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### KSIĄŻKI, MONOGRAFIE i ARTYKUŁY PRZEGLĄDOWE BOOKS, MONOGRAPHS & REVIEWS

1. **B. STALIŃSKI**,  
**Magnetyczne własności cząsteczek.** [Magnetic Properties of Molecules.]  
In: *Chemia Fizyczna [Physical Chemistry]*, 4th ed., ed. by \*\*\* (Warszawa: PWN 1980) Ch. \*\*, pp. 400–24 [in Polish].
2. **B. STALIŃSKI**,  
**Magnetyczne własności ciał stałych.** [Magnetic Properties of Solids.]  
In: *Chemia Fizyczna [Physical Chemistry]*, 4th ed., ed. by \*\*\* (Warszawa: PWN 1980) Ch. \*\*, pp. 533–55 [in Polish].
3. **W. TRZEBIATOWSKI**,  
**Actinide Elements and Compounds.** (Magnetic Properties).  
In: *Ferromagnetic Materials. A Handbook on the Properties of Magnetically Ordered Substances, Vol. 1*, ed. by E.P.Wohlfarth (Amsterdam: North-Holland 1980) Ch. 5, pp. 415–49.

### ARTYKUŁY W CZASOPISMACH NAUKOWYCH ARTICLES IN SCIENTIFIC JOURNALS

4. R.Allmann, R.Hohlfeld, **A. WAŚKOWSKA**, J.Lorberth,  
**Die Molekül- und Kristallstruktur von Trimethylzinnazid ( $Me_3$ )SnN<sub>3</sub>.**  
[The Molecular and Crystal Structure of Trimethyltinazide,  $Me_3SnN_3$ .]  
*J. Organomet. Chem.* **192**<sub>3</sub> (1980) 353–8 [in German]. [\[DOI\]](#)
5. R.Allmann, **S. OLEJNIK**, **A. WAŚKOWSKA**,  
**Vergleich der Strukturen von Trimethylzinnazid und dem gemischten Trimethylzinnazid-Hydroxid.** [Comparison of the Structures of Trimethyltinazide and the Mixed Trimethyltinazide-Hydroxide.]  
*Z. Krist.* **154**\* (1980) 10–\* [in German].
6. M.Ausloos, **K. DURCZEWSKI**,  
**Critical Behavior of the Electrical Resistivity in Magnetic Systems: Comments and Theory.**  
*Phys. Rev. B* **22**<sub>5</sub> (1980) 2439–44. [\[DOI\]](#)
7. **K. BARTKOWSKI**, A.Gladun, C.Gladun, **J. RAFAŁOWICZ**, H.Vinzelberg,  
**Thermal Conductivity Anisotropy of Tin Mono-crystals in the Temperature Range 0.1 to 7 K.**  
*phys. stat. sol. (a)* **62**<sub>1</sub> (1980) 207–11. [\[DOI\]](#)
8. **L. BIEGAŁA**, A.E.Borovik,  
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*J. Magn. Magn. Mater.* **21**<sub>3</sub> (1980) 269–74. [\[DOI\]](#)
9. A.Blaise, R.Lagnier, **R. TROĆ**, **Z. HENKIE**, **P.J. MARKOWSKI**, M.J.Mortimer,  
**The Heat Capacities of U<sub>3</sub>As<sub>4</sub> and Th<sub>3</sub>As<sub>4</sub>.**  
*J. Low Temp. Phys.* **39**<sub>3/4</sub> (1980) 315–28. [\[DOI\]](#)

10. A.Blaise, R.Lagnier, **A. WOJAKOWSKI**, **A. ZYGMUNT**, M.J.Mortimer,  
**Low Temperature Specific Heats of Some Uranium Ternary Compounds  $UAsY$  ( $Y = S, Se, Te$ ).**  
*J. Low Temp. Phys.* **41**<sub>1/2</sub> (1980) 61–72. [\[DOI\]](#)
11. A.Blaise, **R. TROĆ**, R.Lagnier, M.J.Mortimer,  
**The Heat Capacity of Uranium Monoarsenide.**  
*J. Low Temp. Phys.* **38**<sub>1/2</sub> (1980) 79–92. [\[DOI\]](#)
12. **M. CISZEK**, **G. KOZŁOWSKI**, **P. TEKIEL**, E.A.Gijsbertse, L.J.M. van de Klundert,  
**AC Losses Minimum in Type II Superconductors.**  
*Phys. Lett. A* **77**<sub>4</sub> (1980) 271–3. [\[DOI\]](#)
13. Z.Czapla, T.lis, L.Sobczyk, **A. WAŚKOWSKA**, J.Mróz, R.Poprawski,  
**Ferroelectric Properties of Rubidium and Ammonium Hydrogen Selenates.**  
*Ferroelectrics* **26**<sub>1–4</sub> (1980) 771–4. [\[DOI\]](#)  
*4th Eur.Meet.on Ferroelectricity*, PORTOROZ, YU, 1979.09 03–07
14. **J.Z. DAMM**, **J. STEPIEŃ-DAMM**,  
**Effect of  $\gamma$ -Irradiation on the Lattice Parameter and Color Center Concentration in Pure and  $Ca^{2+}$ -,  $Sr^{2+}$ - and  $Eu^{2+}$ -Doped KCl Crystals.**  
*Krist. Technik* **15**<sub>10</sub> (1980) 1167–72. [\[DOI\]](#)
15. **H. DRULIS**, **K.P. HOFFMANN**, **B. STALIŃSKI**,  
**Magnetic and ESR Studies of  $Er^{3+}$  in Lanthanum Dihydride  $LaH_2$  .**  
*Solid State Commun.* **36**<sub>11</sub> (1980) 973–5. [\[DOI\]](#)
16. **M. DRYŚ**,  
**Phase Equilibria in the Niobium–Gallium–Manganese System at  $900^\circ C$ .**  
*J. Less-Comm. Met.* **75**<sub>2</sub> (1980) 261–5. [\[DOI\]](#)
17. **M. DRYŚ**, **R. KUBIAK**,  
**On the Oxygen-Stabilized  $NbGa_2$  Compound  $NbGa_2O_x$  .**  
*J. Less-Comm. Met.* **71**<sub>2</sub> (1980) 323–5. [\[DOI\]](#)
18. **K. DURCZEWSKI**, M.Ausloos,  
**Anisotropic (Band and Spin-Fluctuations) Effects on the Electrical Resistivity of Uniaxial Ferromagnetic Metals Near  $T_c$  .**  
*J. Magn. Magn. Mater.* **15-18** (1980) 927–8 [pt II]. [\[DOI\]](#)  
*Int.Conf.on Magnetism (ICM '79)* MUNICH, DE, 1979.09 03–07
19. P.Erdős, G.Solt, **Z. ŻOŁNIEREK**, A.Blaise, J.P.Fournier,  
**Magnetic Susceptibility and the Phase Transitions of  $NpO_2$  .**  
*Physica B+C* **102**<sub>1–3</sub> (1980) 164–70. [\[DOI\]](#)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
- J.C.Fuggle, M.Campana, **Z.Żolnierek**, R.Lässer, A.Plateau,  
**Observation of a Relationship between Core-Level Line Shapes in Photoelectron Spectroscopy and the Localization of Screening Orbitals.**  
*Phys. Rev. Lett.* **45**<sub>19</sub> (1980) 1597–600. [\[DOI\]](#)
20. И.А.Гарифуллин, **H. DRULIS**, Н.М.Сулейманов,  
**Исследование диаграммы состояний, электронных свойств и косвенного обменного взаимодействия в системе  $Pd(Gd)H_x$  методом ЕПР. [EPR-Investigation of Phase Diagram, Electron Properties and Indirect Exchange Interaction in  $Pd(Gd)H_x$  .]**  
*Ж. Эксп. Теор. Физ.* **78**<sub>1</sub> (1980) 189–97 [in Russian]. Engl.in: *Sov.Phys.-JETP* **51**<sub>1</sub> (1980) 1\*\*-\*\*.

21. T.Głowiak, W.Sawka-Dobrowolska, **B. JEŻOWSKA-TRZEBIATOWSKA**, **A. ANTONÓW**,  
**X-ray Studies of Cobaltate Aminomethylphosphonic Acid Polymeric Complex.**  
*Inorg. Chim. Acta* **45** (1980) L105–6. [\[DOI\]](#)
22. T.Głowiak, W.Sawka-Dobrowolska, **B. JEŻOWSKA-TRZEBIATOWSKA**, **A. ANTONÓW**,  
**Crystal and Molecular Structure of bis(Aminomethylphosphonate)Copper(II).**  
*J. Cryst. Mol. Struct.* **10**<sub>1/2</sub> (1980) 1–10. [\[DOI\]](#)
23. **P. GODOWSKI**, J.Kołaczkiewicz, S.Mróż, W.Wiejak,  
**Studies of the Appearance of Sulphur on Nickel Surface During Heating of the Sample  
in Ultra-High Vacuum.**  
*Acta Univ.Wratisl.* Nr 561 [*Math.Phys.Astr.* Nr 37] (1980) 15–24.  
*4th Semin.on Surface Physics*, KARPACZ, PL, 1979.0\* \*\*\_\*\*
24. **S. GOŁĄB**, **B. MAKIEJ**,  
**Magnetization Change Induced in a Type II Superconducting Cylinder by Current Near  $H_{c2}$ .**  
*Acta Phys. Pol. A* **57**<sub>4</sub> (1980) 633–5.
25. P.Grau, **M. CZAPELSKI**, G.Berg, G.Klahre, **M. SUSZYŃSKA**,  
**Critical Flow Stress of Air Grown NaCl:Ca Crystals Annealed between 200 and 300 °C.**  
*phys. stat. sol. (a)* **61**<sub>1</sub> (1980) 189–94. [\[DOI\]](#)
26. R.Göring, B.Schnabel, **O.J. ŻOGAŁ**,  
**<sup>1</sup>H-NMR Evidence for Two-Phase Behavior in LaH<sub>2.69</sub>.**  
*phys. stat. sol. (a)* **59**<sub>2</sub> (1980) K147–9. [\[DOI\]](#)
27. **J. HANUZA**, V.V.Fomitsev,  
**Polarized IR and RAMAN Spectra of KDy(MoO<sub>4</sub>)<sub>2</sub> Single Crystals, and the <sup>92</sup>Mo – <sup>100</sup>Mo  
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*J. Mol. Struct.* **66** (1980.09) 1–24. [\[DOI\]](#)
28. **J. HANUZA**, **B. JEŻOWSKA-TRZEBIATOWSKA**, A.Müller,  
**Vibrational Spectra of the Triclinic K<sub>3</sub>ReO<sub>2</sub>(CN)<sub>4</sub> Single Crystal.**  
*J. Mol. Struct.* **69** (1980.12) 17–32. [\[DOI\]](#)
29. **Z. HENKIE**,  
**Ferromagnetic Anisotropy of the Electrical Resistivity in Cubic Uranium Phosphide  
and Arsenide with Th<sub>3</sub>P<sub>4</sub> Structure.**  
*Physica B+C* **102**<sub>1–3</sub> (1980.10) 329–31. [\[DOI\]](#)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
30. **Z. HENKIE**,  
**Effect of Pressure on the Electrical Resistivity and CURIE Temperature of U<sub>3</sub>P<sub>4</sub>.**  
*phys. stat. sol. (a)* **58**<sub>2</sub> (1980) K219–22. [\[DOI\]](#)
31. **R. HORYŃ**, **R. ANDRUSZKIEWICZ**,  
**Phase Equilibria in the Niobium-Rich Corner of the Niobium–Platinum–Oxygen System  
at 1373 K.**  
*J. Less-Comm. Met.* **69**<sub>2</sub> (1980) 327–30. [\[DOI\]](#)
32. **R. HORYŃ**, **R. ANDRUSZKIEWICZ**,  
**Crystal Structure of the R(NbPtO) Phase.**  
*J. Less-Comm. Met.* **71**<sub>1</sub> (1980) P9–12. [\[DOI\]](#)
33. **B. JEŻOWSKA-TRZEBIATOWSKA**, **Z. MAZURAK**, T.Lis,  
**Structure of Erbium Pentaphosphate.**  
*Acta Cryst. B* **36**<sub>7</sub> (1980) 1639–41. [\[DOI\]](#)

34. **B. JEŻOWSKA-TRZEBIATOWSKA, W. RYBA-ROMANOWSKI, Z. MAZURAK, J. HANUZA,**  
Investigations of the Vibronic Transitions in  $\text{Cs}_2\text{NaErCl}_6$  .  
*Chem. Phys.* **50**<sub>2</sub> (1980) 209–16. [\[DOI\]](#)
35. **J. KALECIŃSKI, G. CHLEBOSZ, J. NAWOJSKA, B. Ziegler,**  
**Radiation...**  
*ZfI-Mitteil.(Dresden)* Nr 33 (1980) 103–5.
36. **J. Kasperczyk, G. KOZŁOWSKI, H. ROMEJKO, P. TEKIEL,**  
**Domain Structure Parameters in a Uniaxial Ferromagnetic Superconductor.**  
*Acta Phys. Pol. A* **57**<sub>1</sub> (1980) 17–25.
37. **J. Kasperczyk, P. TEKIEL,**  
**Influence of Sample Thickness on Magnetic Domain Structure in Ferromagnetic Superconductor.**  
*Acta Phys. Pol. A* **57**<sub>1</sub> (1980) 11–6.
38. **L. KĘPIŃSKI, W. ROMANOWSKI,**  
**Evolution of Gold Dispersion in Discontinuous Films Evaporated in Vacuum on Amorphous Carbon and Silicon Monoxide.**  
*Acta Univ. Wratisl.* Nr 561 [*Math.Phys.Astr.* Nr 37] (1980) 40–5.  
4th Semin.on Surface Physics, KARPACZ, PL, 1979.0\* \*\*\_\*\*
39. **Z. KLETOWSKI, B. STALIŃSKI, J. MULAŁ,**  
**Crystal Field Effect in the Electrical Resistivity of  $\text{NdSn}_3$  .**  
*J. Magn. Magn. Mater.* **15-18** (1980.01-03) 53 [pt I]. [\[DOI\]](#)  
*Int.Conf.on Magnetism (ICM '79)* MUNICH, DE, 1979.09 03–07
40. **G. KOZŁOWSKI, T. KRZYSZTOŃ, P. TEKIEL,**  
**Lower Critical Field of Type-II Antiferromagnetic Superconductor.**  
*phys. stat. sol. (b)* **102**<sub>1</sub> (1980) K23–6. [\[DOI\]](#)
41. **G. KOZŁOWSKI, P. TEKIEL,**  
**Influence of Transport Current on Change of Order Parameter in Type-II Superconductors Near  $H_{c2}$  .**  
*phys. stat. sol. (b)* **98**<sub>2</sub> (1980) K163–7. [\[DOI\]](#)
42. **G. KOZŁOWSKI, P. TEKIEL, A.J. ZALESKI,**  
**Current Distribution in Type-II Superconductors with Normal Inclusions.**  
*phys. stat. sol. (a)* **59**<sub>1</sub> (1980) K75–7. [\[DOI\]](#)
43. **T. KRZYSZTOŃ,**  
**Isolated Vortex Line in an Antiferromagnetic Superconductor.**  
*J. Magn. Magn. Mater.* **15-18** (1980.01-03) 1572–4 [pt III]. [\[DOI\]](#)  
*Int.Conf.on Magnetism (ICM '79)* MUNICH, DE, 1979.09 03–07
44. **R. KUBIAK,**  
**Comment on the Decomposition of  $\beta\text{-In}_3\text{Sn}$ .**  
*J. Less-Comm. Met.* **70**<sub>2</sub> (1980) 277–9. [\[DOI\]](#)
45. **R. KUBIAK, K. Schubert,**  
**Über das Legierungssystem Au–In–Sb. [On the Au–In–Sb System.]**  
*Z. Metallk.* **71**<sub>10</sub> (1980) 635–7 [in German].
46. **R. Lagnier, A. WOJAKOWSKI, W. SUSKI, B. JANUS, M.J. Mortimer,**  
**The Low Temperature Specific Heat of Uranium Sesquisulphide.**  
*phys. stat. sol. (a)* **57**<sub>2</sub> (1980) K127–32. [\[DOI\]](#)

47. **L. LIPIŃSKI, H. MANUSZKIEWICZ, A. SZMYRKA,**  
**Kriogeniczny regulator temperatury sterowany cyfrowo.**  
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*Chłodnictwo* **15**<sub>3</sub> (1980) 18–20 [in Polish].
48. **E. MUGEŃSKI, J.Z. DAMM,**  
**Low-Temperature Optical Properties of Impurity Aggregates in Pb<sup>2+</sup>-Doped KCl Crystals.**  
*phys. stat. sol. (b)* **101**<sub>2</sub> (1980) 783–90. [\[DOI\]](#)
49. A.Murasik, P.Fischer, **Z. ŻOŁNIEREK,**  
**On Magnetic Properties of UPb<sub>3</sub> – A Neutron Diffraction Study.**  
*Physica B+C* **102**<sub>1–3</sub> (1980) 188–91. [\[DOI\]](#)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
50. A.Murasik, **Z. ŻOŁNIEREK,**  
**Crystal Field Effects in UPb<sub>3</sub>.**  
*Physica B+C* **98**<sub>4</sub> (1980) 306–10. [\[DOI\]](#)
51. L.Pawlak, M.Duczmal, S.Pokrzywnicki, **A. CZOPNIK,**  
**Magnetic Susceptibility and Crystal Field Parameters of Ytterbium Sesquiselenide.**  
*Solid State Commun.* **34**<sub>3</sub> (1980) 195–7. [\[DOI\]](#)
52. **Z. PAWŁOWSKA,**  
**Calculation of the Electron Momentum Distribution in Zinc in Connection with Positron Annihilation.**  
*phys. stat. sol. (b)* **97**<sub>1</sub> (1980) 197–202. [\[DOI\]](#)
53. **W. PRYSTASZ,**  
**The Influence of the Magnetic Field on the Thermodynamic Properties of a Two-Sublattice Antiferromagnet with Single-Ion Orthorhombic Anisotropy and Transversally Anisotropic Exchange Interaction.**  
*Acta Phys. Pol. A* **58**<sub>6</sub> (1980) 691–702.
54. **W. PRYSTASZ, G. KOZŁOWSKI,**  
**The Influence of a Homogeneous External Magnetic Field and Single-Ion Orthorhombic Anisotropy on the Stable Spin Configurations in the Two-Sublattice NÉEL-Type Antiferromagnet.**  
*Acta Phys. Pol. A* **57**<sub>2</sub> (1980) 205–22.
55. **P. PRZYŚLŪPSKI, R. HORYŃ, B. Greń,**  
**Critical Currents of Sputtered M<sub>x</sub>Pb<sub>1±x</sub>Mo<sub>6+y</sub>S<sub>8</sub>-Type.**  
*J. Low Temp. Phys.* **38**<sub>1/2</sub> (1980) 93–103. [\[DOI\]](#)
56. H.Ptasiewicz-Bąk, J.Leciejewicz, **A. ZYGMUNT,**  
**Magnetic Properties of URh<sub>2</sub>Si<sub>2</sub> and URh<sub>2</sub>Ge<sub>2</sub> by Neutron Diffraction.**  
*Physica B+C* **102**<sub>1–3</sub> (1980) 196–8. [\[DOI\]](#)  
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57. **J. RAFAŁOWICZ,**  
**Uwagi dotyczące transportu ciepła w komorach niskotemperaturowych.**  
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*Chłodnictwo* **15**<sub>4</sub> (1980) 27–8 [in Polish].
58. **J. RAFAŁOWICZ,**  
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 [Mechanisms of Low-Temperature Thermal Conductivity of Metals and Alloys. I.]  
*Chłodnictwo* **15**<sub>8</sub> (1980) 23–5 [in Polish].

59. **J. RAFAŁOWICZ**,  
**Mechanizmy przewodnictwa cieplnego metali i stopów w niskich temperaturach. 2.**  
 [Mechanisms of Low-Temperature Thermal Conductivity of Metals and Alloys. II.]  
*Chłodnictwo* **15**<sub>12</sub> (1980) 24–7 [in Polish].
60. G.Ritter, **J. SZNAJD**,  
**Existence of Continuous Phase Transitions in Anisotropic Ferromagnets with Field.**  
*Acta Phys. Pol. A* **57**<sub>6</sub> (1980) 819–31.
61. G.Ritter, **J. SZNAJD**,  
**Critical Points of Anisotropic Ferromagnets with [External] Field.**  
*Acta Phys. Pol. A* **58**<sub>3</sub> (1980) 283–96.
62. **W. ROMANOWSKI**,  
**Reduction and Dispersion of Nickel in Synthetic Zeolites A, X and Y.**  
*Pol. J. Chem.* **54**<sub>7/8</sub> (1980) 1515–26.
63. **W. ROMANOWSKI**,  
**Aktywność katalityczna dobrze zdefiniowanych powierzchni metali.**  
 [Catalytic Activity of Well-Defined Metal Surfaces.]  
*Wiadom. Chem.* **34**<sub>4</sub> (1980) 195–203 [in Polish].
64. **W. ROMANOWSKI, L. KĘPIŃSKI**,  
**Structure and Electrical Conduction of Discontinuous Gold Films Evaporated in Vacuum on Carbon and Silicon Monoxide Substrates.**  
*Thin Solid Films* **65**<sub>2</sub> (1980) 141–52. [\[DOI\]](#)
65. **W. RYBA-ROMANOWSKI, B. JEŻOWSKA-TRZEBIATOWSKA**,  
**Fluorescence and Lifetimes of Excited States of Pr<sup>3+</sup> in Phosphorus Oxychloride.**  
*Acta Phys. Pol. A* **57**<sub>4</sub> (1980) 557–63.
66. **W. RYBA-ROMANOWSKI, Z. MAZURAK, B. JEŻOWSKA-TRZEBIATOWSKA, D.Schultze, Ch.Waligora**,  
**Growth and Spectroscopic Properties of LiErP<sub>4</sub>O<sub>12</sub> Single Crystals.**  
*phys. stat. sol. (a)* **62**<sub>1</sub> (1980) 75–8. [\[DOI\]](#)
67. M.Šob, **E. BOROŃSKI, H. STACHOWIAK**,  
**A New Method of Solving the KAHANA Equation.**  
*Bull. Ac. Pol.: Phys. Astr.* **28**<sub>1</sub> (1980) 9–12.
68. **E. SOBULA**,  
**Dependence of Magnetic Susceptibility Tensor on External Magnetic Field in Ferromagnets with Axial Symmetry.**  
*Bull. Ac. Pol.: Phys. Astr.* **28**<sub>3/4</sub> (1980) 173–7.
69. **J. SOSNOWSKI**,  
**On Flux Trapping in Hard Superconductors.**  
*phys. stat. sol. (a)* **60**<sub>1</sub> (1980) K73–8. [\[DOI\]](#)
70. **J. SOSNOWSKI, M. DRYŚ, T.Mydlarz**,  
**The Influence of Magnetic Mn Impurities on the Superconducting Properties of A15-Type Nb<sub>78</sub>Ga<sub>22</sub> and Nb<sub>80</sub>Ga<sub>20</sub> Alloys.**  
*phys. stat. sol. (a)* **57**<sub>1</sub> (1980) 337–43. [\[DOI\]](#)
71. **J. SOSNOWSKI, M. DRYŚ, T.Mydlarz**,  
**The Influence of Co Impurities on Superconducting Properties of the Nb<sub>80</sub>Ga<sub>20</sub> Alloy with A15-Type Structure.**  
*phys. stat. sol. (a)* **62**<sub>2</sub> (1980) 413–18. [\[DOI\]](#)

72. **J. STEPIEŃ-DAMM**, M.Dubiel,  
Effect of  $\text{Eu}^{2+}$  Concentration on the Lattice Parameter and Density of KCl Crystals.  
*phys. stat. sol. (a)* **59**<sub>2</sub> (1980) 743–7. [DOI]
73. **J. STEPIEŃ-DAMM**, **K. ŁUKASZEWICZ**,  
Oriented Growth and Crystal Structure of Phases Precipitated in  $\text{Eu}^{2+}$ -Doped NaCl Single Crystals.  
*Acta Cryst. A* **36**<sub>1</sub> (1980) 54–7. [DOI]
74. **J. STEPIEŃ-DAMM**, **K. ŁUKASZEWICZ**,  
Effect of Some  $\text{Me}^{2+}$  Impurity Ions on the Lattice Parameter of KCl Crystals.  
*Krist. Technik* **15**<sub>10</sub> (1980) 1173–7. [DOI]
75. **W. STRĘK**, **G. DOMINIĄK-DZIK**, **B. JEŻOWSKA-TRZEBIATOWSKA**,  
The Influence of the Halide Anions on Intensity Enhancement of Europium(III) Ion in Solution.  
*J. Mol. Struct.* **61** (1980.01) 105–10. [DOI]  
14th Eur. Congr. on Molecular Spectroscopy, FRANKFURT a.M., DE, 1979.09 07–09
76. **C. SUŁKOWSKI**,  
Critical Magnetic Fields in Superconducting Lead Alloys.  
*phys. stat. sol. (a)* **58**<sub>2</sub> (1980) K189–92. [DOI]
77. **W. SUSKI**,  
Zjawisko mieszanej wartościowości w związkach pierwiastków f-elektronowych.  
[The Mixed Valence Phenomenon in f-Electron Element Compounds.]  
*Wiadom. Chem.* **34**<sub>7</sub> (1980) 435–49 [in Polish].
78. **W. SUSKI**, **B. JANUS**,  
The Structure and Magnetic Properties of the Cubic and Orthorhombic  $\text{U}_2\text{Te}_{3-x}$  Systems.  
*Bull. Ac. Pol. Chim.* **28**<sub>3</sub> (1980) 199–207.
79. **M. SUSZYŃSKA**, R.Capelletti, **M. CZAPELSKI**, A.Gainotti,  
Mechanical and Electrical Properties of Europium-Doped KCl Single Crystals.  
*C. R. Acad. Bulg. Sci.* **33**<sub>\*</sub> (1980) \*\*\*–\*. Also in: *Sci. Repts. VIMMESS* **21** ser. 11 (1980) 141–56.  
*Int.Symp.on Ionic Crystals*, RUSSE, BG, 1979.09 25–30
80. **J. SZNAJD**,  
Change in the Nature of Phase Transition by Magnetic Field.  
*Bull. Ac. Pol. Phys. Astr.* **28**<sub>1</sub> (1980) 19–28.
81. **J. SZNAJD**,  
Influence of the Spatially Varying Field on the Phase Transitions in Anisotropic Ferromagnets.  
*J. Magn. Magn. Mater.* **15-18** (1980.01-03) 436–8 [pt I]. [DOI]  
*Int.Conf.on Magnetism (ICM'79)* MUNICH, DE, 1979.09 03–07
82. **R. TROĆ**,  
Magnetic Behaviour of the 5f–4f Cubic Systems.  
*Physica B+C* **102**<sub>1-3</sub> (1980.10) 233–6. [DOI]  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
83. **R. TROĆ**, J.Leciejewicz, G.H.Lander,  
The Magnetic Phase Diagram of the UP–USe System.  
*J. Magn. Magn. Mater.* **21**<sub>2</sub> (1980) 173–81. [DOI]
84. **R. TROĆ**, **R. NIEDZIELSKI**, J.Leciejewicz, A.Murasik,  
Magnetic Phase Diagrams of the US–LS Systems ( $L = \text{Pr, Nd}$ ).  
*J. Magn. Magn. Mater.* **15-18** (1980.01-03) 1251–2 [pt III]. [DOI]  
*Int.Conf.on Magnetism (ICM'79)* MUNICH, DE, 1979.09 03–07

85. **J. ULNER**,  
**Temperature and Magnetic Field Dependence of the Sound Velocity in Tetragonal Paramagnets.**  
*Acta Phys. Pol. A* **58**<sub>6</sub> (1980) 865–70.
86. **J. ULNER**, R. Straubel, **W.J. ZIĘTEK**,  
**Unidirectional Domain-Wall Propagation in Thin Film Strips with in-Plane Magnetization.**  
*J. Magn. Magn. Mater.* **15-18** (1980.01-03) 1531–2 [pt III]. [\[DOI\]](#)  
*Int. Conf. on Magnetism (ICM '79)* MUNICH, DE, 1979.09 03-07
87. Yu.T. Vassilev, M.K. Karamikhlova, M.S. Mladenova, **K.D. NIERZEWSKI**, M. Georgiev,  
**Room Temperature Investigations of the Photostimulated Post-Luminescence in KCl : Eu<sup>2+</sup>.**  
*C. R. Acad. Bulg. Sci.* **33**\* (1980) 607–10.  
*Int. Symp. on Ionic Crystals*, RUSSE, BG, 1979.09 25–30
88. **A. WAŚKOWSKA**, **S. OLEJNIK**, **K. ŁUKASZEWICZ**, Z. Czaplą,  
**Rubidium Hydrogen Selenate — Intermediate Phase.**  
*Cryst. Struct. Commun.* **9**<sub>7</sub> (1980) 661–9.
89. **D. WŁOSEWICZ**, **K. BARTKOWSKI**, **J. RAFAŁOWICZ**,  
**Dependence of LORENZ Number on Temperature for Brass Alloys.**  
*Acta Phys. Pol. A* **58**<sub>5</sub> (1980) 547–9.
90. **D. WŁOSEWICZ**, **K. BARTKOWSKI**, **J. RAFAŁOWICZ**,  
**The Principles of Corresponding States for the Thermal Conductivity Lattice Component of Brasses.**  
*Acta Phys. Pol. A* **58**<sub>5</sub> (1980) 551–2.
91. **D. WŁOSEWICZ**, **K. BARTKOWSKI**, **J. RAFAŁOWICZ**, **K. BALCEREK**, E. Leyarovski, L. Leyarovska,  
**Temperature Dependence Anomaly of the Thermal Conductivity of Brasses.**  
*Acta Phys. Pol. A* **58**<sub>5</sub> (1980) 543–6.
92. **D. WŁOSEWICZ**, **K. BARTKOWSKI**, **J. RAFAŁOWICZ**, E. Hegenbarth,  
**Lattice Thermal Conductivity Component of Brasses in the Temperature Range 4.2–30 K.**  
*Acta Phys. Pol. A* **57**<sub>6</sub> (1980) 849–57.
93. **D. WŁOSEWICZ**, **K. BARTKOWSKI**, **J. RAFAŁOWICZ**, E. Hegenbarth,  
**Lattice Thermal Conductivity Component of Brasses in the Temperature Range 30–300 K.**  
*Acta Phys. Pol. A* **57**<sub>6</sub> (1980) 859–64.
94. **M. WOŁCYRZ**, **A. PIETRASZKO**, **K. ŁUKASZEWICZ**,  
**The Application of Asymmetric BRAGG Reflections in the BOND Method of Measuring Lattice Parameters.**  
*J. Appl. Cryst.* **13**<sub>1</sub> (1980) 12–16. [\[DOI\]](#)
95. **W. ZACHARKO**, **R. KUBIAK**,  
**Anisotropy and Temperature Dependence of Lower and Upper Critical Field in Tetragonal Superconductor In<sub>3</sub>Sn.**  
*Acta Phys. Pol. A* **58**<sub>1</sub> (1980) 59–65.
96. **O.J. ŻOGAŁ**, **B. STALIŃSKI**,  
**Nuclear Magnetic Resonance Studies in Non-Magnetic Rare-Earth Hydrides.**  
*Tr. Jap. Inst. Metals* **21** Suppl. (1980) 77–80.  
*2nd Jap. Inst. of Metals Int. Symp. on Hydrogen in Metals*, TOKYO, JP, 1979.11 19–26



PUBLIKACJE W MATERIAŁACH KONFERENCYJNYCH  
PUBLICATIONS IN CONFERENCE MATERIALS

97. **Z. HENKIE,**

**Critical Behavior of Electrical Resistivity in Cubic Ferromagnets  $U_3P_4$  and  $U_3As_4$ .**

In: *10. Journées des Actinides*, ed. by B.Johansson & A.Rosengren (Stockholm: ? 1980) pp.22–36.  
*10èmes Journées des Actinides*, STOCKHOLM, SE, 1980.05 27–28

98. И.Н.Крупский, А.М.Толкачев, В.П.Азаренков, В.Г.Манжелей, **А. JEŻOWSKI,**  
Е.А.Кособуцкая,

**Исследование теплового розширения криоцисталлов типа  $H_2$ .** [Investigation of Thermal  
Expansion of Type- $N_2$  Cryocrystals.]

In: *Матер. XXI Всесоюзн.конф.по Физике Низких Температур [Proc. 21th All-Union Conf.on Low  
Temperature Physics]* ed. by \*\*\* (Khar'kov: F-TINT 1980) Vol. 4, pp.158–9 [in Russian].

*XXI Всесоюзн.конф.по физике Низких Температур [21th All-Union Conf.on Low Temperature Physics, NT-21]*  
KHAR'KOV, UA, SU, 1980.09 23–26

99. **J. MULAК,**

**Crystal Field Effects in Some Ionic Uranium Compounds.**

In: *Crystalline Electric Field and Structural Effects in f-Electron Systems*, ed. by J.E.Crow, R.P.Guertin  
& T.W.Mihalisin (New York: Plenum Press 1980) pp.289–94.

*Int.Conf.on Crystalline Electric Field and Structural Effects in f-Electron Systems*, PHILADELPHIA, PA, US,  
1979.11 12–15

100. **W. SUSKI, B. JANUS,**

**Is the Intermediate Valence State Possible in the Uranium Tellurides?**

In: *Crystalline Electric Field and Structural Effects in f-Electron Systems*, ed. by J.E.Crow, R.P.Guertin  
& T.W.Mihalisin (New York: Plenum Press 1980) pp.283–8.

*Int.Conf.on Crystalline Electric Field and Structural Effects in f-Electron Systems*, PHILADELPHIA, PA, US,  
1979.11 12–15

LISTA PREZENTACJI KONFERENCYJNYCH  
LIST OF CONFERENCE PRESENTATIONS

1. **L. BIEGAŁA**, A.E.Borovik,  
**Soliton-Like Interaction of Domain Walls in Ferromagnets.** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials*, JASZOWIEC, PL, 1980.04 12–20
2. **M. CISZEK**, **S. GOŁĄB**, **G. KOZŁOWSKI**, **P. TEKIEL**,  
**Influence of Surface Layer and Trapped Flux on Minimum AC Losses in Superconductors.** (C)  
*1980 Applied Superconductivity Conf.*, SANTA FÉ, NM, US, 1980.09 29 –.10 02
3. **M. CZAPELSKI**, **T. MORAWSKA-KOWAL**,  
**Distribution of  $\text{Eu}^{2+}$  in KCl Single Crystal.** (P)  
*6th Int.Summ.Sch.of Lattice Defects in Crystals*, KRYNICA, PL, 1980.05 28 –.06 10
4. **A. CZOPNIK**, **N. ILIEV**, **B. STALIŃSKI**,  
**Magnetic Phase Diagram of  $\text{DyIn}_3$ .** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials*, JASZOWIEC, PL, 1980.04 12–20
5. **J.Z. DAMM**,  
**Properties and Ionic Radii Relations in Alkali Halide Crystals.** (C)  
*6th Int.Summ.Sch.of Lattice Defects in Crystals*, KRYNICA, PL, 1980.05 28 –.06 10
6. **K. DURCZEWSKI**,  
**Anisotropic (Spin-Fluctuation and Electron Scattering) Effect on the Electrical Resistivity of Ferromagnetic Metals Near  $T_c$ .** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials*, JASZOWIEC, PL, 1980.04 12–20
7. **K. DURCZEWSKI**,  
**Opór elektryczny anizotropowych metali ferromagnetycznych w pobliżu  $T_C$ .** [Electrical Resistance of Anisotropic, Ferromagnetic Metals in the Vicinity of  $T_C$ .] (P)  
*III Symp. „Przejścia fazowe i zjawiska krytyczne” [3rd Symp.on Phase Transitions & Critical Phenomena]* PIECHOWICE, PL, 1980.04 30 –.05 04
8. P.Erdős, G.Solt, **Z. ŻOŁNIEREK**, A.Blaise, J.P.Fournier,  
**Magnetic Susceptibility and the Phase Transitions of  $\text{NpO}_2$ .** (C)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
9. **Z. HENKIE**,  
**Critical Behavior of Electrical Resistivity in Cubic Ferromagnets  $\text{U}_3\text{P}_4$  and  $\text{U}_3\text{As}_4$ .** (C)  
*10èmes Journées des Actinides*, STOCKHOLM, SE, 1980.05 27–28
10. **Z. HENKIE**,  
**Ferromagnetic Anisotropy of Electrical Resistivity in Cubic Uranium Phosphide and Arsenide with  $\text{Th}_3\text{F}_4$  Structure.** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials*, JASZOWIEC, PL, 1980.04 12–20
11. **Z. HENKIE**,  
**Ferromagnetic Anisotropy of the Electrical Resistivity in Cubic Uranium Phosphide and Arsenide with  $\text{Th}_3\text{P}_4$  Structure.** (C)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
12. **R. HORYŃ**,  
**Defects in A15-Type Superconducting Phases.** (C)  
*9th Int.Symp.on Reactivity of Solids*, CRACOW, PL, 1980.09 01–06

13. **B. JANUS, W. SUSKI,**  
**Кристаллическая структура и магнитные свойства монокристаллов  $UTe_3$ .** [Crystal Structure and Magnetic Properties of  $UTe_3$  Single Crystals.] (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials,* JASZOWIEC, PL, 1980.04 12–20
14. **J. KALECIŃSKI,**  
**Radicals Scavenging by Molybdates and Tungstates in Water–Formic Acid System.** (C)  
*17th Brdička Days on Radiation Chemistry,* JIČÍN, CS, 1980.12 08–13
15. J.Kasperczyk, **G. KOZŁOWSKI, P. TEKIEL,**  
**Magnetic Domain Structure in a Uniaxial Ferromagnetic Superconductor.** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials,* JASZOWIEC, PL, 1980.04 12–20
16. J.Kasperczyk, **G. KOZŁOWSKI, P. TEKIEL,**  
**Coexistence of Magnetic Domain Structure and Superconductivity.** (C)  
*Int.Conf.on Ternary Superconductors,* LAKE GENEVA, WI, US, 1980.09 24–26
17. **L. KĘPIŃSKI,**  
**Dispersion and dc Electrical Resistance of Discontinuous Silver Films Evaporated *in vacuo* onto Carbon and SiO Layers.** (C)  
*5th Semin.on Surface Physics,* KARPACZ, PL, 1980.05 \*\*–\*\*
18. **J. KLAMUT, R. ŁYZWA,**  
**Wpływ istnienia gazu zarodków na rozmiar krytyczny zarodka.** [Influence of the Existence of the Gas of Seeds on the Critical Dimension of a Seed.] (P)  
*III Symp. „Przejścia fazowe i zjawiska krytyczne” [3rd Symp.on Phase Transitions & Critical Phenomena]* PIECHOWICE, PL, 1980.04 30 –.05 04
19. **Z. KLETOWSKI, B. STALIŃSKI, M.Gliński, N. ILIEV,**  
**High-Field Magnetoresistivity of  $GdIn_3$  Single Crystal.** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials,* JASZOWIEC, PL, 1980.04 12–20
20. **G. KOZŁOWSKI, T. KRZYSZTOŃ, P. TEKIEL,**  
**Behavior of Antiferromagnetic Superconductor Near  $H_{c1}$ .** (P)  
*Int.Conf.on Ternary Superconductors,* LAKE GENEVA, WI, US, 1980.09 24–26
21. И.Н.Крупский, А.М.Толкачев, В.П.Азаренков, В.Г.Манжелий, **А. JEŻOWSKI,**  
 Е.А.Кособуцкая,  
**Исследование теплового розширения криокристаллов типа  $N_2$ .** [Investigation of Thermal Expansion of Type- $N_2$  Cryocrystals.] (C)  
*XXI Всесоюз.Совещ.по Физике Низких Температур [21st All-Union Conf.on Low Temperature Physics]* KHAR’KOV, UA, SU, 1980.09 23–26
22. **T. KRZYSZTOŃ, G. KOZŁOWSKI, P. TEKIEL,**  
**The Behavior of Antiferromagnetic Superconductor Near  $H_{c1}$ .** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials,* JASZOWIEC, PL, 1980.04 12–20
23. **T. KRZYSZTOŃ,**  
**Własności antyferromagnetycznego nadprzewodnika w pobliżu  $H_{c1}$ .** [Properties of a Ferromagnetic Superconductor in the Vicinity of  $H_{c1}$ .] (P)  
*III Symp. „Przejścia fazowe i zjawiska krytyczne” [3rd Symp.on Phase Transitions & Critical Phenomena]* PIECHOWICE, PL, 1980.04 30 –.05 04
24. **H.MISIOREK, T.ZAKRZEWSKI, J.RAFAŁOWICZ,**  
**Дальнейшие исследования влияния пластической деформации на теплопроводность алюминия в окрестности максимума.** [Further Investigation of the Influence of Plastic Deformation on Thermal Conductivity of Aluminium in the Region of the Maximum.] (C)  
*XXI Всесоюз.Совещ.по Физике Низких Температур [21st All-Union Conf.on Low Temperature Physics]* KHAR’KOV, UA, SU, 1980.09 23–26

25. A.Murasik, P.Fischer, **Z. ŻOŁNIEREK**,  
**On Magnetic Properties of UPb<sub>3</sub> – A Neutron Diffraction Study.** (C)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
26. **B. NOWAK**, **O.J. ŻOGAŁ**, M.Minier,  
**Relaksacja jądrowa <sup>1</sup>H i <sup>51</sup>V w VH<sub>2</sub>.** [Nuclear Relaxation of <sup>1</sup>H and <sup>51</sup>V in VH<sub>2</sub>.] (P)  
*XIII Og-pol.Semin.nt. MRJ i jego zastosowań [13th Polish Semin.on NMR and Its Applications]*  
 CRACOW, PL, 1980.1\* \*\*\_\*\*
27. **D. POTOCZNA-PETRU**,  
**Thermal Desorption of Nitrogen from Discontinuous Cobalt Films.** (C)  
*5th Symp.on Surface Physics*, KARPACZ, PL, 1980.05 \*\*\_\*\*
28. **P. PRZYŚLUPSKI**, B.Greń,  
**Critical Currents of the Sn<sub>1.2</sub>Mo<sub>6.4</sub>S<sub>8</sub> Sputtered Thin Films.** (C)  
*Int.Conf.on Ternary Superconductors*, LAKE GENEVA, WI, US, 1980.09 24–26
29. H.Ptasiewicz-Bąk, J.Leciejewicz, **A. ZYGMUNT**,  
**Magnetic Properties of URh<sub>2</sub>Si<sub>2</sub> and URh<sub>2</sub>Ge<sub>2</sub> by Neutron Diffraction.** (C)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
30. **J. RAFAŁOWICZ**,  
**Uwagi dotyczące transportu ciepła w komorach niskotemperaturowych.** [Remarks on the Heat Transport in Low Temperature Chambers.] (C)  
*XI Og.-pol.Semin. Kriogeniki [11th Polish Semin.on Cryogenics]* WROCŁAW, PL, 1980.09 09–11
31. A.J.Renouprez, B.Moraweck, B.Imelik, V.Perrichon, A.J.Dominguez, **J.M. JABŁOŃSKI**,  
**Neopentane Conversion on Pt–Ni/Al<sub>2</sub>O<sub>3</sub> Catalyst.** (C)  
*7th Int.Congr.on Catalysis*, TOKYO, JP, 1980.06 30 –.07 04
32. **W. ROMANOWSKI**,  
**Surface Diffusion of Metals on Nonmetallic Substrates in Vacuo and in the Presence of Active Gases.** (C)  
*1st Int.Conf.on Transport in Non-Stoichiometric Compounds*, CRACOW, PL, 1980.08 27–30
33. **J. SOSNOWSKI**, T.Mydlarz,  
**The Influence of “Magnetic” 3D Impurities on Superconducting Properties of Nb<sub>80</sub>Ga<sub>20</sub> Alloy.** (P)  
*Int.Conf.on the Physics of Transition Metals (PTM’80)* LEEDS, Engl., UK, 1980.08 18–22
34. **J. SZNAJD**, **R. TROĆ**,  
**Zmiana charakteru przejścia fazowego pod wpływem zewnętrznego pola magnetycznego.** [Change of Character of a Phase Transition under Influence of External Magnetic Field.] (P)  
*III Symp. „Przejścia fazowe i zjawiska krytyczne” [3rd Symp.on Phase Transitions & Critical Phenomena]* PIECHOWICE, PL, 1980.04 30 –.05 04
35. **R. TROĆ**,  
**Magnetic Behavior of the 5f–4f Cubic Systems.** (C)  
*Int.Conf.on the Physics of Actinides and Related 4f Materials*, ZÜRICH, CH, 1980.04 09–11
36. **R. TROĆ**,  
**Magnetyczne przejścia fazowe w mono związkach ceru i uranu.** [Magnetic Phase Transitions in Uranium and Cerium Mono-compounds.] (L)  
*III Symp. „Przejścia fazowe i zjawiska krytyczne” [3rd Symp.on Phase Transitions & Critical Phenomena]* PIECHOWICE, PL, 1980.04 30 –.05 04
37. **W. TRZEBIATOWSKI**, **Z. HENKIE**, **B. JANUS**, **P.J. MARKOWSKI**, **W. SUSKI**, **R. TROĆ**,  
**A. WOJAKOWSKI**, **A. ZYGMUNT**, **Z. ŻOŁNIEREK**,  
**Preparation of Uranium Compounds and Their Single Crystals.** (C)  
*9th Int.Symp.on Reactivity of Solids*, CRACOW, PL, 1980.09 01–06

38. **J. ULNER**,  
**Temperature and Magnetic Field Dependence of the Elastic Constants for Orthorhombic and Tetragonal Paramagnets.** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials*, JASZOWIEC, PL, 1980.04 12–20
39. **A. WOJAKOWSKI**,  
**Magneto-resistance of Ferromagnetic UAsS.** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials*, JASZOWIEC, PL, 1980.04 12–20
40. **M. WOŁCYRZ, K. ŁUKASZEWICZ**,  
**Application of Asymmetric BRAGG Reflections in the Investigation of the Near-Surface Single-Crystal Layers.** (C)  
*6th Int.Summ.Sch.of Lattice Defects in Crystals*, KRYNICA, PL, 1980.05 28 –.06 10
41. **A. ZYGMUNT**,  
**Some Chemical Aspects of Magnetic Orderings in Ternary Uranium Compounds.** (C)  
*Conf.of the CMEA Countr. on the Physics of Magnetic Materials*, JASZOWIEC, PL, 1980.04 12–20
42. **A. ZYGMUNT, H.Ptasiewicz-Bąk, J.Leciejewicz**,  
**Magnetyczne przejścia fazowe w  $UPd_2Si_2$  z dwoma parametrami porządku.** [Magnetic Phase Transitions in  $UPd_2Si_2$  with Two Order Parameters.] (P)  
*III Symp. „Przejścia fazowe i zjawiska krytyczne” [3rd Symp.on Phase Transitions & Critical Phenomena]* PIECHOWICE, PL, 1980.04 30 –.05 04
-