magnetic field is weak compared to the gravitational one. In this approximation called the Maxwell approximation the system considered is given by

$$
\begin{aligned}
g_{11} &= -\left(1-\frac{2m}{r}\right)^{-1}\left\{1+\frac{1}{3}(S^2/r^4)[1+2P_2(\vartheta)]\right\} \\
&\cong -\left\{1+(2m/r)+\frac{1}{3}(S^2/r^4)[1+2P_2(\vartheta)]\right\}, \\
g_{22} &= -r^2\left\{1-\frac{1}{3}(S^2/r^4)[1+P_2(\vartheta)]\right\}, \qquad (9.21), \\
g_{33} &= -r^2\sin^2\vartheta\left\{1-\frac{1}{3}(S^2/r^4)[1+P_2(\vartheta)]\right\}, \\
g_{44} &= +\left(1-\frac{2m}{r}\right)\left\{1+\frac{1}{3}(S^2/r^4)[1+2P_2(\vartheta)]\right\} \\
&\cong +\left\{1-(2m/r)+\frac{1}{3}(S^2/r^4)[1+2P_2(\vartheta)]\right\}.
\end{aligned}
$$

25145

P/045/61/020/005/008/008
B133/B212

Influence of a magnetic dipole ...

ASSOCIATION: Physical Institute, Technical University, Pracha CSSR (sic!)

SUBMITTED: December 28, 1960

Card 4/4

PACHNER, P.; SLUSNEHO, E.; BLAZKOVE, G.

Functional test in silicotic miners for compensation purposes. Pracovni lek. 2 no.6:357-363 Dec 50. (CLML 20:6)

1. Of the Institute of Industrial Medicine, Ostrava.

KADLEC, K.;PACHNER, P.;PELNAR, P.

Interpretation of pulmonary function tests in silicosis. Pracovni lek. 4 no. 1:83-86 Mar 1952. (CIML 23:3)

1. Brno.

BOUSKA, J.; JINDRICHOVA, J.; PACHNER, P.; SKRBKOVA, E.; SVESTKA, B.; TAUFROVA, M.

Tasks of regional health services in the care of workers. Cesk. zdravot 6 no.9:528-539 Sept 58.
(INDUSTRIAL HYGIENE
role of regional health serv. in care of workers (Cz))

DAVID, A.; FUCHS, A.; PACHNER, P.; VASAK, V.

Carbon disulfide. Prac. lek. 15 no.1:Suppl 1-2 Ja '63.

(CARBON DISULFIDE) (INDUSTRIAL MEDICINE)
(AIR POLLUTION)

PACHNER, P.

Postgraduate training for hygiene work. Prac. lek. 15 no.4: 139-142 My '63.

1. Ustav hygieny prace a chorob z povolani v Praze, reditel prof. dr. J. Teisinger, DrSc.
(EDUCATION, MEDICAL, POSTGRADUATE)
(PUBLIC HEALTH) (HYGIENE)

CZECHOSLOVAKIA

A. DAVID, A. FUCHS, F. PACHER and V. VASAK [Affiliation not stated.]

"Carbon Sulfide."

Prague, Pracovni Lekarstvi, Vol 15, No 1, Jan 1963; pp 1-2 of separately paginated section "Reviews" (Prehledy).

Abstract: Twelve physicochemical properties of CS_2 are tabulated; maximal allowable concentration is now 50 mg. per square meter in Czechoslovakia, 10 in USSR, 30 in Great Britain, 60 in USA; planned CEMA norm will be 10; industrial and technical uses of the compound and precautions in working with it are enumerated; also analytical methods and toxicology tests, biological exposure tests, preventive steps and counterindications are listed. Seven Czech, 1 Soviet, 10 Western ref's.

1/1

- END -

2434
CSO: 2000-N

PACHNER,P.; REJSEK,K.; VASAK,V.

Carbon monoxide. Prac.lek.15 no.9:suppl.:21-22 N'63.

*

Pachner, P.

CZECHOSLOVAKIA

PACHNER, P., MD.

Institute of Work Hygiene and Occupational Disease (Ustav hygieny prace a chorob z povolani), Prague

Prague, Prakticky lekar, No 24, 1963, pp 905-907

"Perspectives of Work Hygiene."

KABAT, Antonin; PACHNER, Petr; ZAORALEK, Jaroslav

Energy output in certain types of work in mines. Pracovni lek 6 no.2:73-87 Ap '54. (KEAL 3:8)

1. Z Oddeleni hygieny prace a nemoci z povolani KHES v Ostrave, vedoucí oddeleni Dr Petr Pachner.

(ENERGY, *output by miners) (MINING, *energy output by miners)

PACHNER, Petr

VOLF, Jaroslav, Dr; PACHNER, Petr, Dr; KANKRA, Antonin, Ing.; BRAHA, Vladimir

Possibility of further decrease of dustiness during wet drilling my means of wetting agent. Pracovni lek. 6 no.3:161-165 Je '54.

1. Z KHES, oddeleni hyg. prace a nem. z povolani v Ostrave (ved. oddeleni Dr P.Pachner) a z Katedry dobyvachich stroju Vysoke skoly banske (prof. ing. Kankovsky)
(DUST,
*control in drilling)

PACHNER, Petr. MUDr.

PACHNER, Petr. MUDr.

New method of evaluating the curves of forced expiration of vital capacity. Pracovni lek. 9 no.5:402-403 Nov 57.
(RESPIRATION, funct. tests
spirometry of expiration, new technic (Cz))

BOBAK, Jan, MUDr.; HAVRANKOVA, Jana, Ing.; KUBACKA, Richard, Ph.; PACHNER, Petr. MUDr., VOLF, Jaroslav, MUDr.

Fatal industrial intoxication or sudden death due to other causes? analysis of several case reports. Pracovni lek. 9 no.5:420-424 Nov 57.

(DEATH, SUDDEN, case reports
in indust., determ. of causes (Cz))
(OCCUPATIONAL DISEASES,
determ. of causes of fatal acute dis. in indust. (Cz))
(POISONING, case reports,
in indust., determ. of causes (Cz))

KUKACKA, Richard, Ph Mr.; PACHNER, Petr, MUDr.

Dust control in hard coal mines; suggestion for a method to be used by industrial hygiene stations. Pracovni lek. 9 no.5:425-429 Nov 57.

(MINES AND MINING,
dust control in hard coal mines (Cz))
(DUST, control in hard coal mines (Cz))

PACHNER, Petr. MUDr.; PICK, Jiri, (prom. lek.)

Effect of several individual aids in protection of hearing. Pracovni lek. 9 no.6:525-527 Dec 57.

1. Odbor hygieny prace KHES v Ostrave. P. P., KHES, Ostrava VII., Zaluzanskeho.

(HEARING DISORDERS, prev. & control
individual ear plugs, resonance deadeners & hoods, evaluation (Cz))

PACHNER, P.

KUKACKA, Richard, PhMr.; PACHNER, MUDr., (Technicka spoluprace); KRIZKOVA, Liba; SIAVICEK, Zdenek; HOSTALEK, Josef

Dust control in coal mines. II. Pracovni lek. 10 no.1:70-71 Mar 58.

1. Krajska hygienickoepidemiologicka stanice v Ostrave, reditel MUDr Jaroslav Verner, odbor hygieny prace, prednosta MUDr P. Pacher. Prednesenon na V. celostatnim sjezdu Pracovniho lekarstvi v Gottwaldove. R. K. KHMS-- odbor hyg. prace, Zaluzanskeho ulice-- Ostrava VII.

(DUST,
control in coal mines in Czech. (Cz))
(MINING,
same)

PACHNER, Petr

Dust control in mines of the Ostrava-Karvina basin. Pracovni. lek. 12 no.3:117-120 Ap '60.

1. Oddeleni hygieny prace KHES, Ostrava.
(DUST)
(MINING)

PACHNER, Petr

Dust detection apparatus in hard coal mines. Pracovni lek. 12 no.6:305-307 Jl '60.

1. Odbor hygieny prace krajske hyg. a epid. stanice u Ostrave.
(MINING)
(DUST)

PACHNER, Petr

Tasks of health workers in the hygiene of work. Pracovni lek. 13 no.6:267-269 Ag '61.

1. Odbor hygieny prace KHES-Ostrava, vedouci odboru MUDr. P. Pachner.

(HEALTH EDUCATION) (INDUSTRIAL MEDICINE)

X1

PACHNER, Petr, MU Dr.

Czechoslovakia

Institute of Work Hygiene and Diseases -- Prague
(Ústav hygieny práce a chorob z povolání -- Praha);
Cheif: J. TEISINGER, Prof Dr.

Prague, Praktický lékař, No 23, 1962, pp 991-994

"Law of the Central Committees and Hygienic Tasks of District Doctors."

PACHNER, Petr, MUDr.

Importance of the dust concentration measurement in ore mines for fighting silicosis. Rudy 11 no.2:41-42 F '63.

1. Predseda komise pro jednotnou metodiku na stanoveni prasnosti pri poradnim sboru hlavniho hygienika.

PACHNER, Petr, doc. MUDr., Praha 10, Srobarova 48; SIMECEK, Jaroslav

Methods for the measurement of dust and evaluation of hazards due to dust in Czechoslovakia. Prac. lek. 17 no.7:299-303 S '65.

1. Ustav hygieny prace a chorob z povolani v Praze (reditel prof. dr. J. Teisinger, DrSc.). Submitted May 10, 1965.

CZECHOSLOVAKIA/Human and Animal Physiology. Lactation T-10

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65594

Author : Pachnerovs Eva, Brutar Vlastimil, Zvolska Eva
Inst : -
Title : The Possibility of Augmenting Lactation.

Orig Pub : Lekar. listy, 1954, 9, No 1, 10-14

Abstract : No abstract

Card : 1/1

PACHNIEWICZ, T.

"Figures of the industry; November 1957."

p. 108 (Tele-Radio) Vol. 3, no. 2, Feb. 1958
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

PAVLOV, G.; GANZUREV, G.; DZHEROVA, N.; ZHELEVA, A.; NIKOLOVA, D.; KHITSOV, Kh.; VLASEV, K.; BOIADZHIEV, Zh.; OBREIKOV; NEDEV, B.; PACHNIKOV, I.

Statistical data on results of various therapeutic methods in joint tuberculosis of the extremities. Khirurgiia 15 no.2/3: 167-169 '62.

(TUBERCULOSIS OSTEOARTICULAR surg)

PACHNOSKI, M.

What kind of repair documentation should the repairer receive? p. 71
(PRZEGLAD PAPIERNICZY, Lodz, Vol. 11, no. 3, Mar. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

PACHO, A., Dr.

Organisational problems of medical service in large towns.
Cesk. zdravot. 5 no.3:138-142 Mar 57.

1. Namestek ministra zdravotnictvo.
(PUBLIC HEALTH,
urban organiz. (Cz))

PACHO, Alexandr, Dr.

Discussion on incapacitation by diseases. Pracovni lek. 11 no.1-2:86 Feb 59.

1. Namestek ministra zdravotnictvi Polske lidove republiky.
(HANDICAPPED,
indust. disability in Poland (Cz))

PACHO, Jerzy

New regulations regarding the wages of industrial gards. Praca zabezp spol 3 no.8/9:99-100 '61.

PACHO, Jerzy

New regulations for employing and remuneration of workers of scientific and research institutes. Praca zabezp spol 4 no.1:46-53 '62.

RODKIEWICZ, Bohdan; GABARA, Barbara; PACHO, Krystyna

Growth rate differentiation of mature tissue cells under the influence of gibberellin. Nauki matem przyrod Lodz no.12:93-100 '62.

1. Katedra Anatomii i Cytologii Roslin, Uniwersytet, Lodz.

PACHOCINSKI, Mieczyslaw, inz.

Role, tasks, and achievements of the Designing Laboratory of the Paper Industry. Przegl mech 22 no.7/8:207-209 10-25 Ap '63.

1. Manager, Design Office of the Paper Industry, Lodz.

PACHOGIN, Ivan Pavlovich; BURAK, Lev Yakovlevich; RABINOVICH, Grigoriy Mikhaylovich; KRUGLYAKOV, Yuliy Gdal'yevich; KOLODEY, A.P., red.

[Practice in planning the capital repairs of residential buildings] Opyt proektirovaniia kapital'nogo remonta zhilykh zdanii. Moskva, Stroiizdat, 1964. 124 p. (MIRA 18:1)

PACHOLARZ, Antoni, inz.

Electrification of the line Katowice--Katowice Ligota-Tychy --
--Czechowice Dziedzice--Bielsko Biala Glowna. Przegl kolej
elektrotech 11 [i.e. 16] no.2:36-38 F '64.

PACHOLARZ, Antoni, inz.

Modernization of dispatch in the districts. Przegl kolej elektrotech 10 [i.e. 15] no.10:288-289 O '63.

PACHOLARZ, Antoni, inz.

Radio and tape recording as well as teletyping arrangements for the car recording personnel at Lazy station in the Katowice District Administration of the State Railroads. Przegl kolej elektrotech 11 [i.e. 16] no.3:69-70 Mr '64.

PACHOLCZYK, A.

SCIENCE

periodicals: POSTEPY ASTRONOMII Vol. 6, no. 3, July/ Sept. 1958

PACHOLCZYK, A. From the problems of incoherent dispersion. p. 103.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

PACHOLCZYK, A.

SCIENCE

periodicals: POSTEPY ASTRONOMII Vol. 6, no. 3, July/Sept. 1958

PACHOLCZYK, A. The effect of temperature on van der Waals broadening of resonance lines. p. 106.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

PACHOLCZYK, A.

Selected problems of magnetohydrodynamics of the laminar movement. p.127.

POSTEPY ASTRONOMII. Krakow, Poland. Vol. 6, no. 4, Oct./Dec. 1958.

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

PACHOLCZYK, A.

On the absorption-polarization ratio in various spiral arms of the Galaxy. p.154.

POSTEPY ASTRONOMII. Krakow, Poland. Vol. 6, no. 4. Oct./Dec. 1958.

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

PACHOLCZYK, A.

On a hypothesis of Platt. p.168.

POSTEPY ASTRONOMII. Krakow, Poland. Vol. 6, no. 4, Oct./Dec. 1958.

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

PACHOLCZYK, A.

Selected problems of the magnetohydrodynamics of the laminar movement. Pt.3. The general regular magnetic field of the Galaxy.

POSTEPY ASTRONOMII. (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.

PACHOLCZYK, A.

The 4430 interstellar band and the polarization of starlight. p. 125

POSTEPY ASTRONOMII. (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.

PACHOLCZYK, A.

P/011/60/000/009/002/003
B021/B067

AUTHOR: Pacholczyk Andrzej (Warsaw).

TITLE: Introduction Into Magnetohydrodynamics

PERIODICAL: Urania, 1960, No. 9, pp. 262-268

TEXT: The present paper which is intended for persons with secondary-school training describes the principles of magnetohydrodynamic action. The interaction between the motion of a conductive liquid or of a gas and a magnetic field is discussed. This interaction can be theoretically described on the basis of Maxwell or Navier-Stokes-equations as well as by the continuity equation. The dependence of magnetohydrodynamic interaction on the liquid parameters (electrical conductivity, viscosity, magnetic permeability), the potential of the magnetic field, and the velocity field is discussed and the application of hydrodynamic concepts to astrophysical problems is explained. The author also deals with the phenomenon of divergence in the medium of the magnetohydrodynamic wave (Fig. 1) and with the sinusoidal course of variations in the velocity of liquids, the force of the induced magnetic field, current density, and

Card 1/2

solar limb. Results for the inner corona agree well with those obtained by Vashakidze (1949), whilst those for the outer corona are in line with Chiman (1947). Polarization of the K (electron) component at 1.2 solar radii was 54% close to

PACHOLCZYK, A.G.; STODOLKIEWICZ, J.S.

The magnetogravitational instability of the medium of finite electric conductivity. Bul Ac Pol mat 7 no.11:681-685 '59.
(EEAI 9:10)

1. Astronomical Observatory, Warsaw University. Department of Astronomy, Polish Academy of Sciences. Presented by W.Rubinowicz.
(Rotating bodies)
(Electric conductivity)

P/010/60/008/003/001/006
E032/E314

AUTHOR: Pacholczyk, A.G.

TITLE: Magnetogravitational Instability of a Nonuniform Compressible Core Taking Part in Differential Rotation

PERIODICAL: Postępy astronomii, 1960, Vol. 8, No. 3, pp. 155 - 161

ABSTRACT: The stabilising influence of a magnetic field on the formation of the spiral arms of the Galaxy was considered by the present author and J.S. Stodółkiewicz (Refs. 2, 3). In these papers a study was made of the gravitational instability of a uniform, axially symmetric core subject to differential rotation and having a transverse magnetic field. An instability condition was obtained subject to the local approximation. When this condition is applied to a uniform protogalaxy an estimate can be obtained for the upper limit of the magnetic field of the protogalaxy. If the magnetic field is larger than the critical value determined by the instability condition then the spiral arms of the Galaxy cannot be formed because of gravitational instability.

Card 1/6

P/010/60/008/003/001/006
E032/E314

Magnetogravitational Instability of a Nonuniform Compressible Core Taking Part in Differential Rotation

Using the observed dimensions of the spiral arms (1 kpc) and the density of the protogalaxy in the neighbourhood of the Sun (4.2×10^{-24} g/cm^3), it was shown that the upper limit of the magnetic field is 10^{-5} Oe. The present paper is concerned with the generalisation of the above problem to the case of a non-uniform model of a protogalaxy, taking part in differential rotation. The core is assumed to be isothermal and having an axial symmetry. The following equations form the starting point of the discussion (in the magnetohydrodynamic approximation) for a perfectly conducting and non-viscous core:

$$\rho' \dot{\vec{v}}' + \rho' (\vec{v}' \text{ grad}) \vec{v}' = -v_s^2 \text{ grad } \rho' - (4\pi)^{-1} \vec{H}' \times \text{rot } \vec{H}' + \rho' F_c + \rho' F_o + \rho' \text{ grad } (\Psi' + \Phi') \quad (1)$$

$$\dot{\vec{H}} = \text{rot } (\vec{u}' \times \vec{H}') \quad (2)$$

Card 2/6

P/010/60/008/003/001/006
E032/E314

Magnetogravitational Instability of a Nonuniform Compressible Core Taking Part in Differential Rotation

$$\operatorname{div} \bar{H}' = 0 \qquad (3)$$

$$\dot{\rho}' + \operatorname{div} \rho' \bar{v}' = 0 \qquad (4)$$

$$\operatorname{div} \operatorname{grad} \Psi' + 4\pi G \rho' = 0 \qquad (5)$$

$$\operatorname{div} \operatorname{grad} \Phi' + 4\pi G' \rho_t = 0 \qquad (6)$$

In these equations $\bar{F}_c$ is the coriolis acceleration,
$\bar{F}_o$ is the centripetal acceleration,
Φ' is the gravitational potential due to the mass density, ρ_t, which is not subject to perturbation.

The remaining symbols were defined in Ref. 2. It is assumed further that the absolute magnitude of the magnetic field is proportional to the square root of the density of the core so that:

Card3/6

P/010/60/008/003/001/006
E032/E314

Magnetogravitational Instability of a Nonuniform Compressible Core Taking Part in Differential Rotation

For the case

$$r_o \gg \lambda/2\pi \tag{54}$$

where λ is the wavelength of the perturbation, the instability condition is:

$$\lambda > \lambda_* = \pi\sqrt{\frac{V_s^2 + V_a^2}{\pi G\varrho + \frac{1}{2}\Omega F}} \tag{55}$$

which is identical with the instability conditions obtained in Ref. 2 for a uniform core. It follows that all the astrophysical deductions derived in the latter paper, as well as the estimate of the upper limit of the magnetic field, will also apply to the nonuniform model provided Eq. (40) is satisfied.

Card 5/6

PACHOLCZYK, A.G.

On the gravitational instability of some magnetohydrodynamic systems of astrophysical interest. Pt. 2. Acta astronom 13 no.1:1-29 '63.

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

S/269/63/000/003/015/036
A001/A101

AUTHOR: Pacholczyk, A. G.

TITLE: On the upper limit of magnetic field strength in the Galaxy

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 3, 1963, 33, abstract 3.51.259 ("Postępy astron.", 1962, v. 10, no. 1, 79, Polish)

TEXT: See abstract 28. The author considers the effect of a magnetic field on the process of origination of spiral arms in the Galaxy due to gravitational instability. The upper limit of magnetic field strength in the Galaxy is estimated to be 4×10^{-6} gauss.

W. Wiśniewski

[Abstracter's note: Complete translation]

Card 1/1

S/269/63/000/002/034/037
A001/A101

AUTHOR: Pacholczyk, A. G.

TITLE: Magnetogravitational instability of a stratified medium

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 70, abstract 2.51.564 ("Postępy astron.", 1962, v. 10, no. 1, 79, Polish)

TEXT: See abstract 28. The author determines a criterion for magnetogravitational instability of a heterogeneous compressible medium subjected to axisymmetrical disturbances.

W. Wiśniewski

[Abstracter's note: Complete translation]

Card 1/1

PACHOLCZYK, A.G.

Statistical investigations of the polarization of starlight in the Milky way. Pt. 1. Acta astronom 9 no.1:17-24 '59.

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

PACHOLCZYK, A.G.

Origin of the spiral sides in the Galaxy and the mechanism of gravitational instability. Postepy astronom 9 no.3:147-155 '61.

PACHOLCZYK, A.G.

A recent attempt at detecting an interstellar magnetic field through the Zeeman effect of the 21 cm line. Postepy astronom 9 no.3:179-180 '61.

PACHOLCZYK, A.G.

On the fronts of magnetosound waves in nonhomogeneous centers. Postepy astronom 9 no.3:181 '61.

PACHOLCZYK, A.G.

On the superior limit of intensity of the magnetic field in the Galaxy. Postepy astronom 10 no.1:79 Ja-M '62.

PACHOLCZYK, A.G.

Magnetogravitational instability of a stratified medium.
Postepy astronom 10 no.1:79 Ja-M '62.

PACHOLCZYK, A.G.

Formation of spiral arms in the Galazy and the mechanism of magnetogravitational instability. Postepy astronom 9 no.3:147-155 Jl-S '61.

S/035/62/000/004/027/056
A001/A101

AUTHOR: Pacholczyk, A. G.

TITLE: Formation of spiral arms in the Galaxy by the mechanism of magneto-gravitational instability

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 4, 1962, 73, abstract 4A600 ("Postępy astron.", 1961, v. 9, no. 3, 147-155, Polish)

TEXT: This is a survey of works of Pacholczyk and J. S. Stodółkiewicz which deal with generalization of Jeans instability criterion to the case of a non-homogeneous medium rotating in a magnetic field. There are 15 references.

[Abstracter's note: Complete translation]

Card 1/1

PACHOLCZYK, A.G.

On the fronts of magneto-sound waves in nonhomogenous media.
Postepy astronom 9 no.3:181 Jl-S '61.

PACHOLCZYK, Andrzej G., dr

Polish Astronomical Society. Review Pol Academy 7 no.4:83-84 O-D '62.

1. Secretary, Polish Astronomical Society, Warsaw, Al. Ujazdowskie 4.

PACHOLCZYK, Andrzej G., dr

The Polish Astronomical Association. Nauka polska 10 no.4:115-119 '62.

1. Sekretarz Polskiego Towarzystwa Astronomicznego, Warszawa, Aleje Ujazdowskie 4. Prezes Towarzystwa: prof. Antoni Opolski.

PACHOLCZYK, Andrzej G.

Force free magnetic fields. Postepy astronom 10 no.4:337-342 O-D '63.

S/269/63/000/002/037/037
A001/A101

AUTHOR: Pacholczyk, Andrzej, G.

TITLE: Observational aspects of cosmology

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 72, abstract 2.51.574 ("Postępy astron.", 1962, v. 10, no. 1, 15 - 44, Polish; Russian and English summaries)

TEXT: The author briefly outlines basic problems of cosmology and presents a popular survey of cosmological models. He discusses the magnitude-red shift diagram and expresses the opinion that it indicates the closedness of the Metagalaxy. Photometric, bolometric and evolutionary effects are mentioned which perplex the interpretation of observational optical data. The distribution of galaxies over distances and stellar magnitudes is considered. The age scale of various cosmological models ($\sim 10^{10}$ years) and of oldest stars ($\sim 2 \times 10^{10}$ years from Hoyle's data) is discussed. It is pointed out that the models of steady-state and Lemaitre-Eddington do not contain discrepancies between these ages. The author reports in a popular form on radioastronomical methods

Card 1/2

PACHOLCZYK, Andrzej G., dr.

The Polish Astronomical Society. Postepy astronom 10 no.3:303-307 '62.

1. Sekretarz Polskiego Towarzystwa Astronomicznego, Warszawa.

PACHOLCZYK, Andrzej G.

Observational aspects of cosmology. Postepy astronom 10 no.1:15-44 Ja-M '62.

PACHOLCZYK, Andrzej G.

Problems of gravitational instability of compressible systems.
Postepy astronom 10 no.2:113-124 '62.

PACHOLCZYK, A. G.

A new attempt of detecting the interstellar magnetic field by the Zeeman effect in the 21 centimeter band. Postepy astronom 9 no.3:179-180 Jl-S '61.

PACHOLCZYK, E., inz.

Appointment of a commission for improvement of the [redacted]tate of power management in the sugar industry plants. Gosp paliw 11 no.9:352 S '63.

L 01510-66 EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) IJP(c) MJW(CL)/JD/HW

A

ACCESSION NR: AP5021036 CZ/0078/65/000/008/P018/P018

AUTHOR: Vystyd, M. (Engineer) (Prague); Vodsedalek, J. (Engineer) (Prague); Sefl, P. (Engineer) (Prague); Pacholik, E. (Prague); Zivnustka, F. (Prague)

TITLE: Creep-resistant nickel-base alloy

37

B

SOURCE: Vynalezy, no. 8, 1965, p. 18 of supplement

TOPIC TAGS: alloy, heat resistant alloy, nickel alloy, chromium containing alloy, molybdenum containing alloy, tungsten containing alloy, cobalt containing alloy, titanium containing alloy, aluminum containing alloy, boron containing alloy, zirconium containing alloy

ABSTRACT: This Czech patent introduces an age-hardenable nickel-base alloy which has a very high creep strength at temperatures up to 1000C. The alloy contains 0.05—0.50% carbon, 0.50% max manganese, 0.50% max silicon, 8.0—15.0% chromium, 3.0—5.0% molybdenum, 2.0—5.0% tungsten, 0.5—12.0% cobalt, 0.5—6% titanium, 4.0—8.0% aluminum, 0.005—0.2% boron, 0.01—0.50% zirconium, and 3.0% max iron. [DV]

ASSOCIATION: none

Card 1/2

PACHOLIK, L.

Highway bridges, 1945-1955. (To be contd.) p. 138.
SILNICE. (ministerstvo dopravy) Praha. Vol. 4
no. 6, June 1955.

SOURCE: East European Accessions list, (EEAL), Library of Congress Vol. 5, no. 12, December 1956.

Pacholik, L.

Statically indefinite prestressed concrete structures. p. 265. INZENYRSKE STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 4, no. 6, June 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

PACHOLIK, L.

Consturction of highway bridges in 1957. p.18.
(Silnice, Vol. 6, No. 3, Mar. 1957, Praha, Czechoslovakia)

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

PACHOLIK, L.

A few outstanding bridge constructions of prestressed concrete in Czechoslovakia which were completed in 1956. p.13.
(Silnice, Vol. 6, No. 3, Mar. 1957, Praha, Czechoslovakia)

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

PACHOLIK, L.

"Establishment of types and the construction of highway bridges of prestressed concrete in Czechoslovakia. (To be contd.)"

p. 16 (Silnice) Vol. 6, no. 12, Dec. 1957.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

PACHOLIK, L.

"Establishment of types and the construction of highway bridges of prestressed concrete. (Conclusion)"

p. 6 (Silnice) Vol. 7, no. 1, Jan. 1958.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

PACHOLIK, Ladislav, dr., inz.

Types of girder systems for 3-9 meter bridges. Siln doprava 11 no.3:6-9 Mr '63.

1. Ministerstvo dopravy.

PACHOLIK, Ladislav, dr., inz.

Loading test of road bridges. Siln doprava 11 no.5:4-6 My '63.

1. Ministerstvo dopravy.

S/035/62/000/003/008/053
A001/A101

AUTHOR: Pacholoczyk, A. G.

TITLE: Impressions on the 4th International Conference on Cosmic Gas Dynamics (Aerodynamic phenomena in stellar atmospheres, Varenna, August 1960)

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 3, 1962, 35 abstract 3A264 ("Postępy astron.", 1961, v. 9, no. 2, 113-115, Polish)

TEXT: This is the report on the 4th International Conference on Gas Dynamics organized by the International Astronomical Union and International Union of Pure and Applied Mechanics which took place in Varenna in August 1960.

[Abstracter's note: Complete translation]

Card 1/1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

B-II-1

Bc

[illegible] of [illegible]. V. V. Korschak and S. I. Pschorny. [illegible] 1951, 16, 431—436). Adipic acid (I) heated [illegible] (I) [illegible] in 68% yield. In a current of NH_3 at 180° [illegible] gave its diamide (II) in [illegible] yield. (II) gave a similar yield of diketopiperidine (III) when heated with Ac_2O. A [illegible] yield of (III) is achieved when (II) is heated with NH_3, the product mixed with a mixture of Ac_2O and some NH_4 molybdate or Al_2O_3 and the mixture distilled first at 1 atm. and then in a vac. [illegible] J. J. B.

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

OPER

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

A I - 11, Geochemistry

Br. Abs.

Manganese in the sediments of polar seas. L. V. Klenova and A. S. Pachomova (Compt. rend. Acad. Sci. U.R.S.S., 1940, 28, 87-89). The Mn content of mud samples from the Barentz, Kara, and Greenland seas ranged from 0.010 to 1.516. The high concns. are found in separate areas of brown mud. In all cases the Mn content increases with the fineness of the sediment, and hence with the depth of the sea bed. The accumulation of Mn is favoured by oxidising conditions and high salinity gradients. L.J.J.

MYR, N. L.

USSR

535 343 4 : 539 132

9107. Vibration spectra and potential energy constants of ethylene and its deuterosubstitutes. I. M. SVERDLOV AND N. L. PACHOMOVA. *Zh. Fiziki. Khim. Fiz.*, 26, No. 1, 65-78 (1954) *In Russian*.

Calculations of the normal planar vibrations of an deuteroethylene are reported according to the customary frequency assignment [illegible] Barker, Rasmussen and Brattain [illegible] difficulties in the 600-1300 cm[illegible] region and is therefore rejected. Force and [illegible] for planar and non-planar vibrations are also determined. [illegible]

PACHONSKA J.

BUJAK W AND PACHONSKA J. Klinika chor. Dziec, U. U. I. w szpit.sa. Ludwika w Krakowie. Doswiadczenia ze streptomycyna Treatment of tuberculous meningitis with streptomycin Pediatria Polska, Warsaw 1948, 22/3 (372-274)

Intrathecal treatment of 35 cases did not give rise to any unfavourable symptoms. Very advanced cases with a normal sugar level react better to the treatment than apparently earlier cases with a considerably lowered level of sugar. During the treatment the sugar level varies very irregularly.

Bogdanowicz-Warsaw (XX, 7, 8, 15)

SO: Neurology & Psychiatry Section VIII Vol 3 No 7-12

PACHONSKA J.

ALEKSANDROWICZ J., GRABCYNSKA Z., GUTMANOWA I., KUKIZ B., JOSWA J., MUCHA T., PACHONSKA J.
Wplyw ipertu azotowego na ustepowanie porazen w gruzliczym zapaleniu opon mozgowo-rdzeinowych leczonych streptomycyna The invluence of nitrogen mustard on the recession of paralysis in tuberculous meningitis treated with streptomycin Polski Tyrodnik Lekarski, Warsaw 1949, 4?40 (1181-1182)

The drug was administered intravenously, once daily for 3-4 days to 10 children with this complication. In 6 of them paralysis disappeared in less than 24 hours.
Bordanowicz-Warsaw(XA, 7, 8, 15)

SO: Neurology & Psychiatry Section VIII Vol 3 No 7-12

PACHONSKA J. Z. klinike dziecieej u.j. i szpitala sw. Ludwika w Krakowie. Spostrzezenia nad leczeniem gruzlizego zapalenia opon mozgowo-rdzeniowych streptomcycyna Observations on the treatment of tuberculous meningitis with streptomycin Przeglad Lekarski, Cracow 1949, 5/5 (154-161) Tables 2

Description of the results obtained in 35 cases followed for 9 months from the beginning of the treatment. Of these 17 died; 3 were taken away by their parents as they were getting worse; 12 were still under treatment and in 5 of them severe complications developed; only 3 patients recovered and were discharge practically, cured. Streptomycin was given intrathecally o.1.g. and intramusclarly o.9g. daily.

Bogdanodvicz - Warsaw

SO: Neurology & Psychiatry Section VII Vol 3 No 7-12

Pachonska, Janina

PACHONSKA, Janina

Present views on the problem of tuberculous rheumatism. Pol. [illegible] med. [illegible]. 27 no.4:559-573 1957.

1. Z Instytutu Reumatologicznego Dyrektor: rpof. dr med. E. Reicher; Oddzial Krakow--Dyrektor: prof. dr med. A Sabatowski. Kierownik Oddz. Klin: prof dr med. A Scholowski. Adres autora: Krakow, ul. Pu[illegible], Inst. Reumat. Oddzial w Krakowie.

(TUBERCULOSIS, OSTEOARTICULAR,
tuberc. rheum., review (Pol))
(RHEUMATISM,
same)

PACHONSKI J.

ALEKSANDROWICZ J., GRABCZYSKA Z., GUTMANOWA I., KUKLA, B., JOZWA J., MUCHA T. and PACHONSKA J. Univ. in Cracow. Wplya iperytu asotowego na ustepowaine porazen w. gruzliczym zapaleniu opon mozgowo-rdzeniowych leczonych streptomycyna The influence of nitrogen mustard on the regression of paralysis in cerebrospinal meningitis treated with strep tomycin Polsk. Tyg. Lek. 1949, 4/40 (1181-1182)

A decrease of paralysis in tb spondylitis, observed a few hoursafter the administration of nitrogen mustard, encouraged the authors to investigate its influence on other paralytic states especially in the course of tb. Theregression of pralysis in 6 children treated in Clinic for Children's Dieases in Warsaw. This chemical compound was also found to cure paralysis of the peripheral nerves in menigaitis of some weeks's standing, but it does not r$_c$event the development of paralysis. Nitrogen mustard was used intravenously in doses of 0.01 g. ger kg. body weight dayly, repeating doses ever 24 hours from 2-3 times. The therapeutic results are perhaps due to the resorptive and anti-inflammatory action of the chemical, or to irritant action on the nervous tissue. The latter hypothesis is confirmed by observations of certain effects on paralysis of various argin(peripheral neuritis, radiculitis, cranial nerve palsy, also in spastic contractures in rheumatoid arthritis) and by some evidence of relief in cases with the clinical symptoms of optic nerve atrophy (observed in the opthalmotogical clinic of Jagiel University). It may be that in the phenomena described there is a chain of reactions, one link of which is the specific action

Cont.

PACHONSKI, J.

of the nervous system and through it, diminution of the clinical symptoms of inflammation.

Aleksandrowicz - Cracow (VIII, 6)

So: Neurology & Psychiatry Section VIII, Vol. 4, No. 1-6

PACHOVSKY, J.

Urgent problems in the technology of flax-breaking. p. 12.

(Textil. Vol. 12, no. 1, Jan. 1957. Praha, Czechoslovakia)

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

PACOVSKY, V.; SONKA, J.

Notes on neurohumoral effect on glycosuria and its clinical importance. Bratisl. lek. listy 34 no.6:661-666 June 54.

1. Z III. interni kliniky lekarske fakulty Karlovy university, prednosta prof. dr. J. Charvat.

(GLYCOSURIA, physiology
neurohumoral factors, clin. aspects.)
(CEREBRAL CORTEX, physiology
neurohumoral factors in glycosuria, clin. aspects.)

L 01694-67

ACC NR: AP6035180 (A) SOURCE CODE: PO/0081/65/019/002/0264/0265

JANUSZKIEWICZ, J.; and PACHOWSKA-ONICHIMOWSKA, D.; First Clinic of Infectious Diseases of Academy of Medicine (I Klinika Chorob Zakaznych AM), Warsaw.

"Treatment of Botulism"

Warsaw, Przeglad Epidemiologiczny, Vol 19, No 2, 1965; pp 264-265.

Abstract: Review of treatment in 7 recent hospitalized cases, including 3 severe ones; polyvalent botulin antitoxin was given in all, Periston N [polyvinylpyrrolidone] in two seemed useful, as did vitamin B_{12} (50 to 100 mcg subcutaneously t.i.d. or q.i.d. for a few days in 3 patients) and cocarboxylase 100 mg intravenously in 20% glucose b.i.d. or t.i.d. for ten days. Presented at the 3rd Scientific Assembly of Polish Epidemiologists and Infectologists, 5-6 Oct 64. [JPRS]

TOPIC TAGS: botulism, antitoxin, vitamin, therapeutics

SUB CODE: 06 / SUBM DATE: none

Card 1/1 hs

0921 1570

JAN[illegible], Jerzy; [illegible], Danuta

Apropos of some ocular manifestations of botulism. Pol. tyg. lek. 19 no.17:428-430 26 Apr '64.

1. Z I Kliniki Chorob Zakaznych Akademii Medycznej w Warszawie (kierownik: doc. dr. med. K. Rachon).

PACHOWSKI, J.

Tests and recommendations in the field of stabilizing ground with cement for the Wolomin-Jadow road. Biuletyn.

p. 17 (Drogownictwo. Vol. 12, no. 10, Oct. 1957. Warszawa, Poland)

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

PACHOWSKI, J. ; OLINGER, E. ; MATUSEWICZ, J.

Researches on the substratum and the road carrying surface using VSS apparatus. Bluletyn.

P. 1. (BUDOWNICTWO PRZEMYSLOWE) (Warszawa, Poland) Vol. 13, no. 1, Jan. 1958

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

PACHOWSKI, Jan, mgr. inz.; SKARZYNSKI, ZYGMUNT, mgr. inz.

The stabilization of cohesive soils with lime and fly-ashes in the light of Polish domestic experiences. Drogownictwo 17 no.4:81-84 Ap '62.

PACHOWSKI, Jan, mgr inz.; SLUPSKI, Witold, inz.; WILENSKI, Piotr, inz.

Studies on the use of fly ash for soil stabilization in road construction. Techn drog prace 1:9-26'61.

PACHOWSKI, Jan, mgr inz.

Pavement blowups and fractures on roads and some preventive measures. Techn drog prace 1:69-105'61.