## ACCOUNTING FOR INTANGIBLE ASSETS A REVIEW OF PRACTICE IN THE UNITED KINGDOM

(A LONGITUDINAL APPROACH)

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"CORPORATE investment in intangibles, such as R&D, franchise and brand development and human capital enhancement, is growing at a substantially faster rate than tangible investment throughout all developed economies. They may be the primary contributor to the earnings' power of an enterprise. Intangible assets are present in every business enterprise, yet only tangible assets and intangible assets purchased in an acquisition appear on the company's balance sheet. The accounting treatment of intangible investments -- generally immediate expensing -- has an even greater impact on the income statement. This makes it practically impossible for investors and practitioners to:

- 1) Assess the rate of return (productivity) of investment in intangibles, and changes over time in the efficiency of the firm's investment activity.
- Evaluate shifts in the characteristics of intangible investments, such as from longterm (basic) research to short-term development, or from product development to "process (cost reducing) R&D.
- 3) Determine the value of the firm's intangible capital, and the expected lives (benefit duration) of such assets.

Thus, both internal and external performance evaluation and monitoring of investment in intangibles are hampered by the absence of adequate information. Because the valuation and disclosure issues related to intangibles are complex and little understood, accounting standard-setters around the world encounter great difficulties in attempting to improve disclosures about intangibles. Research and fact-finding on the various aspects of intangibles and intellectual capital is needed."

#### (www.stern.nyu.edu/ross/Projectlnt/i/about.html)

Abstract

This study was conducted to address changes in practice regarding accounting for intangibles between 1987 and 1996. This research adopts a longitudinal approach as to observe reporting of accounting for intangibles. We studied the companies who had reported intangibles other than goodwill on balance sheet.

Data was obtained from annual reports that are available in the Ward's Library Archive. Extel Financial Services and internet were used to collect certain information that was not available elsewhere. We separated findings in two groups to constitute the change of standards regarding intangibles, other than goodwill. The first group consisted of reports from 1987- 1990, and the second group for reports from 1991-1996. Before 1990, it was found that companies used various types of bases for valuation. Some companies complied with the standards but to a minimal level of compliance. Most companies failed to report and disclose information regarding intangibles as the standards required. These practise made comparability between companies in the same industry impossible.

Academics admitted that issues regarding intangible assets are complex and little understood. A group of accounting academics and business experts in the US is working together to crack this problem. They are developing a new way of measuring and reporting intangibles. Service sectors are now valuing their non tangible assets and present them in the financial reports.

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Title Page Acknowledgement Abstract

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Auditing Practice Committee	APC
Accounting Standards Committee	ASC
Accounting Standards Board	ASB
Carrying Value	c v
Exposure Draft	ED
Financial Reporting Exposure Draft	FRED
Financial Reporting Standard	FRS
Intellectual Capital	IC
Institute of Chartered Accountants in England and Wales	ICAEW
Institute of Chartered Accountants of Scotland	ICAS
London Business School	LBS
Net Realisable Value	NRV
Statement of Standards for Accounting Practice	SSAP

## Chapter 1

#### INTRODUCTION.

#### 1.1 Background.

Accounting is a medium that provides financial information to the interested parties regarding an economic entity, some of which tc be used to assist them in decision making. It is very difficult indeed to identify the users' needs. It is even more difficult to satisfy their needs. Foster, 1986 discussed in de tailed the users and their needs.

The Institute of Chartered Accountants of Scotland (1988) states that Directors are required to annually present a financial statement before the shareholders. Unfortunately, it points out that the process "has evolved slowly over a long time and invariably lagged behind the current needs of their users". The directors also highlight that their published reports have failed to present useful information to assist the users. They believe their reported assets are undervalued and simultaneously the company's value could have been understated.

Accounting for brand is an extension of goodwill accounting. The major reason for creating these types of assets is to avoid writing off goodwill immediately to the reserves. The treatment has a direct consequence of depleting shareholders' funds (Rutteman, 1989). The standards at that particular time require all goodwill to be written-off immediately to the reserves. Among the issues addressed are their

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#### **Bibliography**

- 1. Allan, D., "Creating Value- The Financial Management of Brands", The Chartered Institute of Management Accountants, 1990.
- Anderson, E. W., Fornell, C., and Lehmann, D.R., "Customer Satisfaction, Market Share and Profitability: Findings-from Sweden': Journal of Marketing, Vol 58, July, 53-66 (1994).
- 3. APC, (1986) Auditing Guideline, Reliance on Specialists, London, Auditing Practice Committee.
- 4. Arnold, T., and Skener, M., "Valuation of Brands: The RHM Approach ", The Accountants Megazine, p 43, March 1989.
- Arthur Andersen (1992) "The Valuation of Intangible Assets", The Economist Intelligence Unit: Special Report No P254.
- ASB (1996) FRED 12 "Goodwill and Intangible Assets", London, June 1996, ASC, Accounting Standard Committee.
- ASC (1984), SSAP 22 "Accountingfor Goodwill", London, ASC, Accounting Standards Committee.
- 8. ASC (1989) TR 738, "Accounting for Tangible Assets with Special reference to Brands", London: ASC, Accounting Standards Committee.
- 9. ASC (1990) Exposure Draft 42, "Accounting for Special Purpose transactions, Current Cost Accounting ", ASC, Accounting Standards Committee.
- ASC (1990) Exposure Draft 52, "Accounting for Intangible Fixed Assets", London: May, ASC, Accounting Standards Committee.
- ASC (1990) Exposure Draft 51, "Accounting for Fixed Assets and Revaluation", London: May, ASC, Accounting Standards Committee.

- 12. ASC (1990) Exposure Draft 49, "Reflecting the Substance of Transactions in Assets and Liabilities", London: May ASC, Accounting Standards Committee.
- ASC (1990) TR 780, "Accounting for Intangible Fixed Assets", ASC, Accounting Standards Committee.
- Bat-wise, P., Higson, C., and March, P., (1989) 'Accounting for Brands ", London Business School/Institute of Chartered Accountants of England and Wales.
- 15. Belkaoui, A.R., (1992) Accounting Theory, 3rd ed., Academic Press.
- Campbell, L.G., (1989) "Accounting for Brand ", Institute of Chartered Accountants of Scotland.
- Davies, M., Paterson, R., and Wilson, A., (1997) "Generally Accepted Accounting Principle in UK", 5th ed, London Macmillan,.
- Edrisson and Malone (1997), "Realizing Your Company's True Value by Findings its hidden Brainpower", Harperbusiness Publication.
- Elliot, B., and Elliot, J., (1996) "Financial Accounting and Reporting", 2nd ed., Prentice Hall.
- 20. Egginton, D.A., (1990) "Towards Some Principle for Intangible Assets Accounting", Accounting and Business Research, 20, 79, pp. 193-205.
- Foster, G., (1986) Financial Statement Analysis, 2nd dn, Englewood Cliffs, NJ: Prentice Hall.
- 22. Galliers, R.D., (1985), "In Search of a Paradigm for Information Systems Research ", in Mumford et al (1985).
- 23. Gill, J., and Johnson, P., (1991.) "Research Method for Managers", Paul Chapman Publishing.

- 24. Gregory, A., (1992) "Valuing Companies: Analysing Business Worth ", Woodhead-Faulkner, p. 105.
- 25. Guilding, C., and Pike, R., (1990) "Intangible Marketing Assets: A Managerial Accounting Perspective", Accounting and Business Research, 2 1,8 1, pp. 41-49.
- 26. Hendriksen, ES., Accounting Theory, 4th edition, Irwin, 1982.
- 27. Hines, R.H., (1988) "Financial Accounting in Communicating Reality, We Construct Reality", Accounting, Organisation and Society, Vol 13, no 3, pp. 25 1-261.
- 28. Institute of Chartered Accountants of Scotland (1988) Making Corporate Reports Valuable, Kogan Page.
- 29. Interbrand (1990) "Brand: An International Review", London, Mercury.
- 30. International Stock Exchange London (1989) "Note of Change in Practice Brand Values and other Intangible Assets I the Balance Sheet- Implication for Class Tests",:
   London :LSE
- 31. Lev, B., (1992) "Information Disclosure Strategy", California Management Review, Summer, pp. 9-32.
- 32. Mather, P.R., and Peasnell, K.V., (1991) "An Examination of the Economics Circumstances Surrounding Decisions to Capitalise Brands", British Journal of Management, 2: pp. 151-164.
- McSweeney, B., and Steele, A., "'Brand Valuation and Intangible Assets ", Ranks Hovis McDougall, Mimeo.
- 34. Meyer, J.W., and Rowan, B., (1992) "Institutional Organisations: Formal Structure as Myth and Ceremony ", in Meyer, J.W., and Scott, W.R., (eds.) Organisational Environments: Ritual and Rationality, New York, Sage Publications.

- Miller, D., and Friesen, D.H., (1982) The Longitudinal Analysis of Organisations, Management Science, Vol 28, No. 9, pp.1013-34.
- 36. Miller, M.C., and Islam, M.A., *The Definition and Recognition of Assets, Accounting Theory Monograph* 7, Australian Accounting Research Foundation, 1988.
- 37. Mitchell, A., (1988) "No Accountingfor Brand", Marketing, July 7, p. 25.
- 38. Mitchell, A., Puxty, A., Sikka, P., and Willmot, H., (1991) "Accounting for Change: Proposals for Reform of Audit and Accounting", Fabian Society, Discussion Paper No.
  7.
- Moorhouse, M., (1990) "The case for capitalising brands", in Power, M., (ed.), "Brand and Goodwill accounting Strategies", Cambridge: Woodhead-Foukner, London, pp. 32-40.
- 40. Nachmias, F.C., and Nachmias, D., *Research Methods in Social Sciences*, 5th eds, Arnold, 1997.
- 41. Napier, C., and Power, M., 'Professional Research, Lobbying and Intangibles: A Review Essay", Accounting and Business Research, Vol 23, No 89, pp. 85-95, 1992.
- 42. Naser, K.M.H., Creative Financial Accounting: Its Nature and Use, Prenice Hall, 1993.
- 43. Oliver, D., Marchand, D.A., and Roos, J., "Skandia Assurance and Financial Services"; IMD Case, GM 624, (27 April 1996).
- 44. Penrose, N., and Moorhouse, M., (1989) "The Valuation of Brands", Interbrand, 17, Feb 1989.
- 45. Perks, R.W., "Accounting and Society", Chapman Hall, 1993.
- 46. Pettigrew, A.M., (1985), "The Awakening Giant: Continuity and Change in ICI", Oxford, Blackwell.

- 47. Power, M., "Brand and Goodwill accounting Strategies", Woodhead-Foukner, London,1990.
- 48. Power, M., "*The Politics of Brand Accounting in the United Kingdom*", The European Accounting Review, Vol. **1**, No. 1, May 1992, pp **39-68**.
- 49. Roos, G., and Roos, J., "Intellectual Performance: Exploring an Intellectual Capital System in Small Companies", paper presented at the "Knowledge in Action!" conference, Herzlia, Israel, October 9, 1996 and submitted to the: 1997 Special Issue on Intellectual Capital in Long Range Planning. (www.imd.ch/fac/roos/research\_ic.html)
- 50. Rutteman, P., 'Mergers, Acquisitions, Brands, Goodwill", Accountancy, Sept 1989.
- Ryan, B., Scapens, R.W., and Theobald, M., (1992) "Research Method and Methodology in Finance and Accounting", Academic Press Ltd.
- 52. SFAC 5, Statement of Financial Accounting Concepts No. 5, "Recognition and Measurement in Financial Statements of Business Enterprise", FASB, Financial Accounting Standard Board, 1984.
- 53. Srikanthan, S., Ward, K., and Neal, R., 'Brand Accounting: Myth or reality? ", Management Accounting, April 1989 ,pp. 20-22.
- 54. Srikanthan S., et al, "Marketing: The Unrecognised Asset", Management Accounting, May 1987, pp. 38-42.
- 55. Srikanthan, S., and Neal, R., (1989), 'Marketing Asset Accounting", Working Paper, Cranfield School of Management.
- 56. Steward, T., "Your Company's Most Valuable Asset: Intellectual Capital. "Fortune No. 7, Vol. 130: 28 33 (1994).
- 57. Solomon, D., *Guidelines for Financial Reporting Standards*, Institute of Chartered Accountants in England and Wales, 1988.

- 58. Solomon, D., *Guidelines for Financial Reporting Standards*, Institute of Chartered Accountants in England and Wales, Research Board, 1989.
- 59. Taylor, P., and Turley, S., The Regulation of Accounting, Basil Blackwell, 1986.
- 60. Timbrell, M.C., and Tweedie, D.L., (1997) "Stock Exchange Year Book 1997", MacMillan Publishing.
- 61. Vitalari, N.P, (1985), "The Need for Longitudinal Designs in the Study of Computinng Environments", in Mumford et al (1985).
- 62. Anonymous, "Guiness Supporterjbr Brand Accounting", Accountancy, p 36, June 1990.
- 63. Anonymous, "Finance Directors Say Yes to Brand Valuation", Accountancy, p. 12, January 1990.
- 64. Annual Reports, Dalgety Plc, From 1987-1996.
- 65. Annual Reports, SmithKline Beecham Plc, 1988-1996.
- 66. Annual Reports, Grand Metropolitan Plc, 1987-1996.
- 67. Annual Reports, Guinness Plc, 1987-1996.
- 68. Annual Reports, Ranks Hovis McDougalls, 1987-1992.
- 69. Annual Reports, Lonrho Plc, 1987-1996.
- 70. Annual Reports, WPP, 1987-1996.
- 71. Annual Reports, Cadbury Schweppes Plc, 1987-1996.
- 72. Annual Reports, Reckitt & Colman Plc, 1987-1996.
- 73. Annual Reports, United Biscuits Plc, 1987-1996.
- 74. Annual Reports, United News and Media, 1987-1996.
- 75. Annual Reports, Reed International, 1992-1 996.
- 76. Annual Reports, Maxwell Comm. Corp. Plc, 1985-1991.
- 77. Souces from internet http://www.nyu.edu/ross/