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REJESTR DOTYCZY:

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Indeks

INŻYNIEROWIE /górnicy/

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znak rozpoznawczy

Uwagi:

J. LEJA

Studies

1937-39	Metallurgy course at the University School of Mines and Metallurgy, Cracow, Poland (discontinued due to war). Akademia Górniczo-Hutnicza
1943-45	Metallurgy course at Royal School of Mines and in London University, England. (external student)
Jan. 1945	Degrees: A. R. S. M. and B. Sc. (Eng) (First class honours) London.
1945-47	Continuation of studies in metallurgical engineering for the requirements of Polish degree in Met. Eng. Thesis: Design of a wire-rolling mill, of 500 tons/day capacity.
Jan. 1947	Degree: Dipl. Ing. (Met. Eng.) (First class honours); granted by the Polish Board of Technical Studies, London, England. Rada Akademickich Studiów Technicznych
1952-54	Surface chemistry in the University of Cambridge, England. Thesis: Molecular interactions at interfaces, as applied to flotation phenomena.
Nov. 1954	Degree: Ph. D. (Cantab)

Practical Experience

1947-49	Research Metallurgist, Bessemer Laboratory, London. Investigation on floatability of Pb-V ores from South West Africa.
1949-52	Reduction Officer with South West Africa Co., Grootfontein, S. W. Africa, in charge of construction and running of a flot. plant for selective Pb-V concentration. Research on mineral dressing of other deposits owned by S. W. Africa Co., viz. Pb-Zn and W-Sn ores.
1954-57	Postdoctorate Research Fellow in surface chemistry in Department of Colloid Science, Cambridge University, England (theory of flotation, emulsification, paints, etc.)
1957 - to date	On the staff in the Department of Mining and Metallurgy, University of Alberta.

Publications of Dr. J. Leja

1. J. Leja and J. H. Schulman, "Flotation Theory - Molecular Interactions Between Frothers and Collectors at Sold/Air/Liquid Interfaces", Min. Eng. (1954), 6, 221-228.

2. J. H. Schulman and J. Leja, "Molecular Interactions at Solid-Liquid Interfaces", Koll. Ztsch. (1954), 136, 107-119.

3. J. H. Schulman and J. Leja, "Control of Contact Angles at the Oil-Water-Solid Interfaces. Emulsions Stablized by Solid Particles", Trans. Farad. Soc. (1954), 50, 598-605.

4. J. Leja, "Interactions at Interfaces in Relation to Froth Flotation", Proceedings of the Second International Congress of Surface Activity 1957, Vol. III, p. 273-296, publ. Butterworths Scientific Publ., London, England.

5. J. Leja and J. C. Nixon, "Ethylene Oxide and Propylene Oxide Compounds as Flotation Reagents", ibid. p. 297-307.

6. L. H. Little and J. Leja, "Infrared Spectra of Xanthate Compounds, I", ibid, p. 261-266.

7. J. Leja, "Mechanisms of Collector Adsorption and Dynamic Attachment of Particles to Air-Bubbles", Trans. IMM (1957), 66, 425-437.

8. J. H. Schulman and J. Leja, "Static and Dynamic Attachment of Air Bubbles to Solid Surfaces", contribution in the book "Surface Phenomena in Chemistry and Biology", Pergamon Press, 1958, 236-245

9. J. Leja and G. W. Poling, "On the Interpretation of Contact Angle, I", Deformation of Air/Liquid Interface and Tenacity of Bubble Adhesion" Proceedings of the International Mineral Processing Congress, Inst. Min. and Met., London, 1960.)

10. J. Leja and G. W. Poling, "On the Interpretation of Contact Angle II", Effect of Bubble Size and Threshold Hydrophobicity of Solids (ibid., London, 1960).

11. L. H. Little, G. W. Poling and J. Leja, "Infrared Spectra of Xanthate Compounds II", (~~submitted to~~ Can. J. of Chem. ~~in Oct. 1960~~) vol 39 (1961) 745-754

12. L. H. Little, G. W. Poling & J. Leja
Infared spectra of xanthate compounds III.
Can. J. Chem. (in press)