

Joel Silverstein  
2959 Kiowa Blvd North.  
Lake Havasu City, AZ 86404  
928-230-3680 / cell -text  
[joel@joelsilverstein.com](mailto:joel@joelsilverstein.com) / [joel@techdivinglimited.com](mailto:joel@techdivinglimited.com)

Age 51, excellent health, US Citizen with current US Passport  
Married to Capt. Kathy Weydig, children Jane 12, and Jona 9.

- 2003-present Vice President - Scuba Training and Technology Inc. / Tech Diving Limited / Movie Divers** Lake Havasu City, AZ. Responsibilities include corporate operations, product development, evaluation, authoring of sales and marketing materials, and diver training programs and texts. Responsible for worldwide diving operations, mobilization and underwater projects. Management and selection of equipment for sales via wholesale, retail, and on-line marketing. Dealer and world wide distributor for major equipment lines. Coordinate and Supervise diving operations on motion pictures, television, documentaries, research and private expeditions.
- 2010 **Dive Operations Supervisor** - Shark Night 3D motion picture. Incentive Filmed Entertainment. Shreveport, LA. (David Ellis, Director) Supervised diving operations including crew of eight divers. Responsibilities included, budgeting operations, production management, marine coordination, safety protocols, equipment management. Hiring and retention of crews. Coordination with union, state, and local authorities. Supervised over 400 production dives.
- 2009 **Dive Operations Coordinator** - Piranha 3D motion Picture. Weinstein Co. (Alexander Aja, Director) Supervised diving operations including crew of twenty four divers. Responsibilities included, budgeting operations, production management, marine coordination, safety protocols, equipment management. Hiring and retention of crews. Coordination with union, state, and local authorities. Supervised over 1,800 production dives, trained talent and stunt crews.
- 2003-2005 Regional Manager- Southwest / California - International Training Inc. Topsham, ME responsibilities include Sales and Training of SW region retail stores and instructors currently servicing 50 outlets with 600 instructors.
- 2000–2003, Vice President Sales & Marketing, Abyss Dive Systems, Lake Havasu City, AZ. responsibilities include Sales and Marketing of high technology diving equipment to over 550 retail outlets in the USA. Manage and motivate national sales team of 8, and maintain a personal sales base of over 175 accounts. Other responsibilities include, product development, evaluation, authoring of sales and marketing materials and manual. Responsible for capital acquisitions and growing company from a \$300k annual software revenue company to an annual revenue of \$2.2million with 1,050 products serving customers worldwide.
- 1997- 2000 Vice President Operations, Scuba Training and Technology Co. Bridgeport, CT. Responsibilities include designing, presenting, and marketing technical diving education programs.
- 1994-1997 Director, Chief Operating Officer, City Island Hyperbaric Chamber. City, Island, NY. Responsibilities included operation of a 24/7 diver emergency multi-place hyperbaric chamber. Oversaw a staff of 24 technicians, nurses, EMTs, DMTs and physicians.

## Joel D. Silverstein Professional History

1991-1997 Publisher, Editor, SUB AQUA magazine. 25,000 circulation publication focusing on international diving technology and shipwreck diving.

### SCUBA Diving History

Since 1988 completed over 6,200 dives of which over 3,000 have been on shipwrecks all over the world. Most notable of the sites are, the USS Monitor, USS Wilkes Barre, USS San Diego, SS Oregon, RMS Rhone, the Andrea Doria, and the SS Republic. Conducts dive operations from ship, shore, cave, tank, pool.

### Certifications

All modes of diving, open circuit, closed circuit, surface supply, tethered and un-tethered.

#### **Scuba Diving International (SDI) # 0125 Technical Diving International (TDI) # 0125**

- Advanced Trimix Instructor Trainer
- Advanced Wreck Diver Instructor Trainer
- Extended Range Diver Instructor Trainer
- Decompression Procedures Instructor Trainer
- Advanced Nitrox Diver Instructor Trainer
- Nitrox Diver Instructor Trainer
- Advanced Mixed Gas Blender Instructor Trainer
- Nitrox Gas Blender Instructor Trainer
  
- Scuba Instructor Trainer
- Dive Master Instructor Trainer
- Assistant Instructor Trainer
- Rescue Diver Instructor Trainer
- Surface Supplied and Full Face Mask Trainer
  
- Air Diluent Rebreather - Dive Master
- Mixed Gas Diluent Rebreather - Dive Master
- Technical Diver Master for all levels

#### **National Association of Cave Divers (NACD)**

- Cavern Diver
- Full Cave Diver
- Mixed Gas Cave Diver

#### **Professional Association of Diving Instructors (PADI) # 41733**

- Master Scuba Diver Trainer
- Open Water Scuba Instructor
- Instructor for:
  - Dive Master
  - Assistant Instructor
  - Rescue Diver
  - Wreck Diver
  - Limited Visibility Diving
  - Night Diver

#### **Professional Scuba Inspectors** Visual Inspection Technician

#### **DOT** Certified Cylinder (Hydrotest) Inspector

#### **Divers Alert Network** Oxygen Management

#### **Red Cross** CPR / First Aid

## Joel D. Silverstein Professional History

### AFFILIATIONS and ASSOCIATIONS

- IATSE Local 485 and 80 Marine Association Union Member
- IMDB International Movie Data Base
- Fellow National - Explorers Club
- Technical Diving International / Scuba Diving International - Trimix Instructor Trainer
- Professional Association of Diving Instructors, Master Scuba Diver Trainer
- International Association of Nitrox and Technical Instructors, Technical Instructor
- Bureau of Land Management U/W Archaeology Team member
- International Society of Aquatic Medicine Keynote Speaker

### UNDER WATER RESEARCH

2010 Expedition Leader 2010 **Andrea Doria Project**. Exploration and examination of the current state of deterioration of the wrecksite. Discovered and recovered Bridge Bell

2008-2009 Permit Holder - **B-29 Bomber** - Granted exclusive permit by National Parks Service for access to B-29 bomber in Lake Mead

2008 Expedition Leader 2008 **Return to the USS Monitor Project**. Exploration and examination of the historical wrecksite. Executive Producer "Return to the Monitor" DVD series

2006 Expedition Leader 2006 **Return to the USS Monitor Project**. Exploration and examination of the historical wrecksite. Preparation for excavation of bow section in 2007.

2006 Expedition Leader 2006 **Andrea Doria Project**. Exploration and examination of the current state of deterioration of the wrecksite.

2005 Expedition Leader 2005 **Andrea Doria Project**. Exploration and examination of the current state of deterioration of the wrecksite. Conducted surveys in plans for 50<sup>th</sup> anniversary examination in 2006.

2004 Expedition Leader 2004 **USS Monitor Project**. Exploration and examination of the historical wrecksite. Discovered how three hurricanes have affected the site over the past two years.

2004 Expedition Leader **B-36 Discovery**. Located and identified a B-36 Bomber lost in 1956 off Mission Bay, San Diego, California. The B-36 was the largest military plane ever built.

1998-present Operations Manager - **Lexington Project**. Exploration and identification of the steamship Lexington which sank in Long Island Sound 1851.

1997 Operations Manager and Lead Diver on Farb **Monitor Expedition** for NOAA. Participated in survey of this historical and protected shipwreck. U/W photography and digital video, measurements and mapping and artifact collection

1993 Conducted the first exploratory dives on the **SS Republic** (275 fsw) on open circuit scuba using mixed gases.

## Joel D. Silverstein Professional History

### Expert Witness / Subject Matter Expert

Conducted investigations and produced reports on no less than 14 cases in the past 5 years, involving scuba diving accidents and fatalities. Areas of expertise involve standards' violations, accident analysis, equipment analysis, product evaluation, decompression computer evaluations, and formulation of expert opinion.

### Equipment Design and Fabrication

Design life support equipment for manufacturing and distribution with specific focus on technical diving applications. Has designed, buoyancy compensation, lift system, breathing regulators, dive computers, dive operations and decompression software, valve and management systems, mixed gas breathing system. Also designs and fabricates specialized diving equipment for use as props in movie making.

### PUBLICATIONS

Nine Books and publications and more than 200 articles and photographs published in regional and national publications: Sub Aqua, Aqua Corps, Sources, Florida Scuba News, Dive Training Magazine, NACD Journal.

- *Advanced Nitrox and Decompression Diving Text*, Silverstein, Tech Diving Limited 2007
- *Scuba Diving with Mixed Gases*, Silverstein Hamilton, 2011
- *NAUTILUS Decompression Planning Software*, Silverstein, Nafe 2005
- *YMCA Nitrox Divers Guide*, Silverstein, Hamilton 2005
- *Oxygen and Helium Breathing Gas Analysis: TekCheck Product Manual*, 2003, 2004
- *Using Technical Diving Techniques for Short Dives in the 80-100msw Range*, Silverstein, Hamilton, NATO
- *Performing Gas Analysis for Oxygen Nitrogen Breathing Mixtures*, 2003, Silverstein, Hamilton
- *NOAA Diving Manual 4<sup>th</sup> Edition* 1999, specifically Air, Decompression, Nitrox Diving, Oxygen Physiology, and Mixed Gas Diving
- *NAUI Nitrox: A Guide to Diving with Oxygen Enriched Air*. 1998, 2000 Silverstein, Hamilton

### Capabilities and Hardware Box for Film

Dive Master	Air, Nitrox, Mixed Gas Specialist
Dive Operations Coordinator	All Modes of Diving:
Dive Instruction - all levels	Scuba, Surface Supply, Rebreather
Vessel Coordination	Scuba and Surface Supply Equipment
Underwater Supervision	Cylinders - Singles, Doubles, Ponys
Underwater Special Effects	Lift Bags and Pontoons
Underwater Talent Train	Air Compressors
Safety Diver	Nitrox Mixing
	Wet and Dry Suits
	Encapsulated Diving
Dive Medicine Management	Underwater Rigging and Lifting
	Full crews for shallow and deep water (10-400 fsw) available.