

Delivering Value: The Social Capital of Teams

Trust and reputation emerged in the first session as key success factors for people trying to build bridges across structural holes. This session is about the critical role that teams play in building trust and reputation. Value is created by bridging structural holes, but it is delivered by building a strong team around the bridge. The point was illustrated by the team spirit that Alex Zaffaroni and John Clendenin built among their direct reports. In this session, we'll go deeper into why it was important for them to build team spirit and what it means to build it. Here is a sequence of questions addressed:

I can see many reasons why it would be important for people to trust me, but why do I have to think about it? Why can't I just do my job, and let things like trust and reputation be a by-product of doing a good job?

How does the trust we see between people in a high-performance team work? Where does it come from? What keeps it alive?

With respect to performance, teams are expensive so why assign a problem to a team rather than an able individual? Team spirit is a fine thing, but how is it connected with real dollars and cents performance?

Given the value of teams, how can we implement a "one-company" policy by making the organization into into a cohesive team?

Does personality determine the informal network around a leader, and if it does, what can we do to aid informal networks?

If teams are so valuable, why do the resources go to network entrepreneurs?

Appendices:

I. The Henderson Revolution (pages 14-15, from 1992 Upside)

II. When is Corporate Culture a Competitive Asset? (pages 16-17, from 1999 Financial Times)

For text on this session, see Chapter 3 in *Brokerage and Closure*.

This handout was prepared by Ron Burt as a basis for discussion in executive education (Copyright © 2004 Ronald S. Burt, all rights reserved). To download work referenced here, or research/teaching materials on related topics, go to http://gsb.uchicago.edu/fac/ronald.burt. This handout has benefitted from comments by Tracy Cox, Jay Dyer, ShawnFrench, Pati Lee-Motto, Holly Raider, and Bill Russell.



What is the Risk to Jessica of Trusting Robert?



Situation A Robert New Acquaintance (no embedding) Situation B Robert Long-Time Colleague ("relational" embedding) Situation C Robert Co-Member Group

("structural" embedding)



Where Do Trust and Reputation Come From?

The Glue that Holds It All Together

- **TRUST** committing to an exchange before you know how the other will behave.
 - **REPUTATION** extent to which you are known as trustworthy.

Connection with social capital (authority-driven coordination, cooperation, trust; trust essential to network entrepreneur launching new ideas)

I. Good Behavior as the Source

third parties irrelevant to trust & distrust too slow, too dangerous (see Burt, 1999, below)

II. Network Closure (bandwidth argument)

third parties enhance information and enforcement, and so facilitate trust



Delivering Value, Page 3: The Social Capital of Teams

from Figure 3.2 in Brokerage and Closure



II. Network Closure as the Source

Third Parties Are an <u>Early-Warning</u> System that <u>Protects</u> Nice from Nasty in the Initial Games of a Relationship. Third parties enhance communication and enforcement, and so create reputation costs which facilitate trust. "Bandwidth" argument: more channels of communication create more accurate and rapid communication, so poor behavior is more readily detected and managed.

1985: Granovetter (1985 AJS) on the risk of trust reduced by third-party enforcement (discussed as structural embeddedness, 1992:44): "My mortification at cheating a friend of long standing may be substantial even when undiscovered. It may increase when the friend becomes aware of it. But it may become even more unbearable when our mutual friends uncover the decit and tell one another." (also Tullock, 1985 QJE, pp. 1076, 1080-1081)

1988: Coleman (1988:S107-108 AJS, 1990 book) on the risk of trust reduced by third-party enforcement (discussed as network closure) with respect to rotating-credit associations: "The consequence of closure is, as in the case of the wholesale diamond market or in other similar communities, a set of effective sanctions that can monitor and guide behavior. Reputation cannot arise in an open structure, and collective sanctions that would ensure trustworthiness cannot be applied." E.g., Putnam's (1993 book) explanation of higher institutional performance in regional Italy attributed to the trust, norms, and dense networks that facilitate coordinated action.

1989: Maghribi traders in North Africa during the 1000s, respond to strong incentives for opportunism in their trade between cities by maintaining a dense network of communication links which encouraged them to protect their positive reputations and facilitated their coordination in ostracizing merchants with negative reputations (Greif, 1989 JEH, 1993 AER; applied to medievil merchant guilds by Greif, Milgrom & Weingast, 1994 JPE).







All Colleagues Cited for Substantial Business Contact (12,655 relations;

3,129 cited last year; 9,526 new this year)

All Bankers Who Could Have Been Cited for Substantial Business Contact (118,680 relationships)

Evidence of Trust in Balance with Third-Party Opinion

Delivering Value, Page 5: The Social Capital of Teams **Reputational Performance Systems**: In flattened-down organizations, leader roles are often ambiguous, so people need help diagnosing their situation, and the boss needs help monitoring direct reports. Clendenin in Xerox was an illustration.

Multi-point evaluation systems, often discussed as 360° evaluation systems, gather evaluative data from the people who work with an employee. These are "reputational" systems in that evaluations are the same data that define an employee's reputation in the company. The two variations are (1) systems in which the employee selects assessors, and (2) systems in which assessors select and evaluate colleagues with whom they have had "frequent and substantial business" contact.



Eagle Team

You are assigned the job of managing a team. What kinds of behaviors and language would indicate that the team is a cohesive, strong-culture group? (Webster: Culture is a "set of shared attitudes, values, goals, and practices that characterizes a company or corporation." Can you say shibboleth?)

Give three indicators from what you know about West and Alsing's Eagle team, or Jobs' Macintosh team, or some team in your past, or some historical high-performance team with which you are familiar.*



Team Macintosh



*Stills are from the video shown during the session. The eagle team is described in the Kidder reading (from *The Soul of a New Machine*, 1981). The Macintosh team is described in the in-class video exerpt from *The Search for Excellence* (1988). The team dynamics evident in these two cases can also be found in broader perspective in the Coser reading on the Jesuits and Leninists (from *Greedy Institutions: Patterns of Undivided Commitment*, 1973), and the Greif reading on the Maghribi traders of North Africa in the 1000s (from "Reputation and coalitions in medieval trade," *Journal of Economic History*, 1989).

Delivering Value, Page 6: The Social Capital of Teams



Network closure is associated with reputation, trust, and people feeling good about themselves,

but where is the concrete economic value?



(2.30 t-test, 21 d.f., P < .05)



Two Puzzles Regarding Teams Enhancing Performance:

- **1. Brokers Do Better**
- 2. Groups Are Less Productive than Individuals, But People Feel More Productive in Groups

For more detail on these data, see Stroebe et al., "The illusion of group effectivity" (1992, p. 646, *Personality and Social Psychology Bulletin*). Bars are 25th percentile, mean (grey line), and 75th percentile of data distribution.







Social Capital Hypothesis, Closure: Build for Closure to Cut Costs, Delivering on a Known Value Stream

COHESION — extent to which dense relations bind people together in a group. **LEARNING CURVE** (also known as experience curve) — increased efficiency associated with cumulative volume produced by group (e.g., timing & locating supplies, scheduling, tacit knowledge between colleagues; see references below).

THE ARGUMENT FOR COHESION — With its dense social ties providing wide <u>bandwidth</u> for information flow, cohesion enhances communication and enforcement within a group, (1) which creates reputation, facilitating trust within a group division-of-labor, (2) which enhances performance as people become <u>self-aligning</u> between tasks, pushing one another to <u>extraordinary efforts</u> down the learning curve. The result is lower costs, and so higher productivity.



"Costs characteristically decline 20 to 30 percent in real terms each time accumulated experience doubles. This means that when inflation is factored out, costs should always decline."

Direct Costs per Megawati, Steam Turbine Generators, 1946-1963. Each Dot Corresponds to a Year. The Horizontal Scale is the Total Cumulative Output of the Specific Firm Involved to That Year. source: Confidential Information from General Electric, Westinghouse, and Allis-Chalmers was made available in public records as the result of antitrust Itigation



Associated with BCG and Bruce Henderson (see Appendix I; e.g., 1974, "The experience curve reviewed: why does it work?" reprinted in Stern and Stalk, 1998, *Perspectives on Strategy*), but more with Liberty Ships, e.g., Rapping, "Learning and World War II production functions" (1965, *Review of Economics and Statistics*) and Argote et al., "The persistence and transfer of learning in industrial settings" (1990, 1919, *Psychological Managraphs*). For review of industrial research

Delivering Value, Page 9: The Social Capital of Teams

Management Science). Also see Thurstone "The learning curve equation" (1919, Psychological Monographs). For review of industrial research largely preceding Henderson, see Yelle "The learning curve" (1979, Decision Sciences). See Appendix II on strong corporate culture as a competitive advantage.



Closure creates reputation costs for bad behavior, thereby facilitating trust, both of which move the group down a learning curve to lower costs and so higher productivity,

but the next session is about the destructive forces inherent in the reputation and trust created by closure. *It is productive to ask now whether you could get closure's economic benefits without reputation and trust.*

For example, could you get the same labor and management savings by careful recruitment — say by selecting only committed employees given clear instructions?



THE SUMMARY ARGUMENT FOR CLOSURE: REPUTATION, TRUST, EFFICIENCY

With its dense social ties providing wide <u>bandwidth</u> for information flow, closure enhances communication and enforcement within a group,

(1) which creates reputation, facilitating trust within a group division-of-labor,

(2) which enhances performance as people become <u>self-aligning</u> between tasks, pushing one another to <u>extraordinary efforts</u> down the learning curve.

The result is lower costs, and so higher productivity.

Reputation is the engine. Closure delivers value through peer pressure on reputation within a group (else exogenous shocks disrupt the alignment of even personally dedicated individuals).

Or, in the broader perspective of this and the previous session . . .

Delivering Value, Page 11: The Social Capital of Teams



Strategic Integration across groups

(trappers seek out variation to enhance growth)

- Effect GROWTH through new business products-customers and EFFICIENCY from coordinating interdependent groups where value exceeds cost
- Active Ingredient VISION (like radar on aircraft, MRI in medicine, you better see valuable ideas and adaptive implementation [who to involve or watch])
- Failure Mode ORGANIZATION CHAOS (inefficiency, confusion, agency problems)

For review papers providing detailed discussion of these results and conclusions, go to http://gsbwww.uchicago.edu/fac/ronald.burt Delivering Value, Page 12: The Social Capital of Teams

Tight Integration within group

(skinners drive out variation to reduce risk)

Effect — EFFICIENCY from cost savings in alignment, speed, and labor quality & quantity, and GROWTH through repeat business

- Active Ingredient REPUTATION (concern about one's standing in the group creates labor and self-alignment)
- Failure Mode ORGANIZATION ARTHRITIS (groupthink, agentic state, isolation)



Seven Questions About Leader Networks*

- 1. To build better networks, communicate more (better network = more contacts)
- 2. Everyone should be connected to everyone else (one company \equiv one cohesive team)
- 3. We can't do much to aid informal networks
- 4. How people fit into networks is a matter of personality
- 5. Central people who have become bottlenecks should make themselves more available
- 6. I already know what is going on in my network
- 7. If teams are so valuable, why do the resources go to network entrepreneurs?

Delivering Value, Page 13: The Social Capital of Teams



Appendix I: The Henderson Revolution

by Michael Rothschild

Bruce Henderson certainly didn't look like a revolutionary. No tattered army fatigues. No fiery rhetoric. He favored starched white shirts and pinstripe suits. He spoke softly, in the measured, almost halting, manner of a southern gentleman. But Bruce Henderson had the "right stuff" of a revolutionary — profoundly new ideas that change the way society works. The originator of modern corporate strategy and founder of The Boston Consulting Group (BCG), Bruce Henderson died this summer in his hometown of Nashville, Tennessee. He was 77.

Trained as an engineer, Bruce Henderson became fascinated with economic ideas for terribly practical business reasons. Back in the days before he established the discipline of corporate strategy, making the big decisions about a company's long-term future was pretty much a "seat of the pants" affair. The CEO, with perhaps a few senior executives and board members, would sit around and talk until they came up with a plan that seemed sensible. "Bet-your-company" decisions like launching a new product line, acquiring a subsidiary, or shutting down a factory, were made on little more than intuition.

A rigorous analytical approach to making key decisions was impossible, because there were no guiding strategic principles, no theories that could be turned into quantifiable models. Standard economic models existed, of course, but every sophisticated businessman knew that the economists' mythical kingdom of "perfect competition" bore no relationship to reality. To turn corporate strategy into a credible discipline — and consulting assignments that major clients would pay major money for — Henderson had to find a hard link between business and underlying economic forces.

Henderson's search began with highly detailed analyses of production costs. Early in his career, while a purchasing manager for a Westinghouse division, he wondered why suppliers who produced their goods in virtually identical factories often put in bids at dramatically different prices. Economic theory said it wouldn't happen. Producers using similar capital equipment were supposed to have similar unit costs and offer roughly the same prices. But economic theory was wrong. In case after case, actual unit costs varied dramatically among suppliers. Henderson didn't know why, but he had zeroed in on the crucial question.

Then, in 1966, shortly after he founded BCG, a study for Texas Instruments' semiconductor division revealed the answer. When TI's unit cost data for a particular part was plotted against the company's accumulated production experience, the cost of the part declined quite predictably. For example, if the 1000th unit off the line had cost \$100 to make, the 2000th unit would cost 80% as much, or \$80. By the time the 4000th unit was produced, it would cost just \$64 (\$80 x 80%). Every time cumulative experience doubled, unit costs dropped about 20%. Though it's "old hat" among today's high-tech managers, the notion of predictably declining costs was a radical concept when Bruce Henderson began teaching companies about the "experience curve" a quarter century ago.

(over)



During the 1970s, Henderson's concept became the foundation of modern corporate strategy. For the first time, it was possible to explain why building a factory just like your competitor's didn't mean you could match his costs. If he had a head start in experience, you could wind up chasing him down the experience curve. If you both sold at the market price, he'd make money on every unit, while you'd be lucky to break-even.

Once the experience curve was understood, the importance of being the first one to enter a new market became clear. Properly executed, the preemptive strike could mean long-term market leadership and long-term profits. Similarly, the experience curve explained why defending market share mattered. Raising prices to boost short-term profits sold off market share, slowed experience growth, and often handed over low cost leadership to an aggressive competitor. It's a scenario that's been played out hundreds of times as "experience conscious" Japanese competitors overtook their "profit conscious" American rivals.

Simply put, Bruce Henderson's experience curve explained how an industry's past shapes its future. Where conventional economics banished history by blithely assuming that "technology holds constant," Henderson used the experience curve to show how the new insights generated by practical experience translated into higher productivity and lower costs. Where conventional economics taught the "law of diminishing returns," Bruce Henderson taught the "law of increasing returns." Where mainstream economics taught that marginal unit costs must rise at some point, Henderson showed that marginal unit costs can continually fall.

When the cost/performance potential of a particular technology is nearly exhausted, an industry will shift to a substitute technology and begin a new "experience curve." For example, even as the airlines have shifted from one aircraft technology to the next, their cost/seat-mile keeps falling, opening up air travel to the entire population. By substituting new knowledge for labor and materials, experience-driven innovation keeps pushing costs down. As Henderson put it, when a firm is properly managed, its "product costs will go down forever."

Though he concentrated on the practical problems of clients, Henderson knew full well that the experience curve had undermined the intellectual foundation of mainstream economics. In 1973, he wrote: The experience curve is a contradiction of some of the most basic assumptions of classical economic theory. All economics assumes that there is a finite minimum cost which is a function of scale. This is usually stated in terms of all cost/volume curves being either L shaped or U shaped. It is not true except for a moment in time. . . Our entire concept of competition, anti-trust, and non-monopolisitc free enterprise is based on a fallacy.

I'm often asked whether the work of the great Austrian economist F.A. Hayek inspired me to write Bionomics. Despite my unending admiration for Hayek, the short answer is no, I'd never read him. Bruce Henderson inspired me to rethink the received economic wisdom. Without his "experience curve," there is no final and fully satisfying explanation for falling costs, rising incomes, and the phenomenon of economic growth. More than anyone else, he made it both possible and necessary for economic thinkers to break free of the static, zero-sum mentality that has gripped the "dismal science" for 200 years. Bruce Henderson

Appendix II: Culture Effect in Brief

Strategy" "Mastering series on Financial Times Autumn, 1999 from the

a Competitive Asset? When is Corporate Culture

extent that employees are strongly held together by their shared belief in the culture. Culture is weak to the extent that employees hold widely different, even contradictory, beliefs so as to feel distinct from one another. Culture is to a corporation what it is to any other social system, a selection of beliefs, myths, and practices shared by people such that they feel invested in, and part of, one another. Putting aside the specific beliefs that employees share, the culture of an organization is strong to the

Culture effect in theory

costs corporate economic performance by reducing In theory, a strong corporate culture can enhance

it is socially constructed by them, so employee motivation and morale should be higher than and practices. Moreover, the control of corpo-rate culture is less imposed on employees than ployee uncertainty about the risk of taking in-appropriate action so they can respond more to hear conflicting accounts of the firm's goals effectively brought quickly to events. ibly by friends than by the boss. The firm's goals and practices are more clear, which lessens em-Employees deviating from accepted practice can be detected and admonished faster and less visa corporate culture are an informal control shared beliefs, myths, and practices that define when control is exercised by a superior through tablished employees because they are less likely mechanism that coordinates employee effort There are lower monitoring costs. into coordination with es-New employees are more The

of employees who do not feel comfortable with the corporate culture, employees work harder and for longer hours in an organization with a strong corporate culture. In other words, a strong social employees corporate culture extracts unpaid labor from pursuing a transcendental goal larger than the day-to-day demands of a job, or the exclusion bureaucratic lines of authority. There are lower labor costs. For reasons of pressure from peers, the attraction of

the higher economic performance. Whatever the magnitude of the economic enhancement, it is stronger corporate culture can expect to enjoy higher economic performance. Whatever the "culture effect." These savings mean that companies with a

Evidence is mixed

The most authoritative evidence of the culture effect comes from a study by Harvard Business School professors John Kotter and James Heskett, based on data published in the appendix of their 1992 book, <u>Corporate Culture and</u> to the industry categories in Fortune magazine. firms in a variety of broad industries strong culture are listed for Performance. Measures of performance and a large sample analogous Q

To measure relative strength of culture, Kotter and Heskett mailed questionnaires in the early 1980s to the top six officers in each sample company, asking them to rate (on a scale of 1 to 5) the strength of culture in other firms selected for study in their industry. Three indicators of policies and practices other than those of just the incumbent CEO. Ratings were averaged to been has made a serious attempt to encourage managers to follow them, and (3) the firm has OL. firm for study in their industry. Three indicators of strong culture were listed: (1) managers in the which can be adjusted for the industry average define the strength of a firm's corporate culture. its values known through a creed or credo and way of doing things, (2) the firm has made commonly speak of their company's style managed comparisons according to long-standing across industries

University of Chicago Graduate School of Business, and the Shell Professor of Human Resources at INSEAD. His work describes the social structure of competition: network mechanisms that order

and markets careers, organizations Professor of Sociology and Strategy at the Ronald S. Burt is the Hobart W. Williams

Summary

not. about culture. strong corporate culture can be a competitive asset. Knowing the of an organization merged into your own, and when not to worry in the culture of your own organization, when to protect the culture contingent value of culture can be a guide to deciding when to invest trick is to know when culture is a competitive asset and when it is that in other industries, culture is irrelevant to performance. can be a powerful advantage over competitors. The complication is is to be worried about because in certain industries, a strong culture that could be termed a corporate culture. other companies do well with nothing in the way of shared beliefs inconclusive. Some companies doing well have strong cultures, but the cited evidence is rarely more than anecdotes, and then Advocates speak of corporate culture affecting the bottom line, but Ron Burt explains with empirical evidence how and where So why worry about it? It The а

rating graph below (Graph 1). pharmaceutical firm in the study, 1.07 point above the 3.51 average for pharmaceutical firms benefiting from its strong culture in the rapid recall of Tylenol when poisoned capsules were discovered on shelves. In the Kotter and Heskett so you see the company to the far right of the study, Johnson & Johnson received an average For example, Johnson & Johnson is cited as of 4.61 the highest given to 1.07 points

Relative economic performance is plotted on the vertical axis of the graph. Kotter and and average yearly increases in stock prices from 1977 to 1988. For illustration here, I use average similar conclusions about the culture effect: net income growth from 1977 to 1988, average return on invested capital from 1977 to 1988, Heskett list three measures reported to yield

17.89% rate of return over the decade, but pharmaceuticals is a high-return industry in which 17.89% was slightly below average. so you see Johnson & Johnson below zero on the vertical axis of the graph (17.89 minus 20.2). equals the Johnson & Johnson score of -2.32). The point is the lack of association between return on invested capital. For example, Johnson & Johnson enjoyed a

care, and communications — a total of 30 firms. No extreme cases obscure an association. There is simply no association. The correlation of .06 is almost the .00 you would get if performance were perfectly independent of culture. Kotter and Heskett report a slightly higher .31 correlation across all of their firms, but the economic performance and corporate culture. Graph 1 contains pharmaceutical firms, along with sample firms from beverages, personal are, and communications — a total of 30 firms. 'strong cultures create excellent performance' appears to be just plain wrong." correlation was still sufficiently weak for them to conclude in their book that: "the statement

the corporate culture, **Contingent value of culture** There is a powerful culture effect in fact, but it occurs elsewhere in the economy. Graph 2, at the top of the next page, has the same axes as between performance and culture; the stronger these industries show Graph 1 but plots data on sample companies from other industries — airlines, apparel, motor vehicles, and textiles. The 36 sample firms from the higher the a close association return on

invested capital. The key point is illustrated in Graph 3, which whows a predictable shift from culture being

Communications is at the bottom with negligible -.15 correlation. economically irrelevant (Graph 1) to it being a competitive asset (Graph 2). Nineteen industries from the Kotter and Heskett study are ordered between between performance on the vertical axis of Graph 3 by the correlation at the top of the graph with its .76 correlation cultur and culture. and performance. Apparel is its

"effective" level of competition). The effective level of market competition is high in an industry to the extent that producers show lower profit margins than expected from the network of their transactions with suppliers and customers (for The horizontal axis of Graph 3 is a measure of market competition in each industry. Using data in the public domain (primarily the benchmark input-output tables published by the my 1999 paper on competition and contingency with Miguel Guilarte at the Fielding Institute, U.S. Department of Commerc available for aggregate inc Holly Raider at INSEAD, and Yuki Yasuda measurement details see, under Further Reading, with suppliers and customers (thus the derived from the network effect on available for aggregate industries in most advanced economies), market competition is e; similar data industry are at

culture is not a competitive asset. These are the 30 sample firms in Graph 1 taken from the four complements. Rikkyo University). Graph 3 shows that market and culture are an effectively low level of market competition To the left, where producers face





1999 paper), but the point here is that a strong corporate culture is not associated with economic performance. (My colleague at the University of Chicago, Jesper Sørensen, has studied these firms over time, and describes in his 1998 paper on reliable performance how the culture effect is weaker for firms more subject industries enclosed by a dotted line in the lower-left of Graph 3. These are complex, dynamic markets such as the communications and pharmaceutical industries, in which profit margins are good, but companies have to stay nimble to take advantage of the next shift in the market. There is competition to be sure (see the noncer.





Effective Market Competition within Industry

associated with economic performance. These are the 36 sample firms in Graph 2 taken from the four industries enclosed by a dotted line in the upper-right of Graph 3. In these industries of effectively high market competition, producers are easily substituted for one another, of market competition, culture is closely strong, and margins are low. suppliers, custome ers or foreign producers

Contingency function

contingency function defines an expected correlation on the vertical axis between culture bold line), can be used as a contingency function describing how culture's effect varies with market competition. For any specific level of market competition on the horizontal axis, the increases with market competition. The nonlinear regression line in Graph 3 (the solid performance effect of a strong corpor: Between the two market extremes, te culture the

strength and economic performance in the horizontal axis Since industry scores on the horizontal axis are computed from data publicly available on all industries, the expected value of a strong all industries, the expected value of a strong industries of a strong industry can be Results for a selection of industries are given in corporate culture in any industry can be extrapolated from the contingency function

extrapolating from, the contingency function see my 1994 article on contingent organization with Shaul Gabbay at Technion, Gerhard Holt at INSEAD, and Peter Moran at the London the box to the right. The high correlation for the description of culture's effect in the div markets (r = .85, for details on deriving, function shows that the function is contingency the diverse an accurate and

At the level of individual firms, 44% of the variance in company returns to invested capital can be predicted by the industry in which they primarily operate, and their relative strength of corporate culture accounts for another 23% of the variance. Culture accounts for helf accoun Business School). At the level of individual firms,

valuable, nor always irrelevant. Value is contingent on market. A strong corporate culture can be a powerful competitive asset in a commodity market. In a complex, dynamic strong differences! Thinking strategically about culture Contingent value is the main point here the performance variance described by industry to economic perform market, on the other hand, culture is irrelevant gent value is the main point here. corporate culture is neither alw always 0.8 ⊳

The contingent value of culture can be a guide to thinking strategically about culture. The more your company's industry resembles a commodity market, the more economic return you

company's performance would be higher if a strong culture were instilled. But if the indus-try resembles a commodium and the induscan expect from investing in a strong corporate culture. Further, when you merge with a new company, ask about its industry. If the industry resembles a commodity market and the complex, dynamic market, you are free to integrate the company into your own without concern for performance is some part due to its culture. Or the other hand, if the company operates in a company is irrelevant to performance in such markets. whatever culture existed before because culture attention to the culture already has a strong corporate culture, pay because the company's urt due to its culture. On

assembling results on the performance effects of a strong corporate culture. One selects 10 telecommunication firms for case analysis bepersonal contacts there. cause he worked in the industry, and so has Final illustration: consider two consultants The other consultant good

projects, with a relatively large number of firms for case analysis. selects 10 textile firms. These are two reasonable and interesting

culture effect does not exist, then earnestly (since he has research to support his conclusion) advise client firms against wasting resources on effective level of market competition (the communications industry is to the far left in Graph 3). A strong corporate culture is not a competitive asset in such complex, dynamic industries. This consultant will find no evidence of higher performance in strong-culture firms, will generalize his results to conclude that the institutionalizing a strong corporate culture. first consultant selected an industry There is no need to read their reports. with a low The

generalize her results to conclude that perfor-mance depends on developing a strong corpo-rate culture, then earnestly (since she too has research to support her conclusion) advise cliat the other extreme of the contingency func-tion. Textile producers face an effectively high level of market competition (they appear at the far right of Graph 3). A strong corporate cul-ture is a competitive asset in such industries. rate culture, then earnestly (since she too har research to support her conclusion) advise cl ent firms to concentrate on institutionalizing This higher performance in strong-culture firms, will The second consultant second consultant will find evidence selected an industry <u>c</u> 22

ing reasonable conclusions within the limits of their experience. Nevertheless, all are wrong; simplistic in their ignorance of the contingent value of a strong corporate culture. strong corporate culture. When these consultants approach the same clients, clients will hear earnest, contradictory results, and conclude that the jury is still out on corporate culture. All of these people are draw-

belo contingency function) in the industry between culture strength and economic performance. and Heskett industries are marked with an asterisk (note how similar the predicted corr This is a selection of industries from the 1982 benchmark input-output table published by the U.S. Department of Commerce. Industries are listed in order of the extent to which a strong corporate culture is a competitive asset. The fraction next to each industry is the correlation (predicted by the contingency function) in the industry between culture strength and economic performance. Kotter and Uselowit in the industry between culture strength and economic performance. similar the predicted correlations

ган « garden шасшиегу	From & and a machiner	rurniture (not nousenoid)	"Cnemicals	Machines, materials nandling	Lating & drinking places	Iransportation & warehousing (not airlines)	Electric lighting & winng equip.	Radio, TV & communication equip.	Wholesale trade	*Paper & allied products (not containers)	"Printing & publishing	"Petroleum retining	Construction & mining equipment	Amusements	*Aircraft & parts	stone & clay products	[*] Drugs, cleaning & toilet preparations	Hotels, personal & repair services	Electric, gas, water & sanitary services	Radio & TV broadcasting	*Food (beverages)	Ordnance & accessories	Optical, ophthalmic & photographic equip.	Business services	Iobacco	*Communications (not radio or TV)	Real estate & rental		w are to the correlations in Graph 3 that wer
0.87	0.80	0.79	0.79	0.75	0.74	0.74	0.73	0.72	0.72	0.70	0.70	0.69	0.67	0.66	0.65	0.63	0.62	0.60	0.58	0.58	0.57	0.54	0.53	0.53	0.49	0.49	0.49		e obser
Machines, special industry	Screw machine products & stampings	*Textile goods & floor coverings	*Fabrics, yarn & thread mills	Electronic components & accessories	Glass & glass products	*Apparel	*Airlines	Furniture (household)	Electrical industrial equipment	*Motor vehicles & equipment	Machines, general industry	Footware & other leather products	Household appliances	Engines & turbines	Machines, metalworking	Finance (brokers and insurance)	*Retail trade (not eating & drinking places)	Medical/educat. services & nonprofit orgs.	Jewelry, sports, toys & other misc. manu.	*Food (not beverages)	*Plastics & synthetic materials	*Office, computing & accounting machine	*Rubber & miscellaneous plastic products	*Finance (banking)	Paints & allied products	*Lumber & wood products (not containers)	Scientific & controlling instruments	×	ved in the industries).

Further reading:

Performance Corporate Culture and J. P. Kotter and J. L Heskett (1992)

contingency function," <u>Acta Sociologica</u> 37:345-370. R. S. Burt, S. M. Gabbay, G. Holt, P. Moran (1994) culture-performance network theory: the organization as 'Contingent à and

J. B. Sørensen (1998) "The strength of corporate culture and the reliability of firm performance," (http:// gsbwww.uchicago.edu/ research) ac/jesper.sorensen/

research; also here is the industry appendix from which the results contingency, and the external structure of markets," (http:// gsbwww.uchicago.edu/ fac/ronald.burt/ R. S. Burt, M. Guilarte, H. J. Raider and Y. Yasuda (1999) Competition,

Delivering Value, Page 17: Teams, Cohesion, and Culture

in the box

are taken)

