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Application of exhaust ...

CO₂ analysis and to 12 v d.c. for CO + H₂ analysis; from the galvanometer of the CO₂ analyzer a series resistance was deleted and in the CO + H₂ analyzer a switch was fitted into the galvanometer shunting circuit. These conversions gave double magnification of the readings. The following gas flow circuit was used: Gas from the sampling probe was made to flow through a radiator, drier, filter, a throttle valve and a flowmeter to the CO + H₂ analyzer; from there the gas passed through a furnace at 300°C where the oxidation of CO and H₂ took place, platinum being used as catalyst. From the furnace the gas was passed through a second drier to the CO₂ analyzer and then to the pressure gauge and atmosphere. To measure the excess air required for complete combustion, immediately after the probe two tubular furnaces were used, one working at 1000°C with platinum catalyst and the other filled with copper oxide and heated to 850°C. The circuit used allowed an analysis of the primary zone,

Card 2/4

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Application of exhaust ...

32035
P/008/62/000/001/001/005
D269/D303

as well as an estimation of the combustion efficiency. Double magnification of readings resulted in better than 2% accuracy covering a wide range of measurements. The main disadvantage of the system was its high inertia. Each measurement took 5 - 8 minutes. Sampling methods and efficiency are discussed. Examples of application of the exhaust gas analysis include estimation of combustion efficiency, of the temperature of the exhaust gas, and investigation of the primary zone. In estimating exhaust gas temperature, a heat balance equation is derived, assuming an adiabatic combustion process. From this equation the temperature is calculated using a step-by-step method. The author concludes that although the cost of a first class apparatus is high and investigations of combustion processes are lengthy, they are economically justified. There are 15 figures and 11 references: 2 Soviet-bloc and 9 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: B. Toone and F. Arkles, "The application of Gas Analysis to Combustion Chamber Development", Seventh Symposium (International) on Combustion (1959), London But. Scient. Publ.; F. H. Holderness and J. J. Macfarlane. "The Conti-

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Card 3/4

Application of exhaust ...

32035
P/008/62/000/001/001/005
D269/D303

nuous Flow Instrumental Analysis of Flame Gases". Seventh Symposium (International) on Combustion (1959), London But. Scient. Publ.; E. F. Hill et al., SAE Journal, Jan. 1958; R. Friedman an E. R. Carlson, NACA Tech. Note 3566, Sept. 1955.

ASSOCIATION: Instytut lotnictwa, Warszawa (Institute of Aviation, Warsaw)

Card 4/4

X

CHOMIAK, Jerzy

6
217

Baranov, *Technika Lotnicza*, Vol. XVII, No 1, January 1962

1. "The 1962 Tasks of the Polish Society of Mechanical Engineers and Technicians," *Warszawa*; p 1.
2. "New Types of Jet Engines," *T. INGENIERY*, *Magister Ingeri* pp 2-3.
3. "Operations of Society in Aerocommunications," *Stefan KROCHMAL*, pilot; major in the reserves; pp 3-5. [Article is *WARTA* on *WARTA* at published in *WARTA*.]
4. "Application of the Analysis of Exhaust Gases to the Study of Combustion Processes of Turbine Engines," *STERYCZKA*, *Magister Ingeri*, of the Aviation Institute (*Instytut Lotniczy*), *Warszawa*; pp 6-15.
5. "Turbine Engines at the 24th Paris Show," *JULIAN MILCZAK*, *Magister Ingeri* pp 15-20.
6. "Patent News," *S. MIZERNI*, *Magister Ingeri* pp 20-23.

CSO: 2000-5
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P/033/62/014/003/010/011
D237/D308

AUTHOR: Chomiak, J. (Warsaw)

TITLE: Oscillations of a viscous liquid drop in a turbulent gas

PERIODICAL: Archiwum Mechaniki Stosowanej, v. 14, no. 3-4, 1962, 689-699

TEXT: The author obtains the equation for small oscillations of a drop with low viscosity in vacuum and then considers the influence of the external flow of gas on the oscillations of the drop. The flow is turbulent and consists of the part causing the oscillations and of the part induced by the oscillations. Dissipation of energy in nonviscous compressible and viscous incompressible media is then investigated, and corresponding equations of motion of the drop obtained together with the expressions for energy dissipation. The influence of the compressibility factor on the oscillations is negligible. The critical drop radius, below which the motion is not periodic, is $r_{cr} = (n-1)(2n+1)^2 \nu^2 \rho / n(n+2)T$, where T

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Card 1/2

Oscillations of a viscous ...

P/033/62/014/003/010/011
D237/D308

is the surface energy. Oscillation spectra are plotted for the drop of kerosene in the turbulent air flow through a pipe. There are 3 figures.

J

Card 2/2

P/532/61/000/015/003/003
D237/D308

AUTHOR: Chomiak, Jerzy, Master of Engineering

TITLE: The accuracy of measurements of combustion processes in jet engines by means of a simplified combustion gas analysis

SOURCE: Warsaw. Instytut Lotnictwa. Prace, no. 15, 1961, 20-24

TEXT: The author uses theoretical relations to describe the combustion processes and, on the basis of the experimental data, checks the accuracy of simplified methods of analysis of combustion products. He finds that at least three components of combustion products should be determined. Below that number, measurements are satisfactory only over relatively narrow regions, and can be justified only when supplemented by a number of exact measurements. It is found that the determination of fuel vapors in combustion products gives rise to the longest error (indirect determination through the CO₂ total/actual ratio), hence its elimination, or an

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The accuracy of measurements ...

P/532/61/000/015/003/003
D237/D308

improvement of its accuracy, would diminish the total error considerably. There are 4 figures.

SUBMITTED: October, 1961

Card 2/2

CHOMIAK, Jerzy (Warszawa)

Oscillations of a viscous liquid drop of variable mass
and properties. Archiw bud masz 10 no.1:29-34 '63.

4

CHOMIAK, Tadeusz, mgr., inz.

Influence of the Roznow reservoir on the temperature of the Dunajec water in discharge from the reservoir. Gosp wodna 22 no.1:33 '62.

1. Zaklad Wod Stojacych Panstwowego Instytutu Hydrologiczno-Meteorologicznego.

CHOMIAK, Tadeusz, mgr inz.; MIKULSKI, Zdzislaw, mgr inz.

Accumulation of river debris in the Pilchowice Water Reservoir.
Gosp wodna 23 no.12:Suppl.:Biul panstw inst hydrol meteorol 6
no.12:477 D'63.

1. Zaklad Wod Stojacych, Panstwowy Instytut Hydrologiczno-
Meteorologiczny, Warszawa.

Chomiakow, A.

POLAND/Safety Engineering. Sanitary Engineering. Sanitation. L

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10746

Author : Chomiakow, A.

Inst : Not given

Title : The Utilization of CO₂ in the Control of Underground
Fires

Orig Pub: Przegl. pozrniczy, 1956, Vol 35, No 2, 11-14 (in Polish)

Abstract: A method for the control of underground fires by the use
of CO₂ is described together with firefighting equipment.
A list of the safety precautions to be followed during
firefighting is given.

Card 1/2

COUNTRY : Poland
CATEGORY : H-6
ABS. JOUR. : RZKhim., No. 16, 1959, No. 57571
AUTHOR : Fawlikowski, S., Chomiakow, A., Pollo, I., and *
INST. : Not given
TITLE : The Explosive Properties of AN-Lime Meal Mixtures

ORIG. PUB. : Przemysl Chem, 13, No 12, 697-699 (1957)

ABSTRACT : The authors have investigated the explosive properties of cast and mechanically mixed AN (I)-lime meal (II) mixtures. The NH_4NO_3 content of I was 99.9%. The II used contained 55.1% CaO. Grain fractions of 0.50-10.75 mm, 0.20-0.50 mm, and < 0.20 mm and II < 0.75 mm [omission?] were tested. The II content in the mixtures was varied from 0 to 40%. The blasting action (BA) of the mixtures was measured with a Tsybul'skiy pendulum, and a Kast [sic] drop test apparatus was

CARD: 1/2

*Okon, N.

CHOMIAKOW, Aleksander

Influence of high temperature and humidity on the organism
of rescuers. Wiadom gorn 11 no. 3:99-101 Mr '60.

PAWLIKOWSKI, Stefan, Prof.Dr.Ing., (Gliwice, ul.M. Strzody 19, Polska);
CHOMIAKOW, Anatol, Dipl.Ing. (Gliwice, ul. M. Strzody 19, Polska)

New type laboratory gas flowmeters (fleometers). In German. Acta
chimica Hung. 21 no.3:269-276 '59. (EEAI 9:5)

1. Polytechnical Institute, Gliwice, Poland.
(Gas flow) (Flowmeters)

PAWLIKOWSKI, Stefan; SZYMONIK, Stefan; CHOMIAKOW, Anatol

On the hygroscopically active surface of granulated chemical fertilizers. *Chemia stosow* 4 no.2:243-252 '60. (EEAI 10:3)

1. Katedra Technologii Wielkiego Przemyslu Nieorganicznego Politechniki Slaskiej w Gliwicach.
(Fertilizers and manures) (Chemicals)

CHOMIAKOW, A.

Report on exhibitions organized for rationalization and
employees' invention movements. Wiadom gorn 12 no.7/8:
249-250 J1-Ag '61.

CHOMIAKOW, Anatol, mgr inz.

Thirty-fourth International Congress of Industrial Chemistry.
Chemik 16 no.11:351-352 N '63.

1. Politechnika, Gliwice.

PAWLIKOWSKI, Stefan, prof. dr.inz.; ANIOL, Stanislaw, mgr inz.;
BISTRON, Stanislaw, dr. inz.; CHOMIAKOW, Stanislaw, mgr inz;
SZYMONIK Stefan, mgr inz.

Storing and transportation of neutral ammonium carbonate.
Chemik 16 no.7/8:187-189 J1-Ag '63.

1. Politechnika Slaska, Gliwice.

BLEJVAS, I.M.; LUKOSKOV, V.S.; MESTECKIN, Ja.I.; CHOMIC, V.B.; SEREL, L.A.;
SUBIN, L.V.

Solution of problems of electron optics and high-frequency
electronics by mathematical model methods. Cs cas fys 12
no.5/6:439-446 '62.

1. Vybor pro elektronovou techniku, Moskva.

CHOMICKI, Oskar; CZECH, Włodzimierz; GASIOROWSKI, Wiktor; GORSKI, Tadeusz;
HARTWIG, Walenty

Results of the 24-hour thyroid iodine uptake test (T-24) in normal subjects and in patients with thyroid diseases. Polski tygod. lek. 16 no.25:945-948 19 Je '61.

1. Z Ośrodka Radioizotopowego Studium Doskonalenia Lekarzy w A.M. w Warszawie; kierownik: prof. dr med. Walenty Hartwig.

(THYROID GLAND metab) (IODINE metab)

GOROWSKI, Tadeusz; CHOMICKI, Oskar; GASIOROWSKI, Wiktor

Clinical significance of thyroid scintigraphy in the light of our observations. *Polskie arch. med. wewn.* 31 no.11:1481-1488 '61.

1. Z Ośrodka Radioizotopowego Studium Doskonalenia Lekarzy AM w Warszawie Kierownik: prof. dr med. W. Hartwig.
(THYROID GLAND radiog) (RADIOAUTOGRAPHY)

SZYMAŃSKI, Jan; CHOMICKI, Oskar

Functional conditions of the thyroid in Meniere's disease according to clinical and isotope studies. Otolaryng. Pol. 16 no.1:83-86 '62.

1. Z Kliniki Laryngologicznej AM w Warszawie Kierownik: prof. dr. J. Szymanski i Ośrodka Radioizotopowego SDL AM Kierownik: prof. W. Hartwig.

(THYROID GLAND physiol) (MENIERE'S DISEASE physiol)
(IODINE radioactive)

GOROWSKI, Tadeusz; CHOMICKI, Oskar; ZALUSKA, Jozef

Detection of latent intrathoracic goiters by the scintigraphic method. Polskie arch. med. wewn. 32 no.4:303-314 '62.

1. Z Osrodka Radioizotopowege Studium Doskonalenia Lekarzy AM w Warszawie Kierownik: prof. dr med. W.Hartwig i z Pracowni Rentgenodiagnostycznej Miejskiego Szpitala Bielanskiego Kierownik: dr med. J.Bowkiewicz.

(GOITER diag) (RADIOAUTOGRAPHY)

CHOMICKI, Oskar; GOROWSKI, Tadeusz

Theoretical principles and clinical significance of thyroid scintigraphy. Pol. tyg. lek. 17 no.8:308-311 19 F '62.

1. Z Osrodka Radioizotopowego Studium Doskonalenia Lekarzy AM w Warszawie;
kierownik: prof. dr med. W. Hartwig.

(THYROID GLAND physiol) (IODINE radioactive)

GASIOROWSKI, Wiktor; ARASZKIEWICZ, Zuzanna; CHOMICKI, Oskar; CZECH,
Włodzimierz

Secondary thyroid insufficiency determined by the isotope method.
Pol. tyg. lek. 17 no.2:51-53 8 Ja '62.

1. Z I Zakładu Chorob Wewnętrznych i Ośrodka Izotopowego SDL i
Oddziału Chorob Wewnętrznych Instytutu Gruzlicy w Warszawie; kierownik:
prof. dr Walenty Hartwig.
(HYPOTHYROIDISM diag) (PITUITARY GLAND dis)
(IODINE radioactive)

GORSKI, Tadeusz; CHOMICKI, Oskar

Diagnosis of neutral "warm" thyroid nodes independent from thyrotropic hormone. Pol. tyg. lek. 17 no.28:1115-1116 9 JI '62.

1. Z Ośrodka Radioizotopowego Studium Doskonalenia Lekarzy AM w Warszawie; kierownik: prof. dr W. Hartwig.
(RADIOMETRY) (GOITER)

GASIOROWSKI, Wiktor; GOROWSKI, Tadeusz; CHOMICKI, Oskar; CZECH, Włodzimierz

Radioactive iodine in the diagnosis of thyroid diseases. Pol. arch.
med. wewn. 32 no.9:1129-1139 '62.

1. Z Ośrodka Radioizotopowego Studium Doskonalenia Lekarzy Akademii
Medycznej w Warszawie Kierownik: prof. dr med. W. Hartwig.
(THYROID FUNCTION TEST) (IODINE ISOTOPES DIAGNOSTIC)

POLAND

CHOMICKI, Oskar, GOROWSKI, Tadeusz, and ZELENY, Tadeusz;
Department of Isotopes (Zaklad Izotopow), First Chair of Internal Diseases (I Katedra Chorob Wewnetrznych), Physicians' Postgraduate Training Program (Studium Doskonalenia Lekarzy), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. W. HARTWIG) and Department (Zaklad) XIII, Institute of Nuclear Research (Instytut Badan Jadrowych) (Director: Magister, Inzynier, R. PLEJEWSKI)

"Production of I^{132} and Its Use in 3-Hour Thyroid Uptake Test."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 34, 19 Aug 63, pp 1249-1251

Abstract: [Authors' English summary modified] Authors describe the method for obtaining I^{132} from Te^{132} and report their study on its effectiveness in testing thyroid uptake in normal individuals and patients suffering from various thyroid diseases. They report their findings in 3 figures and 3 tables and conclude that the 3-hour I^{132} uptake test is most reliable, and its diagnostic value equal, or better than the $T_{24} I^{131}$ test. 2 Polish and 5 Western references.
1/1

CHOMICKI, Oskar; GOROWSKI, Tadeusz; ZELENAY, Tadeusz

Preparation of iodine-132 and its attempted use for the 3-hour thyroid iodine uptake test. Pol. tyg. lek. 18 no.34:1249-1251 19 Ag 1963.

1. Z Zakladu Izotopow I Katedry Chorob Wewnetrznych Studium Doskonalenia Lekarzy AM w Warszawie; kierownik: prof. dr W. Hartwig oraz z XIII Zakladu Instytutu Badan Jadrowych; kierownik: mgr inz. R. Plejewski.

(IODINE ISOTOPES, DIAGNOSTIC)
(THYROID FUNCTION TESTS)

GWIAZDOWSKI, Bohdan, CHOMICKI, Oskar; GWIAZDOWSKA, Barbara; SIWICKI, Henryk.

Standardization of the measurement of the thyroid uptake of iodine-131. Nowotwory 13 no.4:373-376 O-D*63.

1. Z Zakładu Fizyki Instytutu Onkologii im. Marii Skłodowskiej-Curie w Warszawie (kierownik: mgr. inż. J. Malesa) i z Zakładu Izotopów SDL w Warszawie (kierownik: prof. dr. med. W. Hartwig)

*

CHOMICZ, A.

The District Committee of Village Cooperatives at Wolsztyn does not care for supplies, p. 7. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 3, Jan. 1955.)

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

CHOMICZ, A.

Second place in the voivodeship, .p.4. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 9, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. ⁶4, ^uJan. 1955, Uncl.

CHONICE, A.

10 years' work of the village cooperative at Wolsztyn. p. 7.
ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 28, July 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

CHOMICZ, A.

The Trzciel Township Cooperative asks for more independence,

P. 5. (Rolnik Spolodzielca. Vol. 9, (i.e.10) no. 7, Feb. 1957, Warsaw, Poland)

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

CHOMICZ, Fiwa

General anesthesia with Inactin and Trapanal in gynecological and obstetrical interventions of short duration. (Preliminary communication)
Ginek. Pol. 33 no.2:201-208 '62.

1. Z II Kliniki Położnictwa i Chorob Kobietych AM w Gdansk Dyrektor
Kliniki: doc. dr med. W. Gromadzki.

(BARBITURATES anesth & analg)
(GYNECOLOGY anesth & analg)
(ANESTHESIA OBSTETRICAL)

Chomicz H. The Snow Cover and Water Management in Poland.

„Pokrywa śnieżna a gospodarka wodną w Polsce”. Gospodarka Wodna. No. 2, 1953, pp. 52-57, 5 figs, 1 tab.

Detailed review of statistical data affecting the water level in the river Vistula, the depth of the snow cover and the intensity of melting in particular months. Close correlation between the intensity of melting of the snow cover and the level of waters. Analysis of the intensity of evaporation, precipitation rate and water level in the river Vistula in particular months. Correlation between the precipitation rate and the water level. It has been ascertained that one-third of the water outflow from the river Vistula is comprised of spring flood waters. It has, moreover, been found essential to base the water management in Poland on flood waters as a decisive quantitative factor and one which can readily be anticipated.

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PTA CHORTIC, K.

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Chorticz K. Transient and Daily Rainfall Maximums in Poland.

„O najwyższych opadach krótkotrwałych i dobowych w Polsce
Gospodarka Wodna, No. 1, 1951, pp. 10—17, 1 fig.

A number of hydrotechnical problems, such as determination of clearance under bridges and in sluices, designing of protective dykes, construction of dams and storage reservoirs, require accurate data as to maximum rainfall rates anticipated in any locality over a definite period. Observations as to the duration and extent of rainfall. Table of rainfall standards for torrential rain, number of observation posts. Heaviest torrential rainfalls in Poland between 1858 and 1941. Maximum rainfall rates to be expected for definite rainy periods.

Meteorological Abst.
Vol. 4 No. 2
Feb. 1953
Aqueous Vapor and
Hydrometeors

4.2-204
Chomicz, Kazimierz. W sprawie jednolitej skali dla klasyfikacji deszczów o dużym natężeniu. [On a uniform scale for classification of heavy rains.] *Przegląd Meteorologiczny i Hydrologiczny*, Warsaw, v. 1950-1951:42-56, 1951. 5 figs., table, eqs. English summary p. 56. DWB—A new uniform scale for showers and heavy rains is introduced. The starting point is the prerequisite that maximum rainfall recorded anywhere in the world should be distributed along the curve of the scale. The formulas and tables determining the connection between the amount of rainfall and its duration have a local character although they have a similar course everywhere. *Subject Headings:* 1. Excessive rainfall 2. Maximum rainfall 3. Rainfall depth duration studies.—A.M.P.

351.577.37

CHOMICZ, Kazimierz

CHOMICZ, Kazimierz: "Ulew^y i deszcze nawalne w Polsce" (Heavy Rainfall and Cloudbursts in Poland). Poland Państwowy Instytut Hydrologiczno-Meteorologiczny, Wiadomości Służby Hydrologicznej i Meteorologicznej, 26(3): 178-260, 1951.

it is shown that the effect of continuity (the term was divided into 3 modified...

CHOPKOZ, K.

"Connection Between Snow Cover and the Water Supply in Poland." p. 52 (GOSPODARKA
WODNA, Vol. 13, No. 2, Feb. 1953) Warszawa

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

CHOMIEZ, K.

"Application of Studies on Snow Blankets to Hydraulic Engineering."
p. 108, (GOSPODARKA WODNA, Vol. 13, No. 3, Mar. 1953. Warszawa, Poland.)

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

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CHONICZ, K.

Scheme of a new calendar. In English.

P. 135 (ACTA GEOPHYSICA POLONICA) Poland, Vol. 5, No. 2, 1957.

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957.

Chomicz, K.

The course and results of a visit to China and Vietnam, September 20-December 8, 1956; on the Warsaw-Moscow-Peking road. p.12

(Gazeta Obserwators. P.I.H.M. Vol. 10, no. 4, April 1957. Warszawa, Poland)

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

CHOMICZ, K.

The course and results of a visit to China and Vietnam; Peiping. p. 12.
(Gazeta Obserwatora. P.I.H.M., Vol. 10, No. 5, May 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

Chomicz, K.

The course and results of a visit to China and Vietman; Peking. Pt.2. p.9
(Gazeta Obserwatora. P.I.H.M. Vol. 10, no. 6, June 1957. Warszawa, Poland)

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

Chomicz, K.

Zdzislaw Swirski; an obituary. p.3.

(Gazeta Obserwators. P.I.H.M. Vol. 10, no. 6, June 1957. Warszawa, Poland)

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

CHOMICZ, K.

CHOMICZ, K.

The course and results of a visit to China and Vietnam. Pt. 4. On the way to Hanoi.

P. 6 (Gazeta Obserwatora) Vol. 10, No. 7, July 1957, Warszawa, Poland

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SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. VOL. 7, NO. 1, JAN. 1958

CHOMICZ, K.

CHOMICZ, K.

The course and results of a visit to China and Vietsam. Pt. 5. The expedition to Shapa and the stay in the jungle. (To be contd.)

P. 8 (Gazeta Obserwatora) Vol. 10, no. 8, ~~1956~~ 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. VOL. 7, NO. 1, JAN. 1958

~~CHOMICZ, K.~~

"The course and results of a visit to China and Vietnam. Pt. 5. Expedition to Chapa and our stay in the jungle."

p. 11 (Gazeta Obserwatora. P.I.H.M.) Vol. 10, no. 10, Oct. 1957
Warsaw, Poland

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

CHOMICZ, K.

"The course and results of a visit to China and Vietnam. Pt. 6. Leaving Kienan and going toward the South China Sea."

p. 7 (Gazeta Obserwatora, P.I.H.M.) Vol. 10, no. 11, Nov. 1957
Warsaw, Poland

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

CHOJCZ, K.

The precipitation in Zakopane. p. 207.

GEOGRAFIA W SZKOLE. (Ministerstwo Oswiaty. Polskie Towarzystwo Geograficzne)
Warszawa. Poland. Vol. 12, no. 2, Mar./Apr. 1959.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 7, ^{July} 1959.

Uncl.

CHOMICZ, K.

3d Congress of the World Meteorological Organization. p.11.

GAZETA OBSERWATORA. P.I.H.M. Warszawa, Poland. Vol. 12, no. 7, July 1959.

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

P/027/60/000/01/09/013

AUTHOR: Chomicz, K.,

TITLE: Third Conference of the Polish-Czechoslovak Commission for Permanent Collaboration in Meteorological and Climatological Matters of the Tatra Region

PERIODICAL: Przegląd Geofizyczny (d.Przegląd Meteorologiczny i Hydrologiczny) 1960, No. 1, pp 82 - 84

TEXT: This article contains the report of the III Conference of the Polish-Czechoslovak Commission for permanent collaboration in meteorological and climatological matters of the Tatra Region, held in Zakopane from June 8-12, 1959. The conference was organized by the Polskie Towarzystwo Meteorologiczne i Hydrologiczne (Polish Meteorological and Hydrological Society). Representatives of the Komitet Geofizyczny PAN (Geophysical Committee of the Polish Academy of Sciences), the Panstwowy Instytut Hydrologiczno-Meteorologiczny (State Hydrological and Meteorological Institute) and the Polish Meteorological and Hydrological Society took part in the Conference from the Polish side. The Czechoslovak side was represented by members of the Slovak Academy of

Card 1/2

P/027/60/000/01/09/013

Third Conference of the Polish-Czechoslovak Commission for Permanent Collaboration in Meteorological and Climatological Matters of the Tatra Region

Sciences, the Meteorological and Climatological Laboratory of the University imeni Komenski in Bratislava and the Hydrological and Meteorological Institutes in Prague and Bratislava. The conference was opened by Professor Doctor J. Lambor. It was presided by Professor M. Konček. After several papers had been read (among others by Docent K. Chomicz, Professor M. Konček, Docent Orlicz and Doctor Otruba) and discussed, the conference passed a resolution concerning the program for the nearest future. It was agreed to hold the next conference in Bratislava in November 1959. ✓

Card 2/2

CHOMICZ, Kazimierz, dr., docens; PECZELY, Gyorgy [translator]

Snow and avalanche research in the Tatra Mountains. Idojaras
66 no.3:138-146 My Ja '62.

1. Lengyel Hidrologiai es Meteorologiai Szolgalat munkatarsa,
Warsaw.

CHOMICZ, K.

Second International Conference on the Meteorology of the Carpathian Mountains. Przegl geofiz 7 no.3:206-208 '62.

CHOMICZ, Kazimierz

Influence of local conditions on the course of meteorological elements. Przegl. geofiz. 8 no.1/2:11-19'63.

1. Polski Instytut Hydrologiczno-Meteorologiczny, Warszawa.

CHOMICZAWSKI, Jan

Investigations on directed variability of *Proteus hauseri*; effect of extracts and autolysates produced from *Proteus X₁₉* and from serologically heterogeneous strains of the species. *Med. dosw. midrob.* 6 no.4:409-418 1954.

1. Z Zakładu Bakteriologii Akademii Medycznej w Łodzi. Kierownik: prof. dr Zygmunt Szymanowski.

(*PROTEUS*,

hauseri, directed variability by *Proteus X₁₉* & *Proteus hauseri* heterogeneous strains extracts & autolysates)

CHOMICZEWSKI, Jan; UBYSZ-JERZMANOWSKA, Krystyna

Induced variability of *Aerobacter aerogenes* and *escherichia coli*.
Med. dosw. mikrob. 8 no.1:11-15 1956.

1. Z Zakładu Bakteriologii A. M. w Łodzi. Kierownik: prof. dr.
Z. Szymanowski.

(AEROBACTER AEROGENES,
variability, induced. (Pol))
(ESCHERICHIA COLI,
same. (Pol))

CHOMICZEWSKI, J.

~~CHOMICZEWSKI, Jan; FRANCIKOWSKA, Alicja; KULARSKA, Irena; LEWICKA, Jolanta;
LUFT, Anna; NOWAK, Krystyna; STETKIEWICZ, Stanislaw; ZURKOWSKI, Jan~~

Characteristics of *Corynebacterium diphtheriae* strains from endemic focus in Lodz in 1955 & 1956. *Przegl. epidem.*, Warsz 11 no.4:371-383 1957.

1. Ze stacji Sanatarno-Epidemiologicznej M. Lodzi (Dyrektor: dr J. Zansk) przy wspoludziale: Laboratorium Szpitala Zakaznego im. S. Bieganskiego i Laboratorium Szpitala Dzieciecego im. J. Korczaka.

(*CORYNEBACTERIUM DIPHTHERIAE*
characteristics of Polish strains (Pol))

Poland/Microbiology. General Microbiology

F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57453

Author : Jan Chomiczewski, Krystina Ubysz-Jerzmanowska
Inst : Not given
Title : Further Investigation of Induced Variability of
Proteus Hauseri (Filtrating Forms, L Forms, and
Attempts of their Transformation)

Orig Pub : Med. doswiad. i mikrobiol., 1957, 9, No 1,
101-106

Abstract : The results of experiments which were carried
out to determine the effect of penicillin on
the variability of Proteus hauseri are described.
Strains which differed from the original and
possessing a sharply marked polymorphism were
obtained. In prolonged passages in a medium with-
out penicillin no reversion to the initial form
was noted. Streptomycin was not active in this
respect. Five illustrations.

Card 1/1

POLAND / Microbiology. Human and Animal Pathogens. F
Corynebacteria.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5622.

Author : Chomiczewski, J.; Francikowska, A.; Kularska,
I.; Lowicka, J.; Luft, A.; Nowak, K.; Stotkiw-
icz, S.; Zurkowski, J.

Inst : Not given.

Title : Characteristics of Corynebacterium Diphtheriae
Strains Isolated During the 1955-6 Endemic in
the City of Lodz.

Orig Pub: Przegl. epidemiol., 1957, 11, No 4, 371-383.

Abstract: The properties of 276 diphtheria strains iso-
lated from 260 patients in the city of Lodz,
which the author considers an endemic center
of diphtheria, were studied. Of all strains,
53.4% were of the gravis type; 26.2% were of

Card 1/3

58

POLAND / Microbiology. Human and Animal Pathogens. F
Corynebacteria.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5622.

Abstract: the "incomplete" gravis type, differing from the
classic (gravid McLeod) type in certain respects;
1.9% belonged to the mitis type; and 1.2% to the
intermedius type; in 17.3% of strains, the type
was not established. The Zurkowski study of
1936 showed considerable predominance of the
mitis type. Of 169 strains isolated from pati-
ents in 1952, Swinarska found 63.5% gravis type;
10.5% "incomplete" gravis type; 10.7% mitis type.
Comparing the evolution and distribution of diph-
theria pathogens observed in Lodz with the prop-
osed McLeod scheme of a 25-year cycle (mitis-
intermedius-gravis-gravid-mitis), the auth-
ors consider that the maximum prevalence of the
gravis type in the Lodz area has passed; the

Card 2/3

CHOMICZEWSKI, Jan

Studies on combined effect of phage B and of certain antibiotics on the processes of toxinogenic variability of *Corynebacterium diphtheriae*.
Med. dosw. mikrob. 10 no.3:297-307 1958.

1. Z Zakladu Bakteriologii A. M. w Lodzi.

(ANTIBIOTICS, effects,

on *Corynebacterium diphtheriae* toxin prod. (Pol))

(BACTERIOPHAGE,

B, eff. on *Corynebacterium diphtheriae* toxin prod. (Pol))

(*CORYNEBACTERIUM DIPHTHERIAE*,

toxin prod., eff. of antibiotics & phage B (Pol))

..CHOMICZEWSKI.. J.

Odon Bujwid. 30.XI.1857 — 26.XII. 1942. Acta Microb.polon. 9:
9-32 1959.

1. Z Zakładu Bakteriologii Akademii Medycznej w Łodzi.
(BIOGRAPHIES)

CHOMICZEWSKI, Jan

Biochemical types of *Salmonella typhi* and their relation to the lysotype. *Med.dosw.mikrob.* 12 no.3:189-194 '60.

1. Z Regionalnego Ośrodka Typowania Bakteriologicznego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Łodzi
Direktor Stacji:
dr J. Żanski

(*SALMONELLA TYPHOSA* chem)

CHOMICZEWSKI, Jan

Observations on the dynamics of bacteriophage-types of *Salmonella typhi* in an endemic environment. Med.dosw.mikrob. 12 no.3:195-203 '60.

1. Z Regionalnego Ośrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarnej i Epidemiologicznej m. Łodzi Dyrektor Stacji: dr J.Zanski
(SALMONELLA TYPHOSA)
(BACTERIOPHAGE)

CHOMICZEWSKI, Jan

New VI bacteriophage and its application in supplementary lysotyping of the type Fl of Salmonella typhi. Med.dosw.mikrob. 12 no.3:205-207 '60.

1. Z Regionalnego Ośrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej w Łodzi Dyrektor Stacji: dr J.Zanski
(SALMONELLA TYPHOSA)
(BACTERIOPHAGE)

CHOMICZEWSKI, J.

The influence of the antibiotics on the factors determining phage-type specificity in *Salmonella typhosa*. *Bul Ac Pol biol* 8 no.7: 311-315 '60. (EEAI 10:4)

1. Regional Center of Phage Typing, Public Health Laboratory, Lodz.
Presented by E. Mikulaszek.

(ANTIBIOTICS)
(BACTERIOPHAGE)
(SALMONELLA TYPHOSA)

CHOMICZEWSKI, Jan

Studies on phage and biochemical typing of *Salmonella typhi*. I. Variability of phage types in endemic environments. *Med.dosw.mikrob.* 13 no.3:217-228 '61.

1. Z Regionalnego Ośrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Łodzi.

(SALMONELLA TYPHOSA) (BACTERIOPHAGE)

CHOMICZEWSKI, Jan

Studies on phage and biochemical typing of *Salmonella typhi*. II. Induced variability of phage types. *Med.dosw.mikrob.* 13 no.3:229-239 '61.

1. Z Regionalnego Ośrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Łodzi.

(SALMONELLA TYPHOSA) (BACTERIOPHAGE)

CHOMICZEWSKI, Jan

Studies on phage and biochemical typing of *Salmonella typhi*. III.
Induced variability of biochemical types. *Med.dosw.mikrob.* 13 no.4:
323-336 '61.

1. Z Regionalnego Ośrodka Typowania Bakteriofagowego Enterobacteriaceae
Stacji Sanitarno-Epidemiologicznej m. Łodzi.

(SALMONELLA TYPHOSA)

CHOMICZEWSKI, J.

POLAND

CHOMICZEWSKI, Jan and CHROMINSKA, Hanna, Clinic of Infectious Diseases (Klinika Chorob Zakaznych), AM [Akademia Medyczna, Medical Academy] in Lodz (Director: Prof. Dr. J. CHRZANOWSKI) and the Sanitary and Epidemiological Station (Sanitarne-Epidemiologiczna Stacja) in Lodz (Director: Dr. J. ZDANSKI)

"Phage-Type Salmonella Typhi and Clinical Picture of Typhoid Fever."

Warsaw, Przegląd Epidemiologiczny, Vol 16, No 3, 62, pp 273-280.

Abstract: [Authors' English summary modified] The course and clinical symptoms of 200 cases of typhoid fever caused by different phage types of S. typhi were studied. Despite prevailing opinions, some statistically significant though not conclusive differences were demonstrated, particularly for types C1 and the D group, and the possibility of the existence of distinct pathogenic properties is discussed. Study will be pursued. Of the 46 references, about 15 are Polish, and the remainder predominantly English.

1/1

CHOMICZEWSKI, Jan, doc. dr.; MIHGALIK, Halina

Lysogenic conversion of the O1 antigen of the *Salmonella*
gallinarum-pullorum serotype. Med. dosw. mikrobiol. 16 no.4:
269-273 '64

1. Z Zakładu Mikrobiologii Lekarskiej Wojskowej Akademii
Medycznej w Łodzi (Kierownik: doc. dr. J. Chomiczewski).

CHOMICZ, Witold, prof.

On work for the Polish book. Poligrafika 13 no.8:1-2 Ag '61.

1. Zespólowa Katedra Grafiki Ksiazki i Zaklad Grafiki
Uzytkowej Akademii Sztuk Pieknych, Krakow.

Chomin Z.

S

661.728.011.4 : 661.728.6 : 677.463
 3723
 Chomin Z. Evaluation of Sulphite Paper Pulp of the Spruce - Viscose
 Variety on the Basis of Swelling of their Fibres under the Action of Phos-
 phoric Acid. MT

„Ocena siarczynowych mas celulozowych świerkowych wiskozowych
 na podstawie form pęcznienia włókna celulozowego pod działaniem kwa-
 su fosforowego”. Przegląd Papierniczy. No. 2, 1955, p. 54-56.

At the Cellulose and Paper Institute, investigations were carried out
 to determine whether the K. Hede method, consisting in an observation
 of swelling of sulphite paper pulps in a 75% and 85% phosphoric acid.

is suitable for an evaluation of the quality and usefulness of this pulp
 for production of artificial fibres. It was established that this method is
 not suitable for analytical purposes, since the results are not repeatable
 and are subject to individual errors. These errors arise from difficulties
 in differentiating between different kinds of swelling which determine
 the mean evaluation, allowing optional and individual evaluation of the
 results.

MT
 17

OTOMIN; ZENON ---

Evaluation of spruce sulfite pulps for viscose by causing fibers to swell with phosphoric acid. Zenon Clouhin. *Papier- und Pabriktech.* 9, 54-6 (1953).—The Hüttenkathod (Rohr-Clouhin, *Forsch. u. Tech. Tech.* 3, 463 (1952)) was used in evaluating the quality of various grades of sulfite pulps and found unsatisfactory because of poor reproducibility and inaccuracy in detg. under the microscope the degree of swelling of H_3PO_4 -treated fibers. T. R. Ziegen

CHCIEN, Z.

"Evaluating Sulfite Spruce Wood Pulp for Viscosity on the Basis of the Swelling of Cellulose Fibers Treated with Phosphoric Acid", p. 54, (PRZEGLAD PAPIERNICZY, Vol. 11, No. 2, Feb. 1955, Loda, Poland)

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

CHOMIN ZENON

V Determination of lead in paper. Zenon Chomin. *Prze-
glad Papiernicy* 11, 126-8(1955). The quant. colori-
metric method of detg. the amt. of Pb in paper with a soln.
of dithizone in CCl₄ was evaluated with the Helmer tubes (I)
and the photocolormeter "Visomat KWT" (II). Although
both methods are fairly accurate in detg. Pb in amts. less
than 20 mg./kg. of paper, II is preferred for being faster and
requiring less CCl₄ than I. T. R. Zegree

Chomin, ^{Z.} Stasinski

POLAND/Chemical Technology. Chemical Products and their Applications. Cellulose and Cellulose Products. Paper K-5

Abs Jour: Ref Zhur-Khimiya, 1958, No 1, 3293

Author : Chomin, ^{Z.} Stasinski
Inst :

Title : The Use of Reed Pulp in the Production of Printing Paper and Stationery

Orig Pub: Przegł. papiern, 1957, 13, No 4, 102-108.

Abstract: Experiments on the use of pulp from the reed Phragmites communis in the production of grade V printing paper and stationery (60% cellulose and 40% wood pulp) are described. Adding 10% of reed pulp into the paper pulp will improve the structural properties of the paper but impair its mechanical properties (in particular it will decrease the

Card : 1/2

POLAND/Chemical Technology. Chemical Products and their
Applications. Cellulose and Cellulose Products.
Paper.

K-5

Abs Jour: Chomin, Stasinski

number of double bands. Adding 20% of reed pulp into the
paper pulp will hamper the technological process, namely,
the sticking of fibers to the wet presses will be observed.

Card : 2/2

CHOMIN, Zenon, mgr inż.

Studies on obtaining fibrous sulfate pulp masses from
prehydrolyzed beechwood. Pt. 1. Przegl papier 19
no.1:4-10 Ja '63.

1. Instytut Celulozowo-Papierniczy, Lodz.

PUSTEINIK, Czeslaw; CHOMIN, Zenon; STUPINSKA, Halina

Beechwood as raw material for Polish cellulose and paper industry. Przegl papier 19 no.12: 386-390 D'63.

1. Instytut Celulozowo-Papierniczy, Lodz.

CHOMINSKI L.

Od czego zalezy pogoda i jak ja przewidzied (On what depends the weather and how to make a weather forecast.) By L. Chominski. Reported in New Books (Nowe Ksiazki.) February 15, 1956. No. 4.

CHOMISZCZAK, Stefan; KASPRZYK, Elzbieta; CZYZEWICZ, Jerzy

Transparent vulcanizers and cellular rubbers from butyl. Polimery
tworz wielk 7 no.10:376-378 0 '62.

1. Instytut Przemyslu Gumowego, Warszawa.

CHOMIUK, T.; MACISZEWSKA-SZOPLIK, M.; ORUCHOWSKA, L.

Research on processing municipal refuse into fertilizer. p. 214

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland.
Vol. 33, no. 5, May 1959

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

CHODURA, W.

²¹ / Diffusion coefficient of Cs¹³⁷ in NaCl monocrystal, deter-
 mined by the integral method of longitudinal sections. W.
 Chomka (Politech., Gdańsk, Poland). *Nukleonika* 5, 173-
 80 (1950). — By using the method of Kuczyński (*J. Appl.*
Phys. 19, 308 (1948)), a value of 1.75×10^{-11} sq. cm./sec.
 was found at $700 \pm 5^\circ$. J. Stecki

4
BW(SW)

P/046/60/005/010/003/009
D246/D302


AUTHORS: Chomka, Władysław and Andruszkiewicz, Józef

TITLE: Diffusion of tin, zinc and cobalt in single crystals and polycrystals of tin

PERIODICAL: Nukleonika, v. 5, no. 10, 1960, 611-615

TEXT: The present work is a continuation of previous investigations of diffusion of tin and indium conducted by other workers. A single crystal of tin, obtained by the Bridgman method [Abstractor's note: Method not described] in the form of a rod, was cut in discs (diameter 13 mm, thickness 5 mm). Thin layers (in the order of 1 micron) of radioactive tin, zinc and cobalt were deposited respectively by electrode position on these discs. The radio isotopes used were ^{123}Sn , ^{65}Zn and ^{60}Co . The diffusion experiments were conducted in sealed, evacuated glass capsules placed in a resistance furnace whose temperature was controlled to $\pm 3^\circ\text{C}$. The coefficient of diffusion D in the direction of 45° to the major axis of the crystal was measured by removing a thin layer

Card 1/3



Diffusion of tin...

P/048/60/005/010/003/009
D246/D302

from the sample and determining the β activity of the sample by the integral remainder method. The activity was measured by the window counter G-M. The successive layers (thickness 7-20 μ) were removed by precision lathes to an accuracy of $\pm 1\mu$. The graph of the logarithm of the intensity of radiation of the removed layers against the square of the depth gave a straight line with the slope α . The diffusion coefficient D was calculated from $D = l^2/4t\alpha$, where t is the time of heating the sample in hours. D for polycrystals of tin was determined in the same manner. Results are given in tabulated form. D was found to be dependent on the diffusion temperature, and the relationship can be expressed as $D = D_0 \exp^{-Q/RT}$ where Q is the activation energy for a given process. Both D_0 and Q can be found from the graph of $\ln D$ against $1/T$ where T is the temperature in degrees absolute. An examination of polished sections of polycrystals of tin shows that the grain size increases with the rise in heating temperature (i.e., the boundary area between grains decreases). The diffusion coefficient is different along these boundaries from that in the body of the grain. The measured D, for polycrystals of tin, is,

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Card 2/3

Diffusion of tin...

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D246/D302

therefore, the effective coefficient to which both modes of diffusion contribute. The comparison of D for a single crystal with that for polycrystals shows that the difference between them decreases with rise in the diffusion temperature. This is closely related to the increase in grain size of the polycrystals since at higher temperature the contribution of the diffusion in the body of the grain to the total diffusion is high. The results obtained were in good agreement with the work of others in this field. The discrepancies were caused by diffusion being anisotropic. There are 4 figures, 2 tables and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the English language publications read as follows: P. J. Fensham: Austral. J. Sci. Res. 3, 91 (1950); A. Sawatzky: J. Appl. Phys. 29, 1303 (1958).

ASSOCIATION: Politechnika Gdańska, Gdańsk, katedra fizyki II (The Gdańsk Polytechnic, Department of Physics II)

SUBMITTED: July, 1960

Card 3/3

CHOMKA, Wladyslaw

Measurement of the diffusion coefficient of caesium in monocrystal of NaCl with the integral method of longitudinal section. Nukleonika 5 no.4:173-180 '60.

1. Politechnika Gdanska, Gdansk, Katedra Fizyki II

CHOMKA, Wladyslaw; ANDRUSZKIEWICZ, Jozef

Diffusion of tin, zinc and cobalt in mono- and polycrystals
of tin. Nukleonika 5 no.10:611-615 '60.

1. Politechnika Gdanska, Gdansk, Datedra Fizyki II

24.7500

S/058/62/000/009/033/069
A006/A101

AUTHORS: Chomka, Wł., Andruszkiewicz, J.

TITLE: Tin, zinc and cobalt diffusion in single and polycrystals of tin

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 54, abstract 9E381
("Pierwsze krajowe sympoz. zastosowań izotopów techn., Rogów,
8 - 12 czer., 1960", Warszawa, 1961, no. 7, Polish; summaries in
Russian and English)

TEXT: The method of "integral residue" with the aid of Sn¹¹⁵, Zn⁶⁵ and Co⁶⁰ radioactive isotopes was used to measure diffusion coefficients of Sn, Zn and Co in single and polycrystals of Sn in a 140 - 217°C temperature range. The temperature dependence of the diffusion coefficient was obtained for single-crystal specimens.

[Abstracter's note: Complete translation]

Card 1/1

CHOMKA, Wladyslaw

Diffusion of cadmium in magnesium-cadmium alloy of a composition close to that of MgCd alloy. Nukleonika 7 no.2:75-79 '62.

1. Katedra Fizyki (II), Politechnika, Gdansk

1 33991-65 EWP(m)/EPR/EWP(z)/EWP(b)/EWP(t) Pad/Ps-l IUP(c) JD/HW

olov'yeva, N. A.; Chomova, N.

Iron-base alloy., Class 18, No. 170541

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 31

TOPIC TAGS: iron base alloy, nickel containing alloy, chromium con-
taining alloy, manganese containing alloy, aluminum containing alloy,
cobalt containing alloy

ABSTRACT: This Author Certificate introduces an iron-base alloy which
can be used for making elastic, sensitive elements. To reduce the
temperature coefficient of the elasticity modulus within the temper-

5-25% Co.

Card 1/2

L 53991-65

ACCESSION NR: AP5015244

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy
11 m. Sardina (Central Scientific Research Institute of

SUBMITTED: 15Feb64

ENCL:

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4021

Card 2/2