



Veterans
MedCann[®]
A Research Center For Brain Health

COLLABORATING PARTNERS



PATIENTS
OUT OF TIME



VETERANS CANNA-BIZ
EDUCATION • TRAINING • CERTIFICATION
BUSINESS DEVELOPMENT



Research Director - Dr. Jon Fellus MD. Neurologist, Traumatic Brain Injury Specialist, Researcher

Clinical Psychologist - Dr. Cathy Atkins PHD. Research Coordinator

Director of Strategic Alliances - Dr. Jim Hart CEO, Neuella.com

Medical Director - Janice Knox MD, MBA, Founder of The American Cannabinoid Clinics

Facility Director - Mary Lynn Mathre, Founder of Patients Out Of Time

Director of Grow Operations - Roland Cordova - President of U-Grow Rentals SPC

Facility Development Coordinator - William Carroll, President of Veterans Cannabiz SPC

ECC Test Lab - Virginia's first cannabis testing lab in Ashland, VA

Presents **53 acres** of historical, beautiful, serene riverfront property in VA. **Dedicated to research, education, and health for our military veteran community.**

PROPERTY ACQUISITION COMPLETE.

PROPERTY

53 Acres

**Corporate
Office**

**Riverfront
Property**



Multi-purpose Room
(Special events and Meetings)

What if everything we understood about mental health was misdirected?

What if the entire world of psychology was proven to be flawed from its very inception?

It is well studied that the body has 2 brains, 1 in the head and the other in the gut. The two are then connected by the longest cranial nerve called the vagus nerve. Anti-depression medication has long been used for digestion issues. The philosophy has always been to change mental disorders using pharmaceutical medications. How many doctors have understood that it does not make sense to use strong chemicals in order to treat many disorders like schizophrenia, bi-polar, migraines, addiction, PTSD,

Pandas disorder, (Pediatric autoimmune neuropsychiatric disorder associated with strep, anxiety, depression and more?

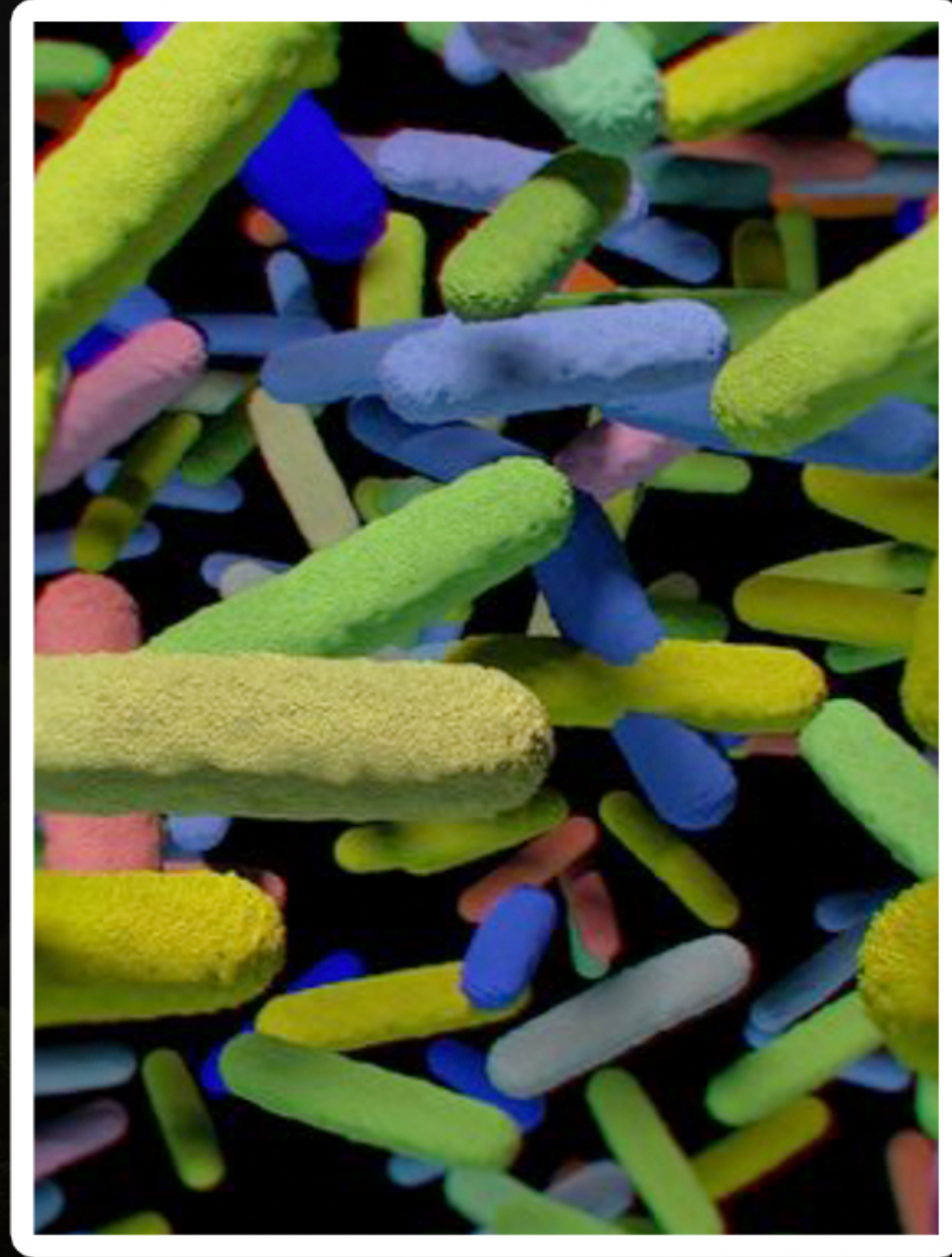
These are symptoms of the imbalance in the body but not the problem.

What if we were from the very beginning looking in the wrong place? What if the cure as well as the imbalance was not in the head at all? Over the last 10 years new worlds have been discovered that could revolutionize our thinking on how gut health plays a much larger roll on brain health than ever before. That would be the microbiome and the endoCannabinoid system. What would be the mental benefits of detoxification removing overgrowths of bad bacteria (yeast, fungus, mold and parasites), rebuilding the microbiome, stimulating the ECS with micro-dosing with cannabinologic therapeutics, rebalancing serotonin and dopamine levels, then raising oxygen levels to optimal levels using Hyperbaric Oxygen Therapy and nutrition with a diet to maintain gut health.

— THE GUT BRAIN AXIS

The gut-brain axis (GBA) is a bidirectional link between the central nervous system (CNS) and the enteric nervous system (ENS) of the body. It involves direct and indirect pathways between cognitive and emotional centres in the brain with peripheral intestinal functions. In addition, the GBA involves complex crosstalk between the endocrine (hypothalamic-pituitary-adrenal axis), immune (cytokine and chemokines) and the autonomic nervous system (ANS). The GBA primarily combines the sympathetic and parasympathetic arms of the autonomic nervous system (ANS), which drives both afferent and efferent neural signals between the gut and the brain, respectively. The HPA axis meanwhile coordinates adaptive responses against stress, including activation of memory and emotional centres in the brain's limbic system. The neuro-immuno-endocrine mediators of the GBA allow the brain to influence intestinal function (immune cells, epithelial cells, enteric neurons, and smooth muscle cells). Moreover, the gastrointestinal (GI) tract cells are also under the influence of the gut microbiota. Recent evidence suggests an emerging concept whereby the microbiome plays an important role in the GBA structure.

THE MICROBIOME



The microbiome refers to all microorganisms in or on their host as well as their genetic material. On the other hand, the microbiota defines the microbe population in a specific ecosystem, such as those populations found in the gut microbiota or skin microbiota. There are approximately 10 microorganisms within the gut, which is around 10 fold more cells than there are cells in the human body. Collectively, the genetic material of the microbiome is approximately 150 times greater than the human genome, which has led some scientists to label the microbiome as a superorganism. In recognition of this superorganism and the mutualistic co-evolution of humans and microbes, the Human Microbiome Project was set up to analyse this unique relationship to determine its role in health and disease. This is particularly important given the rise in modern antimicrobial treatments, disinfectant use and harsh cleaning products that are frequently marketed and sold as necessary for good human health. Within the gut, the bacterial phyla Firmicutes and Bacteroidetes are approximately 75% of the gut microbiota, and both of these phyla are very sensitive to change. Disruptions to the microbiome are increasingly becoming associated with the prevalence of allergies, autoimmune diseases, metabolic disorders and neuropsychiatric disorders that affect today's society.

— THE ENDOCANNABINOID SYSTEM

For many suffering from chronic illness, cannabis is a godsend. From those dealing with the wrath of inflamed digestive systems, to the ones combating global musculoskeletal pain, and the millions who report that the agony in their heads is just the beginning of their symptoms—cannabis can help these fighters with their load of physical woes.

The ECS is present in every major bodily system, which is how its dysfunction can theoretically cause such a variety of conditions—and how cannabis manages to treat them.

But why? To explain, we need to back up a bit. You probably know that cannabinoids (like the popular CBD and THC) interact with the body's endocannabinoid system (ECS), and that our bodies produce natural endocannabinoids that work with the ECS receptors to maintain health in all the other bodily systems. But do you know what happens when we don't produce enough of these endocannabinoids?

— CLINICAL ENDOCANNABINOID DEFICIENCY

The theory of Clinical Endocannabinoid Deficiency (CED) explains that these health conditions are due to a deficiency in endocannabinoid levels, akin to the way neurotransmitter deficiencies are behind other illnesses—like serotonin deficiency in depression. In other words, the theory posits that the cause of these syndromes is an insufficient amount of endocannabinoids functioning in the ECS.

The theory was first posed by Dr. Russo in 2001. Since then, he's published several more well-cited papers on the topic.

“The vast majority of physicians just have no background in the ECS. It's just not being taught.”

— CLINICAL ENDOCANNABINOID DEFICIENCY

Clinical Endocannabinoid Deficiency (CECD) is a condition where an individual produces a lower amount of cannabinoids than experts consider to be essential in the promotion of health, vitality, and well-being.

Scientists now believe CECD may play a role in the following conditions:

- Fibromyalgia
- Pain
- Anorexia
- Depression
- Irritable Bowel Syndrome (IBS)
- Migraines
- Multiple Sclerosis (MS)
- Post-Traumatic Stress Disorder (PTSD)
- Neuropathy
- Huntington's
- Parkinson's
- Motion Sickness
- Autism

COLON HYDROTHERAPY



The Gut, or the second brain, is proving that it does much more than merely handle digestion, but in connection with our main brain, partly determines our mental state and plays key roles in certain dis-EASEs in our body. The second brain running from the esophagus to the rectum contains some 100 million neurons, more than in either the spinal cord or the peripheral nervous system. As important as the neurons in the gut, is the kind of bacteria found there. What do they have to do with psychiatry? The gut and brain have a steady ability to communicate through this nervous system, hormones, and the immune system. The communication is driven from gut bacteria that can alter the biochemistry of our brain (in our head). The notion that the state of our gut governs our state of mind actually dates back more than 100 years. Many 19th and 20th-century scientists believed accumulating wastes in the colon triggered a state of "autointoxication," whereby poisons emanating from the gut produced infections that were linked with depression, anxiety, and psychosis. Patients were treated with colonics and enemas until these practices were dismissed as quackery.

Currently, John F. Cryan, PhD, a neuropharmacologist and microbiome expert from the University College Cork in Ireland, is one of the scientists at the forefront of exploring the link between gut and brain health today. Dr. Cryan and his colleagues discovered that when mice are bred in sterile conditions – lacking of beneficial bacteria (think the Standard American Diet) – they do not interact with other mice and behave with social awkwardness. Also, when they disrupted the microbiome, the mice mimicked human anxiety, depression, and autism. So what are we to do? The answer has always been there. It's not the easiest one and it takes commitment and dedication, but eating a healthy diet is, and always will be, the vintage solution. There will continue to be studies that steer us to one belief to the next, but the most important thing is listening to our gut, the most intelligent healer of all, to understand what works for individual needs.

— HYPERBARIC OXYGEN

The direct connection between oxygen deficiency and disease.



"Cancer has only one prime cause. It is the replacement of normal oxygen respiration of the bodies cells by an anaerobic (ie., oxygen deficient) cell respiration."

-Dr. Otto Warburg (Two time Nobel Laureate, Winner of the Nobel Prize for cancer research)

"Simply put, disease is due to a deficiency in the oxidation process of the body, leading to an accumulation of toxins. These toxins would ordinarily be burned in normal metabolic functioning. "

-Dr. Albert Wahl

"In all serious disease states we find a concomitant low oxygen state... Low oxygen in the body tissues is a sure indicator for disease... Hypoxia, or lack of oxygen in the tissues, is the fundamental cause for all degenerative disease. "

-Dr. Steven Levine (Renowned molecular biologist, Author, "Oxygen Deficiency: A concomitant to all degenerative disease)

— SYMPTOMS OF OXYGEN DEFICIENCY

Scientists like Dr. Way and many others now believe that the initial symptoms of oxygen deprivation- Which in actuality constitutes the gradual oxygen starvation of the body's seven trillion cells are as follows:

- Overall bodily weakness
- Muscle aches
- Depression
- Dizziness
- Irritability
- Fatigue
- Memory loss
- Irrational behavior
- Chronic hostility
- Circulation problems
- Poor digestion
- Acid stomach
- Lowered immunity to colds flus and infections
- Bronchial problems
- Tumor and deposit buildups
- Bacterial, viral, and parasitic infections

— SYMPTOMS OF OXYGEN DEFICIENCY

Oxygen is our greatest energy source.

Oxygen increases stamina and endurance.

A vital ingredient to health, vitality, physical stamina and endurance is maintaining proper oxygen levels in the body. Oxygen is the primary source of energy. It is the fuel required for the proper operation of all body systems. Oxygen is our life force. We can only live a few precious moments without oxygen. 90 percent of our energy comes from oxygen.

Only 10 percent comes from food and water.

Oxygen affects the brain and memory.

One of oxygen's most important functions is that it allows the brain to process billions of pieces of information every second. Our ability to think, feel, and act are all dependent on oxygen. It also calms the mind and stabilizes the nervous system. Oxygen heightens concentration and alertness. Without oxygen brain cells die quickly... And unlike our liver cells, our brain cells cannot regenerate which results in memory loss. As we age and oxygen deficiency increases, it takes longer to learn, and retention span is decreased.

— HYPERBARIC OXYGEN CHAMBER



Hyperbaric oxygen increases the barometric pressure on the body. Which increases the uptake of oxygen in the body, expands lung capacity, increases blood flow and circulation, and creates a supersaturation to blood and tissue fluids. This uptake of oxygen in the body enables the body to utilize oxygen better, function more efficiently and promote healing and fitness. The affects of this HBOM therapy are cumulative achieving greater, longer lasting benefits with each treatment.

— THERAPIES OFFERED

Other therapies offered will be:

Fascia Manipulation

Chemical Detoxification

Live Food Nutrition and Supplementation.

FABRIC TENSION BUILDING



20,000 SQ FT building developed by Legacy Building Solutions.

This facility will be dedicated to research, education and training.

U-Grow Rentals SPC has developed a portion of the building with indoor hydroponic grow rooms to allow health care professionals to grow strain specific cannabis for their patients.

— AMENITIES AND SERVICES

- Healing Garden
- Horse Therapy
- Live Food Farming
- Yoga
- Massage
- Steam Saunas
- Counseling
- Job Placement
- Hemp Farming

COMING SOON

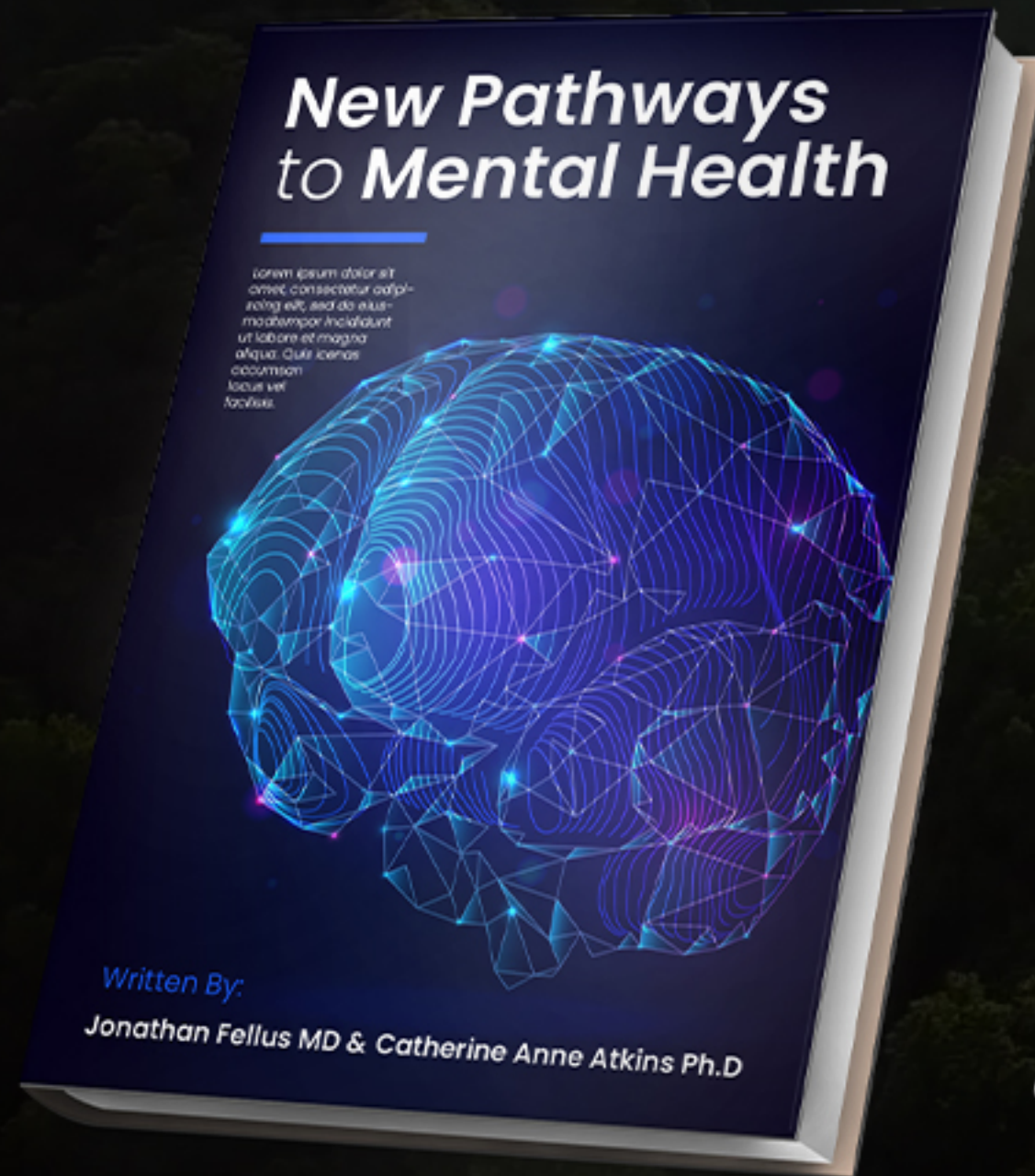
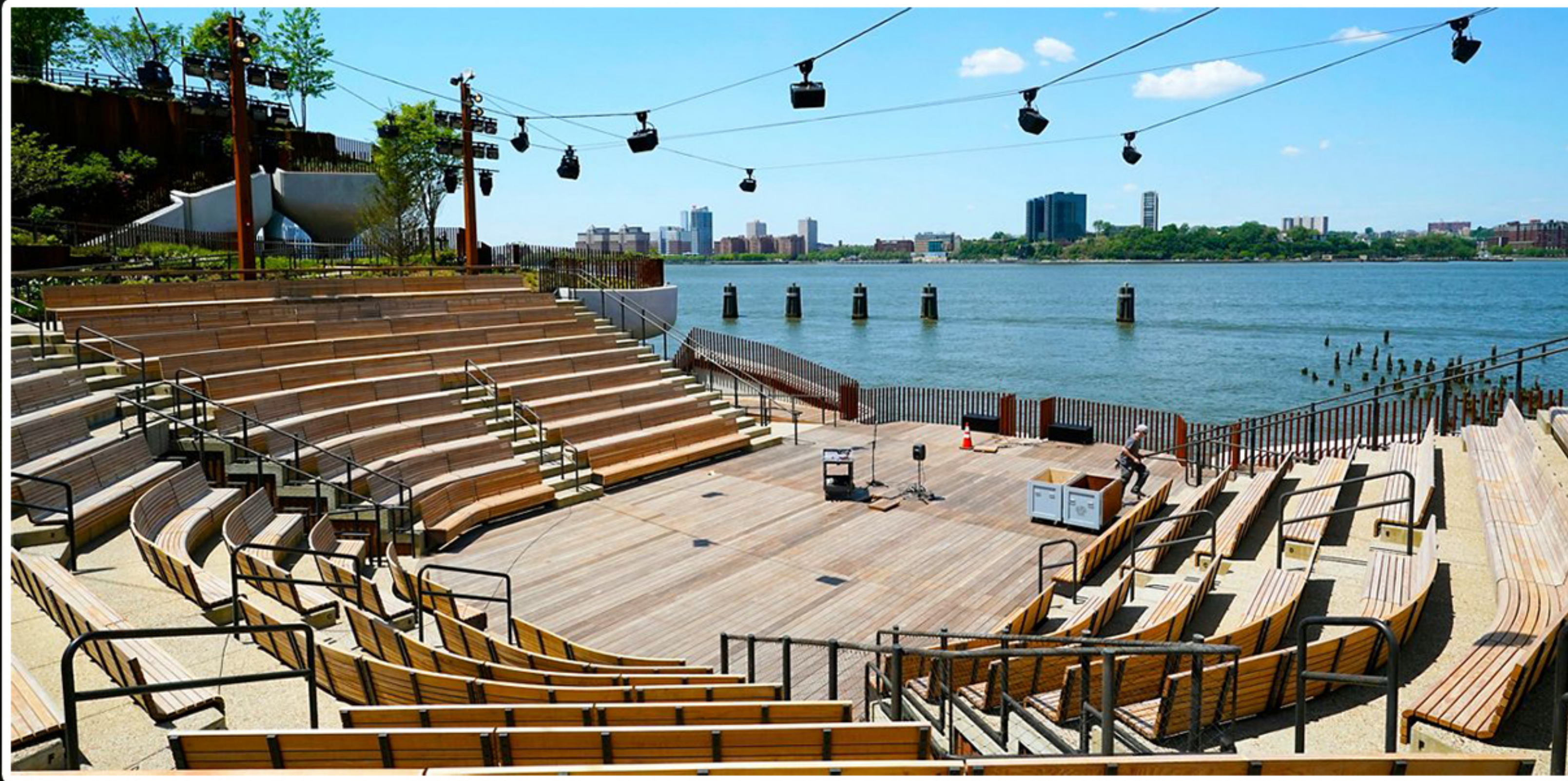


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— AMPHITHEATER



Intimate concerts on the river with military brothers and sisters in our 700 seat amphitheater.

— FELLUS & ATKINS CENTERS FOR BRAIN HEALTH



FELLUS & ATKINS
CENTERS FOR BRAIN HEALTH

— FUNDING OPPORTUNITIES



A military crowdfunding campaign platform is being developed by Veterans Canna-Biz as well as other fundraising efforts , They are developing products that will be raffled to our military community. We look forward to using the platform "Veterans Empowering Veterans". Here is a small sample of ideas that will be used in these campaigns.

HERO 13 MOTORCYCLE



HERO 13

We will be raffling a military tribute motorcycle designed and built by Iron Hawg custom motorcycles named Hero 13. It will give tribute to the 13 military soldiers who died in Afghanistan.

— AUTOGRAPHED MILITARY TRIBUTE RIFLE



One military tribute rifle made by Henry's Repeating Arms that will be personally autographed by Ted Nugent the musician.

HUNTING TRIP



One 4 day, 4 person hunting trip at the Camelot Ridge hunting lodge in Indiana. If possible due to scheduling Ted Nugent would like to participate.

TESLA CYBERTRUCK



The Tesla Cybertruck will also be raffled but will not be available until October 2022 when production starts.

— RAFFLE WINNERS

All raffle winners will receive their prizes at the first concert that will be held in the 700 seat amphitheater.



This facility is being developed to allow **Veterans to empower Veterans**. Finally the research can be done to help our Veterans with PTSD, depression and suicide.

