



Places and States of Mind for Healing

Carl M. Hild

ABSTRACT. Recent scientific investigations into the physical aspects of sacred sites are providing new avenues for investigation. Human abilities to perceive extremely subtle physical parameters, which have previously been considered outside of typical sensory capacity, are being researched. It appears that people can sense differences in the physical environment and have established cultural reminders at such places. These places have been used for many purposes, including to improve health and well-being. A sense of place provides a feeling of

well-being. The honoring of such locations is part of the respect and regard that exists among indigenous people and their sites of traditional healing. Reciprocity occurs in the physical closeness and the benefits derived at these locations. Some of these sites are perceived as portals for the mind to access a different level of consciousness and gain information and greater understanding from which well-being can be promoted.

Keywords: healing, indigenous people, sacred sites

Special places mean different things to each individual. Historic sites are special because they have withstood the test of time. Favorite fishing holes are special because they are protected by a code of secrecy. Burial sites are special out of respect for the dead or fear of retribution. Waterfalls are special because of their spectacular display of force or the elevated levels of negative ions they produce. Mountain peaks and land promontories are special because of the geographical uniqueness of their location or because they are the first or last place at which an astrological event can be witnessed.

The recognition that current knowledge was first learned by the ancestors makes a place special to a group or culture. They shared that information in stories that apply the information to demonstrate the understanding that comes from the practical use of wisdom. What is learned today will benefit future generations that are already here within the reproductive capacity of the living. Rene Dubos writes, "Certain anthropologists pragmatically define culture as an acquired or learned system of shared and transmitted ways of enabling the cultural group to handle satisfactorily the problems of life" (1968, 143). *Culture* is an agreed-on set of behaviors that allow for the greatest number of people in a group to survive over time. At times, that survival knowledge is about place and how it benefits people.

A sense of place provides a feeling of well-being. The honoring of such locations is part of the respect and regard that exists among indigenous people and their sites of traditional healing. Reciprocity occurs in the physical

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closeness and the benefits derived at these locations. These sites are perceived as portals for the mind to greater understanding from which well-being can be promoted.

Knowing place

Spiritual aspects

Sacred sites create a conceptual and emotional parallelism between the objective order of the universe, the realm of the spirits, and the constructs of human cultures. Sacred sites are places of communication with the spirits, portals where people enter the sacred. Thus, they are a link between the world of humans and the sacred, where spiritual power can be attained. (Walker 1995, 111)

According to the Bible, the foundation of the Judeo-Christian heritage, in Exodus 3:5, Moses was instructed by the voice of God to remove his sandals before approaching the burning bush, as he was on holy ground at Mount Horeb. He was later instructed in Exodus 19:23 to “set bounds around the mountain and consecrate it.” That mountain was Mount Sinai, where he later received the Ten Commandments.

The Bible also records, in Genesis 28:17, the story of Jacob, who dreamt of angels ascending and descending a ladder that went from earth to heaven. When he awoke, he set a large stone on end as a pillar, anointed it with oil, and established Bethel—literally a place of God. Within this heritage, humans occasionally had direct and indirect contacts with a spirit that caused them to identify and sanctify places as important to their faith. “Traditional peoples did so through a softer-edged, less egocentric state of mind to that possessed by us today” (Devereux, Steel, and Kubrin 1989, 170). The loss of the association with the earth or “indigenous consciousness” through a process of insulating the body and mind from it is called *dissociative schismogenesis* (Kremer 1995, 45).

The early inhabitants of Europe had close associations with the land and a knowledge of special places.

On a more general level, it has long been recognized that all the evidence, whether literary or archaeological, attests a deep concern with the land, with its sacred geography, its borders, and its natural fea-

tures and configurations; one important branch of Irish learned tradition is called *dindshenchas*, “the lore of (famous) places,” and has to do with furnishing etiological tales to account for hundreds of place names, for virtually every distinguishable feature in the landscape had its mythic significance, though some were more highly charged with spiritual virtue than others; the same phenomenon is reflected in Gaul in the extensive repertoire of deity names attached to individual sites: hill and mountaintops, clearings, and cultivated fields, rocks, fords, confluences, rivers and springs. (MacCana 1999, 618)

There are ancient places that have been identified that foster spirituality. New technologies and contemporary experiences may be able to help rediscover the nature of these sites.

The Christian church has a long-standing policy of locating indigenous places of traditional ritual and using the natural attractive properties for its own purposes (Adair 1978; Metzner 1999).

In a famous letter to Abbot Mellitus in 601, Pope Gregory the Great advised Christian missionaries in England not to prohibit the recourse to the ancient sanctuaries but to consecrate them in Christ’s service, rededicating them with the names of saints and martyrs. Thus the early Christians built their churches on holy mounds or even within stone circles, and heathen springs were simply renamed after saints or holy hermits. From time to time Christian kings attempted to stamp out the old pagan religious customs. The Canons of Edgar (963), for example, ordered “withdrawal of worship from trees, stones or fountains.” But these ancient heathen beliefs remained visible through the white surplice of Christianity.

The wells of St. Cleer and St. Keyne near the town of St. Germans in east Cornwall are examples, which can be seen today, the former as a *bowsenning* pool (a Cornish word for immersing oneself in a holy well with healing powers). It was said to cure the insane. (Adair 1978, 95)

For centuries, pilgrims have traveled to the holy wells and sacred sites for well-being and divination (Adair 1978;

Arvigo and Epstein 2003). The Christian church has encouraged these visits to recognize the powers of the Holy Spirit as it moves through nature (Adair 1978). Ancient traditional sites throughout Europe were extirpated by the Christians, and attempts to go past that historic obfuscation, to the indigenous knowledge of place, have been largely ineffective (Kremer 2001).

There are ancient places that have been identified that foster spirituality. Subsequent faiths have used the same

ancient places to enhance their beliefs. Layers of ritualistic behavior have been applied to geographic sites that imbue a spiritual experience. Potential lessons can be learned from these places through cultural review. New technologies and contemporary experiences may be able to help rediscover the nature of these sites. These ancient sites are also threatened by alternative uses of the land and its resources.

Physical aspects

Although contemporary culture has moved away from its previous closeness with nature, efforts have been made to understand what was sensed at these locations. The study of some sacred places has provided insight into local anomalies that may physically influence well-being (Becker 1990; Bird 1993; Devereux 1994; Devereux, Steele, and Kubrin 1989).

Countless numbers of vessels that fish or travel through Kodiak [Alaska] waters have experienced unexplained interference with their ships’ navigational instruments. Their autopilot and compass begin to act strangely as they approach Cape Alitak. The compass’s magnetic setting to true north has been seen to spin out of control and the autopilot refuses to keep a true course. . . . Cape Alitak is an indige-

nous sacred site with dozens of petroglyphs. (Knebel 2003, 107)

People should not stay long at Serpentine Hot Springs, as the healing influences are very strong (Ellanna and Sherrod 2005; Ganley 2002). This hot spring is an Alaskan sacred place known in Inupiaq as *Iyat*, the cooking pot. This site has many large volcanically produced granite *tors*, or outcroppings, that have their own names and healing properties (Ellanna and Sherrod 2005).

The potential for traditional sacred sites to have geomagnetic anomalies or other scientifically determined dynamic parameters has been documented, and work continues (Corliss 2001; Devereux 1994; Devereux, Steele, and Kubrin 1989; Swan 1987, 1988, 1990, 1991, 1995). Infrasound, ultrasound, electromagnetic, and ionizing radiation have all been detected at such sites (Corliss 1983, 1991; Pennick 1979; Tandy n.d.). Plants are sensitive to electromagnetic fields and the influence of humans (Tompkins and Bird 1989). The medicinal properties of plants collected at these sites have more potential for healing (Tribal Doctor Program, pers. com., spring 2006).

Animals and humans are also sensitive to such fields (Adams 1987; Becker 1990; Becker and Seldon 1985; Corliss 1992; Davis and Rawls 1987; Gray n.d.; National Research Council [NRC] 1993, 1997; Papatheofanis 1987; Quincy and Alter 1987; Rauscher 1987; Verschuur 1993; Wilson, Stevens, and Anderson 1990). Animals can sense parameters outside those capable of humans (Hughes 2001). Animals also gather and sleep at or near sacred sites (Devereux 1990, 1992, 1994, 1999; Pennick 1979). Research has been done to assess dreams at sacred sites (Krippner 1989; Krippner, Devereux, and Fish 2003). Robin Baker found that humans can detect the earth's magnetic field and orient themselves accordingly (1984).

Baker conducted additional experiments and found that how one's body is positioned during sleep may increase the individual's ability to sense the geomagnetic field (1984). He also found that synthetic clothing inhibited such abilities. Participants wearing natural-fiber clothing or no clothing statistically



outperformed those in polyester (Baker 1984). By physically being in contact with the earth in a natural context and observing life in the area, humans can feel a level of influence from place to animals or people or to plants.

The naturalist philosophy of the past century has promoted the concept of being nude in nature for positive health and as a way to counter the expanding removal of regular contact with the earth (Cinder 1998). This shift from the intimate knowing of nature has been termed *desacralization of the cosmos* (Glass 1995, 153). Others have commented on the twentieth-century shift of the level of electromagnetic pollution that keeps people from sensing these sites' subtle parameters (Bachler 1989; Becker 1990; Davis and Rawls 1987; NRC 1993, 1997; Papatheofanis 1987; Quincy and Alter 1987; Rauscher 1987; Verschuur 1993; Wilson, Stevens, and Anderson 1990). "Dr. Manfred Koehlechner writes in his book *Nobody Dies in August*, "The risk factor associated with one's location needs to be observed much more carefully now than in former times" (Bachler 1989, 32).

The timing and location of individual health conditions are now gaining attention in light of global climate variability and shifting major weather patterns,

such as the North Atlantic Oscillation and its association with heart conditions in Norway (Messner 2005). Messner and colleagues also examined shifting geomagnetic patterns linked to the aurora and studied whether they are associated with the occurrence of heart attacks (Messner, Haggstrom, Sandahl, and Lundberg 2002). The aurora is linked to sunspot activity, which has an eleven-year cycle. Such long, natural cycles are hard to study in human health standards, but other means of understanding their potential influence exist.

Although it has been well studied, little is mentioned on the eleven-year cycle that appears in the basic properties of water (Devereux, Steele, and Kubrin 1989; Milton 1996). Italian researcher Giorgio Piccardi of the Institute for Physical Chemistry in Florence, Italy, conducted work for decades starting in the 1960s. He carefully assessed long-term shifts in the reaction times of pure water. His work was replicated in Brussels and at the Atmospheric Research Center in Colorado. The investigations "strongly suggest that water is susceptible to influence by electromagnetic radiation" (Milton 1996, 40). The eleven-year period matches that of solar activity, which also influences the geomagnetic field in the production of the aurora. Because life depends on water, it is possible that human bodies can sense surroundings differently on a temporal as well as on a spatial scale. Because nerves and the brain function as wet electrical systems, it is also likely that there are direct geomagnetic and electromagnetic influences on living systems.

Aurora and radio-frequency electromagnetic pulses also appear before earthquakes (Corliss 1983, 1991; Devereux, Steele, and Kubrin 1989). Tellurian forces are generated by the pressures on crystal-containing rock, which provides piezoelectric charges not unlike spark generators in gas stoves. In the past, during tectonic plate stress, humans may have sensed the shifts in geomagnetic fields. They may have also observed changes in animal behavior or the formation of subtle earthlights above the fault line in the absence of electric light pollution (Corliss 1983).

The physical aspects of place appear

measurable through some technologies. Indigenous people from a specific place may be aware of the subtle changes that take place over a day, a year, the eleven-year sun spot cycle, and the fifty-six-year lunar cycle, which is indicated in the placement of the Aubrey holes of Stonehenge and through the language of the Sámi (Kremer 2001).

Knowing the earth

Perhaps our ancestors were able to locate sacred sites because of their intimate association with nature and the natural materials of their clothing (Baker 1984). The resonance that the human

For some places you can show that there are unusual environmental fields, electromagnetic fields, air-ionization patterns, and unusual soil and water chemistry, which are capable of influencing consciousness and facilitating healing. . . . But the morphogenic field is like a combination of three things: the spirits, the people who come there to honor the place, and the environmental field, which exists there in the first place. (Swann 1988, 145)

The shamans of many cultures can intentionally enter an altered state of mindful consciousness to seek knowledge (Heinze 1997). Ruth-Inge Heinze provides a chart indicating that the shamanic mindset falls within a region in

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body may have with a location is called *adaptation entrainment* (Taylor 1988, 87). Knowing the nature of a sacred site may require being barefoot and wearing natural-fiber clothing because of the subtleties of the experience (Cohen 2003). Perhaps those who identified these sites long ago also took the time to sense the place and have hierophany.

In contrast to this wealth of knowledge of transpersonal states, there are virtually no data [that] seek to explain the role in which transpersonal states may be associated with geographic places, except for Margarita Laski's pioneering work on ecstasies, which concludes that ecstasies take place ". . . almost always after contact with something valuable or beautiful or both." These external conditions, which influence ecstasies, Laski terms "trigger." And she notes that some of the most common triggers are natural scenery, especially water or mountains. (Swan 1988, 134)

which both mental control and an expanded state of consciousness exist (1997, 38). The work of Edith Jurka suggests that this state of consciousness may include expanded, simultaneous brain activity at the Alpha, Beta, Delta, and Theta frequencies on an electroencephalogram (EEG; Milliren 1997). Today's clothes, cars, cities, electromagnetic pollution, and pace of the culture inhibit this ability to have intimate contact with the subtleties of nature and achieve that altered state of consciousness regularly (Gallagher 1993; Kremer 1995).

Dowsers are a group of people who know the earth through a sensitive mindful process of mental control and an expanded state of consciousness (Barrett and Besterman 1968; Bird 1993; Goodman 1977; Graves 1980; Milliren 1997). Dowsers quiet their minds and ask three questions before they start their search:

Can I? May I? Should I? These inquiries are offered to the great unknown source of all knowledge. With this assurance, the dowser moves forward with inquiry in mind, holding a forked stick, pendulum, or bobber, with hands outstretched or merely with an awareness to receive and accept information that is provided through quasimeditative insight. Dowsers have searched for water and minerals for millennia (Bird 1993).

Theories exist that dowsers tap into the tellurian energy or electromagnetic field produced by water moving underground, but such ideas are challenged by the practitioners' ability to dowse for information of ancient people using distant maps or personal letters. Dowsers state that they are doing more than just detecting subtle energy fields—they are tapping into the great unknown source of all knowledge (Bird 1993; Goodman 1977; Graves 1980; Hawken 1976; Smith 2006). A way exists to gain knowledge without the typical academic or experiential processes: Some suggest that we are all a part of a consciousness that is made up of the entire earth (Devereux, Steele, and Kubrin 1989; Krippner 1988).

Egyptian records show priests with jackal sticks, which are believed to be dowsing rods used for divination (Bird 1993). These rods are similar to the staff of Moses and are used with the power of God throughout Exodus. Moses reportedly used his staff to produce water from rock, part the Red Sea, and consume the serpent rods of the pharaoh because it, or he, could draw on the power of God.

The dowsing technique may be a contemporary survivor of the activities that indigenous people used to assess place. They may have sensed places that were different when encountered during their annual migrations. Those most adept at gaining such knowledge may have used those places for further exploration to understand the land and enter a dialogue with nature. The traditional shamanic practice of spirit travel to obtain information may be an extended form of dowsing that allows communication with the earth consciousness or, worded in a reverse temporal manner, the contemporary dowser may be the vestigial shadow of the former spirit travel skills of the shaman.

Indigenous knowing

The shaman, whose name provides insight into his or her role in the community, could access knowledge that others could not. The shaman had the ability to seek information at will. When shamans recognized and confirmed the special aspects of a place, they marked it or designated that area as sacred and restricted so that future generations could continue to use it (Ganley 1996, 2002; Milan 1964; Reid 2002; Swan 1987, 1991).

The shamans and leaders of indigenous cultures from around the world have marked many sites with durable stone markers. The Inuit—the indigenous peoples of Greenland, northern Canada, northern Alaska, and the Russian Far East—have built *inuksuit*, which are standing stone markers that often look like humans from a distance (Hallendy 2000). The placement, orientation, and meaning of these stone markers are not fully understood. Some of the markers have stories that relay messages about the area where they are located. Others appear without such oral history. Their spiritual aspects are rarely discussed, although it has been reported that “some served to mark the threshold of spiritual landscape” (Hallendy 2000, 77).

Some mysterious *inuksuit*-like figures can be fearsome entities: the evil *inuksunirlik*, which may have been created to cast a spell; the *inuksuk assirurunaqtuq*, said to be able to transform into other entities; the *inuksuk anirniqtalik* are said to contain a spirit, while the *sakkabluniit* contain spiritual power, the *katajuaq*, an arch under which the shaman healed or protected a person; the *kattaq*, an entrance to a place of power, such as a sacred site; the *tupqujaq*, a doorway through which a shaman entered the spirit world; and the *angaku'habvik*, where shamans received their powers of initiation. (Hallendy 2000, 77)

The *inuksuit* stimulate the mind and raise consciousness in a manner similar to the perspective given by Heinze (1997). Five states of mind can be initiated at some *inuksuit*, which are not normal waking consciousness or dreaming, according to the Inuit. These states collectively are called *quiinuinaqtuk* (Hallendy 2000). In them, one can see other aspects of the real world and not be limited by the physical world. *Qiuu-*



ituk is when one is alone and filled entirely with peace. This idea fits with others' assessments of sacred places (Devereux 1990; Gray n.d.; Swan 1990, 1991). *Angnatsiaq* is when one thinks of a woman in a loving, dependent partnership that is rich and intertwined, not in a sexual way. *Angutiisiaq* is when one realizes a way of living exists that offers many opportunities to excel. *Siilatujuk* is when one can enter his or her own world, which is just as he or she desires it to be. *Issumatujik* is when one can think and focus his or her intent on one topic to truly understand it.

Of these five states of mind, the *issumatujik* defines the mindset that allows a dowser or shaman to become knowledgeable on any focused topic. This state allows interpretation of shifts in animal behavior, the weather, or smell of the land, which could provide the divination of events. It also fosters an understanding of events within the community. This state assists in making decisions to move the herd farther or seek subsistence animals in other locations. It affords the opportunity to know a person's health condition and a method to provide healing.

Only some of the *inuksuit* mark the places where these states of consciousness can be accessed or where this hyperconsciousness dialogue can take place (Hallendy 2000). Alaskan ethnographies report healers going to special

sites marked with stones or large bones to engage in spirit communication as part of the ritual journey to well-being (Ganley 1996; Giddings 1967; Lowenstein 1992, 1994; Milan 1964; Ray 1983; Schaaf 2004; Spencer 1969). Regular communication and dialogue can again occur with earth consciousness.

Land, for the Inupiat, is an entity much like a person. From this viewpoint, the earth itself can speak, and one of the ways it has spoken and continues to narrate Inupiaq experience and worldviews is through the placement and transmission of names. There are a number of tales from this region that refer to persons actually traveling through or being within the land, rather than existing upon it, as Western[er]s do. This kind of situation occurred at Serpentine Hot Springs (*Iyat*, meaning cooking pot), where shamanistic initiation took place through underground travel in several layers of permafrost. The earth became, for a shaman's sometimes unwilling apprentices, both opponent and mentor during these experiences. Certain places are still “quoted” as though they can talk. (Schaaf 2004, 111)

A series of granite tors surround Serpentine Hot Springs. Stories say that they were women who transformed into stone, not unlike the *inuksuk assirurunaqtuq* mentioned previously in this article (National Park Service 2003). *Iyat* has a long history of being a place of traditional healing and to train healers (Ellanna and Sherrod 2005; Ganley 2002; National Park Service 2003; Schaaf 2004). Stories also say that each of the tors has its own name and a specific healing power, not unlike the *sakkabluniit* (Herbert Anungazuk, Native Liaison for the National Park Service, pers. com., February 21, 2006). The belief that *Iyat* is a place to enter and initiate underground travel to the spirit realm reflects the *inuksuk kattaq* and *tupqujaq*. The Inuit of northwestern Alaska are the Inupiaq, and their name for the region in which *Iyat* is located is *tapqagmiut*. *Iyat* is also a place for divination of a person's lifespan on the first visit. This insight would be similar to the *issumatujik* as a place to allow other knowledge to be accessible (Ellanna and Sherrod 2005; Ganley 2002).

American Indians attempt to discover “access points” or “portals” to the sacred that are often impossible to know before the dreams or visions that reveal them. Despite this, there are underlying regular-

ities concerning where such access points to the sacred are most often located.

These access points to the sacred in American Indian religious beliefs and practices have received relatively little attention by scholars. As noted above, they are not only points in space, but also points in time, best described as sacred "time/space." For example, especially sacred times are dawn, at dusk, during the equinoxes and solstices. Given this, certain geographic spaces or points may be used rarely but can still be very valuable at appropriate times. It is such "time/spaces" where entry into the sacred is most common, although not guaranteed. It is believed that the ultimate control of this process is in the hands of the spirits, who must decide if the supplicant or petitioners are worthy of admission to the sacred. (Walker 1995, 104)

Ralph Metzner writes in *Green Psychology* that place is to space as story is to time (1999, 190). Indigenous people celebrate space and time in the marking of the seasons or of harvest or hunting

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success at a location. The place and story become the means to sustain and make sense of life. The cultural patterns of that spiritual process became the stories of belief and survival, whereas the places became sacred and identified with monuments. Therefore, the space and time connection is the portal and the opportunity for the sacred to become the profane. Wilhelm Reich writes,

All true religion contains the experience of a unity with an omnipresent power, and simultaneously of temporary, painful separation from this power. The eternal longing for return to one's origin ("return to the womb"; "return to the good earth from whence one came"; "return to the arms of God"; etc.), for being embraced again by "the eternal" pervades all human longing. (Corrington 2003, 211)

Being "from a place" is the definition of indigenous. Indigenous knowing can

be associated with information about the local physical environment and ecosystem. Indigenous knowing can also be linked to knowing how to know about a place. The sacred sites of indigenous people provide them with an opportunity to know at a different level of consciousness than the general individual. Knowing one's place in the world, at multiple levels, has its advantages.

Place and health

The idea that place is related to health and well-being is a growing field of investigation (Castleden and Garvin 2004; Devereux 1990, 1992, 1994, 1999; Gallagher 1993; Gesler and Kearns 2002; Kearns and Gesler 1998; NRC 1997; Swan 1987, 1988, 1990, 1991). Stanley Krippner writes, "In Western medicine, the body is treated like a machine that needs frequent repair. In native medicine, the body is seen as a dynamic system, as an energy

field within a larger context" (1988, 194). Roger Ulrich found that hospital patients with views of trees and grass left their rooms sooner and with less medications and less complaints than did similar patients with views only of the walls of adjacent buildings (Gesler and Kearns 2002). A positive sense of place is linked to physical well-being.

In the book *Witch Doctors and Psychiatrists*, Edwin Fuller Torrey (1986) argues that four aspects are common to Western and indigenous healing (Krippner 1988, 195, 209). First, the patient and the healer must have a shared worldview. Second, the patient has an expectation of what the healer can do. Third, the healer has some characteristics that make him or her distinctive. Fourth, some ritual or practice targets the healing processes. Going to a doctor's office or a sacred site for healing

are culturally relevant expressions of these four fundamentals.

Krippner also writes that two types of shamanic healing incorporate the transfer of some essence of the patient or place (1988, 196–97). A *contagious magic* is associated with being at a place or in contact with an item that has been at a sacred site. In reverse, the contagious magic can work if a clip of hair or a personal possession from the patient is taken to the healer or place of well-being. In *imitative magic*, patients believe that any symbol of them or their condition can be directly linked to their well-being. For example, burning a drawing of a tumor in fire can take away sickness. Bringing together the patient and the healer at a revered place with its special properties is a long-established practice for improving well-being.

The honoring of sacred sites is part of the respect and regard that exists among indigenous people and their places of ancient, traditional healing (Hunt 2003). Reciprocity is found in the physical closeness and the benefits derived at these locations. These sites are perceived as portals for the mind to a greater understanding from which well-being can be promoted. This reverence is called *geopiety* (Vecsey 1995, 22). Little research has been done on the topic of places of ancient traditional healing (PATH) or geopiety.

REFERENCES

- Adair, J. 1978. *The pilgrim's way: Shrines and saints in Britain and Ireland*. Over Wallop, Hampshire, United Kingdom: Thames and Hudson.
- Adams, M. 1987. Possible influence of the geophysical environment on human health and behavior. In *Proceedings of the Fourth International Conference on the Study of Shamanism and Alterative Modes of Healing*, ed. R-I. Heinze, 154–59. Berkeley, CA: Independent Scholars of Asia.
- Arvigo, R., and N. Epstein. 2003. *Spiritual bathing: Healing rituals and traditions from around the world*. Berkeley, CA: Celestial Arts.
- Bachler, K. 1989. *Earth radiation: The startling discoveries of a dowser*. Manchester, United Kingdom: Wordmasters.
- Baker, R. 1984. *Bird navigation: The solution to a mystery?* New York: Holmes and Meir.
- Barrett, W. F. Sir, and T. Besterman. 1968. *The divining rod: An experimental and*

- psychological investigation. New Hyde Park, NY: University Books.
- Becker, R. O. 1990. *Cross currents: The promise of electromedicine, the perils of electropollution*. Los Angeles, CA: Jeremy P. Tarcher.
- Becker, R. O., and G. Selden. 1985. *The body electric: Electromagnetism and the foundation of life*. New York: William Morrow.
- Bird, C. 1993. *The divining hand: The art of searching for water, oil, minerals, and other natural resources or anything lost, missing, or badly needed*. Atglen, PA: Whitford Press.
- Castledon, H., and T. Garvin. 2004. Therapeutic landscapes as a sacred land: Wolf in sheep's clothing? In *Aboriginal cultural landscapes*, eds. J. Oakes, R. Riewe, Y. Belanger, S. Blady, K. Legge, and P. Wiebe, 86–96. Winnipeg, Manitoba, Canada: Aboriginal Issues Press.
- Cinder, C. 1998. *The nudist idea*. Riverside, CA: Ultraviolet Press.
- Cohen, K. 2003. *Honoring the medicine: The essential guide to Native American healing*. New York: One World.
- Corliss, W. R. 1983. *Earthquakes, tides, unidentified sounds and related phenomena*. Glen Arm, MD: The Sourcebook Project.
- . 1991. *Inner earth: A search for anomalies*. Glen Arm, MD: The Sourcebook Project.
- . 1992. *Biological anomalies: I. Humans*. Glen Arm, MD: The Sourcebook Project.
- . 2001. *Ancient structure: Remarkable pyramids, forts, towers, stone chambers, cities, complexes*. Glen Arm, MD: The Sourcebook Project.
- Corrington, R. S. 2003. *Wilhelm Reich: Psychoanalyst and radical naturalist*. New York: Farrar, Straus and Giroux.
- Davis, A. R., and W. C. Rawls Jr. 1987. *Magnetism and its effects on the living system*. Pompano Beach: Exposition Press of Florida.
- Devereux, P. 1990. *Places of power: Secret energies at ancient sites. A guide to observed or measured phenomena*. London: Blandford.
- . 1992. *Secrets of ancient and sacred places: The world's mysterious heritage*. London: Blandford.
- . 1994. *Shamanism and the mystery lines: Ley lines, spirit paths, shape-shifting & out-of-body travel*. St. Paul, MN: Llewellyn.
- . 1999. *Earth mysteries*. London: Judy Piatkus.
- Devereux, P., J. Steele, and D. Kubrin. 1989. *Earthmind: Communicating with the living world of Gaia*. Rochester, VT: Destiny Books.
- Dubos, R. 1968. *Man, medicine, and environment*. New York: Mentor Books.
- Ellanna, L. J., and G. K. Sherrod. 2005. *From hunters to herders: The transformation of earth, society, and heaven among the Inupiat of Beringia*. Anchorage: National Park Service, Alaska Regional Office.
- Gallagher, W. 1993. *The power of place: How our surroundings shape our thoughts, emotions, and actions*. New York: Harper Collins.
- Ganley, M. 1996. *The role of anatguk in northwest Alaska: Historic transformation*. NOAS, 12: 5–19.
- . 2002. *One place, a multitude of spirits: Traditional cultural use and contemporary perspectives of Iat, Serpentine Hot Springs, and Unaatuq* (NPS CA-9700-5-9062). Anchorage: National Park Service, Alaska Regional Office.
- Gesler, W. M., and R. A. Kearns. 2002. *Culture/place/health*. New York: Routledge.
- Giddings J. L. 1967. *Ancient men of the Arctic*. Seattle: University of Washington Press.
- Glass, M. 1995. "Alexanders all": Symbols of conquest and resistance at Mount Rushmore. In *American sacred space*, eds. D. Chidester and E. T. Linenthal, 152–186. Indianapolis: Indiana University Press.
- Goodman, J. 1977. *Psychic archaeology*. New York: Putnam.
- Graves, T. 1980. ed. *Dowsing and archaeology: An anthology from the Journal of the British Society of Dowsers*. Wellingborough, Northamptonshire, United Kingdom: Turnstone Books.
- Gray, M. n.d.. *Sacred sites: Places of peace and power*. Available at http://www.experiencefestival.com/a/Sacred_Sites/id/2148 (accessed November 26, 2005).
- Hallendy, N. 2000. *Inuksuit: Silent messengers of the Arctic*. Vancouver, British Columbia, Canada: Douglas and McIntyre.
- Hawken, P. 1976. *The magic of Findhorn*. New York: Bantam Books.
- Heinze, R-I. 1997. *Trance and healing in southeast Asia today*. Berkeley, CA: Independent Scholars of Asia.
- Hughes, H. C. 2001. *Sensory exotica: A world beyond human experience*. Cambridge, MA: MIT Press.
- Hunt, N. B. 2003. *Shamanism in North America*. Buffalo, NY: Firefly Books.
- Kearns, R. A., and W. M. Gesler, eds. 1998. *Putting health into place: Landscapes, identity & well-being*. Syracuse, NY: Syracuse University Press.
- Knebel, W. 2003. *The Cape Alitak petroglyphs*. Virginia Beach: Donning.
- Kremer, J. W. 1995. Indigenous science for Euro-Americans. In *Proceedings of the Eleventh International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 42–55. Berkeley, CA: Independent Scholars of Asia.
- . 2001. Vanir, giants, and Samit: A reconstructive inquiry into the indigenous conversations of the ancient Germanic peoples. In *Proceedings of the Fifteenth International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 66–97. Berkeley, CA: Independent Scholars of Asia.
- Krippner, S. 1988. Shamanic healing traditions and the living earth concept. In *Proceedings of the Fourth International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 133–144. Berkeley, CA: Independent Scholars of Asia.
- . 1989. The use of dreams by tribal shaman. In *Proceedings of the Fifth International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 294–310. Berkeley, CA: Independent Scholars of Asia.
- Krippner, S., P. Devereux, and A. Fish. 2003, June. The use of the Strauch Scale to study dream reports from sacred sites in England and Wales. *Dreaming* 13 (2): 95–105.
- Lowenstein, T. 1992. *The things that were said of them: Shaman stories and oral histories of the Tikigaq people*. Berkeley: University of California Press.
- . 1994. *Ancient land: Sacred whale, the Inuit hunt and its rituals*. New York: North Point Press.
- MacCana, P. 1999. Celtic religion and mythology. In *The Celts*, eds. C. Kruta, O. H. Frey, M. Szabo, and B. Raftery, 616–27. New York: Rissoli International.
- Messner, T. 2005. Environmental variables and the risk of disease. *International Journal of Circumpolar Health* 64 (5): 523–33.
- Messner, T., I. Haggstrom, I. Sandahl, and V. Lundberg. 2002. No covariation between the geomagnetic activity and the incidence of acute myocardial infarction in the polar area of northern Sweden. *International Journal of Biometeorology* 46: 90–94.
- Metzner, R. 1999. *Green psychology: Transforming our relationship to the earth*. Rochester, VT: Park Street Press.
- Milan, F. A. 1964. The acculturation of the contemporary Eskimo of Wainwright, Alaska. *Anthropological Papers of the University of Alaska* 11 (2): 1–95.
- Milliren, T. 1997. *Ancient mysteries of healing discovered*. New Florence, PA: Angel 99.
- Milton, R. 1996. *Alternative science: Challenging the myths of the scientific establishment*. Rochester, VT: Park Street Press.
- National Park Service. 2003. *Iyat (Serpentine Hot Springs) Bering Land Bridge National Preserve, cultural landscapes inventory*. Anchorage, AK:

- U.S. Department of the Interior.
National Research Council. 1993. *The national geomagnetic initiative*. Washington, DC: National Academy Press.
- . 1997. *Possible health effects of exposure to residential electric and magnetic fields*. Washington, DC: National Academy Press.
- Papathoefanis, F. J. 1987. Bioelectromagnetics: Biophysical principles in medicine and biology. In *Experimental biology and medicine: Monographs on interdisciplinary topics*, Vol. 12, ed. A. Wolsky, 1–98. Basel, Switzerland: Karger.
- Pennick, N. 1979. *The ancient science of geomancy: Living in harmony with the earth*. Sebastopol, CA: CRCS.
- Quincy, C., and J. Alter. 1987. Sonic resonance and its interactions with the dynamics of cerebral spinal fluid in relation to focus of attention and altered states. In *Proceedings of the Fourth International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 164–68. Berkeley, CA: Independent Scholars of Asia.
- Rauscher, E. 1987. Principles of geological frequencies in the extremely low frequency (ELF) region of the electromagnetic spectrum and their possible relationship to Tesla's wireless energy transmission concepts. In *Proceedings of the Fourth International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 160–64. Berkeley, CA: Independent Scholars of Asia.
- Ray, D. J. 1983. *Ethnohistory in the Arctic: The Bering Strait Eskimo*. Kingston, Ontario, Canada: Limestone Press.
- Reid, A. 2002. *The shaman's coat: A native history of Siberia*. New York: Walker.
- Schaaf, J. 2004. ed. Ublasau (first light): *Inupiaq hunters and herders in the early twentieth century, northern Seward Peninsula, Alaska*. Anchorage: National Park Service, Alaska Regional Office.
- Smith, P. H. 2006. How the ASD's Chesapeake Chapter helped win the Cold War. *American Dowser* 46 (1): 20–24.
- Spencer, R. F. 1969. The north Alaskan Eskimo: A study in ecology and society. *Smithsonian Institution, Bureau of American Ethnology Bulletin* 171. Washington, DC: Smithsonian Institution Press.
- Swan, J. A. 1987. The healing value of place: Shamanistic uses of sacred places in health and healing. In *Proceedings of the Third International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 124–32. Berkeley, CA: Independent Scholars of Asia.
- . 1988. Sacred places in nature and transpersonal experiences. In *Proceedings of the Fourth International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 133–44. Berkeley, CA: Independent Scholars of Asia.
- . 1990. *Sacred places: How the living earth seeks our friendship*. Santa Fe, NM: Bear.
- , ed. 1991. *The power of place: Sacred ground in nature and human environments*. Wheaton, IL: Theosophical Press.
- . 1995. *Press Sacred places of Japan*: Sacred geography in the vicinity of the cities of Sendi and Narai. In *Proceedings of the Eleventh International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 253–64. Berkeley, CA: Independent Scholars of Asia.
- Tandy, V. n.d. *Ghost sounds: A review and discussion of the infrasound theory and applications*. Available at <http://heracles.coventry.ac.uk/cyberclass/vicweb/parapsychology.htm> (accessed May 6, 2004).
- Taylor, L. 1988. The stones, the harp and the north wind: Celtic shamanism and attunement. In *Proceedings of the Fourth International Conference on the Study of Shamanism and Alternative Modes of Healing*, ed. R-I. Heinze, 86–93. Berkeley, CA: Independent Scholars of Asia.
- Tompkins, P., and C. Bird. 1989. *The secret life of plants*. New York: Harper and Row.
- Torrey, E. F. 1986. *Witch doctors and psychiatrists: The common roots of psychotherapy and its future*. San Francisco: Harper and Row.
- Vecsey, C., ed. 1995. *Handbook of American Indian religious freedom*. New York: Crossroad.
- Verschuur, G. L. 1993. *Hidden attraction: The mystery and history of magnetism*. New York: Oxford University Press.
- Walker, D. E. 1995. Protection of American Indian sacred geography. In *Handbook of American Indian religious freedom*, ed. C. Vecsey, 100–15. New York: Crossroad.
- Wilson, B. W., R. G. Stevens, and L. E. Anderson, eds. 1990. *Extremely low frequency electromagnetic fields: The question of cancer*. Columbus, OH: Battelle Press.

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