarrow \varphi$ ($n = 1, 2, \dots$). The model \mathcal{M} is called a ω -standard model (with respect to the sequence \mathbb{T}_n), if to every $i \geq 1$ there exists an $n \geq 1$ such that $\models_{\mathcal{M}} \mathbb{T}_0(x_1) \rightarrow \mathbb{T}_n(x_1)$, where $\mathbb{T}_0(x_1), \mathbb{T}_n(x_1)$ are obtained by substituting in $\mathbb{T}_0, \mathbb{T}_n$ the variable x_1 by x_i . It is proved that in case of the theory T being ω -closed, the set of all its ω -standard-models is a set of complete category of the type G_2 in M. The set of natural numbers Z is called representable in T (with respect to the sequence \mathbb{T}_n), if there exists a formula φ with the only free variable x_1 such that from $n \in Z$ it follows $\vdash_T \mathbb{T}_n \rightarrow \varphi$ ($\mathbb{T}_n \rightarrow \varphi$) and from $n \notin Z$ it follows $\vdash_T \neg \exists x_1 (\mathbb{T}_n \rightarrow \varphi)$. The set Z is called d-fineable in the model \mathcal{M} by aid of the formula φ , if $n \in Z$ is

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X

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equivalent to $\models_{\mathcal{M}} \exists x_1 (\pi_n \wedge \varphi)$. Obviously every set representable in T is definable in every model of T . The following basic lemma is less trivial: The set M_Z of those models in which a given set of natural numbers Z is definable, is a set of the type F_σ in M ; if M_Z is not of the first category in M , then there exists a finite extension of the theory T in which Z is representable.

If \mathcal{M} is no element of M , then \mathcal{M} is called an ω -standard-model (with respect to the sequence π_n), if the formula π_0 is interpreted in \mathcal{M} by the set-theoretical union of the interpretations of the formulas π_1, π_2, \dots . The set Z is then called definable in \mathcal{M} (with respect to the sequence π_n), if there exists a formula φ of the theory T , and an estimation (in \mathcal{M}) of the free variables of the formula φ such that the formula $\exists x_1 (\pi_n \wedge \varphi)$ is satisfied in \mathcal{M} , if and only if $n \in Z$.

By aid of the basic lemma one proves:

1.) If T is axiomatizable, and if all recursive sets are representable
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Definability of sets ...

S/044/62/000/001/001/061
C111/C444

in T , then the following set families are identical with the family of recursive sets:

- a) the family of those sets, being representable in T ;
- b) the family of those sets, being definable in all models of T .

2.) If T is ω -closed, if all hyperarithmetical sets are representable in T , and if the set (of the Gödel numbers) of the theorems of T belongs to the class Π of the hierarchy of Cliny-Mostowski, then the following set families are identical with the family of hyperarithmetical sets:

- a) the family of those sets, being definable in all ω -standard-models of T ;
- b) the family of those sets, being representable in T .

[Abstracter's note: Complete translation.]

Card 4/4

GRZEGORCZYK, A.

An example of two weak essentially undecidable theories F and F^* .
Bul Ac Pol mat 10 no.1:5-9 '62.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw.
Presented by A. Mostowski.

GRZEGORCZYK, A.

A theory without recursive models. *Bul Ac Pol mat* 10
no.2:63-69 '62.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw.
Presented by A.Mostowski.

GRZEGORCZYK, A. (Warszawa)

A note on the theory of propositional types. Fund math
54 no. 1:27-29 '64.

Recursive objects in all finite types. Ibid.:73-93.

BARTOSZEWSKI, Jerzy; GRZEGORCZYK, ~~Damita~~

Results of therapy of alcoholic psychoses with reserpine (serpasil).
Polaki tygod. lek. 13 no.30:1148-1151 28 July 58.

1. (Z Kliniki Psychiatrycznej A. M. w Białymstoku; kierownik: Kliniki
Lucjan Korzeniowski). Białystok, Klin. Psychiatryczna A.M.
(PSYCHOSES, ALCOHOLIC. ther.
reserpine, statist. (Pol))
(RESERPINE, ther. use
alcoholic psychoses, statist. (Pol))

GRZEGORCZYK, Danuta

A case of psychosis after attempted suicidal hanging. Neur. &c.
polska 10 no.6:869-871 '60.

1. Z Kliniki Psychiatrycznej A.M. w Białymstoku, Kierownik:
L.Korzeniowski.

(SUICIDE)

(PSYCHOSIS etiol)

GRZEGORCZYK, Leslaw.

Case of deforming congenital keratosis palmaris et plantaris.
Polski tygod. lek. 10 no.51:1646-1648 19 Dec 55.

1. Z oddzialu dermatologicznego Szpitala Wojewodzkiego w
Rzeszowie; ordynator: dr. med. J.Kostolowski. Szpital
Wojewodzki w Rzeszowie Oddz. Dermatologiczny.
(KERATOSIS PALMARIS ET PLANTARIS, case reports
(Pol))

KOSTOŁOWSKI, Julian; GRZEGORCZYK, Lesław

Lymphangioma circumscriptum of the skin. Przegl. derm., Warsz.
6 no.3:233-238 May-June 56.

1. Z Oddziału dermatologicznego Szpitala Wojewódzkiego w
Rzeszowie Ordynator: dr. J. Rzeszów, Przychodnia Skorno-
Wenerologiczna, Grottgera 26.

(LYMPHANGIOMA, case reports,
skin (Pol))

(SKIN NEOPLASMS, case reports,
lymphangioma (Pol))

KOSTOLOWSKI, Julian; GRZEGORCZYK, Leslaw

ACTH therapy of tabetic pain. Polski tygod. lek. 11 no.10:
467-469 5 Mar 56.

1. Z oddzialu dermatologicznego Sspitala Wojewodskiego w
Rzeszowie. Ordynator: dr. med. Julian Kostolowski. Rzeszow,
ul. Turkienicza 33.

(ACTH, therapy,
tabetic pain (Pol))

(TABES DORSALIS, therapy,
ACTH in tabetic pain (Pol))

GRZEGORCZYK, Leslaw (Rzeszow, ul. Swierczewskiego 8. Pow. Poradnia Dermatologiczna)

Skin diseases in sportsmen. Polski tygod. lek. 14 no.13:577-580
30 Mar 59.

1. (Z Komisji Lekarsko-Sportowej WKiF w Rzeszowie i Powiatowej
Poradni Dermatologicznej w Rzeszowie; przewodniczacy Komisji i
Kierownik Poradni: Leslaw Grzegorzczak)

(SKIN DISEASES

in sportsmen (Pol))

(ATHLETICS

skin dis. in sportsmen (Pol))

GRZEGORCZYK, Leslaw

Considerations on the application of the preparation "sandosten-
calcium Sandoz" in dermatological therapy. Przegł.derm.,Warsz.
46 no.4:379-385 J1-Ag '59.

1. Z Powiatowej Poradni Dermatologicznej w Rzeszowie. Kierownik:
dr. L. Grzegorzczuk.

(ANTIHISTAMINICS ther.)

(SKIN DISEASES ther.)

GRZEGORCZYK, Leslaw; DOLEGOWSKA-POTOCZNA, Danuta; KOWAL, Stanislaw

On the problem of the effect of epoxy phenol-formaldehyde resins on workers' skin. Pol. tyg. lek. 17 no.50:1942-1944 10 D '62.

1. Z Wojewodzkiej Przychodni Medycyny Pracy w Rzeszowie; dr med.
L. Grzegorzczak i Oddzialu Chorob Zawodowych Wojewodzkiego w Rzeszowie;
ordyantor: dr med. L. Grzegorzczak.
(RESINS) (OCCUPATIONAL DERMATITIS)

GRZEGORCZYK, Leslaw

Vasomotor neurosis of upper extremities as an occupational disease of metallurgical and foundry workers. Pol. tyg. lek. 17 no.51:1977-1983 17 D '62.

1. Z Wojewodzkiej Przychodni Medycyny Pracy w Rzeszowie; dyrektor: dr med. L. Grzegorecyk i Oddzialu Chorob Zawodowych Szpitala Wojewodzkiego w Rzeszowie; krdynator: dr med. L. Grzegorecyk.
(OCCUPATIONAL DISEASES) (ARM) (VASCULAR DISEASES)
(VASCOMOTOR SYSTEM)

GRZEGORCZYK, S.

"Determination of Manganese, Chromium, Tungsten, Nickel, Vanadium, Molybdenum, Cobalt, and Copper Content in Steel by the Application of a Photographic Method." p. 140
(HUTNIK, Vol. 20, No. 4, Apr. 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 10,
October 1953. Unclassified.

NIKODIMOWICZ, Eugeniusz; CZAJKA, Stanislaw; GEBAUEROWA, Maria;
GRZEGORCZYKOWA, Zofia; KRAKOWSKA, Maria; LACHOWICZ, Wanda;
LASZCZKA, Czeslaw; MURCZYNSKA, Halina; OCZKOWSKA, Maria;
PIENIQZEK, Janusz; STANOCH, Adolf

Pneumothorax at tuberculosis dispensaries in Cracow, 1943-1954.
Gruzlica 24 no.8:637-652 Aug 56.

1. Z Działu Terenowego Instytutu Gruzlicy w Krakowie Dyrektor:
prof. dr. St. Hofnung i z Poradni Przeciwgruzliczych w Krakowie
Kierownicy: dr. Z. Grzegorzycykowa, dr. M. Krakowska, dr. Dz. Laszczka,
dr. K. Mulak, dr. J. Pieniqzek, dr. A. Stanoch, dr. M. Wiejowski.
(PNEUMOTHORAX, ARTIFICIAL, statist.)

GRZEGORSKI, W.

Journal of the Science of
Food and Agriculture
April 1954
Agriculture and Horticulture.

Experiments with the control of field weeds by means of chemicals.
I. Methodical study. B. Swietochowski and J. Dalesy. II. Field
experiments. B. Swietochowski/W. Grzegorski and S. Jelnowski
(*Prace roln. Lwów*, 1953, No. 88, 89 pp.; No. 70, 77 pp.).—
I. Experiments in suppression of pasture weeds show that, on the
whole, growth-regulating substances (salts of 2:4-dichlorophen-
oxyacetic acid) are more effective than corrosive agents of the
dinitro-o-cresol type. Dusting with CaCN₂ after spraying with
plant-growth regulators quickens development of the grasses which
take the place of the dying-out weeds. Levy's point method for
the determination of respective areas covered by grasses and weeds
should be used in preference to the botanical analysis of hay as
only a part of the dicotyledonous weeds gets into the hay. Some
plant-growth regulators accelerates the flowering and seed formation
of *Taraxacum officinale*, but only 3—4.5% of the seeds preserve
their germinating power. II. The herbicidal action of growth-
regulating substances and corrosive agents is studied in field experi-
ments with autumn (rye and wheat) and spring (wheat, barley,
and oats) corn crops. The effect of the growth-regulating sub-
stances is found to be more lasting as they affect also the germinating
power of the weed seeds. Optimum concn. of herbicides and best
spraying conditions are sought and the effect of different agents
on the corn and straw crops and on different species of weeds is
discussed.
S. K. LACOWICZ.

GUZEK, J.; GRZEGORZEK, A.

Effect of typhoid toxin on ovaries. Prsegl. lek., Krakow 8 no. 4:
114-115 1952. (CJML 22:5)

1. Of the Institute of General and Experimental Pathology of Krakow
Medical Academy.

GRZEGORZEWICZ, J.

3512

051.01 : 637.681

Grzegorzewicz J. Stabilised blood, and the Use of Certain Constituents thereof in the Production of Sausages.

POL . 2

"Stabilizacja krwi oraz zastosowanie niektórych jej elementów do produkcji wędlin". Przemysł Rolny i Spożywczy, No. 8, 1984, pp. 311-314, 8 tabs.

Experiments were carried out with a view to developing an optimum method for maintaining blood in liquid form, and obtaining serum. Moreover, a technological process was developed for substituting serum for beef in sausages. This research led to the following conclusions: 1) the best means for maintaining blood in its liquid form is the method of fibrin separation which does not call for stabilizers, both expensive and in short supply; 2) the serum obtained from blood

from which fibrin has been separate has a higher protein value and possesses, moreover, superior properties in binding water during coagulation than plasma from blood stabilised with sodium citrate or "Fibrisol". It was established by sampling that serum is suitable for use in sausages and can, to an extent not exceeding 5 per cent, replace beef or pork.

GRZEGORZEWICZ, J.

Influence of twofold pasteurization on the durability and quality of canned ham. p. 24.

GOSPODARKA MIESNA, Vol. 7, No. 9 Sept. 1955

(Polskie Wydawnictwa Gospodarcze) Warszawa

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1

Jan. 1956

GRZEGORZEWICZ J.

Przyprawy i surowce pomocnicze przy przerobie mięsa (Seasonings and auxiliary raw materials at the processing of meat) by J. Grzegorzewicz. Reported in New Books (Nowe Książki.) March 1, 1956.

GIEC, Leszek; GRZEGORZEWSKI, Jerzy.

Renal diabetes of type B. Polski tygod. lek. 11 no.4:158-163 23 Jan 1956.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej A.M. w Bytomiu;
kier.: prof. dr. K.Gibinski. Bytom, ul. Wallisa 3 m. 2.

(GLYCOSURIA

renal, type B, diag. & ther.)

(KIDNEYS, dis.

glycosuria, type B, diag. & ther.)

BUKOWSKA, Hanna; GRZEGORZAKOWSKI, Wladyslaw; OWCZAK, Elzbieta.

Determination of panthotenic acid in various pharmaceutical substances and forms. II. Determination of panthotenic acid in ointments. *Acta Pol. pharm.* 21 no.3:291-295 1964

1. Z Zakladu Farmacji Stosowanej Instytutu Farmaceutycznego w Warszawie (Kierownik: doc. dr. L. Krowczynski).

GRZEGORZEK, Henryk, mgr.inz.; MARONA, Rudolf, mgr; SOZANSKI, Jakub, mgr.inz.

Recent type of distillation furnaces for the production of raw zinc.
Rudy i metale 7 no.6:275-279 Je '62

L 5001-66 FSS-2/ETC/EWG(m)

ACC NR: AP5026673

PO/0053/65/000/010/0498/0504
621.352

28
27
23

AUTHOR: Wolkenberg, A. ; Grzegorzewicz, J.

TITLE: Investigation of secondary storage batteries having an Ag/AgO electrode

SOURCE: Przegląd elektroniki, no. 10, 1965, 498-504

TOPIC TAGS: silver zinc battery, storage battery, nickel cadmium battery

21
ABSTRACT: The electrical properties of Ag-Zn accumulators of Polish production are described. The experimental investigation of the electrical properties of Ag-Zn accumulators produced in the CLAI0 (Type C10) is described. The accumulators tested were found to maintain their nominal capacity after being stored for two months; after 12 months storage they had only 50% of their initial capacity. They were compared with similar lead-acid and alkaline accumulators. The shortcomings of Ag-Zn accumulators are discussed (high cost of production, low life-time, poor performance at low temperatures; they last only 30 - 40 discharge cycles). It is concluded that the Ag-Zn accumulator is a special source of electrical energy to be used profitably only for some special purpose; no widespread use of this type of accumulator is recommended. The second part of the paper is devoted to similar investigation of Ag-Cd accumulators. The experiment shows that the capacity of Ag-Cd accumulators depends on the manner of discharging to much greater degree than is the case with Ag-Zn accumulators. The life-time of Ag-Cd accumulators is somewhat smaller than that of Ag-Zn accumu-

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lators. It is concluded that from the standpoint of electrical properties Ag-Zn accumulators produced by CLAlO (type C10) are worse than Ag-Zn accumulators but are better than Ni-Cd gastight accumulators. The authors thank Engr. C. Nowak for providing them with data on the life-time of Ag-Zn accumulators discharged by 2 amp current. Orig. art. has: 5 figures, 7 tables, and 2 formulas.

ASSOCIATION: None

SUBMITTED: 17Apr64

ENCL: 00

SUB CODE: EE

NO REF SOV: 000

OTHER: 000

PC

Card 2/2

BUKOWSKA, Hanna; GRZEGORZEWICZ, Wieslawa; PAWLAK, Elzbieta

Determination of panthenol in bulk and in pharmaceutical forms.
Pt.3. Acta Pol. pharm. 22 no.3:249-254 '65.

1. Z Zakladu Farmacji Stosowanej Instytutu Farmaceutycznego w
Warszawie (Kierownik Zakladu: doc. dr. L. Krowczynski).

P/044/60/000/008/002/009

A107/A026

AUTHORS: Grzegorzewski, I.; Jarosiński, I.; Masters of Engineering

TITLE: Inspection of jet engines

PERIODICAL: Wojskowy Przegląd Lotniczy, no. 8, 1960, 32 - 37

TEXT: Dealing with the development of the complicated design of jet engines the authors state that continuous inspection of jet engines and investigation of their operation is indispensable and of high importance. Inspections performed for maintenance purposes help the scientists in their efforts to improve existing types and to design new types of jet engines. The inspections and investigations are classified according to various criteria and require special tools, equipment, laboratories, etc, by which the achieved observations, tests, results and data can be evaluated. Use of cameras, recording devices, etc, are indispensable for exact investigation of the manifold mechanisms of jet engines. Attention should be paid to the health and safety of personnel and to fire, noise and explosion protection. d

Card 1/1

GRZEGORZEWSKI, J.; JANUSZEWSKI, J.

Guided missiles as one of the basic directions of development of modern
aeronautics. p. 3.

WOJSKOWY PRZEGLAD LOTNICZY. (Dowództwo Wojsk Lotniczych) Warszawa, Poland.
Vol. 12, no. 1, Jan. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

26.5000
21.1950

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POL/44-60-3-6/16

26(3B)

AUTHOR: Grzegorzewski, J., Graduate Engineer

TITLE: The Application of Nuclear Drive in Aviation 19

PERIODICAL: Wojskowy Przegląd Lotniczy, 1960, Nr 3, pp 24 - 32

ABSTRACT: The author gives a general description of nuclear powered jet and rocket engines and the aspects for their use as aircraft propellant. The principle of direct action nuclear jet engines are shown in Figures 1 and 2 and of one with indirect heat exchange in Figure 3. For successful employment of these and also of pulse jets as shown in Figure 4, materials withstanding temperatures of 1,500°C are required but such are not yet available. An atomic powered rocket engine as shown in Figure 5, using liquid hydrogen or water as propelling medium, would operate on even higher temperatures. The author states that at the present time no aircraft is flying on nuclear power only; however, atomic powered engines are being tested in aircraft propelled by conventional engines. As the first step, he predicts the development of atomic powered turboprop engines and mentions intensive research on propeller blades which are supposed to work efficient-

Card 1/2

The Application of Nuclear Drive in Aviation

68879
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ly at and beyond sonic speeds. He also predicts compound drive, using conventional and atomic jet engines, as shown in Figure 6. The great weight of the currently built atomic reactors would not allow construction of atomic powered aircraft weighing less than 150 tons at the present time.

There are six diagrams.

4

Card 2/2

GRZEGORZEWSKI, J., mgr., inz.; JAROSINSKI, J., mgr., inz.

Testing of jet engines. Wojsk przegl 13 no.8:32-37 Ag '60.

GRZEGORZEWSKI, J., mgr., inż.

Examining aeronautical and rocket equipment by means of jet
propelled sleighs. Wojsk przegl 15 no.8:38-49 Ag '61.

GRZECORZEWSKI, J., mgr., inż.

The heat barrier. Wojsk przegl 15 no.10:35-42 0 '61.

P/044/62/000/001/001/002
D001/D101

AUTHOR: Grzegorzewski, J., Master of Engineering
TITLE: Problems of aerodynamic heating
PERIODICAL: Wojskowy przegląd lotniczy, no. 1, 1962, 17-27

TEXT: A basic description is given of countermeasures against aerodynamical heating at supersonic speed. The article is a continuation of an item which appeared in the no. 10, 1961 issue of this periodical under the title "Barjera cieplna" (Heat barrier). The following subjects are discussed in broad outlines in this article: cabin refrigeration, uneven stresses in aircraft structures due to heating, the effect of aerodynamical heating on the hydraulical, electrical, fuel and lubrication systems of an aircraft, countermeasures against aerodynamical heating of aircraft parts and protection of rockets and ballistic missiles against aerodynamical heating. There are 5 figures, 7 Soviet-bloc and 1 non-Soviet-bloc reference. ✓

Card 1/1

P/008/62/000/003/001/001
D265/D302

AUTHOR: Grzegorzewski, Jerzy, Master of Engineering

TITLE: Rocket engines with solid fuels

PERIODICAL: Technika lotnicza, no. 3, 1962, 72-80

TEXT: A survey is given of the developments in the design of the rocket engines with solid fuel, based on American achievements available to the author. A comparison is made of the various properties of solid fuel mixtures, their suitability and limitation of applications as rocket propellants. A description is given of rocket design features including the design of the combustion chamber, ignition devices, materials used and the regulation of the rate of combustion, starting and stopping of the burning process. The properties of American propellants and missiles are described in detail. There are 18 figures, 2 tables and 10 references: 7 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: M. Barrere et al., "Rocket Propulsion",

Card 1/2

Rocket engines with solid fuels

P/008/62/000/003/001/001
D265/D302

Elsevier Publishing Company, 1960; G. Huggett, G.E. Bartley and M.
M. Mils, "Solid propellant rocket", Princeton University Press,
1960; G.P. Sutton, "Rocket propulsion elements", London 1960. ✓

Card 2/2

38692

P/008/62/000/006/001/001
D286/D308

26.2/35

AUTHOR: Grzegorzewski, Jerzy, Master of Engineering
TITLE: Combustion chambers of aircraft turbine engines.
Part 1
PERIODICAL: Technika lotnicza, no. 6, 1962, 165 - 171

TEXT: The basic requirements of a combustion chamber for a gas turbine are stated and a detailed account of gas dynamic processes prevailing during the combustion is given. The action of swirling injectors is treated in detail and their performance in various phases of combustion is studied. Combustion chamber losses which are divided into gas dynamic and heat losses are discussed in terms of the coefficient of overall pressure losses σ and the coefficient of hydraulic losses ξ correlated by

$$\sigma = 1 - \frac{k}{2} \cdot \xi \text{ Ma}_1^2 \quad (6)$$

where Ma_1 - Mach number for the cases of high pressures and moderate velocities and related by
Card 1/2

Combustion chambers of aircraft ...

P/008/62/000/006/001/001
D286/D308

$$\sigma = 1 - \frac{\xi \cdot k \text{Ma}_1^2}{2(1 + \frac{k-1}{2} \text{Ma}_1^2)^{\frac{k}{k-1}}} \quad (8)$$

for lower pressures and higher velocities. The heat losses are analyzed in terms of the coefficient of heat emission η

$$\eta = \frac{(1 + \alpha \cdot 1)t_{c2}C_{p2} - t_{c1}C_{p1}\alpha \cdot 1}{W} \quad (15) \quad \checkmark$$

W - lower calorific value of fuel, α - air excess coefficient. The inter-dependence of the heat and gas dynamic losses and the influence of α are discussed with reference to the recent Soviet sources of information in this field. There are 11 figures.

ASSOCIATION: Instytut lotnictwa (Institute of Aviation)

Card 2/2

42738

P/008/62/000/010/002/002
D265/D508

26.2/35

AUTHOR: Grzegorzewski, Jerzy, Master of Engineering
TITLE: Combustion chambers of aircraft turbine engines.
Part III
PERIODICAL: Technika lotnicza, no. 10, 1962, 291-296

TEXT: The investigations of combustion chambers for research purposes and performance tests are discussed. The visual observation of the hydrodynamic properties of flow in the combustion chamber using a plane chamber model in a water tunnel is described. The distribution of the secondary air injected into the combustion chamber, its velocity, the direction of flow and the depth of penetration which influence the combustion process and the flame extinguishing characteristics are studied on a space model. Methods are given for studying the formation of the air-fuel mixture, its sampling and the investigations of the size and the path of atomized mixture droplets. The description of the test-rigs and equipment is followed by one of the methods of measuring air and fuel consumption,

Card 1/2

Combustion chambers ...

P/008/62/000/010/002/002
D265/D308

temperature and pressure distribution and the photometric exhaust gas analysis. The photographic method of recording the test data, their utilization for plotting the results and precautions to be observed during tests are discussed. An analysis is given of faults encountered during the testing and their prevention. An estimation is made of the magnitude of the error introduced by the determination of the coefficient of heat emission in the combustion chamber from the parameters obtained during tests. There are 9 figures. ✓

Card 2/2

P/532/62/000/017/003/004
D237/D308

AUTHOR: Grzegorzewski, Jerzy, Master of Engineering
TITLE: Tests of combustion chambers of aircraft turbo-
engines
SOURCE: Warsaw. Instytut Lotnictwa. Prace, no. 17, 1962,
22-34

TEXT: The author discusses the basic and routine tests of aircraft combustion chambers. The basic problems considered are:
1) Secondary air supply and distribution, the relation between the depth of penetration of the air stream and the flow parameters and nozzle diameter; this is illustrated by a formula and an experimental set-up. 2) Formation of the working air-fuel mixture, optimal drop size and optimal angle of dispersion of the injected fuel, and the stability of combustion. Influence of the rate of evaporation of the fuel on the stability of combustion, and on the heat evolved is shown graphically and the apparatus used for sampling and analyzing the mixture and for the determination of the drop size is

Card 1/2

Tests of combustion chambers ...

P/532/62/000/017/003/004
D237/D308

described. Routine tests require a testing stand, and the stand used by the author is described together with the test apparatus. Relative merits of the electrothermal (thermocouples) and spectrophotometric methods of temperature determination are discussed, together with the characteristics of the combustion chamber, its stability range and its defects. Finally, a statistical method is given for the interpretation of results and the estimation of errors in determination of the combustion efficiency. There are 20 figures.

SUBMITTED: July, 1962

Card 2/2

GRZEGORZEWSKI, Jerzy, mgr inż.

Combustion chambers of aircraft turbine engines. Techn lotn
17 no.8:235-242 Ag '62.

GRZEGORZEWSKI, Jerzy, mgr inż.

Combustion chambers of aircraft turbine engines. Pt. 3.
Techn lotn 17 no.10:291-296 0 '62.

P/044/63/000/003/001/004
E075/E436

AUTHOR: Grzegorzewski, J., Master of Engineering

TITLE: Combustion chambers in aircraft turbine engines

PERIODICAL: Wojskowy przegląd lotniczy, no. 3, 1963, 39-46

TEXT: Different types of the combustion chambers in current use are reviewed. Three main types of the chambers are: single jar, ring and mixed jar-ring chambers. The jar chambers are used most frequently including the Soviet turbine engine WK-1 which consists of 9 single jar chambers. The materials for the construction of the chambers are generally alloy steels or chrome-nickel alloys. The interior lining of the chambers is constructed from a carbon steel sprayed with Al to decrease the radiation and increase the resistance to corrosion. There are 5 figures.

Card 1/1

GRZEGORZEWSKI, Jerzy, mgr inż.

Contribution to the methods of testing combustion chambers of
gas turbine engines. Techn lotn 18 no.9:230-233 3'63

GEORGIEWSKI, Jerzy, mgr inż.

Studies on the combustion zone of the chamber with vaporizing burners of an aircraft turbine engine. Techn lotn 19 no.6:155-158 Je '64.

I. Institute of Aeronautics, Warsaw.

GIEGURZEWSKI, Jerzy, mgr inż.

Turbine combustion engines. Przegl techn 85 no.40:1,5
4 0 '64.

L 41196-66 EWT(d)/ENP(f)/T-2/E P(t)/ETI IJP(c) JH/JD/WW
ACC NR: AP6018235 SOURCE CODE: PO/0044/65/000/012/0028/0037

AUTHOR: Grzegorzewski, Jerzy (Master engineer) 47

ORG: None 13

TITLE: The present state and some developmental trends in aircraft turbine engines 23

SOURCE: Wojskowy Przegląd lotniczy, no. 12, 1965, 28-37

TOPIC TAGS: turbine engine, turboprop engine, aircraft engine

ABSTRACT: The author reviews the state of the art and planned improvements in the design and production of turbine engines for aircraft in the United States, England, Italy, France and West Germany. Some new improvements in engine design include the use of lightweight alloys, heat exchangers, multistage units and air-cooled turbine vanes. The development of double-flow turbines is discussed and some examples are given. Some of the latest advances in turboprop engines are also considered. It is pointed out that improvements in engine design have increased the time between repairs, as well as the total service life of turbine engines used in aircraft. Orig. art. has 8 figures.

SUB CODE: 21/ SUBM DATE: none/ SOV REF: 002/ OTH REF: 005
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aircraft engine materials 18

Card 1/1 MLP

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ACC NR: AP6031487

SOURCE CODE: CZ/0008/66/000/004/0499/0522

34
13

AUTHOR: Grzelakowska, Barbara

ORG: Department of Biochemistry, Institute of Experimental Biology im. M. Nencki, Warsaw (Zaklad Biochemii Instytutu Biologii Doswiadzalnej)

TITLE: Biochemical properties of folic acid metabolites

SOURCE: Chemicke listy, no. 4, 1966, 499-522

TOPIC TAGS: biochemistry, biologic metabolism, enzyme, molecular structure, hydrogenation, organic nitrogen compound

ABSTRACT: Biochemical and biological properties of metabolites of folic acid are discussed. Analogues of folic acid are the first substances that were known to have a cytostatic antimetabolite character. They found application in treatment of certain growths. The antimetabolite may either have the basic structure of the molecule similar to that of folic acid, or the structure may be substantially different. 4-aminoanalogues of folic acid, and their hydrogenated and formyl-derivatives are discussed. Hydrogenation of the pyrazine ring limits the efficiency of the substance. Biological properties of folic acid antimetabolite are discussed. The influence of the analogues of folic acid on the methylation reaction is discussed. Interaction of folic acid analogues with enzyme systems, and the changes that the analogues of folic acid undergo in an animal organism are discussed. Orig. art. has: 2 figures and 8 tables.

[JPRS: 36,464]

SUB CODE: 96 / SUBM DATE: none / ORIG REF: 010 / SOV REF: 002 / OTH REF: 234

Card 1/1 *adh*

0914 3768

KWIATKOWSKI, Adam; SZYMANSKI, Czeslaw; GRZEGOROWSKI, Leon

Power increase of the electric power station by 8.1% during the night peak by building tubular burners in 8 boilers of the Skaleczno Power Plant. Gosp paliw 11 Special issue no.(95):59 Ja '63.

S/282/63/000/001/006/011
A059/A126

AUTHORS: Grzegorzewicz, Józef, Pędowski, Konstanty

TITLE: Apparatus for the production of acetone from acetylene

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, 47. Khimicheskoye i kholodil'noye mashinostroyeniye, no. 1, 1963, 40, abstract 1.47.245 P (Pol. pat., cl. 12g, 4/02, no. 45035, October 10, 1961)

TEXT: The article has not been reviewed.

Card 1/1

GRZEGORZEWICZ, J.; WOLKENBURG, A.

Dry battery with pyridine depolarization. Chemia stosow 8
no. 2:277-278 '64.

BUKOWSKA, Hanna; GRZEGORZEWICZ, Wiesława; FANIAR, Elżbieta

Determination of pantothenol in various drug forms. I. Colorimetric determination in preparations and solutions for injections. Acta Pol. pharm. 21 no.2:169-174 '64.

1. Z Zakładu Farmacji Stosowanej Instytutu Farmaceutycznego w Warszawie (Kierownik: doc. dr. L. Krowczyński).

MACURA, BARBARA GREGORZEWSKA, Aniela, Kowalczyk, Józef

Observations on the treatment of infectious hepatitis with
cexamethasone. Wiad. lek. 18 no.15:1213-1219 1 Ag '65.

1. Z Oddziału Zakaznego Szpitala Miejskiego nr. 7 w Katowicach
(Ordynator: dr. med. M. Macura).

GRZEGORZEWSKI, Jerzy, mgr inż.

Turbine combustion engines in power engineering. Przegi
techn 85 no.52:1, 4 27 D '64.

GRZEGORZEWSKI, W.

"First National Technological Conference on Prepressed Concretes organized by the
Institute of Construction Technique in Warsaw." May 18-20, 1953. p.258
(Inzyniera I Budownictwo, Vol. 10, No. 8, Aug. 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June,
1954, Uncl.