Installation Instructions



Carefully open one end of each of the two mailing tubes. (You will be reusing the tubes to return the exhibit, so please do not cut into or tear the tubes' cardboard.)



Carefully remove the exhibit stands and cloth carriers from the larger of the tubes.



Save the round cardboard cover to reuse for returning the tubes.



Remove each of the stands and their respective arms from the cloth carriers.



Carefully open the aluminum stand base.



Place the extension arms into the stand base, with the plastic hooks pointing towards the front of the stand (front is two legs, back is one). Repeat for other three stands.



Now carefully open one side of the smaller mailing tube. This also will be reused. There are two art tubes enclosed. Each art tube contains two of the exhibit banners.



To open the tubes, unscrew the plastic caps on the tops of each tube.



After the tube cap is open, you will see the two rolled-up posters within. Be careful removing these, as the grommets in them can catch on the side of the art tubes.



Note the grommets.



Once removed from the tube, place the two rolled-up banners on a clean, dry, surface, and slowly unroll.



For the next step, go and find someone to help you separate the banners and move into position for hanging.



To avoid bending the banners, use a second person to lift and hang each of the banners on the stands.



Carefully hook the top two grommets over the plastic hooks on the extension arms.



Then carefully do the same for the bottom two grommets. It is easy for the stands to fall over during this step, so have an assistant hold the stand upright while the final two grommets are hooked into place.



Note the grommets hooked over the plastic stand hooks. Once all four grommets are in place on the stand, the exhibit banner should be rigid.



Here you can see the first of the four banners, erected. Repeat these steps for the other three banners and stands.



To return the banners, reverse these steps and securely tape up the mailing tubes prior to using either Fed Ex Ground Service, or UPS Ground Service with insurance. For the two tubes, the Return Postage with insurance should fall between \$20-40, it is estimated.

The Science of Zombies: preasing up truth ABOUT the UNDERD

In 1980, a man missing for 18 years was discovered alive in a village in Haiti. His name was Clairvius Narcisse, and he claimed that he had been turned into a zombie. His case received international attention because he had been declared dead at the Albert Schweitzer Hospital in Deschapelles, Haiti, by American trained doctors. Researchers at the Mars and Kline Psychiatric Center claimed the Mars and Kline Psychiatric center claimed

Haiti, by American trained doctors. Researchers at the Mars and Kline Psychiatric Center claimed that this was the first medically verifiable case of zombification. Wade Davis, then a graduate student in ethnobiology at Harvard, was sent to investigate whether the "zombie powder" used in the Narcisse case might contain a natural drug that could be used in anesthesia and surgery.



Zombies have long been a part of Haitian Voodoo, or Vodou, folklore and tradition. Unlike the modern zombie, which rises from the dead to feed on the living, the Haitian version is raised by a Vodun om is ra 19, ti itian versi d by a Vi rcerer, a "b or," part of th el o secret 50 en controll 1 ciety, and th ed by h 2 are considered d ad, con ntily b d, e g up, d resurrected by "mag - 11 y are th its an ves, dep dofu ed as serva ıd si rmal conscio

The discovery of Narcisse gave Wade Davis reason to believe that there was some truth to the zombie myth During his investigation, Davis discovered what he believed to be one of the key ingredients in the "zombie powder," a tetrodotoxin derived from the pufferfish. This, combined with the Haitians' traditional belief in the power of the Vodun sorcerer's magic, may have contributed to the zombification process, as Davis describes in his popular 1985 book, The Serpent and the Rainbow.



The Science of Zombies:

In nature, there are many examples of insects practicing zombification. Certain bugs and parasitic worms have evolved to behave like minidure Vodun sorcerers, taking control of other (pecies, using them as their own zombies to ensure their survival.

Emerald Cockreach Wasp (Ampulex compressa)-To lay her eggs, the female wasp finds a cockreach (Periplaneta americana) and administers two precise stings. The first sting is to the roach's midsection, causing its front legs to buckle with brief paralysis. The second sting goes directly into the roach's head ganglia, or primitive brain, reaching an area that controls the escape reflex. The wasp then injects a mixture of neurotoxins, disabling the roach's normal escape response. Grabbing one of the roach's antennal, the wasp leads the roach into a burrow and then lays an legg on the larger bug's abdomen. With its metabolism slowed down considerably by the



ZOMBIE BUGA



neurotoxins, the roach is now able to live for days without food or water. The egg hatches and the emerging wasp larvag chews into the roach, consuming its organs for about a week until it weaves itself into a cocoon inside the roach carcass. After four more weeks a full-fixed wasp emerges.

> Tropical Parasitic Wasp (Polysphinital gutfreundi)-This Costa Rican wasp attaches a tiny egg to the belly or an orb-weaver spider (family Araneidae). After the worm-like wasp larva emerges from the egg, it injects chemicals into the spider, inducing it to weave an unusually shaped web capable of holding and camoufleging a cocoon. Next, after billing the spider and suching out its internal fluids, the larva pupates in a cocoon for several weeks. Suspended at the center of the web structure, and largely masked by a specialized decoration of silk known as a stabliment, it remains there until it emerges ds a fully snown wasp.

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Lancet Liver Fluke (Dicrocoelium dendriticum)-This parasitic flatworm attacks an ant's nervous system causing it to change its natural behavior. During the evening when temperature drops normally send ants below ground, infected ants will instead climb blades of grass and attach themiselves to the tops with their mandibles. Here they stay throughout the night, openly dangling in the air where they can easily be consumed with the grass by sheep or other cattle. Once inside the, cattle, the flatworms can then reproduce and start this unusual cycle anew.



The Science of Zombies: UNDERD PRISINES





Some of nature's most powerful mind-cikering "sockerest" may be found on the cellular level in the form of parasites. Toxolasma Gondil, for example, it a single-celled protozoon that infests most warm-blooded versbrates, inducting mise and humans, sometimes altering their behavior in remarkable ways.

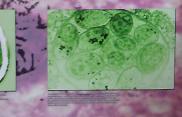
In a mouse, for example, 15 Condition induces anall alterations in the rodent's brain, causing it to become resultily simulated by the smell of east urine and to behave in ways that may increase its changes of being caught and consumed by a felline. This behavioral manipulation is purposeful, for only in the epithelial cells of a cat's intestinal walls can 1. Condit reproduce sexually, eventually producing millions of cysts, known as occysts, which are then excreted with the cat's faces. When new mite or other warmblooded vertabrates come in contact with these occysts, the cycle begins anew.

Humans are senerally exposed to the parasits by drinking contaminated water, pating raw or undercooked meat, or coming into contact with interced cat faces. While it is still widely believed to cause few obvious symptoms in people, one-researcher may have found evidence to the contrary.

Tests by Jaroslav Flegr, an evolutionary biologist at Charles University in Prague, demonstrate that people testing positive for Y. Condii may undergo sitight changes in personality. For example, males with the parenter may become more introverted, suspicious, and more likely to divegard rates. They also may become less concerned with which others think about them, particularly their appearance. Women show the opposite effects. They are sliphily more outgoing and more than before the infection, as well as more app to follow rates;



Even more (ascingting is the fact that through two major epidemiological studies in the Coch Republic, Flegr discovered that people who tested positive for the parasite are about two and a half timer more likely to be involved in traffic accidents than those uninfected. Two separate Turkish studies affirmed these surprising results. Because of these findings and the their number of people infected with 'T. Condii worldwide (according to the journal of International Parasitology, upwards of one-third of the world's population.) Flegr believes that several hundred thousand road about a year may be directly attributable to Toxoplasma Gondii's mind-altering powers.



The Science of Zombies: A FUTURE APOCHUPSE?

Is a Zombie Apocalypse possible? Based on new research and the fascinating tale of a neurodegenerative disease called Kuru, the answer to that question is more interesting and complicated than you may believe.



In the mid-20th century, among the Fore natives of Papua New Guinea's Eastern Highlands Province, an epidemic broke out that became known as the "shivering disease," or "Kuru" in the Fore language. Over a thousand afflicted tribe members died, but not before deteriorating, both physically and mentally, many with symptoms such as memory loss, excessive limb shaking, personality changes, hallucinations, anxiety, paranoia, spontaneous laughter, and psychosis.

> Researchers realized that Kuru was likely being transmitted through the Fore members' ritualistic "endocannibalism," or the eating of their decegsed loved ones as part of their burial rituals. It is now widely believed that what was being transmitted during these rituals were malformed proteins known as prions.



Prions are similar to viruses yet contain no nucleic acid, and are thought to be associated with Transmissible spongiform Encephalopathics, or TSEs. While it was once believed that TSEs could not be transmitted via the air, researchers from Germany and Switzerland proyed otherwise in 2011, when they successfully infected mice with an defoolized TSE known as Chronic Wasting Disease.

Because TSEs may cause classic "combie-like" traits, and because there is currently no cure for any of the known prion-based diseases, tracgine the resulting epidemic that may follow were a TSE to become airborne: millions of delusional humans stambling, around, trembling excessively, behaving erraitally, even violently, and all contrally dying. Were such a scenario to occur naturally among any of the prion-based diseases, a future zombie-like apocalypse may prove more possible than originally thought.

