

- 21 H. Yokokawa and Y. Takahashi, *J. Chem. Thermodyn.*, 1979, 11, 411
- 22 W. B. Kendall, R. L. Orr and R. Hultgren, *J. Chem. Eng. Data*, 1962, 7, 516
- 23 A. C. Macleod, *J. Chem. Thermodyn.*, 1972, 4, 391
- 24 F. Righini and A. Rosso, *High Temp.-High Pressures*, 1980, 12, 335
- 25 C. G. Maier and K. K. Kelley, *J. Am. Chem. Soc.*, 1932, 54, 3243
- 26 C. C. Yeh and C. R. Brooks, *High Temp. Sci.*, 1973, 5, 403
- 27 M. J. Wheeler, *High Temp.-High Pressures*, 1972, 4, 363
- 28 O. Vollmer and R. Kohlhaas, *Z. Naturforsch.*, 1969, 24A, 1669
- 29 Ya. A. Kraftmakher and E. R. Lanina, *Fiz. Tverd. Tela*, 1965, 7, 123; (*Sov. Phys.-Solid State*, 1965, 7, 92)
- 30 Ya. A. Kraftmakher, *High Temp.-High Pressures*, 1973, 5, 433
- 31 A. H. Seville, *Phys. Stat. Sol. (a)*, 1974, 21, 649; *J. Chem. Thermodyn.*, 1975, 7, 383
- 32 V. E. Zinov'ev, I. G. Korshunov and P. V. Gel'd, *Fiz. Tverd. Tela*, 1971, 13, 3459; (*Sov. Phys.-Solid State*, 1972, 13, 2924)
- 33 W. P. White, *Phys. Rev.*, 1918, 12, 436
- 34 F. M. Jaeger and E. Rosenbohm, *Rec. Trav. Chim.*, 1928, 47, 513
- 35 F. M. Jaeger, E. Rosenbaum and J. A. Bottema, *Proc. Acad. Sci., Amsterdam*, 1932, 35, 763
- 36 A. K. Chaudhuri, D. W. Bonnell, L. A. Ford and J. L. Margrave, *High Temp. Sci.*, 1970, 2, 203
- 37 G. K. Gathers, J. W. Shaner and W. M. Hodgson, *High Temp.-High Pressures*, 1979, 11, 529
- 38 S. V. Lebedev, A. I. Savatimskii and Yu. B. Smirnov, *Teplofiz. Vys. Temp.*, 1971, 9, 635; (*High Temp.*, 1971, 9, 578)
- 39 J. Blaise, J. Vergès, J. F. Wyart and R. Engleman, *J. Phys. II*, 1992, 2, 947; *J. Res. Natl. Inst. Stand. Technol.*, 1992, 97, 213
- 40 H. G. Kolsky, R. M. Gilmer and P. W. Gilles, USAEC Report LA-2110, March, 1957
- 41 E. R. Cohen and B. N. Taylor, *CODATA Bull.*, 63, November, 1986
- 42 M. R. Moldover, J. P. M. Trusler, T. J. Edwards, J. B. Mehl and R. S. Davis, *J. Res. Natl. Bur. Stand.*, 1988, 93, 85
- 43 IUPAC Commission on Thermodynamics, *Pure Appl. Chem.*, 1982, 54, 1239
- 44 H. A. Jones, I. L. Langmuir and G. M. Mackay, *Phys. Rev.*, 1927, 30, 201
- 45 L. H. Dreger and J. L. Margrave, *J. Phys. Chem.*, 1960, 64, 1323
- 46 R. F. Hampson and R. F. Walker, *J. Res. Natl. Bur. Stand.*, 1961, 65A, 289
- 47 R. K. Koch, E. D. Calvert, C. R. Thomas and R. A. Beall, U.S. Bur. Mines Rept. Invest. 7271, July, 1969
- 48 E. R. Plante, A. B. Sessoms and K. R. Fitch, *J. Res. Natl. Bur. Stand.*, 1970, 74A, 647
- 49 M. Peleg and C. B. Alcock, *J. Sci. Instrum.*, 1966, 93, 558; *Bull. Soc. Fr. Ceram.*, 1966, (72)
- 50 J. H. Norman, H. G. Staley and W. E. Bell, *J. Phys. Chem.*, 1967, 71, 3686

Platinum 1994

Monday, 16th May 1994 saw the launch of "Platinum 1994", the latest in the series of prestigious reviews of the platinum market published annually by Johnson Matthey, which aims to complement the information presented in *Platinum Metals Review*.

"Platinum 1994" is based upon information gleaned from the platinum industry worldwide and provides details of commercial and investment aspects of the platinum group metals. It is beautifully illustrated and well supported by statistical data, summarising events that affected the supply, demand and usage of these metals in 1993. The outlook for 1994 and beyond is discussed.

Once again demands made mainly by the automobile and jewellery industries caused platinum sales to escalate to 4.04 million ounces during 1993. This is a 6 per cent

increase over 1992 figures, at an average London fixing price of \$374.06 per ounce. Supplies of platinum worldwide rose to 4.38 million ounces resulting in a surplus of 340,000 ounces, mainly due to increased production as additional South African mining capacity came on stream.

Dealing similarly with palladium and rhodium, and the other platinum group metals, "Platinum 1994" also includes surveys on mining and exploration, principally in South Africa, biomedical applications, a comprehensive analysis of the world platinum markets and predictions of increased demand for platinum in 1994.

Readers of *Platinum Metals Review* who do not receive a free copy of "Platinum 1994" and would like to do so, please write to Ms Alison Cowley, Johnson Matthey PLC, 78 Hatton Garden, London EC1N 8JP.