

# Bob Beck's Legacy

## BRIEF HISTORY OF BOB'S WORK AND INTERESTS

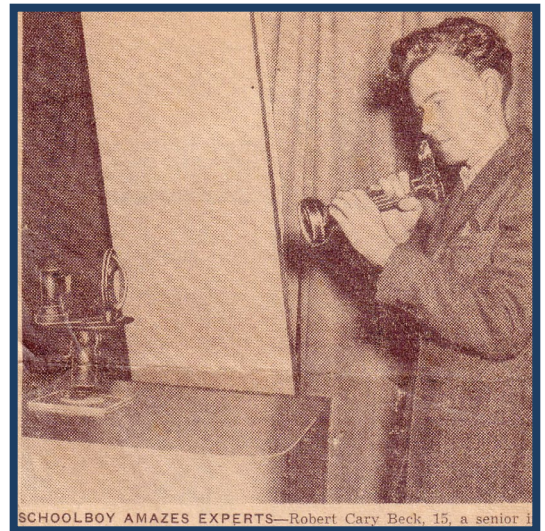
**Robert C. Beck**, D.Sc, (1925-2002) was an American physicist and inventor noted for developing several electronic health instruments. Two of his best known technologies are his Brain Tuner and the development of the Beck Protocol. The Beck Protocol includes the use of microcurrent therapy—also known as micropulsing, pulsed magnetic field therapy, drinking freshly ozonated water and the use of ionic colloidal silver. Beck's Brain Tuner, now called the Bio Tuner, was one of the first portable and easy-to-use cranial electrical stimulators, a CES unit. Bob Beck was dubbed “the people's scientist” by a colleague because it was always important to Dr. Beck that technology be understood, affordable and accessible.<sup>1</sup>

The following synopsis provides the basic accomplishments of Bob Beck's life.

### EARLY YEARS

**Robert Cary Beck**, or Bob Beck, as he preferred to be called, was an only child born on January 25, 1925 and raised in Dallas, Texas. Like a lot of Americans growing up during the Depression Era, his beginnings were modest. Bob's father, Robert H. Beck, was a structural engineer draftsman and his mother, Charlee, worked part-time as a schoolteacher and part-time as an accountant. He was also raised for a time by his grandmother.

Bob's fascination and creativity with electronics was present from a very early age. He scavenged junk and old car parts to build his own coils which were the source of many early experiments. Bob broadcast from his own ham radio station when he was only nine years old. Among his effects are several of his childhood drawings, including the schematics for a pocket radio he designed when he was 12 years old. At the age of 15, a newspaper article about young Bob titled “Schoolboy Amazes Experts” featured his invention of a talking flashlight. Bob's flashlight worked in the same way as a similar product created by General Motors' engineers. GM subsequently gave Bob an award for this amazing achievement.



## EDUCATION

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**Bob Beck attended** college in Phoenix, Arizona prior to attending the University of Southern California. In 1948, Bob completed a Bachelor of Engineering Degree from the University of Southern California, graduating in Industrial Engineering with a minor in Electrical Engineering. He went on to take courses that interested him in the fields of pathology, bacteriology, and chemistry among others. This gave him, as he said, “a general background in other lines of endeavor.” In 1955, at the age of 30, Bob received his Doctorate of Science from the Atomic and Nuclear Sciences Institute in Los Angeles. His dissertation was “Ionization Phenomena in Gaseous Conductors.”

Beyond the academic, Bob was a lifelong learner. In high school he developed a passion for photography. For many years he earned his living as a photographer and developed state of the art processes. He also had certificates and licenses in numerous other areas including a private pilot's license, radio certification, and emergency preparedness. For periods of time during his life, he immersed himself in the study of astrology and UFOs as well as many alternative health modalities. He investigated Tesla electromagnetics, psycho-physiology and electromedicine throughout his lifetime. In addition, he was actively involved in zero-point energy and the effects of electromagnetic energies on health and consciousness.

## WORK/CAREER

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**Bob Beck's academic work** was primarily in the field of engineering, electronics and physics. He made significant contributions to the development of scientific photography as well. In the 1960s, he added to ground-breaking work in the film industry with special lighting techniques.

Famed movie producer and director, Roger Corman, spoke of working with Bob on the 60's cult movie, *The Trip*. Corman described the special lighting effects produced by Bob as “absolutely original.”<sup>2</sup> Allen Daviau, famous for his cinematography on several Hollywood blockbusters, praised Bob's lighting work in those early days saying, “there was no one else in the Hollywood movie industry doing what Bob had developed.”<sup>3</sup> Bob Beck also developed lighting effects for several Hollywood celebrities like Paul Revere and the Raiders and Ann-Margret's Las Vegas show.

In a partial résumé, among Bob's personal papers, he explains that he researched the Aurotone Film Foundation and the life and death of Cecil Stokes. Then he says, “I reproduced the ‘secret device’ in 1964, and the resulting notoriety pushed me into demonstrating related light/sound/color devices publicly. In 1966 I wrote and published the *Light Show Manual*.”

For years his company, the Color Control Company, sold photos and slides of the Rose Bowl Parades, NASA space shots, UFOs, and more. In an early résumé Bob used famed Hollywood photographer and journal editor, Murray Garrett, as well as Don Prideaux, a Scientific and

Engineering Academy Award winner, as references for his work in the scientific development of photography.

His employment and engineering consulting services in earlier years were to such corporations as the Altec Lansing Corporation, Ocean Floor Development Corporation, LOOK magazine, Avac Laboratories and Lockheed Martin to name a few. In later years Bob was a consultant to such entities as the Eyring Research Institute, a top secret, mind research organization with a cooperative connection with the science departments of Brigham Young University. Eyring also investigated underwater communications and secret projects for the United States Navy. For several years he was a military consultant for his expertise on ELF (Extremely Low Frequency) technology. He also consulted for Sandia Corporation, an engineering and science laboratory as well as periodically presenting briefings for the CIA, DIA, NSA, and the Pentagon in ELF technology, psychological warfare, and crowd-control systems via non-linear electromagnetic radiation, including expert analysis of possible Soviet advances in related technology.<sup>4</sup>

## HISTORY OF BOB'S WORK AND INTERESTS

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**Bob Beck's work and career** was extensive and impressive. Following is a brief list of just some of Bob's accomplishments and achievements over his lifetime.

### Consulting Work

- 1970s–1980s: Eyring Research Foundation. Designed and built the first successful ELF (Extremely Low Frequency) magnetic telemetry communications link capable of total penetration of shielded environments such as missile silos and control centers, as well as consulting on highly-classified Scalar and underwater communications modalities.
- 1982–1984: Sandia National Laboratories. Designed and perfected extremely sensitive magnetometers for signal capture and identification.

### Teaching Assignments

Over the years, Bob taught several classes, courses, and workshops on a wide range of subject matter and gave many lectures and presentations in various academic institutions including University of California, Los Angeles (UCLA) and the University of Southern California (USC).

His teaching assignments included:

- 1940s: Chief Instructor of Radio Communications, Electronics and Math, at the Don Martin School of Radio Arts.
- 1968–1970: Senior Lecturer (non-tenured professor) in the Graduate School, USC, Dept. of Cinema, teaching Optics and Sensitometry to graduate students and doctoral candidates.

- Several seminars on electromagnetic influences on health.
- Invited participant and lecturer at numerous international conferences on electromagnetic medicine and chaired several committees in related subjects.

### Employment and Business Interests

- 1944–1945: Photographic Processes, A.J. Carr, Carr Matthews Enterprises, Los Angeles. Calculation, design, investigation, research and testing of gaseous conduction lamps.
- 1945–1946: Instructor, School of Radio Arts, Hollywood. Instructor of Communications and Math.
- 1946–1948: Chief Engineer, Wilcox Photo Sales Co, Los Angeles. Design, research, and manufacture preparation.
- 1948–1980s: Owner/Operator, Beck Color Laboratories and Color Control Company. An audio-visual slide and filmstrip laboratory.
- 1951–1953: Project Engineer for Lockheed Aircraft Corporation, Burbank. Research and instrumentation (optical, photographic, and electronic) on a classified phase of the development of Lockheed's F-94 interceptor in the Flight Test and Instrumentation Division, Dr. Howland's group.
- 1954–1956: Chief Engineer at Producers Service Corp. and Photo-Sonics Corp.
- 1958: Head of Research and Development for American Transistor Products Corp.
- 1958–1963: Founder, president, and sole owner of Monitor Electronic Research Corp. Designer and manufacturer of surveillance and counter-intelligence systems for government. These devices were inaccessible to the civilian sector.
- 1958–1963: Acting Chief of Radiological Defense, Office of Civilian Defense, Los Angeles.
- 1963–1966: Chief Engineer for Exotic Electronics Mfg.Co. Developed numerous new and novel devices in the photographic, optical, instrumentation, electronic and health fields.
- 1969: Founder, Alpha-Metrics Company. Designed and manufactured ethical biofeedback instruments for EEG, EMG, EKG applications.
- 1974–1980's: Executive Director of Bio-Medical Research Associates. Investigated holistic health systems including electro-acupuncture detectors and treatment devices and L-Field meters among others.
- 1978–1980's: Naval Office of Surface Weaponry. Developed signal transmitter/receivers for shield and water penetration, and extremely compact EEG/discriminator systems for personal evaluation. He also developed the most

sensitive system (at the time) for recovering H-Vector emissions of the “Soviet Woodpecker” transmissions.

Note: May 25, 1978 was the date that Bob proved for himself that the 10 Hz frequency being beamed from Russia was psychoactive. In 1987 he presented a lecture to the Global Sciences Conference titled Electromagnetic Ghostbusting – Finding Hidden Disease.

- 1979: Founded Bek Tek.  
The purpose was to manufacture advanced electronic systems.
- 1970's–1980's: Eyring Research Foundation.  
Designed and built the first successful ELF (Extremely Low Frequency) magnetic telemetry communications link capable of total penetration of shielded environments such as missile silos and control centers, as well as consulting on highly-classified Scalar and underwater communications modalities.
- 1982–1984: Sandia National Laboratories.  
Designed and perfected extremely sensitive magnetometers for signal capture and identification.

### Inventions and Other Discoveries

- 1946–1955: Designed and patented the first low-voltage, portable electronic flash as well as several other patents involving electro-optical systems (Patent #2498640).  
The patent was sold to J.E. Wilcox, who later sold it to 3M Minneapolis Honeywell.
- 1948–1950: Invented and patented a system for duplication of color film.
- 1948–1950: Designed and operated the lighting equipment used by MGM studios in making the Ektachrome color stills for the productions *An American in Paris* (1951), *Show Boat* (1951), *Skirts Ahoy!* (1952), and more.
- 1951–1954: Bob developed the three-dimensional Schlieren system for wind-tunnel display of gaseous flow patterns around airfoils, the micro-area spark-gap dot matrix timing recorders for GSAP instrumentation cameras, the IR and visible-light fire-control and optical-gradient navigation systems and several other advances that were classified, plus many useful and unique advances in instrumentation and data-recording technology.
- 1954–1956: Designed, and reduced to practice, numerous innovations in the optical systems and high-speed instrumentation cameras for the U.S. Air Force and Edwards Air Force Base. Also, designed, built and installed kinescope monitoring and video recording chains for TV broadcasting.
- 1959: Developed a telephone accessory dubbed Hands-Free Speaker Phone.

- 1960's: Provided the first and original psychedelic special effects in new drug-culture films of the late 60's.
- 1963–1966: Developed numerous products including “Infinite Impedance” (electrometer) voltmeters, portable color meters for the graphic arts trade, and several audio-related devices.
- 1967: Wrote “Color Games, Light Show Manual,” Pericles Press, 3rd Ed. The ELF discoveries came about as a result of “light show” technology.
- 1969: Developed an advanced EEG apparatus. Earlier, in 1964, when Bob was testing his ELF device, he made the accidental discovery that combinations of frequencies in a range of human and animal EEG spectra, could alter human psychophysiological responses and EEG signatures.
- 1970-1978: Developed the hand-held Magnetometer, an apparatus to detect the extremely low level geomagnetic pulsations, or ELF's, that according to Beck's papers, out-performed and was more sensitive than the Navy's flux-gate SQUID magnetometers.
- 1977: Robert C. Beck and Dr. Andrea Puharich presented information to the United Nations about the ability of ELF technology to penetrate even Faraday cages.
- 1978: Developed an improved, economical Negative Ion Generator under the trade name of “Miracle Fuzz.”
- 1983: Developed the Brain Tuner, one of the first portable Cranial Electrical Stimulators (CES device), based on research in Russia and other countries as well as the work of Meg Patterson.
- 1990's: Bob developed the first ionic colloidal silver generator for use in the home. He wanted to add silver as a home remedy to the blood cleanser he had recently invented and woke up in the wee hours one morning with the idea. His inspiration allowed anyone to make it inexpensively and safely in their own homes. Today, silver makers are readily available and several companies have become quite successful manufacturing the units or a silver solution. Few, however, realize it was Bob Beck that paved the way for this simple process of making ionic colloidal silver.
- 1991-1995: Developed the Beck Protocol, consisting of a blood electrification unit that pulsed gentle microcurrents into the blood, a pulsed magnetic field generator to reach the deep tissue, a water ozonator for drinking freshly ozonated water, and an ionic colloidal silver generator for making one's own ionic colloidal silver inexpensively at home.

## List of Awards

- 1981: Received the Award of Distinction from the U.S. Psychotronics Association (USPA) for original research in psychoactivity of non-linear ELF magnetic radiation.

- 1990: Named one of the first Fetzer Pioneers of the Fetzer Foundation for his pioneering work in electromedicine.
- 1998: U.S. Psychotronics Association award for Bob Beck's contributions to psychotronics in both theory, research and development of alternative health instrumentation and techniques.
- 2002: U.S. Psychotronics Association posthumous award for pioneering research in developing and perfecting the instrumentation to detect and transmit subtle energies.

## Associations

- 1958: Air Defense Command (USAF) as civilian coordinator
- Biological Photographers Association
- Audio Engineering Society
- Society of Motion Picture and Television Engineers
- 1985 & 1986: President of the U.S. Psychotronics Association. Bob was a member from the 1970s until he passed away in 2002.

## BOB BECK'S PASSING

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**On June 23, 2002** Robert Cary Beck passed away. His wife reported that he was hospitalized as a result of a fall. While in hospital, he died as a result of heart failure.

Considered by close friends to be a "giant of a man" there were few people that understood the scope of his research. Those who did, thought Bob to be ahead of current physics by several decades.

Bob's passions were science, healing, and spirituality. He freely shared those passions and his knowledge with others. Bob was a popular featured speaker at many alternative health events over the years. His notable expression, "Take Back Your Power" remains a plea for individuals to understand that the answer to health recovery and maintenance is in their hands and is available here and now through electromedicine.

## SOURCES

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**The content of this article** is based on Bob Beck's personal papers as well as interviews with those who knew him. The interviews were conducted for an upcoming more complete story of Bob Beck's life.

1. Telephone interview with Andrew Michrowski, June 15, 2005.

2. Telephone interview with Roger Corman, July 26, 2010.
3. Telephone interview with Allen Daviau, May 17, 2006.
4. This information is based on correspondence found in Bob Beck's effects.