MY TAKE From an Industrial Design Engineer's Perspective

My far-future opinion on where R&D should be headed by 2050.

1.) MEAT LAB GROWN and PLANT-BASED PROTEIN-

coroflot.com/GeneKWalker/MEAT-LAB-GROWN-and-PLANT-BASED-PROTEIN

Cellular Livestock Agriculture

Cellular livestock agriculture is a rapidly evolving field that aims to produce animal products, such as meat, seafood, milk, and eggs, with minimal or no

use of animals. This innovative approach combines biotechnology, molecular biology, tissue engineering, and synthetic biology to create sustainable alternatives to conventional farming. The techniques and applications of cellular agriculture are revolutionizing food production and material innovation, offering more sustainable, safe, and ethical alternatives.

Cellular agriculture can enable widespread production of animal proteins, particularly cultivated beef, which is well-positioned to become a sustainable consumer choice. It addresses the environmental impact of conventional livestock farming, which includes greenhouse gas emissions, land use, and water consumption. The ethical dimensions of cellular agriculture resonate with consumers concerned about animal welfare in industrial farming systems.

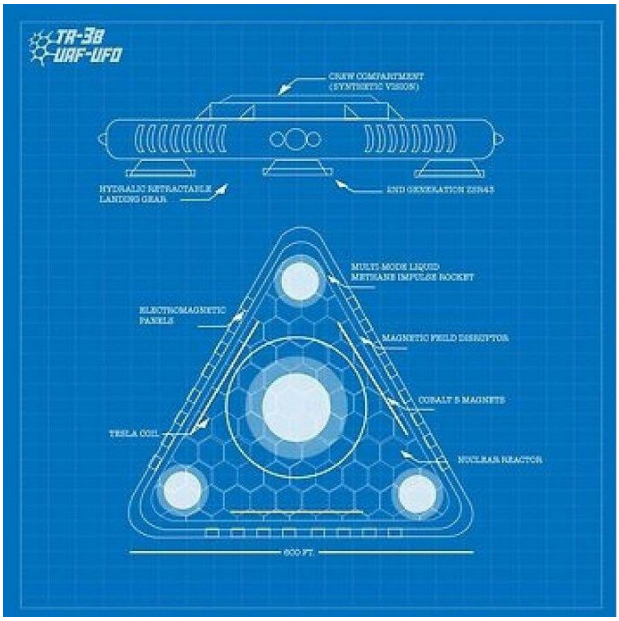
The economic implications of cellular agriculture are complex and multifaceted, with some foreseeing it as a disruptive force that could threaten traditional farming livelihoods, while others view it as a complementary technology that could create new opportunities. These opportunities might include supplying inputs for cellular agriculture production or processing agricultural by-products into ingredients for cell culture media.

Cellular agriculture is poised to enable the widespread production of animal proteins and fats from cells of numerous land and sea species, contributing to making food systems more secure, resilient, and sustainable. Cultivated beef is singularly well-positioned to complement sustainable methods of conventional beef production.

When we finally evolve as a civilization beyond slaughtering our food, only then will we be looked upon more favorably by advanced Type Two and Three civilizations.

THE BEEF, POULTRY, SWINE, AND FISH INDUSTRIES AND NEED TO ACCELERATE AND MASTER THE SCIENCE OF CELLULAR PROTEIN AGRICULTURE for the growing sustainable global consumption needs by 2050.

2.) PROPOSAL TO RETROFIT COMMERCIAL AIRLINERS & HELICOPTERS with 'TYPE ONE CIVILIZATION' EM TECHNOLOGY-



coroflot.com/GeneKWalker/PROPOSAL-TO-RETROFIT-COMMERCIAL-AIRLINERS-n-HELICOPTERS-with-TYPE-ONE-CIVILIZATION-EM-TECHNOLOGY

The weight of a fully loaded passenger or cargo airliner upon takeoff and landing can vary significantly, including the weight of the empty aircraft, plus the weight of fuel, cargo, and passengers. **All this weight on TAKEOFF / LANDING WITH NO 'TYPE ONE CIVILIZATION TECHNOLOGY EM VTOL SYSTEM' IS A RECIPE FOR DISASTER!**

DESIGN SOLUTION:

NUCLEAR-POWERED MERCURY PLASMA ELECTROMAGNETIC (EM) GRAVITY-NULLIFICATION VTOL PODS mixed with **JET ENGINES**. Retrofit existing and older aircraft with mini-EM Null Gravity engines to make global commercial aviation much safer. THIS PROPOSAL IS A GRASSROOTS ATTEMPT AT LIMITED DISCLOSURE-- JUST ENOUGH TO SAVE LIVES.

Retrofitting existing and new conventional aircraft with mini-EM Null Gravity engines to make GLOBAL commercial aviation much safer. The Null G mini-engine prototype concept is based on magnetic flux field disruptor technology that neutralizes the majority of the mass gravity of the vehicle within proximity; the research of Sandia/Livermore Labs.

This concept will enable commercial passenger aircraft to hover, allowing for vertical takeoff or landing (VTOL) as softly as a feather, making global commercial aviation much safer. No more crashes, no more air disasters. TYPE ONE CIVILIZATION EM tech exists to give the passenger aircraft more maneuverability than just hurdling forward with no ability to stop in midair and hover, or VTOL.

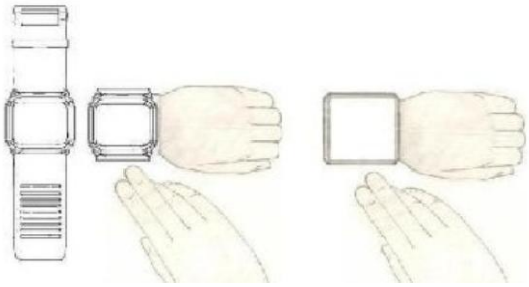
SHIELDING TECHNOLOGY in 2025 HAS IMPROVED SINCE THE NUCLEAR-POWERED AIRCRAFT RESEARCH OF THE 1950s-60s.

2025 IS THE YEAR OF UNOFFICIAL -(NEITHER CONFIRM NOR DENY)- "OFFICIAL DISCLOSURE"... COMMERCIAL AVIATION, THE GLOBAL PASSENGERS MARKET SHOULD BENEFIT FROM THIS, IN THE FORM OF SAFER AIR TRAVEL.

GLOBAL GOVERNMENTS WITH UAP BLACK PROGRAMS (CHINA, RUSSIA, ENGLAND, ITALY, JAPAN, CANADA, UNITED STATES) IGNORE CIVILIAN COMMERCIAL AVIATION CRASHES TO KEEP SECRETS, THEY DON'T CARE IF CIVILIAN POPULATION TRAVELS IN PRIMITIVE, ANTIQUATED, UNSAFE, PRESSURIZED TUBES WITH LIFT SURFACES ATTACHED TO INTERACT WITH THE AIR-- AND NOTHING ELSE! NO GRAVITY NULLIFYING 'TYPE ONE' TECHNOLOGY ALLOWING FOR VTOL, JUST TO KEEP THIS LIFE-SAVING TECH SECRET FROM OUR ADVERSARIES-- WHO ALSO HAVE THE SAME TECHNOLOGY AND ARE ALSO UNWILLING TO SAVE CIVILIAN LIIVES, JUST TO KEEP IT SECRET... THIS IS UNACCEPTABLE.

Enough is enough! Aren’t you tired of all these airline fatalities that could easily be a thing of commercial aviation’s past? Planes and helicopters falling out of the sky in 2025! THIS IS UNACCEPTABLE!! It’s time to make the GLOBAL airline industries MUCH SAFER.

3.) DATALINK & SPATIAL COMPUTING GLASSES: Future Wireless AI Communication-



coroflot.com/GeneKWalker/DATALINK-n-SPATIAL-COMPUTING-GLASSES-Future-Wireless-AI-Communication-Internet-Inspirations

SPATIAL COMPUTING GLASSES / DATALINK TECHNOLOGY: FUTURE SMART WEARABLE TECHNOLOGY will replace the cellphone in popularity and function by 2050. Considered the gateway to sentient, interactive Global A.I. or integral interactive global aether consciousness, the Quantum Molecular Deduction era is an evolutionary advance in intuitive intracranial interface cloud computing, capable on command of disseminating biometric and psychometric data, at 40 Hz, directly into the user's mind, via an area of the brain’s claustrum complex called the endopirifori, located deep within in each hemisphere; consciousness and thought interface with technology.

FOR DARPA CONSIDERATION-AR/XR SEE-THROUGH OPTICS.

This must become a DARPA INITIATIVE. DARPA is partnering with the UNIVERSITY of TEXAS at Austin and its TEXAS INSTITUTE for ELECTRONICS RESEARCH CENTER, THE MGMM CENTER in Austin. This open-access 3D H.I. Manufacturing will foster a vibrant ecosystem of innovators from industry giants to agile start-ups, all working together to push the boundaries of microelectronics manufacturing. DELIVERED AND INTERACTED WITH AT SPECIFIC FREQUENCIES UP TO 40HZ.

3DH.I. MICROELECTRONICS DEVELOPMENT, VERTICALLY STACKING and INTERCONNECTING DIVERSE COMPONENTS and MATERIALS. CREATING HIGH PERFORMANCE SYSTEMS THAT SURPASS 2D TECHNOLOGY. THIS INNOVATION ALLOWS SPATIAL COMPUTING TO MOVE BEYOND THE LIMITATIONS OF SILICON, INTERGRATING NEW MATERIALS TO ACHIEVE CAPABILITIES FOR THE DEPARTMENT OF DEFENSE and COMMERCIAL APPLICATIONS, WITH AI VIRTUAL COMPUTER SCREEN, AR, OR XR MODES AT FREQUENCIES UP TO 40HZ. DATALINK SOFTWARE CONVERSION / INTERACTION IN BOTH DIRECTIONS. (SCG), Spatial Computing Glasses are (IBS) International Biometric Society, and (PS) Psychometric Society, Neuro-Algorithm Program Certified. Used with DataLink AI Agent Device intracranial interface cloud computing, capable of on-command dissemination of biometric and psychometric data, at 40 Hz, directly into the user's mind.

3D H.I. MICROELECTRONICS NEUROTECHNOLOGY DEVELOPMENT. MILITARY and COMMERCIAL APPLICATIONS of SPATIAL 3D H.I. COMPUTING GLASSES TECHNOLOGY are Limitless. It will be the engine of tomorrow's breakthroughs, driving innovation across industries and ensuring US Leadership on the global technology stage.

Neuromorphic Quantum Architectures: The intersection of quantum information and neural computation is giving rise to neuromorphic quantum models, where quantum circuits emulate the parallelism and adaptability of biological brains. Quantum neural networks (QNNs) leverage superposition and entanglement to achieve exponential scalability in certain tasks, and the injection of hyperbolic circuit principles may open up new avenues for

building even more powerful QNNs. As described in recent reviews, “QNNs could inspire new neuromorphic designs, employing quantum algorithms to model phenomena such as associative memory and probabilistic reasoning.”

BOE NTS FILM AR TECHNOLOGY. A SIMPLE, COST-EFFECTIVE, ELEGANT DESIGN SOLUTION FOR MASS PRODUCTION. LCD is a liquid-crystal display, and uses thin-film nano-liquid crystal display (TFT-LCD) technology, which consists of a layer of liquid crystal sandwiched between two glass substrates; the upper glass substrate is a color filter. The lower glass layer is inlaid with electro-crystals. The electric field created by the electric current passing through the crystal makes the original rotational arrangement of the liquid crystal molecules twist, thus changing the rotational amplitude of the light passing through and shining on the color filter in different proportions, thus producing different colors. The nano-transparent screen film material (NTS) is as thin as a human hair and capable of showing detailed images with a high degree of color and light clarity. It is light and flexible, and its transparency can be adjusted, with the screen capable of showing the most detail at its most opaque.

SCG TECHNOLOGY WILL BECOME INDISTINGUISHABLE FROM REGULAR EYEGLASSES BY 2050. MEMORY ENGRAM (MEMGRAM) UPLOADING EDUCATION BECOMES FEASIBLE. As SCG Technology evolves and becomes more refined, sophisticated, and miniaturized, smart wearables will be seen as a sign of prestige and an essential tool for successful daily living.

UARC RESEARCH and DEVELOPMENT OF SCG TECHNOLOGY for COMMERCIAL APPLICATION. NEURAL SIGNAL PROCESSING PATHWAYS. 3D H.I. ELECTRONICS WILL ALLOW FOR SEAMLESS BRAIN COMPUTING INTERFACE (BCI). THE FINAL FRONTIER IS NOT SPACE, IT’S THE HUMAN MIND. Business AI Agents curated WORK TOGETHER with SCG TECHNOLOGY. SCG integrates AI into eyewear as a bespoke personal AI assistant. That will enable user interaction with processing raw data, news, and pertinent information more efficiently.

CONCIERGE AI DATA DELIVERED TO SHORT AND LONG-TERM MEMORY FOR INTERACTION.

The user sees in their visual field (SCG GLASSES) and FEELS interactive consciousness, in real-time, including translation of foreign languages, reading of documents, telepresence, satellite GPS navigation, and 24/7 interaction with your bespoke AI agent on command. Bespoke S.C.G. AI Agents will become a powerful Business Tool.

FOR DARPA CONSIDERATION--FIRST PERSON VIEW MILITARY APPLICATIONS of SPATIAL COMPUTING GLASSES TECHNOLOGY is Limitless for National Security and Economic competitiveness.

LAW ENFORCEMENT and MILITARY THEATER OPERATIONS. SCG TECH WILL ENHANCE THE WAR FIGHTER'S PSI ABILITIES: LAW ENFORCEMENT and THEATER OPERATIONS-Psionics (FPV, AR, MILITARY BATTLEFIELD MODE). Anduril and Microsoft Partner to Advance Integrated Visual Augmentation System (IVAS) Program for the U.S. Army Back Anduril and Microsoft Partner to Advance Integrated Visual Augmentation System (IVAS) Program for the U.S. Army-- www.youtube.com/watch?v=EwrAjxHpWLk

Control of AI swarms of Offensive Armed Airial Drones or Battlefield Combat Androids. First Person View (FPV) DRONES ARE THE FUTURE OF WARFARE.

HALO JUMP HEADS UP DISPLAY (HUD) LIGHTWEIGHT GOGGLES

BULLET-PROOF BATTLEFIELD HELMETS.