

Are the poltergeist phenomena random or controlled? A kindergarten study and a reorientation of the field

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English summary: This article first gives a brief overview of recent research and theories on poltergeist phenomena. Then a specific case of a 3-month poltergeist outbreak in 2010 is described. This happened in a large kindergarten in a rural area in the Gudbrand valley in central Norway. The poltergeist activities were often experienced or observed by at least two grown-ups (employees or parents), and by children as well. The events suddenly stopped after a "cleansing" ritual by an elderly Christian man.

This author was appointed by the municipality to investigate the phenomena. All grown-up witnesses were interviewed. No center-person was identified as necessary for the phenomena to happen.

The different types of physical events are described, eg objects flying through the air, or being manipulated. There were also different kinds of sensations, including eg odors, sounds, cold sensations. It is concluded that some events seem to be controlled by some kind of invisible entity with intention.

Possible physical mechanisms involved are discussed. The main enigma is what the external intentional entity may be. Based on the literature on both poltergeist and similar phenomena like haunted houses, there may be a potential for interactions between biologically dead persons and the living. However, poltergeist phenomena are not supernatural, but part of nature albeit outside our frames of knowledge.

" Poltergeis t " (Banking spirit) is used about one loosely associated collection of phenomena, i significantly related to humans and centered around the following: Movement, manipulation, removal and retrieval of objects, sound and smell experiences, impact of electrical equipment, installation of fires, human impact and animals - children as adults (headache, discomfort, sunburn, muscular spas-

more), water appears and worth throwing, sometimes targeted. More or less clear experiences - wings of men, now decrepit, become reported. Truleg it is from the last that "Spirit" in "banking spirit" has its origin. - The objects that are moved or thrown away can be of very different kinds and sizes - wood, metal, fabrics, composites. Phenomenal the area is more composed than above. The selection and strength of phenomena - e.g. sounds and power when throwing - varies greatly from case to case.

photo: Olav Fosbakken

Central features

Locality. Phenomena are often observed by several at the same time and is located in one

50

Parapsychological Notes No. 84/2017

Page 2

house or part of a house, but they can also occur within a larger but delimited area outside the house - spontaneously or with a prehistory over years, especially as "visions". Animals and children react more strongly than adults, it seems. The difference from "shy" / "Ghost" is probably the relative absence of them physical "poltergeist" phenomena in the past case.

Interaction. The observations show one two-way interaction between humans and phenomena, eg in the form of the influence of throwing and moving objects and probably also ceases or modifies the total range of events. Regularities in the literature are young people and as central anchors. From the literature and handovers are just as safe that the young person's presence is not a necessity necessary or sufficient precondition for start-up or maintenance of phenomena.

Main theories

Person-generated. The perception that

identified. Gearhart and Persinger (1986) has looked at covariation with change in it geomagnetic field around the earth, and find a statistically significant link: It is several reported poltergeist episodes when field strength increases. Others do not like could clearly demonstrate this. More outside horizontal physical connection point is not found. The problem with this hypothesis is that it cannot explain the events on other time; nor the great one the variation in forms of expression.

Literature

To the informed audience that is here reads, no more coal shall be received Newcastle than absolutely necessary. Literary the trip is big and partly old. This type phenomenon seems to have followed our lineage from the oldest times with similar forms of expression in different cultures. Let it be sufficient to refer to a very straightforward starting point for orientation in Wikipedia under the title "Poltergeist". There is also to be found

seems to be prevalent now, is that a selection of the mental processes of living people through "psychokinesis" (William Roll, 1975) is the physical reason for moving objects and may have more of phenomena above. The psychic instance is "unconscious" - and unclear. The embrace psychokinesis is physically without substance; in all way at the size level this is talk about. At the subatomic level, it can the material effect of a mental factor (Radin, among others 2016). The "unconscious" has many meanings, but it is certain enough that what we experience at all times alone is a small selection of the brain's physical processes.

Person-related but causes associated in external body. The alternative theory is essentially this: Outside the or the current persona exists unidentified entity that may stand in interaction with humans, but that is the physical cause of phenomena. This the instance is so far not scientific

"Famous cases" with 24 in number. These missing The Amherst poltergeist (1878) and The Jacksonville Water Poltergeist (1996-97); both available via the Internet or biblical literature (see References).

Assessment

Poltergeist phenomena, as well as literature, is part of a larger phenomenon area and thus also a larger thematic field: experiences of fallen people (ghosts), clairvoyance (ancestral - extrasensory experiences), telepathy, near death experiences and The "rebirth" phenomenon. With the exception of lately, this is all phenomenon like many have experienced in coincident ways - available for the familiar approach "This one does not believe in", or the open skepticism that invites greater knowledge. The author must be allowed to claim that this skepticism is a potential.

Key challenges: Clarification of (a) the details and validity of phenomena, (b)

the underlying physics, and (c) dei the underlying mechanisms the interaction between poltergeist phenomena and affected humans and animals. The following study was conducted with these aims.

A kindergarten study

In a larger kindergarten in Gudbrandsdalen experienced employees, children, their relatives, and representatives from the municipality and Den Norwegian church an unusually rich composition

recordings and photographic documentary was made available. The final game report was discussed, commented on and the applications approved by the employees before publication. Direct, close and repeated contact with the staff through total close to three months made it possible to form a relatively detailed picture of most of the events with a the fundamental trust in the validity of the information. (Mass) suggestion is disproved through observations;

selection of events within the current the phenomenon area. The events were physical in its nature; between other casting and manipulation of objects in several person supervision. The starting point was sparse: Pattern making - pearls and chalk - but with development over a short time until then powerful events that it was considered to close the kindergarten (none of them approx. 30 children were affected). A relatively abrupt one closing was associated with a ceremonial performed by a "clairvoyant". The central the events lasted from April to June 2010 (1 ½ month), but with debut year in advance through children and adults' registration in the former kindergarten of "ein gamal man ", unidentified and unclear; and settlement through individual events in decreasing frequency months after phenomena essentially ceased. IN at the time of writing it is quiet. Central stood a four-five persons of a staff of 15, between these the two youngest and one older (17-57 years). Signed each of the neleiinga with the connection of the employees asked to map, evaluate, and apply knowledge-based understanding of phenomena - initiated 10 days after the events ceased. They were directly involved interview individually with cross-interview where several had observed the incident at the same time; often with repetition for determination of details. Municipal employees, one representative of the Church and one relatives were also included, since dei also experienced relevant events. Everyone

psychiatric disorders as well. No indication of deception or fingered and agreed games: mutual control within the staff. The information in the report and below host done in confidence that it reported has actually taken place.

Forms of phenomena - a selection

General: Especially the two youngest of the staff was perceived to be associated with larger and stronger activity; one of the older to damping of this. The youngest of the staff had quit immediately before the interview series took off, and did not let up contact. As the events unfolded, was none of the most central necessary and sufficient parts of the situation.

Movement of object. The following features were observed by at least two persons at the same time: Sudden, explosive initiation of movements, ballistic trajectory, abrupt stopping ("as if it lands in glue"); sometimes normal termination. Gjen- the stands could occur in the loose air in eye height. Objects varied greatly in size and composition - metal, glass, leather, plastic, composite material. Up- lived as abnormal: Objects were often gone - hours, days, only to be found that in places that were formerly looking.

Manipulation of objects. A. Ein plastic bottle half full with cleaning alcohol "dance by itself and would have fallen down below normal conditions". B. Vatnet i ein plastic bottle host observed "boiling" / bubble in

room temperature during the passage of a add. C. At a distance of 1 ½ m, two see off staff one of two nonstop suddenly disappear from a cake with powdered sugar and land with a loud bang on the floor. No brand in the icing. D. A small whiteboard magnet occurs at eye level with path towards ein person, suddenly changes direction and strikes against shoulder (two observers). E. By several high host objects transported from one room to another, also from room with locked doors and windows, and directly observed bends of the track along the way. Object-dane seems to come from the loose air in eye level, but also from the ceiling. E. Opening and closing of doors, windows and kitchen faucets; unexpected resistance to closure. Program settings worth changing machine.

Change of object characteristics. A. Small objects are usually warm to the touch about. one minute after throwing in the period of strong activity. B. Two jackets of thin material was at two hay found raised against wall (painted straw on plaster; jackets in polyester and nylon) with only a few cm of sleeves and hem of jackets along the floor. At one of these high finds the owner's cell phone hanging loose on the outside of the jacket with the display inside. C. Smooth and pure pieces of wood (10 x 1 cm) become hanging after landing with a big bang against bubble jacket in smooth nylon fabric. Small sandal is found hanging on similar fabric. No resistance to removal in any of case. Reconstruction was unwise. D. Data will be removed from mobile phones.

Direct sensory effects. A. Uncomfortable and unidentified odor over seconds to minutes, differently experienced. B. Sounds like bang, crackle, slight scraping and whistling in one of Rome. C. Feeling cold; parts of body / room. D. Headache and Cough feeling; especially in advance of powerful events. E. After a quarter as the events increase in strength and frequency, were two of them most involved (the youngest among these)

regularly and after a few minutes severely bothered of redness "as in strong sunburn" in face and exposed parts of the hands and the arms - it lasted several hours. F. Hos the youngest also emerged strongly uncomfortable, uncontrollable, powerful and symmetrical tremors of the arms seconds ahead and on along the way by powerful movement of objects. G. At least one child and two of the employees had "visions" of woman and man in whole figure in the course period.

Episodes

Children with muffins. Lita jente, 1½ years, dressed for winter weather on a wheelbarrow ride on the kindergarten area, is seen by it add abruptly to sit with a muffin off indoor temperature between mitten-clad hands. No muffin sent from home, no such gift her off staff, no one in carriage or cloth before the trip - but the manager had the afternoon in advance make muffins in kindergarten, pack and put them in the freezer - where they always lay (shrinkage was not detected, but is conceivable). All options have been carefully researched.

Position effect. A plural of the staff over a period of approx. 30 minute is present in the kitchen and observes the following: Within a area of about one meter in diameter in the middle of the room moves about 10 cm to one side of random persons to immediate throwing of objects; corresponding movement in the opposite direction or backwards "does not seem to have the same effect"; i.e. at least not casting. The objects are small - dispenser key, small ball of metal, forged, old nails (unknown) - occurs at eye level to the right for the person, passes and lands with one click in a defined area further arrived.

Bell that disappears. The entrance hall to the nursery is light and airy, 3.5 x 3.5 m with large glass door out and opening in to

Page 5

the bare garden on the inside. Over the door hung no little bell that strikes against this when it goes up and that. A total of six people stand in this room with the face facing inwards towards the center and towards other quarters: Three with back to the front door, one along the left wall (seen towards the exit), two stand a little out in the room where this goes over to the rest of kindergarten; faces facing the door. Along the left wall, right next to these two, stands a small pram by the wall. It is closing time, people go, and these six stand and talking together. It's still sound from the bell. Suddenly a bunch of keys knocks on the door. Immediately after, those who stand by hear door a little squeezed from the bell "as if the flask strikes the goods", and one of them thinks that "now I get it in my head". The people at the door look up - and the bell is gone. One of the two standing by the carriage with its face towards the door gets one "Injury", as she calls it, stings hand under the small skin that lies the carriage, and find the bell there. It has been approx. 10 sec, the women say, from the small squeezed hardest until the bell was found. Nobody has seen or felt any movement in the room immediately in advance or en route - everyone can see what is going on in the room. Everyone involved reports independently other coincident observations. No technical facilities were possible probable. No indication of cooperation or lie. - Reconstruction is strongly visible, and shows that the bell must be lifted of the fastening hook horizontally. This appears as one of the best controlled situations of their kind in the literature.

Discussion

In respect of the skeptical mind:

true, so true (almost then). And it's getting worse. But what should a poor believer do? The alternative is to form the basis of a global psychosis and conspiracy (phenomena above er well-known world around), and worse: They are contagious! In the case of the daycare center, the spouses and children's parents present one night - and we were soon converted according to own observations, in very strong contrary to their expectations. In the interview context: Confidence in truthful reporting ring meets the legal requirements of courts. But true is this: The observations are pre-science-medical data - not scientific. That's how it is be in many branches of science; until situations are so clarified that phenomena can induced under controlled conditions. Until then, it makes sense to follow one naturalistic clues: Search phenomena best possibly documented there and then when they occurs. It teaches one of.

Too short to point out possible physics and one basic theory. Physics in the events above are expressed as necessary instrument in the realization of phenomena: Movement of objects from A to B with sound attached is difficult otherwise than the expression of electromagnetic forces. The same applies to striking stop movements. gels, 'sunburn', muscle contraction ions, "boiling" of water (450 MegaHertz give cleavage of oxygen) and change of object characteristics and can her the position effect above. Headache and feelings of uneasiness can be an effect of ion composition of air. Non-sensory born odor experiences will presuppose one local impact of the brain. ("Poltergeist" sounds are technically registered and seems to be generated from within the object, most likely as an effect of varying and powerful magnetic fields.)

Sunburn without sun, objects such as thrown from the loose air, muffin like occurs, and the bell that disappears yourself - there are limits to all faith. This is reindeer herd nonsense and contrary to scientific knowledge - physics as psychology. So

54

Activities that appear as goal-oriented, controlled, also makes use of the same physical mechanisms, but what with the controlling body itself? There is the jury out, and this is where it gets worse

Parapsychological Notes No. 84/2017

Page 6

for the skeptic - and also others. Yes, poltergeist phenomena can be controlled; ie adapt to the situation and steer towards one goal. Objects that change the course of supervision letting go of themselves in the kindergarten study is an example of this; muffin in children's hands and the bell-disappearance as well. It's not here longer room for doubt: There is a goal leading body behind such phenomena. It's on this point my article "A validity-rating by Tom Strømnes (2013): The power of the spirits" in this issue is relevant. This shows that there is reason to take the clairvoyant's reports seriously. Ein frame of reference of greater width than hitherto is also required (see the section **The assessment ring**, above). Poltergeist phenomena are part of a significantly larger subject area, both thematically and causally. - Here is do not have to go into the comprehensive the literature related to the various topics, apart from pointing out in particular the coincidence between the power observations of the Spirits and Erlendur Haraldsson's (2012) extensive and carefully conducted studies of contact with the departed from Iceland. The same debt also Anne Austad's (2014) recent Norwegian doctorate on the same topic.

Add one of the most clearly controlled the events in the kindergarten and the

all theoretical work also on the relevant the area. Shall one give room for one continuation of a mental factor after biological death, as nursery observers sions and related literature point to, a continuation of must also be provided the physics of the mental factor. This will most centrally apply the *quality factor* at our experiences; i.e. the "blue" in the blue, The "pain" in the pain. The underlying physics for this must be part of and integrated into the physics that supports the biological functions of the brain. This perception of the quality factor (qualia) is strongly different from the now common "everything is consciousness", which adds reason that explained what is waiting to be explained: consciousness. This is a step for far too early. The physics behind quality the factor of our consciousness is so far unknown. The following is essential non-locality for the quality factor at our consciousness. If this is correct, it will vera in line with contemporary quantum physics.

Built on the presented phenomena and the current literature, exists eit potential for interaction between it biologically dead and the living, shown by physical adaptation of activity and emotional nell and partly mental contact with

thematic literature as a basis, supports these "external instance" theory above. This means that it is an instance outside the person or persons involved which is assigned to the controlling and governing function, but with a capacity at this for interaction with persons. It is this instance that is clairvoyant identifies as deceased people—and thus collides with almost everything established knowledge. This is a high fence to skip, because biological, living brains know one sure is essential related to mental life. It's that too biological factor evolution uses as its arena and thus shows have primary weight. We must take this very seriously

selected individual. One key question is of course the physical form it continued (mental) instance has. The most obvious is to think of it as *information*, may primarily spatially located and accessible to living brains as emotional and sometimes mental experiences. This would also open up for a possible two-way interaction, where the continued mental instance can make use of the living brain's ability to think and feel. It is in other words not necessary to attribute the deceased's information representation an own, reasoning ability. This is of course only speculation with it the knowledge we now have. The same debt

the mechanisms underlying the exercise of power, as it is expressed e.g. through moving objects.

The Poltergeist phenomenon is not over-naturlege. They are part of nature, however outside our knowledge.

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