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4 **APPRECIATIVE INQUIRY IN**
5
6 **THE AGE OF THE NETWORK**
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9
10 Jeffrey Stamps and Jessica Lipnack
11

12 **ABSTRACT**
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14
15 *This chapter is about the relationship between Networked Organizations*
16 *and Appreciative Inquiry. To set a context, Theory about networks is related*
17 *to the expressed needs of Appreciative Inquiry. Stories follow, from both*
18 *appreciative and network perspectives. Ideas are put to work through*
19 *practice as expressed by method – consisting of principles, practices, and*
20 *processes. Further, method is embedded in technology to support functioning*
21 *networks. In research, we look at learning about human systems and suggest*
22 *that online digital places form natural laboratories to collect, analyze,*
23 *and synthesize data. Concluding with Search, we revisit the question of*
24 *consciousness in human systems.*
25

26 **INTRODUCTION**
27

28 In the early years of the 21st century we have passed the “point of no return” in
29 the transition from the Industrial-Bureaucratic Age to the Information-Network
30 Age. This century-long change process was tipped by the sudden coales-
31 cence of the World-Wide Web in the early 1990s, a combination of sufficient
32 computer-communications infrastructure with the invention of the browser and
33 the deceptively simple “link.” With the Internet, the myriad islands of digital
34 technology become irrevocably connected as a globally-networked computer, and
35

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1 with the Web, people connect with people and information anytime-anywhere in
2 a seamless if chaotic global community.

3 Decades before the net snapped into place, networks were recognized as
4 the emergent signature form of organization in the Information Age, just as
5 bureaucracy was for the Industrial era, hierarchy was for the Agricultural, and
6 small groups were for the original Nomadic era (Hine, 1976; Stamps & Lipnack,
7 1982, 1994). As the Information Age has matured, networks have appeared at
8 all levels of organization, from small group virtual teams (Stamps & Lipnack,
9 1997, 2000), to enterprise-spanning teamnets (Stamps & Lipnack, 1993), to
10 inter-enterprise and cross-country distributed global organizations.

11 Appreciative Inquiry arose in the late 1980s in reaction to the problem-oriented
12 logical-positivist science that provided the intellectual foundation for the Indus-
13 trial Era. Cooperrider and Srivastva (1987) generated the idea as an extension of
14 the trend to action-research initiated by Kurt Lewin in mid-century, embracing
15 the “socio-rationalist” approach to science propounded by Gergen (1982). The
16 socio-rationalist views human reality as a constructed social reality immersed in
17 a symbolic universe. Our ways of living and working together are not immutable
18 givens, but rather inventions we create together drawing on shared images and
19 languages. Human social science lives everyday with the effects of Heisenbergian
20 indeterminacy as our “instruments” of investigation and assessment directly
21 influence and help shape the very systems being studied. Thus, in the human
22 domain, theory *becomes* practice. Appreciative Inquiry asserts that the moral
23 choice is to discover and follow positive processes and projected images for
24 the created human future.

25 As awareness has grown that *how* we conduct our search for human knowledge
26 invariably becomes part of the created human reality, it is imperative to examine
27 our method of study and the changes it induces in practice with an eye to *what*
28 direction the social construction can and, most heretically for a science, *should*
29 take. At the same time, as the consequences of our actions synergistically add up
30 to new whole ways of being together, we are obliged to feed back our experience
31 into research and theory to improve our understanding and subsequently enable
32 better and more healthy practice.

33 Appreciative Inquiry and Networked Organizations are more than just
34 coincidentally linked in the epochal transition from one seminal human age to
35 the next. They are mutually entwined in both theory and practice. Cooperrider
36 and Srivastva suggest that action research, in the form of Appreciative Inquiry,
37 supports “the emergence of a more egalitarian ‘post-bureaucratic’ form of
38 organization,” which to us is already evident as the network. Conversely, our
39 experience with networks and virtual teams suggest that the mental models
40 people have and the way they collectively develop and frame their purposes have

1 everything to do with their ability to generate and sustain distributed organizations
2 that are successful in achieving their goals.

3 The ideas we explore in this chapter suggest complementary premises:

- 4 • Networks arise as the natural organizational outcomes of an ongoing Appreciative
5 Inquiry process; and
- 6 • Appreciative Inquiry, recognized or not, under girds the development of
7 successful distributed human organizations.
8

9 Stories illustrating these premises are told in a later section, one recounting the
10 appreciative voyage of the Mountain Forum and its birth of a network, another
11 telling of Shell's use of positive questions to flesh out it's aspirations as a Networked
12 Community.

13 There is practical power in bringing these two conceptual frameworks together.
14 By anticipating the formation of networks, providing appropriate leadership,
15 and supplying environmental nutrients for their development, the remarkable
16 possibilities unleashed by Appreciative Inquiry processes acquire a robust internal
17 organizational infrastructure that sustains the long-term promise of a collec-
18 tively envisioned future. Where the focus is on people creating purposeful and
19 relationship-rich virtual teams and networks, the action-research methodology of
20 Appreciative Inquiry provides a strong and continuously improving developmental
21 process that scales from very small associations to very large interventions.

22 What projects the impact of the application of these frameworks far beyond
23 academic interest is the awesome magnifying effect of digital technology and the
24 burgeoning electronic communications infrastructure. The roots of Appreciative
25 Inquiry in face-to-face interactions, ranging from the gathering of appreciative
26 stories to the remarkably effective Appreciative Summits that literally brings a
27 representation of the whole system into a room for a multi-day launch process,
28 become supplemented and enormously extended as ways are found to do
29 Appreciative Inquiry virtually, particularly in the post-summit period. Indeed, a
30 comprehensive approach to Appreciative Inquiry would combine face-to-face with
31 virtual methods to create a process that included both synchronous (same time,
32 whether face-to-face or virtual) and asynchronous (different time) interactions.
33 And the ability to create new "places" for human organizations to form, grow, and
34 perform online vastly expands the territory that an appreciative engagement can
35 cover. Indeed, with virtual methods, Appreciative Inquiry becomes available to
36 connect and engage the immensely vaster worlds of non-geographically defined
37 groups of people.

38 While we will be co-relating networks and Appreciative Inquiry, our expertise
39 lies in network theory and practice, so our emphasis is on exposing networks to
40 the appreciative community. Our underlying hope is that by knowing more about

1 networks, practitioners will be more successful in helping people create structures
 2 and processes that persist and grow long after the initiating activities, stories,
 3 dreams, and designs fade.

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

One of the primary motivators for the rise of Appreciative Inquiry was the perceived need for theory to inform and guide action research. Cooperrider and Srivastva (1987) call for a “generative theory” that serves as “a means for both understanding and improving social practice.” “Good theory,” they contend, “is one of the most powerful means we have for helping social systems evolve, adapt, and creatively alter their patterns over time.” We concur with this engaged assessment of the role of theory in the life of growing social systems, and have integrated theory with our network research and practice.

As action-researchers, we have engaged as 1st-order participant-practitioners, both in our early experience as part of social-change movements, and later as part of leading-edge business organizations. As 2nd-order action-researchers, we have used the concepts and methods of networking to investigate and understand networks, thus giving rise to theory that could in turn be practiced and tested in the real world. Finally, we started with 3rd-order meta-theory, that there are emergent patterns of organizations that can be understood systemically, to guide our original research. We have continued to refine the meta-theory into a general language of networks that serves in the expression of methods that help people understand and act in networked organizations, large and small.

Network Theory and Appreciative Inquiry

To emphasize their assertion of the importance and power of theory to aid in helping people co-evolve more effective and healthy human systems and societies, Cooperrider and Srivastva (1987) offer five ways theory functions in this role. In each way, network theory not only fulfills its promise in its target domain, but also provides a potential framework for Appreciative Inquiry in its formulation of a theory of “intentional collective action . . . to help evolve the normative vision and will of a group, organization, or society as a whole.”

- (1) *Establishing a conceptual and contextual frame.* The network model, both in its shorthand (People, Purpose, Links, and Time) and its more elaborated taxonomic form, provides a lens for seeing the essential elements of organization, even types that are very difficult to grasp because of their distributed form.

- 1 (2) *Providing presumptions of logic.* Structured on a very common input-output
2 systems model, network theory offers not only the (components + linear
3 process + feedback) logic of systemic construction, but also a checklist of
4 interrelated elements to examine in the context of an already defined whole.
- 5 (3) *Transmitting a system of values.* As a whole, the network model by nature
6 embraces a participatory, engaged, values-oriented approach to organization,
7 as well as providing active elements of purpose and relationship that both
8 define and distribute shared values. Moreover, basic values like trust and
9 integrity are essential for the vitality of the network itself.
- 10 (4) *Creating a group-building language.* Network theory's potency as a shared
11 language for co-construction is illustrated by how well it translates into
12 practice. More personally, in workshops and consulting engagements, we
13 have frequently been told that an important contribution of the model is
14 in providing people a common language for discussing and creating new
15 organizational forms to meet their felt needs.
- 16 (5) *Extending visions of possibility.* In networks, people seem to understand that
17 the means is an essential part of the envisioned end, that how they organize
18 and undertake the journey greatly impacts the quality and viability of the end
19 result. Since the theory embodies a participatory and relatively open-ended
20 process approach, not infrequently people find new possibilities beyond those
21 initially conceived, with sometimes unexpectedly positive consequences.

22
23 At the end of their seminal article, Cooperrider and Srivastva suggest four
24 principles for guiding Appreciative Inquiry research "into the social potential of
25 organizational life." They contend that such research should be:

- 26 • *Appreciative,*
- 27 • *Applicable,*
- 28 • *Provocative,* and
- 29 • *Collaborative.*

30
31 To cohere and exist at all, social systems must necessarily have characteristics
32 of order and life greater than the complementary entropic forces of problems and
33 disintegration. Successful networks must find *appreciative*, positive images of
34 the future in order to create the impetus for formation and the will to sustain
35 and grow. Appreciative Inquiry offers concepts, methods, and experience to help
36 people find the positive core that enables them to form healthy networks.

37 Networks existed in action long before their "discovery" by writers and
38 theoreticians. The theory we have propounded here has been engaged in the
39 real world of *application* since its inception more than two decades ago. It
40 has been tested by thousands of people with whom we have worked directly,

1 and applied by many more thousands who have read our books. As a final
2 assertion of applicability, we have recently embedded our network theory-infused
3 methodology into a web-based technology that serves to help people create and
4 operate in distributed networks and virtual teams.

5 As the emergent organizational form of a new era of human existence,
6 networks are frequently perceived as *provocative* challenges to the traditional
7 way of doing things, which inevitably in the modern world means the status quo
8 hierarchy-bureaucracy so familiar to us all. Networks are by nature provocative
9 now in this turbulent transitional time between eras, but in the long run they will
10 become the new norm.

11 Finally, human networks are in their essence *collaborative*. Indeed, in this time
12 of expansive communications options and increasing recognition of the reality
13 of relationships, collaborative processes like Appreciative Inquiry that lead to
14 co-created social structures will most likely adopt network forms at whatever
15 scale is applicable to the system undergoing change.

16 17 18 *General Systems Theory* 19

20 To understand networks, we have stood on the shoulders of systems.

21 The first breach in the dominant scientific worldview of the Industrial Age
22 occurred with the transformation within Physics from the presumption of
23 immutable Newtonian Laws to the complexities of Relativity and Quantum
24 Mechanics. Even as the most precise branch of science was throwing off
25 the shackles of the classical logical-positivist analytic-only view, the data-
26 impoverished and law-jealous social sciences were building a siloed, bureaucratic,
27 measurement-centric model of theory and practice, most notably in the organi-
28 zational fields by Fredrick Winslow Taylor. What became interesting in social
29 sciences became what could be quantified, much like the Greek myth that tells of
30 searching for a lost object under a street lamp because “that is where the light is.”
31 Unfortunately, most of what’s important to human beings and their associations is
32 not measurable in the classic sense – in the human domain, the qualitative nature
33 of reality overwhelms the quantitative.

34 But measurement is not everything. Even as action-research was arising to
35 counter the “objective,” un-engaged, data-driven paradigm for organizational
36 research and development, a new approach to the disparate, disconnected sciences
37 arose. In 1949, Ludwig von Bertalanffy proposed an integrative approach
38 to knowledge called General Systems Theory (Von Bertalanffy, 1968). Von
39 Bertalanffy’s premise was that common laws could be discerned in the realms of
40 the separate sciences, physical, biological, and social. One example is the logistic

1 growth curve (popularly known as the “S” curve), whose mathematic expression
2 could be seen in phenomenon as different as the formation of galaxies, the growth
3 of bacteria in a petrie dish, and the spread of new ideas in societies. Indeed, this
4 cross-discipline principle underlies the “life cycle,” which is both an explanatory
5 vehicle for the development of human organizations, and the basis of processes
6 and practices intended to help such organizations develop in an effective and
7 healthy manner. And, not incidentally, the Appreciative Inquiry 4-D Cycle of
8 Discover-Dream-Design-Destiny is a variant of the general life cycle pattern of
9 change and development.

10 By the mid-1950s, this idea had given birth to a movement, best exemplified in
11 the formation of the Society for General Systems Research by von Bertalanffy (a
12 biologist), Kenneth Boulding (an economist), Anatol Rapoport (a mathematician),
13 and Ralph Gerard (another biologist). Over the next few decades many of the
14 systems ideas were gradually absorbed into mainstream sciences, such as synergy
15 (the “whole is more than the sum of the parts”) and the organization of complex
16 systems in levels (whole-part hierarchies). But the overarching intention of systems
17 to become the dominant scientific paradigm never caught on in the “hard” sciences
18 that felt that they had all the robust theory they needed, thank you very much. The
19 systems perspective flourished, however, in the softer sciences, which grew up
20 without a firm foundation for theory. While it is far from a universally accepted
21 paradigm, almost every human science discipline has a major school of thought
22 based in systems theory.

23 As the early systems theorists were looking for mathematically expressible
24 lawfulness across disciplines, there soon emerged a wide spread recognition
25 that many of the most important phenomena, particularly in the human domain,
26 could not be rendered in numbers and formulas. Hence, verbal models, common
27 patterns, and “fruitful taxonomies” became legitimate expressions of systems
28 theory. Rapoport’s (1970) soft definition encompasses the very broad range of
29 systems that includes people and their complexities, and it recognizes the role of
30 the human knower in the apprehension of a system: “A system is a portion of the
31 world that is perceived as a unit and that is able to maintain its ‘identity’ in spite
32 of changes going on in it.”

33 As the systems idea has evolved, it has moved from merely recognizing the
34 reality of relationships against the dominant materialist worldview that sees
35 only things, to asserting the ontological primacy of relationships. A half-century
36 after the systems idea was first formulated, a group tasked by the International
37 Society for the Systems Sciences (the successor group to the Society for
38 General Systems Research) to prepare a primer on systems asserted: “Systems
39 thinking’s fundamental concept is the connecting relationship – what things are
40 doing to each other.” They defined systems this way: “A System is a Family

1 of Meaningful Relationships (between the members acting as one whole)”
 2 (Mandel, 2000).

3 Things are as they are related. The world is interconnected and interdependent.
 4 This is the context in which we have understood networks. And this relational
 5 context is also the primal ground of Appreciative Inquiry.

6 7 8 *Network Theory* 9

10 Networks are social systems where relational reality is preeminent in the language
 11 used to express the organizational construct. People naturally form a clear model
 12 of a networked organization as a system of nodes and links based on common
 13 metaphors such as a spider’s web or a fisherman’s net. Our general model of
 14 networks, honed over 20 years iterating through cycles of theory-practice, consists
 15 of four dimensions: People, Purpose, Links, and Time. In brief, networks are people
 16 (individuals and/or groups) interacting interdependently for a purpose over time.

- 17 • *People*, recognized both in the singular as individuals and in the plural as groups,
 18 are the nodes in an organizational network and give the model scalability from
 19 very small groups (of individuals) to humanity-wide associations of countries.
- 20 • *Purpose* expresses the motivation and intent of human groups – what makes a
 21 human system meaningful – and is the articulated resultant of the quest for a
 22 shared vision as people co-create their organizations.
- 23 • *Links* embrace the essential nature of relationships, reaching from very
 24 ephemeral connections like trust and love to very concrete linkages such as
 25 those provided by communications technologies.
- 26 • *Time*, the fourth fundamental dimension, reminds us that human systems are
 27 living systems and not machines, so they arise and persist in time, experiencing
 28 events as marked on a calendar as well as organic processes of birth, growth,
 29 maturity, and death.

30
 31 The next level of detail in the network model reflects a construction that is both
 32 faithful to the needs of theoretical rigor and mindful of the practice consequences of
 33 theory formulation in social systems. Elements of the network model are arranged
 34 in a taxonomy that is structured by the most basic systems framework: inputs,
 35 processes, outputs, and a feedback loop. Because of the common character of the
 36 elements in the columns and rows of the taxonomy, we label this assemblage a
 37 “periodic table.”

38 We have discussed this model in detail elsewhere (see especially Lipnack &
 39 Stamps, 2000), but will elaborate it somewhat by looking briefly at the elements
 40 of one dimension, Purpose.

- 1 • *Goals* are the major components of an overall Purpose, which might be charac-
2 terized as a mission or charter. They are most often generated in conversation,
3 and represent aspiration and intention, the motivation for “flinging ourselves
4 forward” into an uncertain but desired future.
- 5 • *Tasks* are the activities and processes themselves, the transformations inside the
6 “black box” of the system that connect motivating goals with specific outcomes.
- 7 • *Results* are the concrete outputs of intentional activity, and are often contained
8 within goal statements as targets we aspire to hit. They are relatively thing-like,
9 reifications of ephemeral goals achieved.

10
11 While the model is framed to grasp the essential characteristics of networks, it
12 functions more broadly as an explanatory vehicle for all forms of human orga-
13 nizations. Since, in our view, human organizational capabilities are cumulative,
14 meaning that as each new age of human civilization provoked new forms, older
15 forms were subsumed in the new. So characteristics of small groups are included
16 in hierarchy, which is reflected in bureaucracy, and networks encompass all
17 prior organizational forms. This is easily seen in networks where the comprising
18 organizations are themselves dominantly earlier forms, such as military alliances,
19 global associations of countries, or grassroots networks made up of small local
20 groups. So it is essential that a model of networks be comprehensive enough to
21 include earlier organizational forms.

22 23 24 **STORIES**

25
26 The telling of stories is basic to Appreciative Inquiry. Collecting stories that
27 communicate positive possibilities is the essential first step in a transformation
28 process. It is the foundation for (1) Discovery, the first stage of the 4-D Cycle
29 of (2) Dream, (3) Design, and (4) Destiny (e.g. Cooperrider & Diana Whitney,
30 1999). For networks, too, stories play essential generative roles in conveying
31 the underlying purpose and promise to the players in a forming organization,
32 in providing the elements of socialization for new members, and reinforcing
33 relationships through the repetition of common values.

34 In the context of organization, stories historically have been used to support
35 the status quo, archetypically in tribal cultures. Where stories are used for
36 generative or transformative processes, they are often deliberately initiated
37 through questions. With the sociorationalist recognition that the question and its
38 form (if not its medium, as in McLuhan’s “the medium is the message”) impacts
39 what is said and how it is said, means that the responsible practitioner-researcher
40 must carefully choose the general direction where the story-teller is to be led

1 in the process of discovery. Using story-telling in action, particularly in an
2 intentional context such as starting a network or an Appreciative Inquiry, suggests
3 that the discovery process is driven by theory, whether consciously or, as is
4 the usual case, unconsciously.

5 In our six books on networks, we have always combined stories, theory, and
6 practice – and led with stories. Presented early to an audience of readers or listeners,
7 stories help us to believe that there is a “there” there, something worth paying
8 attention to, a reason to follow the discourse into more challenging theory and
9 practice. Two examples illustrate the complementary premises that Appreciative
10 Inquiry and networks are closely interrelated.

11
12
13 *Mountain Forum: An Appreciative Inquiry Story About a Network*
14

15 In the summer of 1998, one of the authors accompanied a UN mission to Asia
16 to study the effectiveness of networks. Among the stops was Katmandu, Nepal,
17 at ICIMOD, the International Centre for Integrated Mountain Development.
18 This intergovernmental organization was founded in 1983 to support sustainable
19 mountain development in the 2100-mile-long Hindu Kush-Himalaya mountain
20 range, which passes through Afghanistan, Bangladesh, Bhutan, China, India,
21 Myanmar, and Pakistan as well as Nepal. In telling this story (2000), we contrasted
22 the vast historical span of communications capabilities represented in ICIMOD’s
23 operations: while it took a month to carry a message to northwestern Nepal, and
24 a month to get a reply, since 1996 the Katmandu office has been connected by
25 a very fast T1 line to the Internet and enmeshed in ongoing global conversations
26 and activities about mountain regions.

27 ICIMOD, we learn from an extensive case study of a successful Apprecia-
28 tive Inquiry process published by Cooperrider and Kathryn Kaczmariski (in
29 [Cooperrider & Dutton, 1999](#)), is only part of a larger story about mountain
30 organizing worldwide and the establishment of a global electronic network to
31 connect the many centers of activity. As regional mountain organizations formed,
32 global mountain issues first became recognized at the Earth Summit in 1992,
33 when a chapter on mountain ecosystems made it onto the world’s agenda. This
34 led to a series of meetings in 1994 convened by the UN’s Food and Agriculture
35 Organization to prepare a global conference on the Mountain Agenda, which
36 took place in Lima, Peru, in February, 1995. Lima was highly successful and
37 underscored the need for an ongoing effort. An Initial Organizing Committee was
38 formed and held its seminal meeting in September of that same year.

39 In the early stages of the organizing meeting, people shared stories and
40 made metaphors about the form of the organization they would like to see

1 emerge. Most notable was the clear articulation of what people didn't want:
2 "no one . . . articulated a vision of a conventional hierarchy: a secretariat with a
3 secretary general, an organization with a large center and physical structure, and
4 so on." However, one theme repeatedly expressed at this and prior meetings was
5 the "need for an electronic information network," making concrete a key intention
6 from the earliest meetings in Lima, which was "to create an ongoing network for
7 information sharing and mutual learning, leading to innovative partnerships to
8 implement actions."

9 When, on the last day of the committee meeting, the organizing form finally
10 snapped into place, it was a network – a coalition of organizations, "nodes," that
11 would bridge the local and global, acting together without a permanent center,
12 where "any organization would be able to communicate directly with another
13 through the network without traveling through any one node." And how would
14 they connect? "The electronic information network would be a primary means
15 of enacting mutual support across geographic and organizational boundaries,
16 advancing the Mountain Agenda through information sharing and connecting
17 all concerned parties." And so it happened. The next year, ICIMOD created its
18 web site and connected to the net – and to all its sister mountain organizations as
19 well as the worldwide community of related groups and individuals interested in
20 mountain cultures and sustainability.

21 Reading the Mountain Forum Appreciative Inquiry story, we saw networking
22 processes at work, the emergence of a network organization, and the symbiotic
23 relationship of the technological support of an electronic network. This is a story
24 about how some of the most marginalized peoples on the planet successfully
25 organized as a network for mutual benefit. Hine (1976), perhaps the earliest
26 observer of networks as the "future socio-cultural paradigm," wrote that this new
27 form was emerging at the two extremes of society, among the poorest social
28 movements and among the richest leading edge global companies. Which brings
29 us to Shell.

30
31

32 *Shell: A Network Story with AI*

33

34 Royal Dutch/Shell is one of the largest and oldest businesses in the world, formed a
35 century ago on a handshake between an English and Dutch company, a handshake
36 that today still remains as the legal foundation of this enterprise. In 1991, Shell
37 Oil Company, the U.S. and largest component of what is known as "The Group,"
38 reported its worst results ever. The reasons were the usual for an old-line company
39 caught up in the rapid change environment of a surging global economy and the
40 emergence of hundreds of niche competitors at every point on the value chain

1 from finding oil to delivering it to your gas tank. What was unusual was Shell Oil's
2 response.

3 Phil Carroll took over as CEO in 1993, and shortly thereafter inaugurated
4 a years-long process known as "The Transformation." The vision was nothing
5 less than to go from the pits to "the premier company in the United States."
6 Recognizing that it was a classic slow-moving, inflexible, not-very-smart
7 hierarchy that was disconnected from the deep knowledge within the organi-
8 zation, the General Executive Office became the Leadership Council, business
9 components reorganized with greater autonomy and more responsibility, and
10 the top 200 senior leaders were convened as the Corporate Leadership Group.
11 A revolution of relationships had begun.

12 Four years later, in October 1997, Shell's planners met with the Leadership
13 Council at a retreat and presented this startling new picture of how the now-
14 successful company had morphed: Shell had gone from owning 100% of the
15 companies in which its assets were deployed, to 34%. It had moved from "control
16 through ownership to influence through relationships." Who were we now, and
17 what are we becoming, wondered the executives.

18 A month later 38 people, from across the company's businesses and diagonally
19 through the ranks from senior management to boilermakers, joined the Leadership
20 Council in a Strategic Initiative. Their mission was to answer four questions and
21 make recommendations for action:

- 22 • How will we learn?
- 23 • What will it mean to be part of the Shell family?
- 24 • How will we develop our people?
- 25 • How will we govern?

26
27 These questions were very positive and approached in an appreciative way.
28 They were focused not on solving problems but in choosing how to attain
29 a desired future. So a process of discovery was inaugurated, and sub-teams
30 were formed around each question. Interviews throughout the company were
31 conducted and dialogues held. An additional group of 90 people were assembled
32 to act as a sounding board for the Strategic Initiative Team, an assemblage that
33 included members of Shell's larger community such as spouses, the local school
34 superintendent, and suppliers.

35 When the group reconvened at its midpoint meeting, where we began our
36 involvement as consultant-participants, there was wide agreement that Shell
37 had become what they termed a "networked community." Stories were told of
38 how networks and multi-party win-win partnerships had transformed opera-
39 tions and improved results. The conviction grew that Shell should embrace
40 this new reality and become more conscious about its evolution towards the

1 post-hierarchical-bureaucratic form. Information from the “discovery” phase
2 was brought into the meeting with a process that proceeded from “dream”
3 to “design” over three days. The question-based sub-teams reorganized to
4 formulate integrated recommendations and to develop a “Network Community
5 Fieldbook.”

6 Two months later, a 7-point path to Shell’s “destiny” was presented to the
7 Leadership Council. Approval on the spot was a simple matter, since the Council
8 had been part of the development process. Enactment started immediately, as
9 each recommendation was assigned to one or more of the senior executives
10 to sponsor. However, this was not a top-down-only change processes. The
11 recommendations had been embedded in a practical action-oriented fieldbook
12 that explained the “whys” and “hows” of the development of the networked
13 community. The intention was to equip people throughout Shell with the
14 information they needed to take action themselves to grow towards the enter-
15 prise vision. Team members knew that the work of transformation required
16 thoughtful effort by people throughout the company, not just by people in the
17 executive suite.

18 Shell did not call its process Appreciative Inquiry, but it was. It started with the
19 use of questions, elicited stories, and followed a process that closely resembled the
20 4-D Cycle. Perhaps the most significant similarity is the fundamental assumption
21 about the positive, essentially good, nature of people and the organizations they
22 form. Shell believes in its people and knows it has a positive core.

23
24

Our Network Story

25
26

27 Our own appreciative inquiry story bridges narrative, theory, and practice. In the
28 late-1970s, we decided to go looking for “networks.” We were driven by a vision
29 to discover a form of organization beyond hierarchy-bureaucracy. There had to be
30 something better.

31 Our voyage of discovery was framed by a systems theory (Stamps, 1980) that
32 posited that there were common patterns of organization in human systems, and
33 that human systems evolved over time. Where to look for new forms, however,
34 was directed from the heart.

35 The original field of discovery was populated by the wildly proliferating
36 non-profit and grassroots organizations that arose during the turbulent 1960s and
37 1970s, groups and movements like those that we had helped form, sustain, and,
38 in many cases, become disillusioned with over the course of two decades. As
39 practitioners, we were immersed in the new form of organization, vaguely knew
40 it (thus feeding our intuition), but needed to step up a level to truly grasp it.

1 For our first book, *Networking* (Lipnack & Stamps, 1982), we employed a net-
2 working strategy. We wrote to nine people whom we knew to be richly connected
3 networkers, asking them about networking and requesting names of people and
4 groups to contact. We started writing people and asking: “Are you a network or do
5 you perform a significant networking function?” We asked for their stories and for
6 artifacts, like missions, white papers, action plans, brochures, and other tangible re-
7 flections of their networking intentions and efforts. And we asked for more names.

8 The process snowballed. Over eighteen months we had received the names
9 of 50,000 people. We wrote to 4000 of them and, using a “cold-call” letter, we
10 had an astonishing response rate of 40%. *Networking*, which was sub-titled “The
11 First Report and Directory: People Connecting with People, Linking Ideas and
12 Resources,” featured these 1600 groups not only as stories in the body of the text,
13 but as entries in a directory that comprised half the book and gave description,
14 keyword, and contact pointers to networks – what we hoped would be of service
15 both to readers and to the organizations profiled in our book. These networks
16 were grouped into seven interest areas, each reflecting a vision of a better, more
17 life-affirming world:

- 18 • Health and the Life Cycle,
- 19 • Communities and Cooperatives,
- 20 • Ecology and Energy,
- 21 • Politics and Economics,
- 22 • Education and Communications,
- 23 • Personal and Spiritual Growth,
- 24 • Global and Futures Networks.

25
26 Our systems perspective, which led us to see the common network patterns, also
27 led us to construe all of these groups as representing a much larger collection of
28 networks and together comprising an encompassing inchoate meta-network, which
29 we called “Another America” (Lipnack & Stamps, 1986).

30 Much to our surprise, we got a very strong reaction from a number of
31 businesses, particularly global companies that were early adopters of computers
32 and the then-new network technologies that were used to connect resources
33 internally. For the next decade we worked as consultants with programs and
34 teams spread around the world, trying to use the still clumsy, expensive, and
35 limited connective technologies. As consultants, our mode of interaction was to
36 become participant-facilitators, members of teams with the role to help support
37 its leadership and life-cycle processes, particularly the formative stages. When we
38 resumed writing in the early 1990s, our stories and examples came predominately
39 from the for-profit sectors, especially those leading edge global companies who
40

1 had consciously undertaken change processes that moved them from traditional
2 hierarchy-bureaucracy to flatter, relatively decentralized, more participative, more
3 flexible, and faster-changing organizations.
4

6 PRACTICE

7

8 Since we met and began working together more than 30 years ago, we have
9 chosen a path of action and thought, to be both researchers and practitioners.
10 From the sociorationalist perspective, it would be impossible to be a researcher
11 and not impact the systems being studied, whether desired or not. So, better to
12 be aware of our co-created reality and consciously chose the direction we hope
13 our engagement will lead, while also making our biases and intentions as clear as
14 possible to others.
15

16 *From Theory to Practice Via Method*

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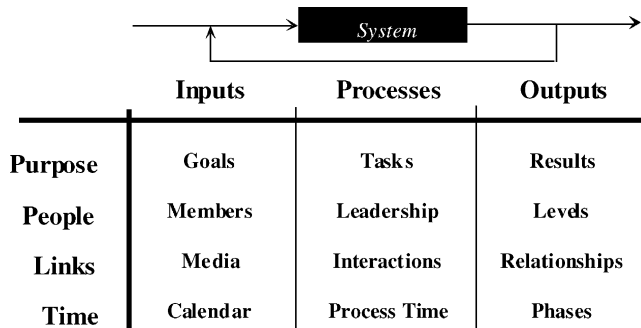
18
19 Method provides the bridge from theory to practice. It includes *principles*,
20 *practices*, and *processes*. While theory offers the lens to see social reality, method
21 actually embodies the construction kit people use on an everyday basis.
22

23 *Principles* arise from the repeated application of theory in practice. What
24 works survives and modifies the next use of the principle. What we have learned
25 about what works in applying the elements of the model are reflected in the
26 verbs we use to render the elements actionable. Hence, at the high-level of the
27 four dimensions:

- 28 • Clarify *purpose*,
- 29 • Identify *members*,
- 30 • Establish *links*, and
- 31 • Live *time*.

32 At the next level of model detail (see Fig. 1), adjectives reflect qualifying char-
33 acteristics that we associate with good (i.e. effective, efficient, and value-driven)
34 networks. So, for the exemplary dimension of Purpose, we have found that
35 successful networks clarify and articulate their purpose into:
36

- 37 • Cooperative *goals*,
 - 38 • Interdependent *tasks*, and
 - 39 • Concrete *results*.
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Fig. 1. Periodic Table of Organizational Elements.

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Practices are the accumulated wisdom of advice, warnings, tips, and techniques that experienced practitioners share with one another. Sharing of best practices is typically an informal process, but increasingly organizations are looking for formal ways of capturing and making available at least some of this largely tacit knowledge. People who have facilitated and/or led many Appreciative Inquiry processes, networks, virtual teams, or had repeated experience in any professional endeavor, know and apply many practices that help them in the next unique situation, only some of which are explicitly shareable.

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Generative principles lead to practices, which express the trial-and-error hypothesis-testing activities that lead back to improved principles and, eventually, more robust theory. This social-scientific process only works if the practitioners are aware of their complementary roles of active participants and reflective thinkers. It is all too easy to adopt practices as “the way we do it” and not subject them to critical assessment as to their efficacy.

38
39
40

From an applied point of view, principles represent strategy, while practices represent tactics. For example, one network principle asserts that “cooperative goals” are key to a successful collaborative organization, so the strategy for group development would include helping a group formulate a set of goals that emphasize common areas of aspiration rather than competitive conflict. Conversations, activities, processes, and techniques used to elicit and make explicit cooperative goals are in the realm of practices. Where the admonition to seek cooperative (rather than neutral or competitive) goals is relatively general, the set of practices that will work in a particular circumstance are pulled from a larger set of possible approaches, and are often further adapted on the fly.

Processes reflect patterns of action over time. While different networks and virtual teams reflect the use of many different processes that flow from their type (e.g. community of practice, strategic alliance, product development program)

1 and/or sector (e.g. manufacturing, financial, NGO), a process common to all
 2 organizations is the life cycle – human groups have beginnings, middles, and
 3 ends. In ongoing organizations (which from a long view are, of course, always
 4 embedded in a life cycle, even if we cannot recognize it), change and renewal
 5 processes follow the familiar “S” pattern of development.

6 Our experience in working with dozens of organizations that utilize formal life
 7 cycle processes (archetypically for new product development) is that everyone cuts
 8 the “S” curve into different stages and has a generally home-grown nomenclature
 9 that suggests a uniqueness in their process that is often unwarranted. Our practice
 10 in using the cross-systems life cycle pattern has resulted in a 5-phase process
 11 model with standard labels. In any particular application, we re-cut and re-name
 12 the phases to fit the circumstances.

13 For Appreciative Inquiry, the 4-D Cycle can be mapped onto the more
 14 general life cycle model. The 4-D stages are concentrated in the early and
 15 mid-portion of the life cycle. As with any real-world organizational application,
 16 the process model describes an approach both for the overall development of a
 17 group/network/organization and a design strategy for events within that overall
 18 development – such as a 4-day Appreciative Inquiry Summit (launch event), that
 19 uses the 4-D Cycle to structure the program schedule.

20 In our experience, the standard “S” curve is not necessarily a smooth one.
 21 Practice has taught us that there are predictable points of turbulence in this
 22 process, not surprisingly, given the theory, at the two inflection points of the
 23 logistic growth curve (Fig. 2).

24 Using our standard 5-phase rendition of the life cycle, we map the 4-D Cycle
 25 onto the generic logistic growth process, using descriptive terms associated with
 26 the development of teams.

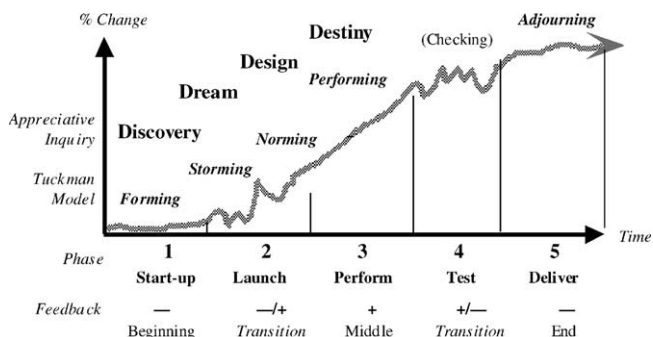


Fig. 2. Logistic Life Cycle with 4-D Stages.

- 1 (1) *Startup*. This initial phase can be very long as initial information is gathered,
2 people recruited, purpose explored, and, above all, resistance encountered
3 and overcome. In Appreciative Inquiry, this is the *Discovery* phase, including
4 selling the idea, finding and training interviewers, and collecting the primary
5 data, the stories.
- 6 (2) *Launch*. The second phase of development is usually much shorter but
7 predictably turbulent as a critical mass of the organizing members gather
8 to agree on the vision, hash out the initial purposes, settle some key roles,
9 create an organizational framework, and, most importantly, generate the
10 momentum to carry the group into the next phase. The stages of *Dream* and
11 *Design* bracket this phase, with dreams of “what might be” leading into the
12 launch, with the co-constructing design of “what should be” coming out of
13 the launch event(s).
- 14 (3) *Perform*. This phase is often the bulk of the life cycle. With a successful
15 launch and plan, this is where the “real work” gets done. The system
16 dynamic is of accumulating positive feedback. Progress races up the long
17 handle of the hockey stick. For 4-D, this is the *Destiny* stage, where the
18 emphasis is on sustaining the evolving organization and “how to empower and
19 adjust/improvise.”
- 20 (4) *Test*. Unfortunately, progress is not forever. The growth curve begins to reach
21 its maximum. The process runs into challenges from within and without, a
22 second point of predictable turbulence ensues before results are delivered or
23 a new level of stability is established. For the most part, Appreciative Inquiry
24 does not, and most applied development processes do not, recognize this
25 downstream stress point.
- 26 (5) *Deliver*. The concluding phase is the endgame, the conclusion for a temporary
27 group, or a new plateau of stability for an ongoing organization. Results are
28 delivered, information and learnings exchanged and archived, and successes
29 celebrated. As a practice, the 4-D process does not focus much on endings.
30 It is too busy with beginnings.

31 32 33 *Embedding Methodology in Technology* 34

35 Part of what defines us as human is our creation, use, and refinement of tools.
36 Our tools have coevolved with our civilizations, economies, and organizations. For
37 many who have looked at the grand sweep of human evolution and perceived major
38 transitions in the human condition – which we have characterized as the nomadic,
39 agricultural, industrial, and information eras – it is our tools and technologies that
40 drive the change from one era to the next, as the very names of the eras suggest.

1 In the early stages of each new age, technologies lead, even force, epochal
2 changes while organizational structures are slow to adapt. But change they do,
3 engendering a momentum in the change process that enables the promise of
4 the era to unfold on a large scale. Consequently, in the early stages of the next
5 transformation, organizational patterns tend to persist and resist. In the current
6 transformation, technological diffusion and cultural-economic globalization has
7 pushed change to the point where a shift to new patterns of organization is
8 likely and necessary. How and when emergent forms of organization become
9 the dominant form will ultimately define how successful this new era of
10 humanity will be.

11 Organizational networks have emerged with the development of network
12 technologies. It is a happy coincidence (in our view) that the same word –
13 network – is applied to the new technical systems of connectivity and to the
14 new human systems of relationships. On the very big planetary scale, it is
15 computer-based digital technologies, including digital communications media,
16 that are transformative and driving the era-level change. The new given is the
17 ability to connect anyone anywhere anytime, notwithstanding political and
18 poverty barriers.

19 On a small scale, we are still very much learning how to converse, share
20 interests, and work together using the new technologies. To date, most col-
21 laborative technology has been a collection of utilities supporting document
22 management, online discussions, application sharing, chat, instant messaging,
23 and the like. What has been missing is an understanding of and a methodology
24 for organizing and working together virtually that is seamlessly integrated with
25 the technology.

26 As a natural extension of our desire to help people develop effective networks
27 and virtual teams, we have created an application on top of a major groupware
28 platform that embeds our methodology in software (NetAge, 2002). This tool –
29 which creates an online place for the formation, development, and sustaining of
30 networked organizations – reflects all aspects of our method.

31

- 32 • The network model and *principles* underlie the interface architecture of the online
33 “room” and the resulting navigation system. The six-sided room has “walls” with
34 themes that include the four dimensions of the model. So, for example, you go
35 to the People Wall to learn who is a member, their role, contact information,
36 level of involvement, and other people-related material. Tools associated with
37 the wall help a group develop and display key data about itself.
- 38 • *Practices* are embedded in the application through menu choices, help systems,
39 and other content sources. For instance, the principle of making explicit
40 operating agreements is supported by menu choices of suggested areas for

1 agreements, and a help system and other material that gives examples of
2 specific agreements that have worked for other groups. And, of course, the
3 online discussion and knowledge management features allow a community of
4 practitioners to ask questions, engage in dialog, and catalog best practices.

- 5 • Life cycle *processes* are enabled through a set of tools designed to support
6 teams in each phase of their development, as well as to function in a planned
7 sequence of process steps, particularly in the startup and launch phases. Other
8 processes that sustain virtual organizations, particularly meetings, are conducted
9 in areas designed to enable good meeting practices while utilizing the power
10 of both synchronous (e.g. con call, web conferencing, or even face-to-face)
11 and asynchronous (e.g. threaded discussions, the persisting web room) media.
12 Detailed transactional processes can be facilitated through a workflow capability
13 that routes work objects (e.g. documents) through a network of people following
14 a prescribed logic.

15
16 These methodology-infused technologies are at today's leading edge for supporting
17 networks and virtual teams. But tomorrow, they will be widespread. We would
18 expect to soon see the configuration of collaboration systems to specifically meet
19 the needs and possibilities of Appreciative Inquiry.

20 21 22 **RESEARCH** 23

24 Being human systems scientists is tough in an intellectual environment still infused
25 by the glow of Enlightenment scientific ideals. In a nutshell, this is the belief that
26 in a "good" science, objective observers conduct value-free research leading to
27 the discovery of immutable natural laws and absolute truth of a reality existing
28 entirely separately from people and their humanness. To confirm the correctness
29 of this set of assumptions and the connections between them, the "best" sciences
30 create descriptions of the world from pure theory, then test the conclusions through
31 repeatable experiments that by confirmation (or lack of it) enhance the theory and
32 scientific progress is advanced.

33 From human systems and sociorationalist points of view, subjective scientist-
34 participants engage in value-infused actions that lead to the discovery of
35 relatively-true models and principles of a co-created, lived, and constantly
36 changing human reality. While the meta-theoretical assumptions of these two
37 scientific worldviews are sharply different, many aspects of the scientific program
38 are common and continue to provide a powerful platform for seeking knowledge.
39 Three such characteristics are: explicitness, openness, and community. To make
40 scientific assertions, hypotheses, research protocols, and data must be made

1 explicit, insofar as possible. Scientific research must be open to permit testing,
2 critical evaluation, and repeatable outcomes. And, the final arbiter of the validity
3 of specialized knowledge is the peer community of interrelating scientific experts
4 recognized in the field.

5 We will look briefly at the potential Appreciative Inquiry-Network research
6 program through lenses of people, data, and theory.

7 8 *We are the System* 9

10 One of the most fundamental challenges to Industrial era science came from
11 Werner Heisenburg's demonstration of the "Principle of Indeterminacy." He
12 showed that at subatomic levels, the observer's instruments of investigation
13 (e.g. light) so influenced what was being observed, most particularly the impact
14 of light "particles" (photons) on the subatomic particles being studied, that
15 efforts to control one dimension (such as speed) increased the indeterminacy of
16 measurement in another dimension (such as location). While this insight was an
17 extremely important part of the scientific revolution in Physics, the subatomic
18 micro-truth of uncertainty seems to have little impact in the human macro-world,
19 where approximate Newtonian principles work well in practice, as in engineering.

20 But in the world of human systems, the human observer is of the same scale,
21 within a few orders of magnitude, as the observed human system, particularly
22 small ones. Thus the impact of scientists and instruments is very much at a
23 macro-level. We live socially at a level where more control in one dimension
24 leads to more indeterminacy in some complementary dimension. Moreover, it
25 is relatively impossible to bring human systems into the classical laboratory
26 insulated from external influences. As disappointing as it is to try to "bring"
27 a small group into a lab to observe its "normal" behavior, the stretch quickly
28 becomes impractical as larger human systems are considered. Finally, by its
29 connected nature, a virtual, distributed group, large or small, cannot be located in
30 a traditional laboratory.

31 However, the "problem" of indeterminacy only appears as such from a
32 deficit-oriented perspective and against a background of antiquated assumptions
33 of objective, analytically-parsed, values-free, absolute knowledge. What are the
34 "possibilities" of indeterminacy and human involvement in a scientific approach
35 to human systems? Some benefits to a positive approach are:
36

- 37 • Human theory would be more closely aligned with human reality;
- 38 • Recognizing and accepting that engagement leads to a built-in feedback loop
39 between theory and practice and provides for the rapid diffusion and application
40 of knowledge in the real world;

- 1 • Engagement denotes acceptance of the reality of values and thus implies a
- 2 responsibility to consciously choose the value framework of the scientific
- 3 enterprise;
- 4 • Indeterminacy leads to a respect for open systems and an irreducible element
- 5 of awe and wonder in the mystery at the heart of sentient life; and
- 6 • Eventually, the prevailing scientific ethic moves from “knowledge for
- 7 knowledge’s sake” to “knowledge for human betterment.”

8 9 10 *Human Systems Data and Containers*

11
12 Human social systems are “something more” than the sum of their human parts,
13 people. The “more” lies in extra-individual characteristics like the system-level
14 emergent properties generated through relationships among members and the
15 motivating vitality of shared purpose and community. Data about collective reality
16 lie in information objects – such as stories, dialogues, and documents – and in
17 transaction records of activities that shine light on “invisible” relationships.

18 While we have a grasp, however imperfect, on how to understand ourselves as
19 individuals, we have no generally agreed upon means for “grasping” ourselves
20 as groups. Lacking a laboratory for collecting collective data and recording
21 transactions, we have found no container, no systematic and categorically clean
22 way of apprehending social reality scientifically.

23
24 Until now: With computers, the net, and the web, digital technology offers a newly-viable
25 environment for doing action-oriented human systems science.

26 Consider virtual teams and networks that live some portion of their collective
27 life online. In self-constructed web containers, which we have called “rooms,”
28 information objects of all sorts are collected and generated. Whenever inter-
29 actions between people or between people and information happen through
30 online media, that interaction is logged (or is capable of being recorded). For
31 really-existing virtual organizations, the workplace is naturally the laboratory, a
32 fully-wired container for group objects and interactions. Because of the digital
33 nature of the place, there is no limit to size, nor is there a prejudice against
34 distributed groups.

35 Such facilities are only now coming online for substantial numbers of people.
36 The relative amount of meaningful group interaction or information exchange that
37 happens online is small but growing. At some point, enough group reality will
38 be expressed through the digital medium to constitute the basis for increasingly
39 sound research. And, since these are living environments, the loop from research
40 to practice can be immediate, particularly for localized tactical adjustments.

1 With larger communities of self-researching human systems, the path from
2 theory-to-practice-to-data-to-theory may be rapidly iterated and the consequences
3 for improvement fed quickly back into the participating systems.
4

6 *Integrative Theorizing*

7

8 Analysis is the modus operandi of the deficit-oriented, problem-centered
9 Industrial approach to science. Synthesis, essential to the emerging systems-
10 oriented sciences, is not the antithesis of analysis, but rather includes analysis
11 and adds an integrative ingredient to interpretation and theorizing. Since the
12 data collected through online containers can quickly become a flood of bits,
13 methodological tools must be built into the digital place to enable people to make
14 meaningful use of the information.

15 Fortunately, there are many social science approaches being developed that
16 embrace analytic detail and provide useful integrative outcomes. Two examples:

- 17
- 18 • A Values Science of assessment and development (e.g. Brian Hall, 1994, 2000)
19 that provides methods to measure individual and collective values within a human
20 system through survey instruments. Hall has also developed complementary
21 methods for digitally processing the content of a group's information objects to
22 determine the pattern of values expressed through the shared record. Feeding
23 values information back to people enables them to go from a base of "what is"
24 to consider the constellation of values to which they aspire, to "what should be."
25 Knowledge and method together provides ways for the values of human systems
26 to shift and evolve.
 - 27 • Social Network Analysis (e.g. Wellman, 1997) provides methods for doing
28 surveys and analyzing transactional data to find "hidden" network patterns of,
29 for example, influence within an organization. Such networks of influence can
30 be compared and contrasted with the overt, formal networks of hierarchical
31 power represented by the typical "tree" organizational diagram. Revealing
32 patterns of influence to the system of course immediately influences those
33 patterns, and may lead to changes in the overt structure.

34 Methods such as these would be immensely valuable to Appreciative Inquiry.
35 A values analysis of appreciative story content, as well as other organizational
36 expressions of its core self, offers a standardized view of this subjective data
37 to supplement the active and engaged interpretation that arises through dialog
38 about the stories. Using a normalized framework of cross-organizational, cross-
39 cultural values as developed by Hall and others, allows comparison of discovery
40 information across instances of Appreciative Inquiry.

1 Social Network Analysis would not only provide a map to guide the discovery
2 phase, but also suggest the most fruitful places to ask questions with impact.
3 Research that acknowledges and takes responsibility for the changes engendered
4 by the scientific process needs to know how information and influence really flow
5 in human systems.

6 7 8 **SEARCH** 9

10 To do re-search, you must have an idea of what you are searching for or looking
11 at. It is a founding premise of the sociorationalist perspective that scientific
12 worldviews act as primordial preconceptions that bound the search for truth.
13 We “see” what we already think “is.” Ontology (what is real) is interdependent
14 with epistemology (how to know the real). Scientific revolutions are marked
15 by new ways of seeing (Kuhn). New lenses and conceptual frameworks reveal
16 previously “hidden” realities and open up large new territories for the exploration
17 of knowledge.

18 19 20 *Human Systems Are* 21

22 Appreciative Inquiry assumes the entitvity of social systems, most specifically
23 of organizations. If organizations were not really real, it would be meaningless
24 to search for a “positive core.” Without the assumption of systemic coherence,
25 it would be pointless to engage in collective data gathering, convene groups
26 to interpret the data, or take responsibility for influencing the co-creation of
27 organizations by their members.

28 From the earliest conceptions of system science, there has been an acceptance
29 that truly cross-system principles would include the social disciplines as well
30 the established scientific fields of physical and biological sciences. This belief is
31 shared by people from all the major sources of modern systems thought: General
32 Systems Theory (e.g. especially Kenneth Boulding), Operations Research (e.g.
33 Herbert Simon), and Systems Dynamics (e.g. Jay Forrester).

34 The given that social systems are ontologically real is only the first step in a
35 useful foundation for knowledge. What kind of systems are social systems? To
36 the Industrial mindset, the answer was obvious – organizations are machines,
37 constructed artifacts built to last and fixed as needed. Even the most devout socio-
38 rationalist often uses the mechanistic language of construction to refer to the way
39 people create their organizations (e.g. Gergen, *An Invitation to Social Construction*,
40 1999). When we are being especially careful, we treat our organizations as “living

1 systems,” taking advantage of all the organic language attendant to the use of
2 biological metaphors.

3 There is a third view, one we have quietly inserted into this discussion – that
4 social systems are *human* systems (see [Stamps, 1980](#), for comparison of the
5 Mechanistic-Organic-Human paradigms). The argument is simple: since the
6 components of social systems are human, then the resultant system is human.
7 That is, a system is at least as complex as any of its constituents, and it is an
8 unacceptable simplification to comprehend social systems by evolutionarily less
9 complex physical and biological models.

12 *Are Human Systems Conscious?*

14 Are human systems conscious? Is there a “group mind?” This issue has been
15 the “third-rail” of social science theorizing for most of this century. Early
16 in the formative decades of analytical social sciences, such speculation was
17 routinely and loudly rejected as “anthropomorphic” and “metaphysical,” redolent
18 of the pre-Enlightenment scientific dark ages. As organizational development
19 practitioners would say, consciousness has been the un-discussible “elephant
20 in the room.”

21 Social systems arise from interacting people. Regarding the intensely symbolic
22 nature of groups, one might say, along with [Cooperrider and Srivastva \(1987\)](#), that
23 organizations result from “interacting minds.” For systems generally, emergent
24 wholes inherit the characteristics of their parts, and generate “something more.”
25 Given the conscious nature of its parts, the leap to conscious human systems is
26 short indeed.

27 Why is it important to recognize the conscious nature of our human systems?
28 Some reasons:

- 30 • First and foremost is the integrity of the scientific search for truth. We can’t know
31 what we can’t see, or be permitted to see. We must be willing to see things as
32 they are in order to progress beyond convenient myths about our social condition
33 together.
- 34 • By accepting the degree of complexity and mystery that accompanies the use
35 of mental metaphors for understanding organizations and societies, we are
36 better positioned to develop knowledge from a solid base than by obscuring
37 simplifications.
- 38 • Awareness of group consciousness and using a Mind Metaphor points us to
39 the fundamental importance of understanding the symbolic, informational, and
40 communications-infused relational human universe.

- 1 • Alongside the Mind Metaphor would be renewed attention to the Brain Metaphor
2 and the complementary role of concrete communications media in the evolution
3 of human organizations (i.e. the analogy of connective technology infrastructures
4 with the human nervous system), and the revolution inevitably unleashed with the
5 development of new communications technologies – and in particular the current
6 evolutionarily dramatic leap from analog to digital media and processing.
- 7 • Individual consciousness is by no means well understood, and we are far
8 from an agreed upon way to conceive it, to say the least. Recognizing the
9 probable existence of group consciousness and searching for systematic ways
10 of representing and testing it may redound to the benefit of understanding
11 consciousness generally and ourselves as individual mental beings.

12 The search is on for viable models of consciousness that include both indi-
13 vidual and group domains. One example in the field of Appreciative Inquiry
14 comes from Gervase Bush (1999). He uses the consciousness metaphor to
15 contrast relatively conscious formal, “official” organizational meetings and
16 artifacts from the relatively unconscious “inner dialogue” reflected in informal
17 conversations and stories. We have suggested (2000) that the cross-cultural
18 “category-image schema” approach to individual consciousness (e.g. Lakoff,
19 1987) can be fruitfully applied to understanding group consciousness. In both
20 cases, such speculation informs the design of tools and processes to support and
21 improve organizations.

22 The really big benefit, however, is improving our organizations for the
23 betterment of humanity. By recognizing group intelligence, we can search for
24 ways to improve that intelligence, to improve learning together, and to improve
25 our collective outputs. Of course, smarter groups may not be better groups in the
26 ethical sense; after all, networks are values-based organizational forms that can
27 be used to support peace or terror, change or tradition. But while there may be
28 conflict around “good” values, at least the debate is engaged in a framework that
29 admits the reality and centrality of values.

30 Ultimately, the stance of optimist or pessimist on the eventual “goodness” of
31 the human enterprise rests on a spiritual apprehension of people and the world we
32 co-create as fundamentally good, bad, or randomly neutral.

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