

## ***CURRICULUM VITAE***

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### **PROFESSIONAL and ACADEMIC HIGHLIGHTS:**

- Co-initiator, Director of Communications Systems and Director of Marketing for the [Biosphere 2 Project](#). Raised \$2.5M in corporate sponsorships, eco-tourism center development and marketing, co-patent on Airtron room air purifier. Designed, implemented, and operated the communications systems between Biosphere 2 and Earth during the first 2-year closure, including international satellite feeds and film production.
- Fellow and two-term international Director of [The Explorers Club](#). Seven years Chair of San Diego Chapter. Awarded five Explorers Club expedition Flags. Fellow of the [Royal Geographical Society](#).
- BA [University of Pennsylvania](#), with an individualized major in communications in the Annenberg Graduate School of Communications.
- Apprentice-in-residence with Prof. [Minor White](#), Head, Photography Dept. MIT.
- Graduate certificate in microbial technology, U. of Penn School of Engineering.
- Publications include chapters in the Explorers Club book "They Lived To Tell The Tale" and "Adventurous Dreams, Adventurous Lives."

### **PROFESSIONAL:**

- 2020            Adventures Through the Mind, the James Jesso podcast: *An Explorer's Mindset; Sailing the Psychedelic Seas*. [ATTMIND 128](#).
- 2020            Psychedelic Salon: *Datura Tips from a Psychedelic Sailor*. [Podcast 665](#)
- 2020            Cinemaphotographer and photographer, documentary film [Spaceship Earth](#), premiered at Sundance Film Festival.
- 2019            Palenque Norte Conference Speaker, Burning Man Festival, Black Rock City, Nevada. Panel Moderator: *Sailing the Psychedelic Seas*.
- 2019            World Ayahuasca Conference, Girona, Spain. Speaker: [Tales of an Explorer-Psychonaut: The Importance of Mind Set in Altered States Exploration](#).

- 2018 Palenque Norte Conference Speaker, Burning Man Festival, Black Rock City, Nevada. Panel Moderator: *Sailing the Psychedelic Seas*.
- 2017 Guest speaker, [Altered Conference](#), Berlin, Germany. *Tales of an Explorer-Psychonaut: The Importance of "Set" in Altered States Exploration*
- 2017 Guest speaker, International Transpersonal Conference, Prague, Czech Republic. Speaker: [The Sacred Datura Plant, Potential New Therapeutic Tool](#). Workshop: [Mind Mirrors: Learning to SEE in a Heightened State of Awareness](#).
- 2011-2013 Member Board of Directors, Media Communications Association International, San Diego Chapter, San Diego, CA.
- 2010-2012 Tax Associate, H&R Block Enterprises, Inc.
- 2009-Present Independent Senior Associate, Legal Shield, Inc., Ada, OK.
- 2008-2016 Consultant, Balanced Business Advisers, New York, NY  
Specializing in sustainability, Ecotechnics,  
ethnopharmacology, exploration and communications.
- 2006-2009 Owner, Idaho Estates Condos, LLC. Investor/developer of four condominium units in San Diego, CA.
- 1975-Present Co-founder, Director, past President and past Treasurer, Planet Water Expeditions / Tropic Seas Research, Inc. / Ecotechnics Maritime, owner/operator of the [Research Vessel Heraclitus](#).
- 1999-2013 Owner, general manager, [OrganicAvos.com](#), grower and direct marketer, certified organic Hass avocados, Bonsall, CA.
- 1986-Present Fellow, [The Explorers Club](#), NYC; Member, Board of Directors Class of 2004 and 2007, and Ombudsman. Active in membership development, fundraising, club communications, placed Club message on the Mars Exploration Rover missions, 2003. Chairman, Conservation and Environment Committee 1998-2002. Chairman, San Chapter 2009-2010, 1995-2000, Membership Chair San Diego Chapter, 2008.
- 1994-Present Co-founder, stockholder, Global Ecotechnics Corporation, holding company for five international total systems sustainable-ecology projects in Santa Fe, NM, London, UK, Aix-en-Provence, France, Patillas, Puerto Rico, and Derby, Western Australia.

- 1990-Present Owner, President, Technical Operations Group, Inc., and Adventure Media (dba), consulting, photography, film and video production services.
- 1970-Present Co-Founder, Fellow and Director, President 1980-1984, [Institute of Ecotechnics](#) Developer of innovative approaches to harmonizing the worlds of technology and the biosphere. The Institute consults on ecological projects world-wide, develops eco-training programs and organizes international scientific conferences on a wide range of topics.
- 1995 - 2006 Director, Executive Vice-President, La Jolla Ventures, Inc. commercial real estate development and international investment company, La Jolla, California. Project Manager for the Jordan Free Zones development project, Amman, Jordan.
- 1984 -1994 Biosphere 2 Project co-initiator, Space Biospheres Ventures, member of the team who created and operated the 3.15 acre, \$200M mini-world project near Oracle, Arizona, that housed 4 men and 4 women for two years in a closed ecological life support system.
- Director of Marketing: developed corporate and private sponsorship program that generated over \$2.5M in corporate sponsorships. Worked with the State of Arizona Tourism Development Board to develop marketing for the Biosphere 2 Visitors Center.
- Director of Communications Systems: managed communications between Biosphere 2 and Earth during the first two-year manned enclosure of 8 persons inside Biosphere 2. Managed the design, installation, and operation of state-of-the-art broadcast video, telephone, radio, broadband, computer, and satellite communications system for the first two-year mission; Producer/Co-Producer, Director, Editor, Writer, and/or Photographer/Cinema photographer for a number of domestic and international film/video/television broadcast productions, including: *Building An Ocean; Biospherian Abigail Alling, A Short Biography; Views From Another World, Earth Day in Biosphere 2; Buddha and the Biosphere (French TV); Biosphere 2: Noah's Ark for Mars? (Central TV, London); ABC World News Tonight, November 9, 1989; ABC Prime Time Special, September 13, 1990; Three-Year Time-Lapse Film of Biosphere 2 Construction.*
- 1982 - 1989 Expedition Chief and overall project manager for the [Around-the-Tropic-World Expedition](#) on board the *R/V Heraclitus*. The 30,000-mile, 40-month circumnavigation voyage of the tropic world

investigated and documented tropical cultures. Co-Director, Line Producer, Co-Cinematographer, Audio Recordist, Stills Photographer and Supervising Editor for *Journeys To Other Worlds*, a thirteen part cultural documentary film, video, and television series filmed during the expedition, including the prize-winning film, *Dark Planet*.

- 1981 - 1994 Director, stockholder, Decisions Team, Ltd. International ecological project design, implementation, and management company, which conceived and developed ten projects on five continents.
- 1979 - 1982 Scientific Chief and overall project manager for the Institute of Ecotechnics [Amazon River Expedition](#). Established agreements permitting the *R/V Heraclitus* to sail 2,200 miles up the Amazon River to Peru, where it served as an operating base and a field laboratory for the expedition's ethnopharmacological field work in the Peruvian Amazon. Working with shamans of the NW Amazon, made chemical extracts and plant voucher specimens housed in the Univ. of Lima, Iquitos Herbarium, Missouri Botanical Garden, the NY Botanical Garden, the Royal Botanic Gardens, Kew, UK, and in Australia at the (get name).
- 1978 - 1994 President, Director, 1978-1985, Travel Service Everywhere, Inc., Santa Fe, NM and Ft. Worth, TX, and Travel Works, Inc. Santa Fe, NM. Domestic and international travel agencies.
- 1974 Microbiologist, Desert Ecology Research Unit, Midrasha Sde Boker, Negev Desert, Israel. Member research group led by Prof. Michael Evenari, Hebrew University, Jerusalem.
- 1970 Apprentice-in-residence and assistant to Prof. Minor White, Head, Dept. of Photography, Massachusetts Institute of Technology, Cambridge, MA.
- 1969 Guest instructor, Center of the Eye Photography School, Aspen, Colorado. Taught special non-verbal communications class under grant from Polaroid.
- 1968 Research Assistant, Creighton University Medical School, Omaha, Nebraska. Basic research in gastro-enterology.

### **INVENTIONS:**

Conception and co-developer, "Plant Screening - A Field Test Kit", with Dr. Robert Raffauf, Northeastern University, and Dr. Richard Evans Schultes, Harvard Botanical Museum.

*Uncle Bob's Miracle Root Cure*, one of the first plant treatments to combine micro-organisms with major and minor plant nutrients.

Co-inventor *Airtron* room air purifier, U.S. Patent No. 5,277,877, January 1994, spin-off technology development from Biosphere 2.

### **AWARDS / TITLES / LICENSES:**

Award of The Explorers Club Flag # 60 for the expedition *Hindu and Nepalese Shamanism in Nepal*, Kathmandu and Dhulikhel, Nepal, Sept. 23 to Oct.10, 2001

Award of The Explorers Club Flag # 189 for the expedition *Ethnopharmacological Practices of a Hindu Swami*, Kathmandu, Nepal, April 18-24, 1999.

Award of The Explorers Club Flag # 97 for the *Baja Natural History Expedition to the Sierra de San Francisco* in Baja California, Mexico. Joint expedition of the San Diego Museum of Natural History and San Diego Chapter of the Explorers Club, April 1997.

Blue Belt Karate (Rokkyu) of Shaolin Ch'uan Fa. United Studios of Self Defense, 1997.

Award of The Explorers Club Flag #60 for coral reef studies in the Red Sea in Egypt and Jordan, 1995-1996, as part of the *Indian Ocean and Southeast Asia Archipelagoes Expedition 1995-2000*, on board the *R/V Heraclitus*.

Award of The Explorers Club Flag #46 for the *Biosphere 2 First Two Year Closure*, Sept. 26, 1991 - Sept. 26, 1993, Oracle, Arizona.

Awarded High Chief Title, *Sasuga Papalii*, by the late Prince Laupepa Malietoa of the Royal Family of Western Samoa, 1984.

Master Mariner. Sea Captain's license issued by the Republic of Panama for ocean going vessels less than 1600 gross tons, 1986.

Advanced Open Water Scuba Diver, with specialty in equipment and limited visibility diving, issued by Scuba Schools International, 1985.

### **PUBLICATIONS:**

"Elixir of the Spirit," chapter in *They Lived To Tell The Tale*, published by The Lyons Press, 2007, ISBN 978-1-59228-991-2.

"Necessary Adventure," chapter in *Adventurous Dreams, Adventurous Lives*, published by Rocky Mountain Books, 2007, ISBN 978-1-894765-91-6.

“Swami's Heilige Pflanze, Einzigartiger Datura-Gebrauch in Nepal,” *Entheogene Blätter*, Ausgabe 12, Mai 2003.

“Swami's Sacred Plant, A Report of Unprecedented *Datura* Use in Nepal,” *The Entheogen Review*, vol. Xii, number 1, Vernal Equinox 2003.

“Swami's Sacred Plant, A Report of Unprecedented *Datura* Use In Nepal (Return of Explorers Club Flags 189 & 60),” *The Explorers Journal*, Spring 2002, vol. 80, number 1.

Allen Ginsberg photograph, “Ayahuasca Reader”, Synergetic Press, 2000

“R/V Heraclitus: Ship of Discovery,” *The Explorers Journal*, Fall 1997, vol. 75, number 3.

“Expedition to Another World: Biosphere 2 Crew Completes Mission One,” *The Explorers Journal*, Winter 1993, vol. 71, number 4.

“Plant Screening: A Chemical Field Test Kit,” *Journal of Ethnopharmacology*, vol. 32/1-3, 1991.

“Report of Sightings of Marine Mammals on the South East Coast of Sri Lanka”, N. Obesekera, R. Gunaratne, R. Hahn. Session paper, 1985 International Whale Conference, UK.

“Four Vectors: Space, Time, Biome and Culture”, introduction to Tours, Travels and Adventures chapter, the *Biosphere Catalogue*, Synergetic Press, London and Tucson, 1985.

### **LECTURES / PRESENTATIONS / EXHIBITIONS:**

(2017 and after, see above under Professional)

*Planet Water Expeditions*, presentation to the Marine Technology Society – San Diego Chapter, San Diego, CA, September 27, 2007

*October Gallery 25<sup>th</sup> Anniversary Group Show*, two photographs included in the 25-year retrospective show, October Gallery, London, UK, 2004.

*Amazon Exploration*, presented to the Navigators, the Senior Fellowship Group of the Rancho Bernardo Community Presbyterian Church, Rancho Bernardo, California, September 20, 2002.

*Shamanic and Yogic Practices in Nepal, A Report from Explorers Club Flags Nos. 189 and 60*, *The Explorers Club*, New York, NY, March 20, 2002.

*Ethnopharmacological Studies of Datura Use by a Hindu Swami*, Society for the

- Anthropology of Consciousness, Annual Spring Conference, April 12, 2002, Tucson, Arizona
- Art Process Show*, guest artist, Brandon Art Gallery, Fallbrook, CA, February, 2002.
- Legends of the Heraclitus*, photograph and film exhibitor and workshop speaker, the October Gallery, London, UK, May 16 – June 16, 2001.
- Amazon River Adventure*, presented at Oasis Institute, Escondido, CA, March 5, 2001.
- Lifegame*, chosen subject for Keith Johnstone's *Lifegame*, featuring *Improbable Theater* from the UK, acted in the June 27, 2000 performance at the La Jolla Playhouse, La Jolla, CA.
- Exploration Voyage of the Amazon River*, presented at the Port of Darwin, Northern Territory, Australia, May, 1998.
- Ethnobotanical Exploration of the Amazon*, presentation at The Explorers Club headquarters, New York City, November 10, 1997.
- Amazonian Adventures*, presentation to a joint meeting of the San Diego Chapter of The Explorers Club and The Ocelots at the San Diego Zoo, Thursday, July 17, 1997.
- Explorations: Inner and Outer*, one-man exhibition of photographs and paintings at the Art Union Gallery, San Diego, CA, November 22, 1996 to January 3, 1997.
- The Ship Heraclitus*, Rotary Club, Fallbrook, CA, June 10, 1996.
- Voyages of the Research Vessel Heraclitus*, The Explorers Club, San Diego Chapter, June 13, 1995, Miramar Naval Air Station Officers' Club, San Diego.
- Explorers Club Communication*, presented to the Explorers Club Oslo Conference 1994, "Exploration in Modern Society - New Ideas and Concepts," Oslo, Norway, February 9 - 12, 1994.
- Communicating With A New World, The Biosphere 2 Project Overview and Information Systems*. Keynote presentation to the AMR/Information Week 1993 Information Strategies Conference, "Fusing Information Systems With The Business," February 7-10, 1993, at the Pointe at Squaw Peak, Phoenix, AZ.

*Biosphere 2 Project Update*, Long Beach Rotary Club, Nov. 25, 1992, Long Beach, CA.

*Biosphere 2 Project Update*, organized by the October Gallery, London, UK, October 16, 1992, including international video teleconference between Biosphere 2 in Oracle, AZ and London, England.

*One Year After the Start of Biosphere 2 and the European Contribution*, presentation to The Explorers Club, Western European Chapter "New Europe - New Exploration" conference, Genval, Belgium, October 2, 1992, including an international video teleconference between Biosphere 2 in Oracle, AZ and Brussels, Belgium.

*Biosphere 2 Project Update*, The Explorers Club, Southwest Chapter Field Trip to Biosphere 2, including video teleconference with Biosphere 2, May 30, 1992, Oracle, AZ.

*Biosphere 2 Project Update*, Aerospace Industries Association Human Resources Council meeting, April 6, 1992, Phoenix, AZ.

*The Future of Exploration*, speech to the Explorers Club Annual Weekend Meeting, March 29, 1992, New York City, and video teleconference from the Explorers Club Annual Dinner at the Waldorf Astoria, NYC to the Biosphere 2 Project in Oracle, Arizona, March 28, 1992.

*Biosphere 2 Project Update*, Tucson Ad Club, Tucson, AZ, July, 1991.

*Coordinating Programs to Target New Markets - Biosphere 2*, presentation to the National Council for Urban Economic Development conference on "Targeting Tourism for Economic Development", January 27-29, 1991, Clarion Hotel, Scottsdale, AZ.

*Plant Screening: A Chemical Field Test Kit*, poster presentation, First International Congress on Ethnopharmacology, Palais des Congres, Strasbourg, France June 5 - 9, 1990.

*Journeys to Other Worlds*, lecture/seminar, Spirit of the Senses, 1989, Phoenix, Arizona.

*Warriors at Home and Konso Chronicles*, film presentations from the *Journeys To Other Worlds* cultural documentary film series in The Explorers Club Film Festival, New York City, March 27, 1988.

The *Around-the-Tropic-World Expedition*, presented to the Royal Colombo Yacht Club, Colombo, Sri Lanka, 1985.

*Amazon River Expedition*, Port of Cairns, Australia, 1984.



*Medicinal Plants and Folklore of the Amazon*, Texas College of Osteopathic Medicine, Fort Worth, Texas, 1982.

The *Institute of Ecotechnics*, Peruvian Navy Base, Rio Nanay, Iquitos, Peru, 1981.

The *Institute of Ecotechnics*, INPA (Amazonian research institute) Manaus Brazil, 1980.

Photograph "Pray For Us" exhibited in the "Be-ing Without Clothes" photographic exhibition organized by Minor White at the Philadelphia Museum of Art, Philadelphia, PA, 1970.

### **MEMBERSHIPS and ASSOCIATIONS:**

Fellow of The Explorers Club, New York, NY

Fellow of the Royal Geographical Society, London, UK

Founding and Life Member of the Rainforest Club, London, UK

Honorary Member of the DISKF Speleological Society, Zagreb, Yugoslavia

Founding Member of the International Society of Ethnopharmacology, Lausanne, Switzerland.

Member, Media Communications Association, International

### **EDUCATION:**

University of Arizona Graduate School, course work in Communications & Psychology.

University of Pennsylvania Engineering School, Microbial Systems Engineering Certificate

University of Pennsylvania, Annenberg Graduate School of Communications, course work with Irving Goffman and Ray Birdwhistle.

Massachusetts Institute of Technology (MIT), Apprentice-in-residence and guest lecturer under Prof. Minor White, Head, Department of Photography.

University of Pennsylvania, Philadelphia, PA, Bachelor of Arts degree with an Individualized Major in Communications and minor biochemistry.

Diploma, Omaha Central High School, Omaha, Nebraska.

Smith College / Mount Holyoke School Special Summer Studies Program in Chemistry under an *American Chemical Society / National Science Foundation* grant.

Foreign Language League, German language student-in-residence program, Meyerhofen, Austria, Summer.

Languages: English and German

Born: Omaha, Nebraska, USA

(CV updated 9/20)