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Manchester Metropolitan University Business School

Social Networks and Business Startups: A First-Hand Account of Entrepreneurship

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**Biography** 

Oswald Jones is Professor of Innovation and Entrepreneurship at The Business

School (MMU) and was previously employed as a Senior Lecturer in Innovation

Management in the Strategic Management Group at Aston Business School. After

completing PhD at Manchester Business School in 1990, Professor Jones spent 3

years at UMIST School of Management as an ESRC Teaching Fellow.

Professor Jones has published widely in the general areas of innovation and

technology management. Current research interests include the outsourcing of R&D,

links between higher education institutions (HEIs) and small & medium sized

(SMEs) manufacturing firms in mature sectors, innovation networks and

entrepreneurship.

Dee set up her first business in partnership with her sister after they had both left

school. Since founding Vogue Clothing Company in 1976, she has established a

further 4 new firms. The most recent of these, American E-Z Self Storage, was

established early in 2000.

Although successful as an entrepreneur, Dee wanted to continue her studies and

recently completed an MBA at The Manchester Metropolitan University Business

School. Dee's MBA dissertation forms the basis of this paper.

1

#### **Abstract**

The topic of entrepreneurship has been the subject of a considerable amount of academic interest over the last twenty years. Despite a vast amount of published work there have been very few attempts to study the entrepreneurial process. In other words, we know little of what happens as an entrepreneur moves from idea to the objective reality of a fully functioning business. A more recent phenomenon has been the shift from a focus on entrepreneurial traits to the study of entrepreneurial networks. This is recognition that even the most individualistic of entrepreneurs rely heavily on their social relationships during the creation of a new business. These two factors, networks and the entrepreneurial process, are brought together in this paper which utilises a first-hand account of activities associated with business startups. The paper also examines the way in which MBA education provides useful skills to even the most experienced entrepreneur.

## 1. Introduction: What Is Entrepreneurship?

In the past twenty years policy-makers have recognised that small firms play an extremely important role in developing new industries and creating employment opportunities. Research carried out by Birch (1979) in the US indicated that firms with less than 20 employees provided a disproportionate share of new jobs. According to Burrows (1991) these findings encouraged the Thatcher administration to create an 'enterprise culture' in the UK (see Bridge et al, 1998). This political interest was mirrored by an increasing focus on entrepreneurship and selfemployment in management education especially MBA programmes (Gibb, 1996). Although, in the majority of institutions these courses were based on research and conceptual frameworks almost entirely related to multi-divisional companies. For entrepreneurial education to be effective it should be recognised that owning and managing small organisations is distinctly different than such activities in larger firms. Gibb (1996:313) suggests that 'a starting point is the recognition and definition of a number of behaviours, skills and attributes that might commonly... be associated with the "entrepreneurial" or "enterprising" person'. Behaviours include opportunity seeking, creative problem solving, coping with uncertainty; skills include problem-solving, negotiation, decision-making; attributes include self-confidence, achievement orientation, versatility and resourcefulness (Gibb, 1996; 1999).

In general, explanations of entrepreneurial activity either concentrate on individual psychological attributes (McClelland, 1961; Chell *et al*, 1991) or economic approaches based on the interaction of supply and demand (Casson, 1995). Increasingly, it is accepted that networks add an original dimension to the study of entrepreneurship and innovation (Freeman, 1991; DeBresson and Amesse, 1991; Chell and Baines, 2000). Steward and Conway (1998) suggest that the network approach provides a framework for exploring the pluralistic patterns of communication and collaboration necessary for successful innovation (see Conway, 1997). Networks can be visualised as a series of dyadic relationships established for the exchange of ideas, information, goods, power and friendship (Tichy *et al*, 1979). The personal networks created by entrepreneurs fulfil a number of roles including the provision of social support, extending strategic competences by identifying threats

and opportunities and supplementing internal resources to resolve particular problems (Johannisson, 1988; Birley *et al*, 1990; Shaw and Conway, 2000).

The paper is based on the personal account of a practising entrepreneur who has been responsible for five business startups over a period of twenty six years (Brereton, 2001). There are many practical difficulties associated with observing the entrepreneurial process of developing and institutionalising a new business idea (see Aldrich, 2000). As McMullan and Vesper (2000:33) point out: 'there is little accumulated in-depth knowledge about the personal transition process through which an individual proceeds in becoming more entrepreneurial'. Therefore, it is suggested that utilising 'first-hand' accounts of entrepreneurial activity is a valuable device for better understanding the way in which individuals create new ventures. In this paper, the focus is on differences between the ad hoc approach associated with a first business venture and the more structured approach in which the knowledge acquired during an MBA was utilised to inform the 'entrepreneurial process'. The course itself was based on the traditional model of MBA education and did not contain elements associated with either entrepreneurship or small firm management. However, the argument put forward here is that even without such a focus completing an MBA does have the potential to enhance the skills and knowledge of those wishing to become entrepreneurs or even those who have first-hand experience of managing their own firms. This joint paper is written in the first-person because the empirical data are based on the practical experiences of the first author (Brereton, 2001).

### 2. Entrepreneurial Attributes

Existing theories can be located on an environment-to-individual continuum indicating influences on entrepreneurship (Manimala, 1999; Koh, 1996; Timmons, 1989). Economic theories (Kirzner, 1973; Casson, 1982; 1995) represent the environmental perspective in which entrepreneurial activity results from disequilibrium in supply and demand. Population ecology theory (Aldrich, 1979; Hannan and Freeman, 1977) focuses on the birth and death rates of entrepreneurial ventures resulting from selection mechanisms which include government policies, political events and cultural norms (see Van de Ven, 1996). At the other extreme, psychological theories concentrate on individual traits such as risk-taking, achievement, autonomy, optimism and self-efficacy (McClelland, 1961; Schumpeter,

1934). Although the most widely quoted psychological approach McClelland's 'need for achievement' trait now 'stands disowned even by its author' (Manimala, 1999:67). Manimala (1999:73) develops his own theoretical model in which he introduces 'managerial heuristics, policies and strategies' as the intervening variables between 'the entrepreneur in his environment and venture performance'. This approach is based on the PI (pioneering-innovator) motive identified by Khandwalla (1985) which is similar to Maslow's (1954) concept of self-actualisation. Cultural and sociological theories occupy the middle-ground between 'strategic choice' and 'environmental determinism'. Cultural theories (Weber, 1930) concentrate on the role of particular ideologies such as the Protestant ethic while sociological theorists (Hagen, 1962) argue that entrepreneurs emerge in communities that have been displaced or have experienced 'status withdrawal'. For example, Quaker entrepreneurs in the UK founded their own businesses because they were excluded from the professions (Prior and Kirby, 1998). The continuing links between religion and entrepreneurship are confirmed in a recent study where it is concluded that proponents of 'Thatcherite enterprise culture' sought to 'validate and legitimate their work by reference to traditional (Protestant) religion' (Anderson et al, 2000:17). Furthermore, Tony Blair's strongly espoused 'Christian' position and his government's stance on the benefits of entrepreneurship suggests Thatcher's 'enterprise theology' has substantially influenced New Labour.

Most employees adhere to the norms, rules and regulations of collective social organisms but independent people often resent these constraints and regard them as counter-productive in developing innovative proposals (Caird, 1990; 1991; Janis, 1972; Shane, 1994). Therefore, people become entrepreneurs because they value autonomy and want to control their own destiny (Cromie, 1977; Stoner and Wankel, 1986). Starting a business means that nascent entrepreneurs must be prepared to face uncertainty and those best at dealing with the day-to-day stress accept setbacks are inevitable (Wickham, 2001). High levels of independence encourages the idea that enterprising individuals especially in a business context are selfish, exploitative and uncaring with a short-term, get-rich-quick approach (Herbert and Link, 1988; Kao, 1997). In reality, successful enterprise requires team co-ordination as well as faith, trust and co-operation between contributors to the business: 'Studies of entrepreneurs indicate that many are highly ethical and socially responsible, compared to the

general population' (Cunningham and Lischerom, 1991). Particularly in high-growth businesses entrepreneurs must be prepared to build highly motivated teams able to handle complexity and uncertainty in their day-to-day activities (Kuratko and Hodgetts, 1998).

Popular perceptions of entrepreneurs are associated with their roles as risk takers, founders of organisations and innovators. Some research suggests that effective entrepreneurs are moderate risk takers (Caird, 1990) while Drucker (1997:128) argues that those who are successful 'try to define the risks they have to take and to minimise them as much as possible'. Entrepreneurs tend to focus on opportunities and often do not initially consider resources, structure or strategy (Stevenson and Gumpert, 1992). Effective entrepreneurs are described as quick learners because they use both negative and positive feedback to improve their businesses (Starbuck, 1965). Enterprising individuals develop new ideas, spot market opportunities, combine existing ideas and resources in different ways to create additional value but such outcomes are unlikely to be achieved by 'adherence to prescribed detailed procedures' (Biemans, 1992: 226). Others argue that entrepreneurs are distinguished by a strong locus of control and consider setbacks and successes as outcomes of their own actions (Brockhaus, 1982). Rotter (1966) assessed this aspect of personality and designated those who feel in control as 'internals' and those not in control as 'externals'. 'Internals' emphasise the importance of ability, hard work, determination and planning in achieving outcomes. There is evidence that 'internals' become leaders as they are more likely to exercise control over events while 'externals' emphasise uncontrollable forces such as fate or luck Anderson (1977). It is noted by Simpson (2000: 338) that women MBA students are more likely to have an external locus of control while male students are more likely to be 'internals' (see Bishop and Soloman, 1989). Research concentrating on individual traits is increasingly challenged by those who see entrepreneurship as a phenomenon which is strongly socially embedded (Granovetter, 1985; Jones and Conway, 2000).

'The focus is on "entrepreneurial spirit", the ability to think, behave and work in ways that can be understood as entrepreneurial rather than the entrepreneur as a semi-mythical role. Rather than entrepreneurs being regarded as exceptional

individuals, we can argue the entrepreneurial behaviour is a learned and endemic aspect of human conduct which becomes deeply ingrained' (Rae, 1999:1).

In other words, entrepreneurship, rather than relying on particular psychological attributes or traits is a set of managerial skills which can be 'presented as a discipline, capable of being learned, capable of being practised' (Drucker, 1997:17). In particular, Drucker focuses on the importance of entrepreneurs recognising that innovation is the 'tool' by which they can exploit business opportunities by creating new products or services.

### 3. Entrepreneurial Networks

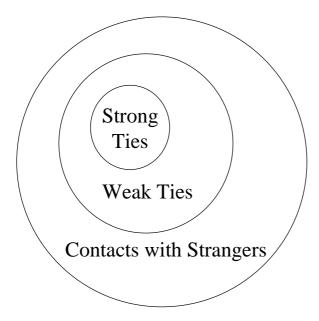
It is argued that individual entrepreneurs take primary responsibility for creating and maintaining networks and this is necessary until the SME has been established in the market place (Jones *et al*, 1997). According to Leonard-Barton (1984) owner-managers acknowledge the significance of networks: 'entrepreneurship is both constrained and facilitated by linkages between the resources and opportunities that are created via the social network of the entrepreneur'. Entrepreneurs build successful business by maximising the opportunities and social networks are crucial for business owners (Birley *et al* 1990; Lawton-Smith *et al*, 1991; Rothwell and Dodgson, 1991). Networks can be defined 'as the composite of the relationships in which small firms are embedded, which serve to link or connect small firms to the environments in which they exist and conduct their businesses' (Shaw and Conway, 2000:369). A more 'actor-centred' definition is provided by Johannisson (2000: 370):

'Networks are interconnected, dyadic relationships in which the various ties can be analysed in terms of content. First, information ties provide business information, secondly, exchange ties extend access to resources, and thirdly, influence ties legitimate the entrepreneur's activities and help create barriers to entry'.

Networks are based on social relationships, family, friends, neighbours, as well as customers, vendors and creditors. Birley *et al* (1990:59) note: 'entrepreneurs, at an early stage of enterprise development, rely heavily on informal network of friends, family members and social contacts from the local neighbourhood to gather relevant data'. Gradually, entrepreneurs extend their networks to include bankers,

accountants, lawyers, suppliers, government agencies, customers and consultants. Research on the growth of small firms (McGhee et al, 1995) confirms the importance of entrepreneurial teams which 'expand the organization's network of contacts and provide the balance of expertise required to profit from certain types of cooperative activity' (Birley and Stockley, 2000: 289). Entrepreneurs with good cultural and social networks can attract more capital and are more likely to be successful than those with limited networks (Shaw, 1998). Some linkages are planned, some are accidental and others are with organised groups, such as Chambers of Commerce, that help enhance entrepreneurial scope. There are differences between marketmediated transactions related to one-off purchases and those based on regular interaction between buyers and sellers. The latter are referred to as 'contacts' and such encounters may be based on social relationships such as lunch, a meal or drinks. Such activity can be described as the forming and building of network ties. 'Ties' rather than 'contracts' are the basis of networking and any individual's set of relationships can be classified (Figure 1) as strong, weak and those which apparently are inconsequential, for example, meeting complete strangers (Aldrich et al, 1997; Boissevain, 1974).

Figure 1: Network Relationships



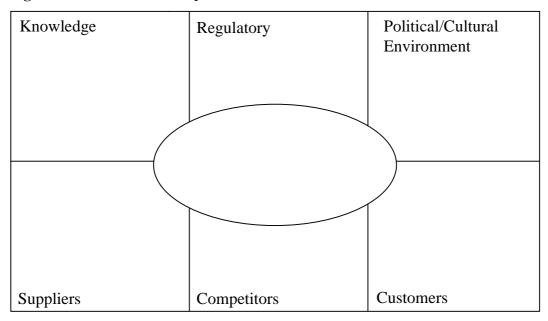
Strong ties with family and close friends are trust-based relationships which are generally of mutual benefit to both parties (Granovetter, 1973; 1985). These ties are important for business owners: 'as they provide a means of avoiding the opportunism

and uncertainty inherent in typical market-mediated transactions' (Aldrich and Elam, 2000:177). Weak ties are more superficial and involve much less emotional investment for both parties and are often at arms-length. Such ties include customers, clients, suppliers and casual contacts made during a business career (Birley, 1989). Weak ties involve little emotional investment and consequently are subject to high levels of 'uncertainty, opportunism and exit'. The outer circle represents those contacts undertaken primarily for instrumental reasons. Such links with 'strangers' are usually of short duration and involve little in the way of emotional attachment. As Aldrich *et al* (1997:4) go on to say: 'we have only limited understanding of the value and importance of these pragmatic links with strangers'. In addition, the authors point out that most academic research into entrepreneurial behaviour addresses strong ties with little emphasis on either weak ties or contacts with strangers.

In the early stages of a business startup entrepreneurs rely on strong ties gradually building up weaker ties and contacts with 'strangers' as the business develops. This model helps to distinguish the different ties that entrepreneurs encounter but it must be acknowledged that boundaries are not easily defined and most network research addresses strong ties with little emphasis on weaker ties (Jones and Conway, 2000). Entrepreneurs need to strengthen weak ties which helps overcome difficulties with pure market transactions and improves the firm's resource base. Strong ties are important because they create trust, predictability and voice in network relations (Aldrich and Elam, 2000). These benefits help mediate the risks inherent in building the business by opening channels of information that are otherwise inaccessible. Aldrich and Elam (2000) argue that strong ties are based on emotional attachment and tend to be homogeneous but greater heterogeneity is tolerated amongst weaker ties. This is important because entrepreneurs with diverse ties are better equipped for accessing the resources necessary for business survival and growth (Shaw, 1998). Although, it is noted by Chell and Baines (2000) that some authors (Blackburn et al, 1991; Curran et al, 1993) report that small business owners have little time for networking and place more emphasis on independence via a 'fortress enterprise mentality'. In explaining the contradictory evidence, Chell and Baines (2000:205) found networking was positively related to business growth being significantly higher in 'expanding or rejuvenating' businesses than those 'plateauing or declining'.

Conway (1997:241) outlines a 'detailed and systematic method for revealing and mapping the set of actors, relationships and flows drawn on for the development of a discrete innovation'. As a means of mapping those relationships Conway suggests what he describes as an 'actor positioning template' that illustrates both internal and external relationships associated with a particular firm or entrepreneur (Figure 2). The central ellipse represents an individual firm or entrepreneur and the rectangle represents the external environment. The lower section of the template describes relationships associated with value chain activities such as suppliers, competitors and customers. The upper segment illustrates broader relationships with knowledge creators and the socio-political environment (Conway and Steward, 1998:238). Social relationships are the basis of any entrepreneurial start-up and the template is a useful device for identifying and categorising those relationships. Others have used the template for analysing more established firms in the process of acquiring new knowledge (Jones and Beckinsale, 2001; Beckinsale, 2001).

Figure 2: The Network Template



### 4. Research Methodology

McMullan and Vesper (2000) differentiate between three approaches for generating evidence on links between education and entrepreneurship. First, sociological surveys provide a 'wide angle lens' by which it is possible to compare programmes in terms of their design and inputs. Secondly, single institutional studies which are similar to a 'normal lens' help understand the way specific programmes utilise their own knowledge and resources. Thirdly, single person studies are like a 'fish-eye lens' which give a detailed 'but subjectively distorted close-up' of entrepreneurial activity (McMullan and Vesper, 2000: 34). Here, the single case methodology is extended by utilising the entrepreneur's own account of interactions between education and the exploitation of business opportunities. Data for the paper are based on recollections of the first author's experience as an entrepreneur. Conway's (1997) model is used to analyse the way in which networks contributed to the setting-up of two business ventures. I have taken this 'action-set' approach and applied it to my first venture established in partnership with my sister when I was 19 years-old and my most recent venture set-up early in 2001. Since 1976 I have established five new ventures four of which I still control. I have drawn on my own experience as a serial entrepreneur in setting up these businesses and collated data from historical sources established during twenty-six years of my entrepreneurial activities. In the paper I present two case studies related to the process of setting-up businesses from the initial idea, evaluating opportunities, acquiring resources, gathering knowledge and establishing the organisations. In particular, I compare different entrepreneurial networks, examine the success of the enterprises and personal knowledge gained from the experiences.

The research methodology is essentially autobiographical in an approach described by Jones (1983) as 'life history'. As pointed out in the editorial of a special issue of Sociology (1993:2) on the use of biography and autobiography it is important to acknowledge the 'resocialisation of the individual' in a way that avoids both structural and psychological determinism. Similarly, Power (1991:334) argues that first-hand accounts are 'the purest form of participant observer study available' (also see Jones, 2000). It is ironic, that despite the extensive entrepreneurship literature, few researchers have actually studied business startups (Aldrich, 2000:14). The

advantage of first-hand accounts is that practitioners can access their own intentions and motives but at the same time they may deceive themselves about those intentions and motives (Hammersley, 1992; Czarniawska-Joerges, 1995). Therefore, it is argued that using biographical accounts is a legitimate research approach to improve understanding of the entrepreneurial process. At the same time, network theory defined by Oliver and Ebers (1999:575) as a focus on how the position of actors within their network of relationships affect opportunities for action (see Burt, 1992; Powell, 1990) is utilised as a means of providing an analysis of those activities associated with establishing new businesses. This paper differs from the 'single clinical case study' (McMullan and Vesper, 2000) which examines modifications to 'sentiment and behaviour' by concentrating on the changing role of social networks with increases in entrepreneurial experience and education.

# 5. The Entrepreneurial Process

As pointed out by Birley and Muzyka (2000:xi) starting a business 'does not usually happen overnight'. There are a number of activities associated with identifying and exploiting opportunities which can be described as 'the entrepreneurial process' (Stevenson and Sahlman, 1989). I still own four of the five companies I have set up qualifying as a serial entrepreneur (Wright et al, 1997) and in this section I analyse the setting-up of two of those companies. The Vogue Clothing Agency, established in 1976 to retail second hand clothing and American E-Z Self-Storage, established early in 2000, based on the weekly rental of storage space. At the outset I was unaware of being entrepreneurial and was influenced by my family background in process described by Hofstede (1994) as 'mental programming'. I started my first business when nineteen years old, having recently left school without qualifications and no business experience. In contrast, Aldrich et al (1997) claim that the majority of US entrepreneurs are generally educated to degree level. My sister and I were each given £10000 by our parents on the understanding it was a 'one-off' gift. My mother suggested investing in a shop as she regarded property as 'the bread-and-butter of business'. We decided to do something in which we were interested and chose to concentrate on clothing. Eventually we identified a property in a Lincolnshire town which was on sale for £18000 and put in a 'silly offer' of £12000 because the divorcing couple that owned it were desperate to sell. Our offer was accepted and the

shop, which included two flats, five garages and a car park, had an excellent main street location. We still own the shop which was recently valued at more than £400,000.

Following mother's advice we used a dress agency that provided stock on consignment. We also saved money by decorating the shop ourselves, borrowing furniture from friends, buying curtains from 'jumble sales' and shop-fittings from bankruptcy sales. In the early stages there was no marketing plan because we simply we relied on passing trade. Later, our 'advertising' included many hours spent attaching 'flyers' to vehicles in local car parks and small, inexpensive 'adverts' placed in local papers. To minimise costs we used my mother's network of friends to find cheap, second-hand clothes as well as buying 'end of line' stock. To our surprise, despite lacking previous business experience, the shop began to make money immediately. Most decisions were made intuitively, for example, when looking at rows of clothing I worked out quickly in my mind that if I paid x and charged y we would make a profit. Judgement about stock was made on the spot and there was no plan related to the number of skirts, tops and jackets nor any system of stock rotation. In the early stages we did not even know that the most popular sizes were 16/18 as we were size 10/12 and modelled the stock. In addition, we rented the car park, garages and the flat which paid the overheads and contributed to profit. We had excellent cash-flow, very high margins and low overheads which helped make the business a success.

My most recent business startup, *American E-Z Self-Storage*, was established after 26 years experience and an MBA obtained from the Manchester Metropolitan University Business School. I had seen the concept when living in the US some years earlier and thought it was a good business idea. Self-storage offers warehouse space from as little as four square metres on weekly, monthly and annual contracts. The concept is aimed at both commercial and domestic markets which in the latter case gives flexibility when people are moving home. While considering the opportunity I met my ex-bank manager at a business lunch who mentioned that he was involved with a similar project and offered to show me around. It is noted by Hornaday (1982) that entrepreneurs have the ability to make decisions quickly and following the visit I decided I would invest in the business. I made 'offers' for a number of suitable

properties in my local area and one vendor immediately agreed to a substantial reduction on 'asking price' as he and his family were moving to the US. After surveying the building, which was divided into four units, I decided it was ideal because there was spacious parking and the perimeter securely fenced. I was advised by my accountant that new venture could be financed through my pension scheme and a new company, *American E-Z Self-Storage*, was established to manage the business. Working capital was provided by cash from my other business ventures which meant that setting-up the new company was entirely self-financed.

I chose the name because it began with an 'A' and consequently would be placed in the first section of Yellow Pages. American E-Z Self-Storage also gave the impression that it was a large operation which I hoped would deter potential competitors. Rather than relying on my own skills, as with the first venture, this company was set-up with a manager and small team of part-time employees. I wanted to give the manager's position to someone that I trusted and eventually offered it to a fellow MBA student. Ideas for promoting the new business were suggested by staff at another of my companies and rewards given for the best ideas. We advertised in local papers, on the radio and got publicity by, for example, sponsoring Christmas decorations in the town centre. I obtained permission to promote the company in the local shopping precinct owned by a major supermarket Subsequently, the senior manager said my proposal was only accepted because he thought he was dealing with a large, highly professional company. In a typical 'American' fashion I also purchased a 'blimp' so the whole town knew about the company. Setting-up American E-Z Self-Storage demanded significantly more capital than any of my earlier ventures and had to be carefully planned from the outset. Marketing was done on a professional basis and my decision to invest in the business was informed through the calculation of net present value. Within three months of opening trading exceeded the first year's projections and I began to feel confident about the company's future. Had it not been for the MBA I would not have had the skills, knowledge or the confidence to take on a project that required so much planning and so much capital.

### **6.** Contrasting Entrepreneurial Networks

There are similarities and differences between my first and most recent business startups as illustrated by Figures 3 and 4. Drawing on Conway's (1997) network mapping model I illustrate the different processes in establishing both companies. My mother was central to the setting-up *Vogue Clothing Agency* as a result of her business knowledge, contacts and finance. She was the only source of business information at the time and her willingness to pass on her experience was invaluable. In setting-up *American E-Z Self-Storage* my MBA studies added to the practical experience gained over more than twenty years by giving me a clearer understanding of the intuitive actions I had previously taken. The MBA also gave me confidence to draw on a much wider spectrum of professional expertise to help with business decisions (see Birley *et al*, 1990). I used a range of advisors to help with decisions related to tax, finance and discussed the business idea with auditors during the planning stage. Each of the model's six elements are now utilised to compare and contrast the two startup processes.

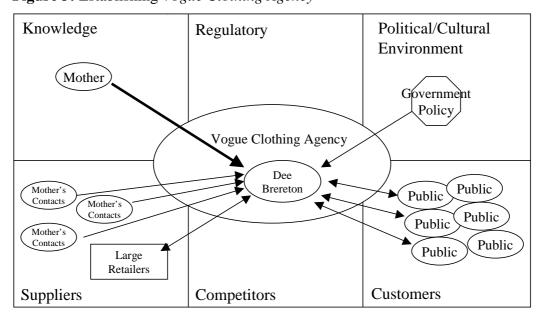


Figure 3: Establishing Vogue Clothing Agency

In establishing *Vogue* two segments of the model, regulatory and competitors, did not influence our business decisions. At the time we were completely unaware of such issues as Health and Safety at Work or regulations related to trade union membership and wage councils. Similarly, we simply decided to buy the shop

without considering competitors within the town or those in the region. We gained an impressionistic view by walking around and engaging in casual conversations with local residents. One broader political factor which did influence our decision to buy a shop was the high levels of taxation on 'unearned income' which meant it was unattractive to simply invest our inheritance. In making contact with suppliers initially we were heavily reliant on my mother's network which helped provide stock as well as equipment in the early stages of Vogue. Hence, my mother was the main 'provider' of knowledge as she passed on her business experience and commercial contacts including potential suppliers and other useful contacts from her wide circle of friends and acquaintances. We were very unsystematic in developing our customer base as we relied very heavily on 'passing trade' although as time went by we began to adopt a more professional approach to advertising and marketing.

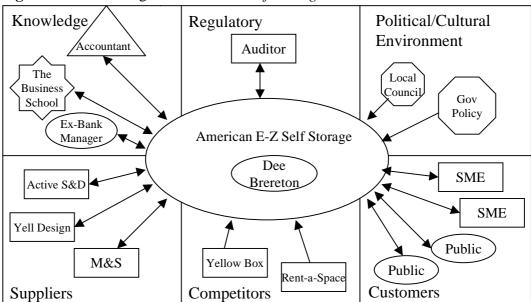
My approach to establishing American E-Z Self-Storage was far more professional than any of my previous ventures. Network linkages with all segments of the model were a feature of this particular start-up. Government policy on pensions certainly strongly influenced my decision to go ahead with the project because I was able to finance it personally rather than seek external funding. Secondly, close personal ties with employees of the local council helped me understand the appropriate procedures associated with planning approved on business premises. In addition, while in final negotiations for the property a local government officer informed me that a competitor was attempting to purchase land only three miles away. I spoke to the entrepreneur involved and, with the help of a 'compensation' payment, persuaded him that close competition would be bad for both our businesses. A senior partner from my chartered accountants advised me about the possibility of taking a loan from my pension scheme to finance the setting-up of American E-Z. An independent firm of auditors, Robert Graham Associates, were appointed as trustees to ensure that operation met requirement of government regulations related to pension schemes (OPRA, 2001).

A more straight-forward knowledge link was provided by my ex-bank manager who has contributed a considerable amount of invaluable advice over the years. As discussed above, his involvement with a similar operation helped convince me that the *American E-Z* concept offered a worthwhile business opportunity. A turnkey

company, *Active*, *Supply and Design*, was identified as a result of systematic research and supplied facilities as well as consultancy planning. *Yellow Box* operate a similar company in southern England and I checked their business before setting-up *American E-Z*. The owner of a local competitor Rent A Space Ltd also agreed to show me his business premises and provided a considerable amount of industry-related information. This direct interaction with competitors was very different than the ad hoc approach to setting-up *Vogue*.

The biggest difference between the two businesses has been linkages associated with MMU Business School established during two and half years of MBA study. The MBA itself provided a wide range of new knowledge which has been useful in all my business ventures. For the first time I began to understand how the economy actually operates particularly in terms of the role of the Stock Exchange. At a more microlevel, I recognised the importance of having an organisational structure based on the separation of functional activities. While greater formalisation helped improve control and decision-making I also tried to ensure that an informal 'culture' was retained to maintain effective communications within each of my firms. Finance modules provided an understanding of techniques such as net present value (NPV) which have now become important aids to investment decisions. The linked concept of corporate strategy provided the analytical tools which have helped match internal resources to demands of the external environment. I also recognised the importance of establishing strategic goals such as targets for improvements in turnover and increases in the number of employees. Softer skills acquired via organizational behaviour courses have contributed to more effective change management techniques by recognising the process of unfreezing, changing and re-freezing. Introduction to the concepts of ontology and worldviews helped me realise that not everyone sees problems, or solutions, in exactly the same ways. Perhaps human resource management (HRM) was the only course which did not contribute directly to changes in my managerial style. For example, while I found the idea of greater employee participation attractive in theory it was less successful in practice. Involving employees in decision-making was counter-productive leading to numerous disputes and reducing our ability to respond quickly to new opportunities. In fact, I believe that, in general, employees prefer the certainties associated with a clear hierarchical structure. Although, I do recognise that this approach fits my own

'management style' and personality as I need to feel that I am actually 'in control' of my business ventures. In summary, studying for an MBA gave me the knowledge to tackle much bigger projects, particularly in terms of finance, than any of my earlier ventures. I also gained the confidence to talk to senior managers in other organisations as equals and now feel I am given greater respect because I have a better understanding of the business world. The MBA also provided access to a completely new network of contacts and, for example, I recruited a fellow student to manage *American E-Z*.



**Figure 4:** Establishing *American E-Z Self-Storage* 

# 7. Discussion: The Entrepreneurial Process

Popular phrases such as 'it's not what you know, but who you know' and 'the old boy network' reflect a broadly negative perception of certain social linkages. Yet most of those who have examined small firm networking suggest that such linkages are importance for business success (Johannisson, 2000; Chell and Baines, 2000). Credibility is established through personal contacts, knowledge of skills and motivation as well as an individual's past performance which bankers call 'the track record' (Birley, 1989). As embryonic businesses have no trading record investors must look to earlier relationship with the individual whether commercial or personal. For example, a previous employer may agree to be the first customer, a friend may

allow use of spare office space, a relative may be prepared to lend money with little real hope of a return in the short or even the medium term (Birley, 1989). Advice and guidance are often seen as the outcomes of 'networking' and networks are also the bases upon which small firms support agencies have been built (Bennet *et al*, 2001). Entrepreneurs, may use networks in different ways to other actors and in particular may be more effective in mobilising weak ties to help in their ventures as discussed in relation to James Dyson by Jones and Conway (2000). A further example is provided by Richard Branson (1998) who describes how he always carries a notebook to record new contacts (weak ties) who may be useful in the future.

Traditional views of entrepreneurship which suggest that individuals possess certain traits and characteristics which make them entrepreneurial (McClelland, 1961; Schumpter, 1934) are increasingly criticised (Chell, 2001; 1985; Gartner, 1989). The argument put forward here is that understanding the 'entrepreneurial process' requires more focus on ways in which entrepreneurs mobilise their social networks as a means of accessing business resources. At the same time, entrepreneurs may differ in terms of the willingness to balance risk and opportunity (Caird, 1990; Drucker, 1997) and in terms of broader characteristics such as their motivation, goalsetting abilities, resilience, confidence, assertiveness and comfort with power (Wickham, 2001). Instead of attempting to discuss personality or individual motivation the focus of this paper has been the way in which education and experience changes an entrepreneur's capacity to network. Although, there was certainly one direct impact as I gradually shifted from being an 'internal' to an 'external' (Rotter, 1966). In fact, this change was not only personal it was also organisational because the firms which I own also began to operate with a stronger internal locus of control as I transmitted the belief that we could actually exercise some influence over the external environment (see Cobbenhagen, 2000). At a basic level the two companies illustrate the way in which the strong ties associated with Vogue Clothing Agency were replaced by a much broader range of weaker ties by the time I setup American E-Z Self-Storage (Aldrich et al, 1997). The respective network maps (Conway, 1997) provide a graphic illustration of the way in which my external linkages became much more diverse. No doubt this ability to network more widely is partly explained by business experience gained over a period of more than twenty-six years. At the same time, undertaking an MBA provided two direct benefits, first it improved my confidence to deal with other managers and entrepreneurs as equals. Secondly, the various skills described above improved my analytical abilities enabling me to be more rigorous in searching out information related to new business opportunities.

The issue of entrepreneurial networks has received increasing attention since Leonard-Barton's (1984) comparison of entrepreneurs from Sweden and the US. During the 1990s a wide range of studies were carried out which added to the broader understanding of the way in which those engaged in setting-up and managing small firms were able to access external resources. Although, as Chell and Baines (2000) point out, there was disagreement between those who argued that owners of small firms did not actively network (Blackburn et al, 1991; Curran et al, 1993) and those who saw networking as a key tool of any effective entrepreneur (Birley et al, 1990; Rothwell and Dodgson, 1991). Chell and Baines (2000) suggest that by separating the more dynamic entrepreneurs from those who could be described as 'small business managers' it is possible to explain these apparently irreconcilable positions. In other words, those who are active in seeking out new opportunities are more likely to establish a wide range of contacts whereas those 'managing decline' will be more inward looking. I certainly regard myself as entrepreneurial and believe that my record of five business startups confirms my ability to exploit a wide range of opportunities.

Entrepreneurs inform themselves by networking (Aldrich and Zimmer, 1986) and this process helps with the identification, articulation and evaluation of business opportunities. Such opportunities are not 'out there' waiting to be recognised by the entrepreneur but are social constructions which become part of the mental space between the entrepreneur and their perception of reality (Chell, 2000). Neither of the businesses discussed in this paper were based on particularly innovatory ideas but both have successful exploited opportunities in existing markets (Schumpeter, 1934). The first business was started simply because my interest in clothes was an effective way of using a gift of £10000 and it provided an alternative to working for someone else. *American E-Z Self-Storage* was established after a much more rigorous evaluation of the potential offered by such a business. In other words, I was able to identify and exploit opportunities for profitable businesses where others did not.

#### 8. Conclusions

There are similarities associated with setting-up the two companies even though they were separated by 26 years. There was added value in the purchase of buildings which enabled me to use these assets as security if needed. In both cases, I wanted to retain financial control and was therefore unwilling to accept external finance. In setting-up Vogue Clothing Agency with my sister we used money given by our parents to purchase the property and then obtained credit by taking stock on loan from suppliers. Funds for establishing American E-Z Self-Storage were borrowed from my own pension scheme which reduced the cost of borrowing and helped minimise risk. None of my five businesses ventures, including the two discussed in this paper, were based on innovatory concepts but all have been successful in terms of my own personal rewards, the creation of jobs for 150 people in an area of high unemployment and their contribution to broader economic activity. Although I consider myself to have a number of typical 'entrepreneurial traits' such as a desire for autonomy and a need for achievement (McClelland, 1961) as well as being hardworking, persistence and self-starting (Wickham, 2001), none of my business ventures would have been started nor have succeeded without support from broad social networks.

Differences between the two businesses are particularly evident in the degree of formalisation related to the business plan. Marketing was also very different and knowledge was accessed from a much broader range of contacts. My own knowledge developed through a process of continual learning with feedback from successes and failures. Risk-taking is a factor in any entrepreneurial venture and I believe that I have been effective in balancing risk and opportunities in both ventures. Fear of failure (Kets de Vries, 1977) has certainly been a driving force in my own desire to succeed in all my entrepreneurial ventures. Although hardworking at school, academically I was a failure and this stimulated a desire to prove myself by being a success in business. Later in life I was diagnosed as a dyslexic which was a factor in my inability to pass examinations. My mother was also a very strong influence, particularly in encouraging me to be ambitious from a young age and, as discussed

above, by providing her experience and contacts which were integral to the settingup and subsequent success of *Vogue* (see Jennings *et al*, 1994).

The Dyson (1997) case demonstrates that entrepreneurs need to be hard working, self-starters, goal-orientated, resilient, confident, assertive and believe in themselves (Jones and Conway, 2000). Therefore, consideration of individual traits has a part to play in understanding the entrepreneurial process. While certain skills associated with entrepreneurship can be taught and appropriate attributes and behaviours encouraged successful entrepreneurship still demands a certain type of individual to engage in the risk of starting their own business. The ability to identify and seize new opportunities is central to the entrepreneurial process. Using casual meeting with strangers on planes, trains and in business meetings as possible future useful contacts is also an important element in the activities of most successful entrepreneurs (Jones and Conway, 2000). In conclusion, this personal account helps illustrate the value of MBA education in contributing to the skills, knowledge and networking ability of an experienced entrepreneur. Furthermore, 'despite the limitations imposed by subjectivity, there is room for case studies to contribute to the accumulation of knowledge about entrepreneurship education' (McMullan and Vesper, 2000:43). (6900 words 10th October 2001)

### **Bibliography**

Aldrich, H. (2000) Learning Together: National Differences Entrepreneurial Research in *The Blackwell Handbook of Entrepreneurship* (Ed.) D. Sexton and H. Landstrom, Oxford: Blackwell.

Aldrich, H. (1979) Organisations and Environment, New Jersey, Prentice-Hall.

Aldrich, H. and Elam, A.B. (2000) A Guide to Surfing the Social Networks, in *Mastering Entrepreneurship* (Ed.) S. Birley and D. Muzyka, London, Prentice Hall.

Aldrich, H., Elam, A.B. and Reece, P.R. (1997) 'Strong Ties, Weak Ties and Strangers' in *Entrepreneurship in a Global Context*, (Ed.) S. Birley and I. MacMillan, London, Routledge.

Aldrich H. and Zimmer C. (1986), Entrepreneurship through Social Networks, in *The Art and Science of Entrepreneurship* (Ed.) D. L. Sexton and R. W. Smilor, Ballinger, Cambridge, MA, pp.3-23.

Anderson, A, Drakopoulou-Dodd and Scott, M. (2000) 'Religion as an Environmental Influence on Enterprise Culture: The Case of Britain in the 1980s', *International Journal of Entrepreneurial Behaviour*, 61, pp. 5-20.

Anderson, C. R., (1977) 'Locus of Control, Coping Behaviours and Performance in Stress Settings, a Longitudinal Study', *Journal of Applied Psychology*, 62: pp. 446-51.

Beckinsale, M. (2001) *Strategic Innovation Networks*, Unpublished PhD, Aston Business School.

Bennet, R., Robson, P. and Bratton, W. (2001) Government Advice Networks for SMEs: An Assessment of the Influence of Local Context on Business Link Use, Impact and Satisfaction, *Applied Economics*, 33:7, pp. 871-85.

Biemans, W. G. (1992) Managing Innovation within Networks, London, Routledge.

Birch, D. (1979) The Job Generation Process, MIT Study on Neighbourhood and Regional Change, Boston, Massachusetts.

Birley, S. (1989) 'The Start-up', in *Small Business and Entrepreneurship* (Ed.) P. Burns and J. Dewhurst, Basingstoke: MacMillan.

Birley, S. and Muzyka, D. (2000) *Mastering Entrepreneurship*, London, Prentice Hall.

Birley, S. Cromie, S. and Myers, A. (1990) 'Entrepreneurial Networks: Their Emergence in Ireland and Overseas', *International Small Business Journal*, 9(4): pp. 56-74.

Birley, S. and Stockley, S. (2000) Entrepreneurial Teams and Venture Growth, in *The Blackwell Handbook of Entrepreneurship* (Ed.) D. Sexton and H. Landstrom, Oxford: Blackwell.

Bishop, R. and Soloman, E. (1989) Sex Differences in Career Development: Locus of Control and Career Commitment Effects, *Psychological Reports*, 35, pp. 107-14.

Blackburn, R, Curran, J. and Jarvis, R (1991) Small Firms and Local Networks: Some Theoretical and Conceptual Explorations, in *Towards the Twenty-first Century: The Challenge for Small Business* (Ed.) M. Robertson, E. Chell and C. Mason, pp. 105-22, London, Nadamal Books.

Boissevain, J. (1974) Friends of Friends: Networks, Manipulators and Coalitions. Oxford, Basil Blackwell.

Branson, R. (1998) Losing my Virginity: An Autobiography, London, Harper Collins.

Brereton, D. (2001) *Entrepreneurial Networks, MBA Dissertation*, Manchester Metropolitan University Business School.

Bridge S., O'Neill, K. and Cromie, S. (1998) *Understanding Enterprise, Entrepreneurship and Small Business*, London, Macmillian.

Brockhaus, R. H. (1982) 'The Psychology of the Entrepreneur', in *Encyclopaedia of Entrepreneurship* (Ed.) C. A. Kent, D. L. Sexton and K. H. Vesper, Englewood Cliffs, NJ, Prentice Hall

Burrows, R. (1991) Deciphering The Enterprise Culture, London, Routledge.

Burt, R.S. (1992) Structural Holes: The Social Structure of Competitiveness, Cambridge Mas: Harvard University Press.

Caird, S. (1991) The Enterprising Tendency of Occupational Groups, *International Small Business Journal*, pp. 9, 75-81

Caird S. (1990) 'What Does It Mean to be Enterprising?', *British Journal of Management*, pp. 1, 137-145.

Casson M. (1995) Entrepreneurship and Business Culture, Volume One, Brookfield, Vermont, Edward Elgar.

Casson, M. (1982) The Entrepreneur: An Economic Theory, Oxford, Martin Robertson.

Chell, E. (2001) *Entrepreneurship: Globalization, Innovation and Development*, London, Thompson Learning.

Chell E. (2000), Towards Researching the "Opportunistic Entrepreneur: A Social Constructionist Approach and Research Agenda, *European Journal of Work and Organisational Psychology* pp. 63-80.

Chell, E. (1985) The Entrepreneurial Personality: A Few Ghosts Laid to Rest?, *International Small Business Journal*, 3:3, pp. 43-54.

Chell, E. and Baines, S. (2000) Networking, Entrepreneurship and Microbusiness Behaviour, *Entrepreneurship and Regional Development*, 12: pp. 195-215.

Chell, E., Haworth, J.M. and Brearley, S. (1991) *The Entrepreneurial Personality: Concepts, Cases and Categories*, London, Routledge.

Cobbenhagen, J (2000) Successful Innovation: Towards a New Theory for the Management of SMEs, Cheltenham, Edward Elgar.

Cromie, S. (1987) Motivation of Aspiring Male and Female Entrepreneurs, *Journal of Organisational Behaviour*, 8: pp. 251-261.

Conway, S. (1997) Informal Networks of Relationships in Successful Small Firm Innovation, in *Technology, Innovation and Enterprise: The European Experience* (Ed.) D. Jones-Evans and M. Klofsten, London MacMillan, pp. 236-273.

Conway, S. and Steward, F. (1998) Revealing and Mapping Innovation Networks, *International Journal of Innovation Management*, 2(3).

Cunningham, J. B., and Lischeron, J. (1991) Defining Entrepreneurship, *Journal of Small Business Management*, pp. 29, 45-61.

Curran, J., Jarvis, R., Blackburn, R. and Black, S. (1993) Networks and Small Firms: Constructs, Methodological Strategies and Some Findings, *International Small Business Journal*, 11:2, pp. 13-25.

Czarniawska-Joerges, B. (1995) Narration or Science? Collapsing the Division in Organisation Studies. 1995, *Organization*, 2(1), pp. 11-34.

DeBresson, C. and Amesse, F. (1991) Networks of Innovators: A Review and Introduction to the Issues, *Research Policy* (Special Issue), 20(5), pp 363-79.

Drucker, P. (1997) *Innovation and Entrepreneurship*, (2nd revised ed) Oxford, Butterworth-Heinemann.

Dyson, J. (1997) Against the Odds: An Autobiography, London, Orion Business Books.

Freeman, C. (1991) Networks of Innovators: A Synthesis of Research Issues, *Research Policy*, 20:5, pp. 499-514.

Gartner, W. (1989) Who is the Entrepreneur? Is the Wrong Question, *Entrepreneurship: Theory and Practice*, Summer, pp. 47-68.

Gibb, A. (1999) Can we Build Effective Entrepreneurship Through Management Development?, *Journal of General Management*, 24:4, pp. 1-21.

Gibb, A, (1996) Entrepreneurship and Small Business Management: Can We Afford to Neglect Them in the Twenty-First Century Business School?, *British Journal of Management*, 7:4, pp. 309-322.

Granovetter, M. (1985) Economic Action and Social Structure: The Problem of Embeddedness, *American Journal of Sociology*, 91(3), pp. 481-510.

Granovetter, M. (1973) The Strength of Weak Ties, *American Journal of Sociology*, 78(6), pp. 1360-1380.

Hagen, E.E. (1962) On the Theory of Economic Change: How Economic Growth Begins, Homewood, Ill., Dorsey.

Hammersley, M. (1992) What's Wrong with Ethnography? Methodological Explanations, London, Routledge.

Hannan. M. And Freeman, J. (1977) The Population Ecology of Organizations, *American Journal of Sociology*, 82(5): pp. 929-964.

Herbert, R. and Link, A. (1988) *The Entrepreneur: Mainstream Views and Radical Critiques*, New York, Praegar.

Hofstede, G (1994) Cultures and Organisations, Glasgow, Harpers and Collins.

Hornaday, R.W. (1982) Thinking About Entrepreneurship: A Fuzzy Set Approach, *Journal of Small Business Management*, 30:4, pp. 12-23.

Janis, I. L. (1972) Victims of Group Think: A Psychological Study of Foreign Policy Decisions and Fiascos, Boston, Mass., Houghton Mifflin.

Jennings, R., Cox C. and Cooper C. (1994) Business Elites, London, Routledge.

Johannison, B. (2000) Networking and Entrepreneurial Growth, in *The Blackwell Handbook of Entrepreneurship* (Ed.) D. Sexton and H. Landstrom, Oxford: Blackwell.

Johannison, B. (1988) Business Formation: A Network Approach, *Scandinavian Journal of Management*, 4:3/4, pp. 83-99.

Jones, G.R. (1983) Life History as Methodology, in *Beyond Method* (Ed.) G. Morgan, Beverly Hill, CA, Sage, pp. 147-59.

Jones, O. (2000) Scientific Management, Culture and Control: A First-Hand Account of Taylorism in Practice, *Human Relations*, 53:5, pp. 631-653.

Jones O. and Beckinsale, M (2001) Micropolitics and Network Mapping: Innovation Management in a Mature Firm, in *Social Interaction and Organisational Change: Aston Perspectives on Innovation Networks* (Ed.) O. Jones, S. Conway and F. Steward, Imperial College Press, London.

Jones, O., Cabral, C. & Beckinsale, M. (1997) Mature SMEs and Technological Innovation: Entrepreneurial Networks in the UK and Portugal, *International Journal of Innovation Management*, 1:3, pp. 1-20.

Jones O. and Conway S. (2000) The Social Embeddedness of Entrepreneurs: A Rereading of Against the Odds, *Aston Business School Research Paper*, Birmingham.

Kao, J. (1997) The Art and Discipline of Business Creativity, New York, Harper Business.

Kets de Vries, M. F. R. (1977) The Entrepreneurial Personality: A Person at the Crossroads, *Journal of Management Studies*, 14:1, pp. 34-57.

Khandwalla, P.N. (1985) Pioneering Innovative Management: An Indian Excellence, *Organization Studies*, 6:2, 161-83.

Kirzner I. (1973) Competition and Entrepreneurship, Chicago, University of Chicago Press.

Koh, H.C. (1996) 'Testing Hypotheses of Entrepreneurial Characteristics', *Journal of Managerial Psychology*, 11: 12-25.

Kuratko D. and Hodgetts R. (1998), *Entrepreneurship. A Contemporary Approach*, (4th Edition) Fort Worth, Texas, Dryden Press.

Lawton-Smith, H. Dickson, K and Smith, S. (1991) There are Two Sides to Every Story: Innovation and Collaboration within Networks of Large and Small Firms, *Research Policy*, 20: pp. 457-468

Leonard-Barton, D. (1984) Interpersonal Communication Patterns Among Swedish and Boston-Area Entrepreneurs, *Research Policy*, 13:2, pp. 101-114.

Manimala, M.J. (1999) Entrepreneurial Policies and Strategies: The Innovator's Choice, New Delhi, Sage.

McGhee, J.E., Dowling, M.J. and Meggison, W.L. (1995) Co-operative Strategy and New Venture Performance: The Role of Business Strategy and Managerial Experience, *Strategic Management Journal*, 16: pp. 563-80.

McMullan, W. and Vesper, K. (2000) Becoming an Entrepreneur: A Participant's Perspective, *The International Journal of Entrepreneurship and Innovation*, 1:1, pp. 33-43.

Maslow, A. (1954) Motivation and Personality, New York, Harper & Row.

McClelland, D. C. (1961) *The Achieving Society*, Princeton, NJ, Van Nostrand.

Oliver, A.L. and Ebers, M. (1998) Networking Network Studies: An Analysis of Conceptual Configurations in the Study of Inter-Organizational Relationships, *Organization Studies*, 19(4), pp. 549-583.

Occupational Pensions Regulatory Authority (OPRA) (2001) *Pensions Scheme Trustees*, Brighton, OPRA (www.opra.gov.uk).

Powell, W.W. (1990) Neither Market nor Hierarchy: Network Forms of Organization, *Research in Organizational Behaviour*, 12: pp. 295-336.

Power, M. (1991) Educating Accountants: Towards a Critical Ethnography, *Accounting, Organisations and Society*, 16(4), pp. 333-353.

Prior, A. and Kirby M. (1998) The Society of Friends and Business Culture, 1700-1830 in *Religion, Business and Wealth in Modern Britain* (Ed.) D.J.Jeremy, London, Routledge, pp. 115-136.

Rae D. (1999) The Entrepreneurial Spirit, Dublin, Blackhall Publishing.

Rothwell, R. and Dodgson, M. (1991) External Linkages and Innovation In Small and Medium-Sized Enterprises, *R & D Management*, 21:2, pp. 125-137.

Rotter, J. B. (1966) Generalised Expectancies for Internal Versus External Control of Reinforcement, *Psychological Monographs*, 80.

Schumpeter J. A. (1934) *The Theory of Economic Development*, Cambridge, MA, Harvard University Press.

Shane, S.A. (1994) Are Champions Different from Non-Champions?, *Journal of Business Venturing*, 9:pp. 397-421.

Shaw, E. (1998) Social Networks: Their Impact on the Innovative Behaviour of Small Service Firms, *International Journal of Innovation Management*, 2(2), pp. 201-222.

Shaw, E. and Conway, S. (2000) Networks and the Small Firm, in *Enterprise and Small Business: Principles, Practice and Policy* (Ed.) S. Carter and D. Jones-Evans, D., London, Financial Times.

Simpson, R. (2000) Winners and Losers: Who Benefits Most from the MBA? *Management Learning*, 31:3, pp. 331-51.

Starbuck, W. H. (1965) Organisational Growth and Development, in *Handbook of Organisations* (Ed.) J. G. March, Chicago, Ill, Rand McNally.

Stevenson, H. and Sahlman, W. (1989) The Entrepreneurial Process, in *Small Business and Entrepreneurship* (Ed.) P. Burns and J. Dewhurst, London, MacMillan, pp. 99-157.

Stevenson, H. and Gumpert, D. E. (1992) *The Heart of Entrepreneurship*, Boston, MA, Harvard Business School.

Steward, F. and Conway, S. (1998) Situating Discourse in Environmental Innovation Networks, *Organization*, 5(4), pp. 479-502.

Stoner, J. A. and Wankel, J. (1986) *A Discussion on the Nature of Innovators* (3rd edition), Englewood Cliffs, NJ, Prentice-Hall.

Tichy, N., Tushman, M. and Fombrun, C. (1979) Social Network Analysis for Organisations, *Academy of Management Review*, 4:4, pp. 507-519.

Timmons, J. A.. (1999) New Venture Creation, Entrepreneurship for the 21st Century (5th ed), Boston, Irwin.

Van de Ven, A.H. (1996) The Development of an Infrastructure for Entrepreneurship, in *Entrepreneurship: Perspectives on Theory Building* (Ed.) I. Bull, H. Thomas and G. Willard (eds.), Oxford: Pergamon.

Weber, M. (1930) The Protestant Ethic and the Spirit of Capitalism, New York, Scribner.

Wickham, P. (2001) Strategic Entrepreneurship: A Decision-Making Approach to New Venture Creation and Management, London, FT/Prentice Hall.

Wright M, Robbie K. and Ennew, C. (1997) Serial Entrepreneurs, *British Journal of Management*, 8:3, pp. 251-268.