

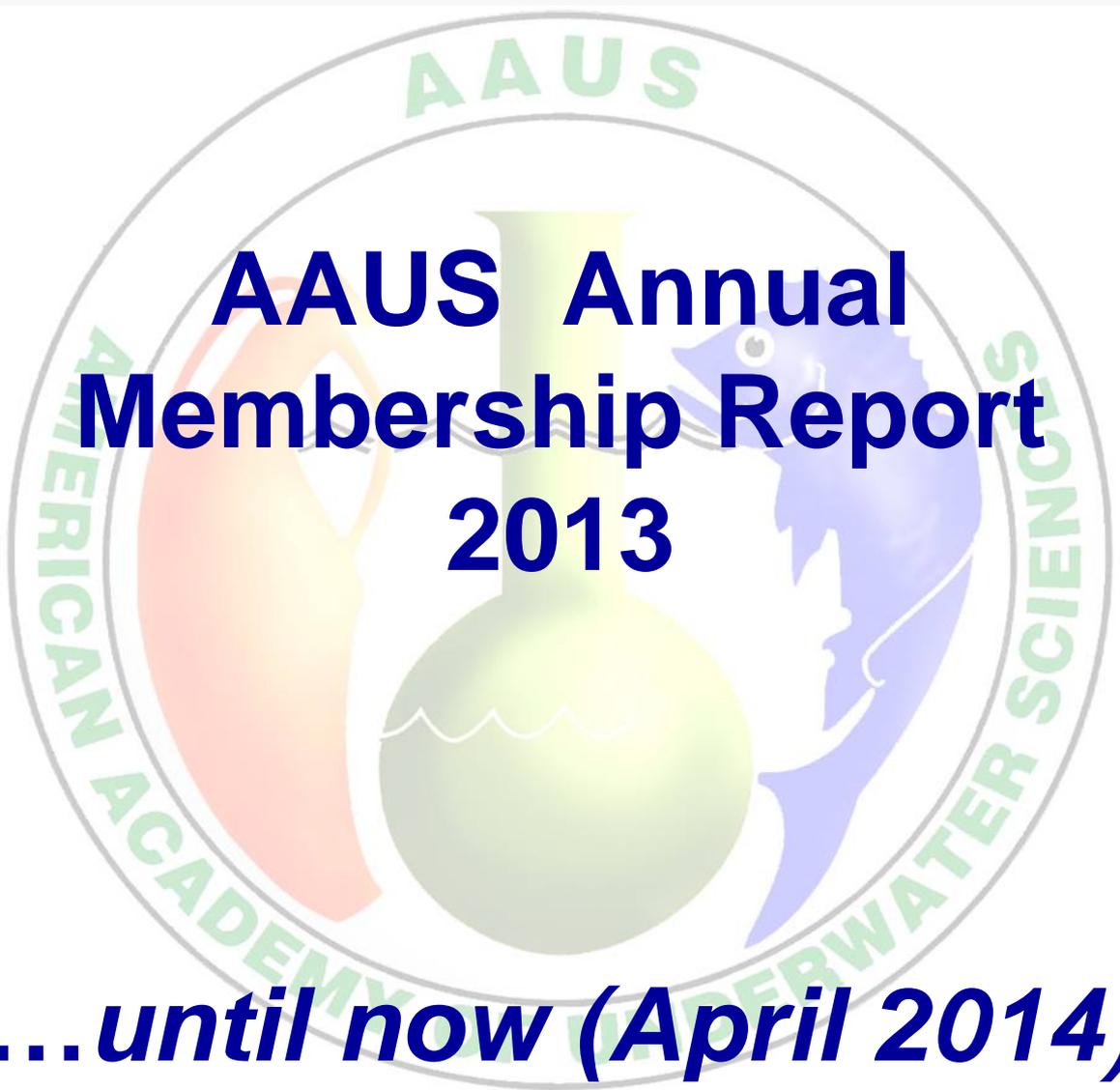
The logo of the American Academy of Underwater Sciences (AAUS) is a circular emblem. It features a central vertical bar with a green-to-yellow gradient. To the left of the bar is a stylized orange and red fish, and to the right is a blue fish. The text 'AAUS' is at the top, and 'AMERICAN ACADEMY OF UNDERWATER SCIENCES' is written around the bottom half of the circle.

The New Standard and other recent changes:

**Membership, Virtual Office,
AAUS Foundation, AAUS Certification**

Pema Kitaeff

UW Dive Officer at FHL and AAUS Membership Committee Chair

The logo of the American Academy of Underwater Sciences (AAUS) is a circular emblem. At the top, the letters "AAUS" are written in a green, sans-serif font. The central part of the logo features a yellow laboratory flask with a green bulb, containing a blue fish. To the left of the flask is a stylized orange and yellow flame or sunburst. To the right is a blue silhouette of a fish. The words "AMERICAN ACADEMY" are written in green, sans-serif font along the left inner edge of the circle, and "UNDERWATER SCIENCES" is written along the right inner edge.

**AAUS Annual
Membership Report
2013**

...until now (April 2014)

What is an OM?

- AAUS is an organization of organizations
- AAUS accepts Scientific Diving Programs (i.e. organizations) NOT individual scientific divers; divers are certified/trained by the Organizational Member (OM)
- The strength of the Academy is in its Organizational Members' (OM) Programs

Organizational Members

The AAUS is currently comprised of:

- 1,055 Individual members
- **160 Organizational Members**
 - 9 New OM's in 2009,
 - 7 New OM's in 2010
 - 16 new OM's in 2011
 - 9 new OM's in 2012
 - **10 new OM's in 2013**
 - *5 new OM's in 2014... so far*
- 5 current OM applicants, 1 in Standards Review

of OM' s for past five years:

2009	2010	2011	2012	2013	...2014
114	123	136	145	153	165?

= 33% Growth in 5 years

Newer OM' s by type:

Research/ Academic	Consulting	Inter- national	Aquarium	Youth/special group divers
19	10	9	8	4

New Website / Virtual Office



AAUS
American Academy
of Underwater Sciences



SEARCH

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2014 AAUS Symposium – Call for Abstracts and Registration

Registration for the 2014 AAUS Diving for Science Symposium to be hosted by the University of Alaska, Fairbanks and held September 9-13, 2014 in Sitka, AK opens April 01!

More

2014 SDLA Award

Nautilus, Shearwater, Oceanic and Hollis Institutional Pricing

AAUS Certification Program Scientific Diver

QUICKLINKS

- Membership - Join AAUS
- Donate to Foundation
- Scholarships
- Board Members & Committees
- Diving Standards

Resource Library

2014
Organizational Members

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Annual Symposium

Event Calendar

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2014 Professional Dive Safety Conference
04/07/14 - 04/08/14

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2014 AAUS SDLA Award Nominations Due
04/30/14

More

TEKDive USA 2014
05/17/14 - 05/18/14

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First Asia Pacific Underwater Sciences
Symposium (2014)
02/26/14

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2013 AAUS Foundation Scholarship Recipients
09/30/13

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2012 AAUS Scholarship Recipients Updates
05/15/13

Membership information



AAUS
American Academy
of Underwater Sciences

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- Benefits
- FAQs
- Application

SEARCH

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Nautilus, Shearwater, Oceanic and Hollis Institutional Pricing

AAUS Certification Program

AAUS Certification program information and registration forms can be found [here](#).



Scientific Diver

Current E-Slate

Scientific Freediver Course

QUICKLINKS

- Membership - Join AAUS
- Donate to Foundation
- Scholarships
- Board Members & Committees
- Diving Standards

Resource Library



2014 Organizational Members



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09/30/13

Standards & Bylaws

www.aaus.org

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Current E-Slate 6

Current E-Slate is available on the first of every month. You can access older editions in the resource library under "publications".

E-Slate

Scientific Freediver Course 7

Recent AAUS DSO Article 8

QUICKLINKS

- Membership - Join AAUS
- Donate to Foundation
- Scholarships
- Board Members & Committees
- Diving Standards

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2014 Organizational Members

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Event Calendar View All

2014 Professional Dive Safety Conference
04/07/14 - 04/08/14 [More](#)

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02/26/14 [More](#)

The AAUS Foundation

www.aausfoundation.org

- **501c3** non-profit organization, incorporated in 2010
- support's AAUS mission – facilitate research & the advancement of safe scientific diving practices

Scholarships & Awards:

- Kathy Johnston & Kevin Gurr Scholarships
- Hollis Gear Award
- Our World Underwater Internship



The Kevin Flanagan Fund Student Travel Award, since 2012

Revisions to the Standards

FOREWORD

Since 1951 the scientific diving community has endeavored to promote safe, effective diving through self-imposed diver training and education programs. Over the years, manuals for diving safety have been circulated between organizations, revised and modified for local implementation, and have resulted in an enviable safety record.

This document represents the minimal safety standards for scientific diving at the present day. As diving science progresses so shall this standard, and it is the responsibility of every member of the Academy to see that it always reflects state of the art, safe diving practice.

American Academy of Underwater Sciences

ACKNOWLEDGEMENTS

The Academy thanks the numerous dedicated individual and organizational members for their contributions and editorial comments in the production of these standards.

Revision History

April, 1987	
October, 1990	
May, 1994	
January, 1996	
March 1999	Added Sec 7.6.1 Nitrox Diving Guidelines. Revised Appendix 7 and 11.
January 2001	Revised Section 1.23.1 DSO Qualifications. Revised Section 5.31.4 Emergency Care Training. Revised Section 6 Medical Standards. Made Sec 7.6.1 Nitrox Diving Guidelines into Section 7. Added Section 8.0 Scientific Aquarium Diving.
April 2002	Moved Section 7.0 to Section 9.0 Other Diving Technologies. Removed Appendix 7 AAUS Checkout Dive and Training Evaluation. Revised Section 5.33.3. Revised Section 4.23.2.
August 2003	Section 1.27.3 Delete reference to Appendix 9 (checkout dive). Section 1.4 Remove word "waiver". Section 2.21 Change "supervisor" to "lead diver". Section 2.72.2.1 Remove reference to Appendix 13, and remove Appendix 13. Replace with "at www.aaus.org" after Incident Report. Section 3.28.3 Remove Appendix 10 (dive computers). Section 5.32 Training and 100-hour requirement, eliminate "beyond the DIT level". Section 5.32.1 Eliminate paragraph "Suggested topics include" and replace it with a list of topics for inclusion in the 100 hours. Some of these topics would be designated "R" (required). Section 4.0 Remove lead sentence "This section describes for diving". Alter the lead sentence

Revised 5/2013

2

read as follows: "This section describes training for the non-diver applicant, previously not certified for diving, and equivalency for the certified diver."

Section 4.3 Delete this section.

Section 9 Update Required Decompression (9.10) and Mixed Gas Diving (9.60) to individual sections.

Appendices 9, 10, 11, and 12 Remove these and make available online as historic documents in the Virtual Office.

Formatted document for consistency.

Separated manual into two volumes. Volume 1 and the appendices are required for all manual and Volume 2 sections only apply when the referenced diving activity is being conducted.

Volume 2 is where organizational specific information is contained.

October 2005

Section 11.70 Deleted section for rebreathers.

Section 12.00 Added new section for rebreathers.

March 2006

Section 13.00 Added new section for cave and cavern diving.

April 2006

Section 11.5 and 11.6, revised definitions for Hookah and surfaced supplied diving.

Section 5.30 Deleted emergency care training prerequisite.

November 2006

Section 5.50 Added emergency care training requirements to Continuation of Certificate.

Section 2.60 flying after diving rules updated to meet current DAN standards.

Section 3.20 dive computers reference changed to "appendix 8".

Section 3.60 air quality guidelines updated to meet current CGA standards.

Section 5.30 – added words "Transect Sampling" to item #9.

Appendix 1 – Updated one medical web link.

Appendix 2 - Added the abbreviation "DO" to the MD signature line.

Appendix 6 – new LOR template.

Updated and added Appendix 8 dive computer recommendations

Added Appendix 9 (criteria for entering diving statistics).

December 2009

Appendix 2 – Revised

December 2011

Section 6 – Revised after Medical Review Panel review

Appendix 1 - Revised

May 2013

Section 3.10- added "and serviced according to manufacturers' recommendations"

Section 9.1(c) (1)- added "omitted decompression"

Section 9.1(c) (7)- added "qualified" to DSO's designee

Section 9.30 (k)- replaced "mixed gas" with "decompression"

Section 4.0- removed specific requirements for Entry-Level Training. Adopted WRSTC/ISO standards by reference.

Section 5.0- merged requirements for Entry-Level Diver Training with Scientific Diver Training

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Revised 5/2013

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New Standard 2011

TESTS: THE FOLLOWING TESTS ARE REQUIRED:

DURING ALL INITIAL AND PERIODIC RE-EXAMS (UNDER AGE 40):

- Medical history
- Complete physical exam, with emphasis on neurological and otological components
- Urinalysis
- Any further tests deemed necessary by the physician

ADDITIONAL TESTS DURING FIRST EXAM OVER AGE 40 AND PERIODIC RE-EXAMS (OVER AGE 40):

- Chest x-ray (Required only during first exam over age 40)
- Resting EKG
- Assessment of coronary artery disease using Multiple-Risk-Factor Assessment¹
(age, lipid profile, blood pressure, diabetic screening, smoking)

Note: Exercise stress testing may be indicated based on Multiple-Risk-Factor Assessment²

New Standard 2013

SECTION 4.00 ENTRY-LEVEL TRAINING REQUIREMENTS

4.10 General Policy

Training and certification as an entry-level diver is a prerequisite to AAUS Scientific Diver Training. In lieu of writing/promulgating AAUS specific standards for entry-level divers, AAUS references here, the standards for entry-level diver training as defined by the WRSTC and/or ISO.

AAUS programs who wish to train entry-level divers may do so using one of the following options:

- a) under the auspices and standards of an internationally recognized diver training agency.
- b) under the auspices of AAUS using the minimum guidelines presented by the most current version of the RSTC/WRSTC and/or ISO entry-level diver standards.

4.20 References

“Minimum Course Content for Open Water Diver Certification”- World Recreational Scuba Training Council (WRSTC), www.wrstc.com.

“Safety related minimum requirements for the training of recreational scuba divers -- Part 2: Level 2 -- Autonomous diver”. ISO 24801-2:2007- International Organization for Standardization (ISO)-

www.iso.org.

AAUS Certification

- Introduced at the 2013 Symposium
- Partnership with ITI (International Training)
- Independent underwriting & recognition

Goals & Benefits:

- Reduce ties to recreational agencies
- Scientific Diver Certification as 'proof' of training according to AAUS standards





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Scientific Diver



Heather Fletcher

This card verifies that this Diver has received training in accordance with AAUS Standards. Status as an active AAUS Diver can only be conferred by an AAUS Organizational Member and must be renewed/verified every 12 months at minimum. Reciprocity between AAUS OMs requires additional documentation.

Diver #: 549100
Date: 2013-10-07

AAUS Scientific Diver

Facility: AAUS - University of Maine
Walpole, Maine United States

Inst: Christopher Rigaud Member #:16441
Asst: Christopher Rigaud Member # 16441



www.aaus.org

- AAUS Certification Cards
 - Language, expiration, etc.
 - Applicability within AAUS
 - Recognition/ equivalency in the recreational industry.

What's Next?

- More Certifications, newer standard
- Accreditation Program
- New Strategic Plan



BOD Contacts

- AAUS Certification program, Chris Rigaud
- Accreditation Program, George Peterson
- AAUS Foundation, Elliot Jessup
- AAUS Scholarships, Diana Steller
- AAUS Standards, Liz Kintzing
- AAUS Membership, Pema Kitaeff,
pema@uw.edu

Announcements....

- AAUS Symposium, Sitka Sept. 9-13, 2014
- Scientific Dive Class/AAUS certification at UW's FHL in August, deadline April 15th
<http://www.tinyurl.com/diveclass>
- NW DSO's at the Taphouse Grill 7pm