

National Association of Underwater Instructors

NAUI NEWS

JANUARY 1975

NEWSLETTER OF THE NATIONAL ASSOCIATION OF UNDERWATER INSTRUCTORS

All views expressed in articles which carry a by-line are those of the author and do not necessarily reflect the policies of NAUI

IN THIS ISSUE

Larry Cushman Becomes
President of NAUI Page 2

Headquarters Reorganization
a. Jon Hardy Appointed General Manager
b. Art Ullrich Appointed Director
of Special Projects Page 3

BOD Approves Plan to Expand
Board To Nine Pages 4, 5

Board of Directors Meeting Highlights Page 5

New Board Member — Jon Hardy Page 5

IQ6
a. Dr. Merrill Spencer Presented
Greenstone Award Page 6
b. Quotes on IQ6 Page 7
c. The IQ6 Committee Pages 8, 9
d. IQ6 Winners
of Awards and Drawings Page 10

President's Message Page 11

Code of Ethics to be Revised
by National Ethics Committee Page 11

NAUI Canada —
New Officers and New Plans Pages 12, 13

The Medical Editor's Column
by Charles Brown, M.D. Page 14

NAUI Instructor Courses

- a. Instruction — A New Approach
by John Choate, NAUI 2368 Page 16
- b. The Monterey Instructor Courses
by Jeanne Sleeper, NAUI 2648 .. Page 17
- c. Athens, Greece IQC
by Jim Haynes, NAUI 2115 Page 18
- d. The First Mexico IQC
by Leon Barry, NAUI 2378,
Southwest Branch Manager Page 19

ALSO

- a. Letters Page 15
- b. Special Calendar Page 19
- c. Employment Page 19

THIS COULD BE YOUR LAST ISSUE OF NAUI NEWS.

Unless you have renewed your membership
for 1975. Renew Today! If you need forms or
information, contact NAUI Headquarters.

The February Issue of NAUI NEWS will be
sent to Active (Teaching or Sustaining)
members only.

Please join us for 1975

Photo by Bob Wohlens

HEADQUARTERS REORGANIZATION

JON HARDY BECOMES GENERAL MANAGER
ART ULLRICH APPOINTED DIRECTOR OF SPECIAL PROJECTS

Jon Hardy, previously employed for two years at NAUI Headquarters, recently returned to work there once again as Business Manager of the organization. Jon, with his most recent experience as Business Manager for a private school on Catalina Island and a history of similar experience in YMCAs, camps, and the military is extremely qualified to handle the business aspects of the organization.

Additionally, Jon Hardy as a diving instructor and prominent figure in the diving community needs little introduction. Jon is widely known by divers and diving administrators at all levels. His many areas of expertise in the diving field have had him highly involved in diving education for 20 years.



Jon Hardy, NAUI General Manager appointed by the Board of Directors in November. Jon's organizational ability, business sense and thorough understanding of current diving legislation are extremely valuable assets to NAUI.

During the past year, Art Ullrich, General Manager of NAUI since 1969, became greatly involved in IQ6, Ethics actions, and was desirous of finding time to do creative work. Art expressed his desires to channel his efforts into these areas at a recent meeting of the Board of Directors and the Board concurred unanimously to appoint Art Ullrich as Director of Special Projects for the organization and Jon Hardy as General Manager. This was well deserved, for IQ6 had ended one month prior as the single greatest event ever conducted by NAUI and Art Ullrich had organized, promoted, and watched over the conference from start to finish. His expertise in this area is yet to be fully tapped. IQ7 in Miami is certain to be the greatest event ever now that Art can devote a larger effort to the conference.

Art and his wife Gloria have already contributed more as individuals to NAUI than any other two individuals. What was originally



Art Ullrich, NAUI General Manager since 1969, has now been appointed by the Board as Director of Special Projects. Art requested the opportunity to work in new and more creative areas and the Board rewarded his past service to the organization with the new position. NAUI gives the greatest "Thank You" possible to Art for his efforts as General Manager.

a one room office with a gross income of \$50,000 a year, Art and Gloria developed into a prestigious diving certifying organization with 5,000 square feet of office space, 15 employees, numerous member services and an annual income in excess of a half million dollars. Art has been involved in over 75 Instructor Certification Courses and has attended, lectured and conducted countless meetings as General Manager of NAUI. Art has given greatly of himself to develop NAUI. Now that NAUI has matured Art will redirect his efforts into creative areas of personal satisfaction where he can continue to be of tremendous benefit to NAUI.

This lateral movement by Art creates some difficulty of expression. Enormous appreciation is due from each and every member of NAUI to this extremely capable and sensitive leader and yet, he is not leaving NAUI or stepping down, but assuming a new and challenging role to greater benefit NAUI and diving. For all Art has done we thank him to the fullest, for what he will do, we are already indebted . . .

Art, the Board, and NAUI are fortunate to have Jon Hardy return and become General Manager of NAUI. His keen organizational ability, business sense and thorough understanding of the current diver legislation are extremely valuable assets to NAUI. His close cooperation with the Board and sensitivity to the needs of the membership can do as much for NAUI in the future as Art Ullrich has done for the organization in the past. **-NN-**

LARRY CUSHMAN PRESIDENT OF NAUI

Larry Cushman, NAUI 206, was elected President of the Board of Directors of NAUI on November 8. Larry has been a member of the Board since 1969 and has served as Vice President nearly as long. His contributions to NAUI have been numerous — staffing and directing courses, developing programs, Editor of NAUI News, and speaker and representative at numerous conferences, symposiums, and seminars.

Additionally, Larry has an excellent track record and history in the diving business. He has been Director of the diver training division for Commercial Diving Center (CDC) in Los Angeles, Project Manager for a 1000 foot saturation diving system for Oceaneering International and is currently the General Manager of the Ocean Products Division for Perry Oceanographics, Inc. His managerial abilities have greatly helped each of these organizations and can now be an asset to NAUI.

Larry began diving in 1954 and has been professionally involved in diving since he was certified as an Instructor in 1962. He has worked as a free-lance diving Instructor, an underwater photographic instructor and a commercial diver and instructor, plus authoring many nationally published articles on diving.

A rebirth of the publication NAUI News was possible through the efforts of Larry Cushman, who was an excellent and faithful Editor for nearly two years. In addition to editing, he made excellent contributions via the newsletter.

Larry became the sixth president of NAUI. Past Presidents now include Glen Egstrom, Ben Davis, Gary Howland, John Jones, and Al Tillman.

The office of the President was turned over to Larry by Glen Egstrom, Ph.D., who deserves great appreciation for serving as President of the Board for the past four years. Glen's incredible devotion and sacrifice of time and effort have been most instrumental in attaining national prominence for NAUI. Dr. Egstrom has represented NAUI at innumerable events and functions, and NAUI has gained recognition as a result of his personal stature and accomplishments in the diving community.



*Larry Cushman
New President*



*Glen Egstrom, Ph.D.
Past President*

Glen has made many significant contributions to the industry through his research at UCLA. Although involved at the highest levels in diving, he has still remained an active diver, diving instructor, and Course Director. In addition, Glen has unselfishly given of himself in other task areas such as IQG where he served as Program Chairman. He has helped develop NAUI programs such as the Industrial Orientation Course, which he has directed.

It is not possible to list or even recall all the contributions to NAUI made by Glen Egstrom. His ability and dedication have been a beacon to attract many NAUI members and aided others to see the light of involvement. Glen, as Past President, remains on the Board of Directors. He has also accepted the position of Chairman of the Board of Advisors and has been charged by the Board to revitalize and draw upon the members of the Advisory Board.

It will take a long time to express our gratitude to Glen Egstrom for his efforts and accomplishments. Let's begin now as individuals to thank him for what he has given to NAUI as a whole.

The other officers elected by the Board include John Reseck, Jr., as Vice President — John has served as Secretary-Treasurer for several years — and Dr. Lee Somers, Ph.D., as Secretary-Treasurer.

Larry Cushman promises to improve the organizational structure and communications within NAUI. He is a man to believe. With a new burst of energy and enthusiasm, members can look forward to a new and improved NAUI. Watch us go and grow!

-NN-

BOD Approves Plan To Expand Board To Nine

At the annual Board of Directors Meeting the Board approved a plan to expand the Board of Directors size to nine members each elected geographically for three year terms to provide local representation for the members. The plan, if ratified by the membership, would be implemented in 1975 and would be totally in effect by 1977.

At present, the seven member Board is elected to a four year term by a general election in which the total membership has an opportunity to cast ballots. The present system does not insure an even geographic distribution of BOD representation. Members have expressed dissatisfaction over what they call "lack of local representation on the Board."

The plan which the Board approved in principle, pending ratification by the membership, would cause the Board to increase by two members each elected for a three year term and provides for local election, local nominations and a Board Member in each of the present branch areas.

If the membership approves the plan in general and ratifies proposed By-Law Amendments by a two-thirds approving vote, it will make implementation possible. The first local election would then take place in late summer 1975.

As each of the current seats on the Board come vacant, an election will be held in the branch to choose a BOD member. Newly elected NAUI President, Larry Cushman, noted that this was the kind of major change in which the members wanted more voice. Cushman asked that members who wish to express their views either pro or con on the plan write him in care of NAUI Headquarters promptly.

If accepted in principle, the proposed By-Law Amendments would appear in the February edition of NAUI News and a general ballot would go to the field sometime in March seeking ratification by the members. It would require two-thirds approving vote by the membership to modify the By-Laws and make this change possible.

Overall, this reorganization of the BOD would put elections of the Board under the control of the membership at the local level. It would insure a BOD Member in each branch area with shorter terms for more frequent turn-over of BOD members, providing more opportunity for many to take a hand in the

leadership of NAUI. It would also mean that members would only have a vote every three years (i.e., when a vacancy occurs in that branch). This might mean more attention to elections when they occur, but it could also mean lack of interest or attention because of the 36 month period between elections.

The overall time table for elections and reorganization would work something like this: The current elected term of Lee Somers and Paul Tzimoulis will expire in 1975. Jon Hardy who was elected in 1974 has agreed to step down in 1975. With the creation of two new BOD posts, this would make it possible to hold an election in five branches in 1975. Initially, all would not be for three year terms. Instead, one would be elected for a one year term and one would be elected for a two year term. The other three would be for three year terms.

In 1976 the terms of Roy Damron and Glen Egstrom expire. The one year term elected in 1975 would also expire making it possible for three branches to elect directors.

In 1977, the term of Larry Cushman and John Reseck would expire. The two year seat elected in 1975 would also expire again making it possible for three branches to elect directors.

From that time on, three branches would elect directors each year. Only the members in those branches would vote for their representatives.

Branches in which proposed elections would be held in 1975 would be: Mid America, Mid Atlantic, North Atlantic, South Pacific, and Southwest. Once the 1975 elections were completed, these branches plus South Pacific, Pacific, and South Atlantic would have representation. Mid Pacific Branch would elect its first representative in 1977. Canada and Japan currently have local representatives and the BOD is now reviewing plans to insure representation on a more formalized basis.

This overall plan represents a first for NAUI and a major change. Members wishing to express their ideas, views, and suggestions should contact Larry Cushman, President, in care of NAUI Headquarters.

Editor's Note: This idea was conceived, developed and presented to the Board by Arthur Ullrich. His experience as General Manager prompted Art to seek regional representation, improve communications and greater member involvement.

ELECTION AUGUST 31 EACH YEAR	MID-AMERICA BRANCH	NORTH ATLANTIC BRANCH	NORTH PACIFIC BRANCH	MID-ATLANTIC BRANCH	SOUTHWEST BRANCH	PACIFIC BRANCH	SOUTH PACIFIC BRANCH	MID-PACIFIC BRANCH	SOUTH ATLANTIC BRANCH
1975	*SOMERS VOTE	NEW VOTE	NEW VOTE	*TZIMOULIS VOTE	** HARDY VOTE	*EGSTROM VOTE	*DAMRON VOTE	*RESECK ***	*CUSHMAN VOTE
1976	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE
1977	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE
1978	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE
1979	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE
1980	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE	VOTE

* Name of BOD Member currently serving.
* First Election in the Branch is based upon normal expiration of this Directors Term.

**Hardy Elected in 1974 will resign in 1975 to facilitate this new system.

***Mid-Pacific Branch will be the only Branch without a resident Director after the 1975 election.

-NN-

BOARD OF DIRECTORS MEETING

The entire Board met for three days in Los Angeles to resolve the issues of the day and provide direction and policy for the organization for 1975. New officers and appointments are presented elsewhere in this issue, as well as a plan for a major reorganization. Other significant decisions reached by the Board include:

1. NAUI standards will be simplified (not lowered) in order to make them more useful and will be revised to conform to laws concerning diving. The general standards were amended to include the following: "A NAUI Instructor may not teach diving in violation of laws or ordinances".
2. The NAUI fiscal year will be changed from Sept. 1 - Aug. 31 to Jan. 1 - Dec. 31 pending ratification of a by-laws change by the membership. Advantages include:
 - A. Dues and insurance premiums would be coincident.
 - B. Annual audit would be easier.
 - C. A more balanced cash flow.
 - D. Recertification will be simpler.

3. Assistant Instructors may be certified by individual instructors in the field or at a formal Instructor Qualification Course. Instructors are to follow standards and procedures as outlined by Headquarters. The standards are being prepared by Dennis Graver and will be published in NAUI NEWS.
4. NAUI will sponsor fewer programs and activities in the field but will sanction those programs with merit which contribute to organizational goals.

NEW MEMBER OF THE BOARD—JON HARDY

Jon Hardy, NAUI 1002, and newly appointed General Manager of NAUI, was elected to the Board of Directors this summer while he was Business Manager at Catalina Island School. Jon announced his resignation at the General Membership meeting at IQ6 in San Diego because he had just accepted a staff position at NAUI Headquarters. The Board later voted not to accept Hardy's resignation, so Jon is in fact the newest member of the Board of Directors, filling the vacancy created with the expiration of the term of Mike Kevorkian. **-NN-**

The Sixth INTERNATIONAL CONFERENCE

DR. MERRILL P. SPENCER
PRESENTED GREENSTONE AWARD

Dr. Spencer, Director and President of the Institute of Applied Physiology and Medicine of Seattle, Washington, was presented with the Leonard Greenstone Diving Safety Award at IQ6 in San Diego.

The award, a beautiful metal sculpture mounted on jade plus a check for \$500.00, is presented to individuals who make outstanding contributions to diving safety. Dr. Spencer's achievements are in diving physiology research. He is greatly responsible for recent research of blood bubbles for development of improved decompression tables. His techniques for non-symptomatic detection of decompression problems represent a major breakthrough in diving physiology studies.

Dr. Spencer was Director of the Virginia Mason Research Center for 8 years, is active in the Undersea Medical Society, serves on the Board of Advisors at Bellevue Community College Diving Program, has over 100 nationally published articles and has served on numerous diving medical committees and panels.



Dr. Merrill Spencer is awarded the Leonard Greenstone Diving Safety Award by Dr. Glen Egstrom, President of NAUI.

Dr. Spencer's deep concern and appreciation for the medical and safety needs of the diving community has served to stimulate others in the medical field to make them more aware of these needs. The contributions of Dr. Spencer and his involvement in the diving community make him a most worthy recipient of this award.

The following letter was received from Dr. Spencer at Headquarters:

Dear Mr. Ullrich:

I would like to express my appreciation to you and to NAUI for presenting me with the Leonard Greenstone Diving Safety Award at the Sixth International Conference on Underwater Education.

When I think of the number of people that have contributed to underwater safety, it is indeed humbling to think that my work would be deemed so significant by NAUI Instructors.

The Trophy has arrived safely; I will do my best to take care of it while it is in my possession. I will be displaying it in my home occasionally, as well as at the Institute of Applied Physiology and Medicine.

If there is anything further that I can do to promote the NAUI Safety Programs, please do not hesitate to call on me.

Also, I would like to inform you and the Officers of NAUI, that the Five Hundred Dollar Award, which was so greatly received, will be utilized by this Institute to further Diving Safety Research. Accordingly, I am signing over this check to the Institute as a donation for Diving Safety Research.

Sincerely yours,
Merrill P. Spencer, M.D.

The Greenstone Award is a perpetual award and may be presented annually. Nominations for the award should be sent to: Greenstone Safety Award, NAUI Headquarters. A brochure with more detailed information is also available from Headquarters.

Who will receive this honored award at IQ7 in Miami? Could it be you?

ON UNDERWATER EDUCATION

QUOTES ON IQ6

PART TWO

IQ6

BILL DEXTER—NEW ENGLAND DIVERS

"I think the exhibit area was very well laid out. We had a tremendous amount of exposure, especially on Friday and Friday evening. I think we made a lot of friends nationally and it's well worth our coming again." Miami? "Miami, we're going."

WAYNE SHAFFER—TORONTO, ONTARIO, CANADA

"Fantastic! Tremendous! And just a little bit better than ours."

WALT HENDRICK—PUERTO RICO

"I've enjoyed it — worked well, traveling all the way from Puerto Rico to San Diego — it's time, it's money, and it's well worth it."

FRANK SANGER—PARKWAY POSEIDON, New Jersey

"We've had a good show. It's been good for us. We came here as market people so we were trying to penetrate the market. I certainly got a good look at the West Coast. We'll be back on the West Coast again." Will we see you at IQ7 in Miami Beach? "Oh yeah, we'll be there."

FRANK SCALLI—U.S. DIVERS

"I thought the exhibit area was just wonderful — Friday evening was the best evening we've ever had here in the last eight years of exhibits. We should continue in that direction."

OWEN BRUYNES, PRESIDENT—SOUTH AFRICAN UNDERWATER FEDERATION

"Well Art, I must say it must be one of the best organized and most professionally run conventions that I have ever attended in underwater diving activities, and I must say what a great privilege and pleasure it is for me to be here and I am certainly looking forward to your IQ7."

STEVE METCALF—SEA SUITS

"I think IQ6 has been outstanding. I really enjoyed it. I think the exhibits were excellent. I learned a lot from them. I enjoyed the people."

ART BACHRACH—WASHINGTON, D.C.

"I thought IQ6 was excellent. Good balance of sport papers, scientific papers, film festival a little too long — all film festivals on underwater are a little too long. I thought it was good. I didn't hear enough of the papers for taking care of things here, but it was a beautiful program."

CLAUDE JEWELL—CHICAGO

"I enjoyed it very much. It was worth a 1700 mile trip."



John Frederick
Exhibits Chairman



Tommy Thompson
Exhibits



Leonard Greenstone
Exhibits



John Reseck
Conference Social



Art Ullrich
General Conference
Chairman

RECIPE FOR SUCCESS . . .

Take one great committee, a fantastic facility, a great city like San Diego, an excellent promotional campaign, super exhibits and a tremendous program; mix them all together and you have IQ6. The NAUI members who volunteered their efforts to the IQ6 Committee under the direction of Arthur Ullrich deserve a great deal of recognition for their efforts. These people and others who are not listed put on the smoothest running conference in the history of NAUI. There are no words for the appreciation extended to this committee, only feelings — their feeling of accomplishment and our feeling of gratitude.



Glen Egstrom, Ph.D.
Program Chairman



Steve Barsky
NAUI Exhibit Chairman



Mike Williams
NAUI Exhibit



Sharon Williams
NAUI Exhibit



John Wozny
NAUI Exhibit



Dennis Graver
Dives Chairman



Jim Williams
Boat Dives



Christie Bostock
Boat Dives



Lou Fead
Hospitality Chairman

GARRY HOWLAND—FLORIDA. NAUI Past President

"Arthur, I think that IQ6 is the most successful IQ that I have been to. The program was outstanding, the lectures that we've had were well presented and backed by beautiful audio-visuals. The exhibit areas for the exhibitors was very large, giving the exhibitors a place to move out and have plenty of room. The facilities that the IQ was held in was very large so that 1500-2000 people here were absorbed in it and didn't give you a feeling of being pushed around like a bunch of sardines. I think it's an outstanding one that we can be proud of and it will be one that will set a mark for someone else to try to exceed in the future."



Mark Flahan
Promotion and Logistics

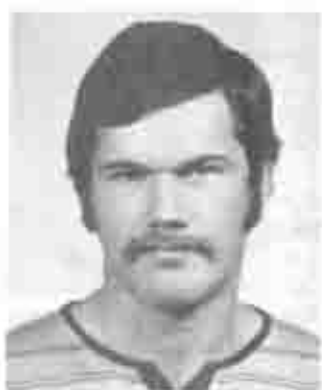
Many Thanks To These Great People



Glenn Kennedy
Registration Chairman



Diana Dann
NAUI Exhibit
NAUI NEWS



Bruce Nyden
NAUI Exhibit



Fred Hammond
Audio-Visual



Cindy Flahan
Family Programs

IQ6 WINNERS — Awards and Drawings



Zale Perry and Dr. Arthur Bachrach with NOGI awards presented at IQ6 by Harry Shanks, President of the Underwater Society of America.



Farralon Industries donated a combination pressure and depth gauge for the drawings. Gerald H. Carpenter was the lucky winner.

The Seventh International Conference On Underwater Education — Miami, Florida, Sept. 26-28, 1975

Those not present when their names were drawn for prizes:

- *Chuck Lamoreaux
- *Julie Morse
- *Michael Duffy
- *Steve Abratis
- *Bryant Manista
- *Sam Morebello



Mike Busuitilli, National Training Director of the BSAC, won an all-expenses-paid diving trip for two to Bonaire. The trip was courtesy of Lisind International.



Steve Mason received a complete set of NAUI publications at the final session drawing in San Diego. Mark Perlstein, NAUI 3188, won a set of NAUI technical publications.

-NN-

NDA NEWS

NAUI DIVING ASSOCIATION PUBLICATION

JAN. 1975
VOL. 2, NO. 1



THE LOS ANGELES COUNTY SCUBA DIVING ORDINANCE

An Ordinance amending Ordinance No. 11025, entitled the "County Scuba Diving Ordinance," adopted October 15, 1974, and Ordinance No. 5860, entitled the "License Ordinance," adopted November 27, 1951; and declaring the urgency thereof and that this Ordinance shall take immediate effect.

The Board of Supervisors of the County of Los Angeles do ordain as follows:

Section 1. Ordinance No. 11025, entitled the "County Scuba Diving Ordinance," adopted October 15, 1974, is amended in its entirety so as to read as follows:

ARTICLE I

General Provisions

Sec. 1. *Short Title.* This Ordinance shall be known and may be cited as the "County Scuba Diving Ordinance."

Sec. 2. *Applicability.* The provisions of this Ordinance and any rules and regulations adopted pursuant thereto shall be applicable to and within the unincorporated territory of the County of Los Angeles.

Sec. 3. *Roster of Organizations Meeting Certification Requirements.* The Director of Parks and Recreation of the County of Los Angeles shall maintain a current roster of all organizations certifying scuba divers and instructors of scuba diving whose programs for certification and recertification for scuba divers and instructors of scuba diving comply with the requirements set forth in Articles IV through VII, inclusive, of this Ordinance.

Sec. 4. *Severability.* If any provision of this Ordinance or the application thereof to any person or circumstance is held invalid, the remainder of this Ordinance, and the applicability of such provision to other persons or circumstances shall not be affected thereby.

Sec. 5. *Violations.* Violation of this Ordinance is a misdemeanor punishable by a fine of not more than FIVE HUNDRED DOLLARS (\$500.00) or by imprisonment in the County Jail for not more than six (6) months or by both such fine and imprisonment. A repetition or continuation of any violation of any provision of this Ordinance on successive days constitutes a separate offense for each day during any portion of which such violation is committed, continued, or permitted.

Sec. 6. *Construction of Genders.* The masculine gender includes the feminine.

ARTICLE II

Prohibitions

Sec 101. *Scuba Diving.* A person shall not scuba dive unless:

(a) He is currently certified or recertified as a scuba diver or instructor of scuba diving by a recognized certifying organization; or

(b) He is diving in compliance with the requirements of Article IV for certification as a scuba diver; or

(c) He is diving in compliance with the requirements of Article V of this Ordinance for recertification as a scuba diver; or

(d) He is diving in compliance with the requirements of Article VII of this Ordinance for emergency recertification as an instructor of scuba diving.

Sec. 102. *Possession and Display of Credential by Scuba Divers.*

A scuba diver shall have the most recent credential issued to him by a recognized certifying organization attesting to his certification or recertification as a scuba diver and a recognized form of official identification in the immediate vicinity of his diving location at all times when diving and shall display both credential and identification upon demand by a peace officer enforcing the provisions of this Ordinance.

Sec. 103. *Scuba Instruction.* A person shall not instruct in the use of scuba diving equipment unless he is currently certified or recertified as an instructor of scuba diving by a recognized certifying organization.

Sec. 104. *Possession and Display of Credential by Instructors of Scuba Diving.* An instructor of scuba diving shall have the most recent credential issued to him by a recognized certifying organization attesting to his certification or recertification as an instructor of scuba diving and recognized form of official identification in the immediate vicinity of his location at all times when teaching the use of scuba diving equipment and shall display both credential and identification upon demand by a peace officer enforcing the provisions of this Ordinance.

Sec. 105. *Compressors Used to Furnish Compressed Air for Diving.* A person shall not furnish compressed air for use in scuba diving from a compressor without maintaining for the compressor a record of hours of operation, repairs, overhaul, filter maintenance, temperature adjustment, and results of all analyses and tests for air sampled.

Sec. 106. *Compressed Air Furnished for Scuba Diving.*

(a) A person shall not furnish compressed air for use in scuba diving that does not comply with the air purity standards set forth in Article VIII of this Ordinance.

(b) A person shall not furnish compressed air to the public for use in scuba diving to any individual not possessing current certification as a scuba diver and/or instructor, or to any individual not a student in a recognized scuba certification and/or recertification program.

Sec. 107. *Vessels Used for Scuba Diving in Open Water.* A person shall not operate a vessel for hire as a base of operation for scuba diving unless the vessel is operated and equipped in the manner specified by Article IX of this Ordinance, and the operator has submitted a letter of compliance to the Director.

Sec. 108. *Scuba Diving Equipment.* A person shall not sell, rent, or furnish for use scuba diving equipment unless it complies with the performance standards of Article X of this Ordinance.

Sec. 109. *Use of Intoxicating Liquor and Dangerous Drugs.* A person who has used any intoxicating liquor or dangerous drug for the preceding 6 hours shall not scuba dive.

ARTICLE III Definitions

Sec. 201. *Certified Instructor of Scuba Diving:* Shall mean a person who has complied with the requirements for certification and/or recertification of Articles VI and VII of this Ordinance.

Sec. 202. *Cylinder:* Shall mean a container with a circular transverse cross-section with the capability of containing high pressure gases.

Sec. 203. *Director:* Shall mean Director of Parks and Recreation of the County of Los Angeles.

Sec. 204. *Exhalation Resistance:* Shall mean the effort measured in inches of water at the mouthpiece necessary to open the exhaust valve in a regulator.

Sec. 205. *Floation Equipment:* Shall mean any inflatable device used to control a diver's buoyancy.

Sec. 206. *Gauge Lens:* Shall mean the transparent portion of the pressure gauge's outer case that allows viewing of the indicating numbers inside.

Sec. 207. *Hose Reinforcing Braid:* Shall mean the braided fabric layer of lining set in a rubber pressure hose that contributes the strength necessary to contain the pressurized gas.

Sec. 208. *Hydrostatic Test Interval:* Shall mean the maximum allowable period of time between each succeeding water pressure test.

Sec. 209. *Inhalation Resistance:* Shall mean the effort measured in inches of water at the mouthpiece necessary to cause a demand regulator to flow.

Sec. 210. *Internal Case Pressure:* Shall mean the pressure inside the case of a pressure gauge.

Sec. 211. *Intoxicating Liquor:* Shall mean any of those substances defined in Sections 23004, 23005, 23006, or 23007 of the Business and Professions Code of the State of California.

Sec. 211.5 *Dangerous Drugs:* Shall mean any of those substances defined in Sections 11018, 11019, 11020, 11021, or 11025 of the Health and Safety Code of the State of California.

Sec. 212. *Open Water:* Shall mean any body of water other than a swimming pool.

Sec. 213. *Pressure Hose:* Shall mean a flexible tubular device usually made of fabric reinforced rubber used for containing and directing the flow of a pressurized gas from one location to another.

Sec. 214. *Recognized Certifying Organization:* Shall mean an organization whose requirements for certification and recertification of scuba divers and instructors of scuba diving have been recognized by the Director as meeting the requirements set forth in Articles IV through VII, inclusive, of this Ordinance.

Sec. 215. *Regulator:* Shall mean a device for controlling the delivery of a gas to the diver relative to ambient pressure.

Sec. 216. *Submersible Pressure Gauge:* Shall mean a device for measuring the pressure within a cylinder while immersed in water.

Sec. 217. *Scuba Diving:* Shall mean diving with a self-contained underwater breathing apparatus.

Sec. 218. *Valve:* Shall mean a device for controlling the flow of gas by opening or closing a passage.

Sec. 219. *Weight Belt:* Shall mean a long flexible strap with appropriate means of fastening around the waist and to which ballast is attached.

ARTICLE IV

Requirements for Certification as a Scuba Diver

Sec. 301. *Qualifications.* The diver shall participate in a scuba diving course by having satisfied the following requirements:

- (a) (1) Have completed a medical history form approved by the Director;
- (2) If the diver is 40 years of age or older, or if the diver's completed medical history form reveals a condition which might be hazardous to the health and safety of the diver, when scuba diving, then the diver must be found physically fit to scuba dive by a physician whose examination included the diver's ears and sinuses; respiratory system; and cardiovascular system;
- (3) The requirements of subsection (2) when applicable shall be completed prior to the use of scuba diving equipment.
- (b) Demonstrated the ability to swim continuously for 200 yards without swimming aids; swim 50 feet underwater without swimming aids; swim 50 yards towing another person without swimming aids; float and/or tread water with minimal

— NDA NEWS —

Editor/Publisher

Dennis K. Graver

COPYRIGHT © 1975, NAUI Diving Association, 22809 Barton Road, Colton, Calif. 92324, all rights reserved. The contents of this publication may not be reproduced either in whole or in part without consent of the copyright owner. Phone (714) 783-1862

movement for 10 minutes; and tread water with legs only for 20 seconds.

- (c) Fulfillment of swimming requirements in accordance with Sec. 301 (b) is recommended prior to enrollment in a scuba diving course and mandatory prior to commencement of scuba training in the open water in said course.

Sec. 302. Classroom and Water Training. The diver shall have received and satisfactorily completed eighteen (18) hours of combined classroom and water training. This water training may be conducted in a pool or other water which is confined or protected. The ratio of students to instructor during this water training shall not have exceeded 12 to 1. The training shall have consisted of the following:

- (a) Instruction from a certified instructor of scuba diving on the use, preventive maintenance, and care of scuba diving equipment; laws of physics relating to scuba diving; physiology with emphasis on the lungs, circulatory system, ears, and sinuses; medical-psychological problems related to scuba diving resulting from effects of pressure; breathing compressed air; carbon dioxide build-up; hyperventilation; physical fitness; exposure, temperature, and carotid sinus reflex; marine hazards; orientation to first aid; mouth-to-mouth and cardiopulmonary resuscitation; Navy Decompression Tables and repetitive diving; recommended diving practices including the buddy system, communication, diver's logbook, emergency procedures, accident reporting, dive plan, and procedures for surf and boat, and nutrition; ecology; oceanography; laws or ordinances associated with the sport; and information sources for continuing education in scuba diving.
- (b) Practice in water with a certified instructor of scuba diving in the use of mask, fins, and snorkel; use of personal flotation devices; surface dives; water entries; use of weight belts; use of scuba diving equipment under normal and emergency diving conditions; and buddy breathing.

Sec. 303. Open Water Training. The diver shall have received and satisfactorily completed nine (9) hours of open water training with a certified instructor of scuba diving. No more than six (6) hours of open water training shall have been received during any one day. This training shall have been received where the ratio of students to instructor did not exceed 8 to 1 when using scuba diving equipment nor 12 to 1 when using skin diving equipment. The training shall have consisted of practice entries and exits from shore or boat or both, with and without scuba diving equipment; use of mask, fins, and snorkel; descent and ascent with and without scuba diving equipment; buoyancy control on and beneath the surface; swimming beneath the water with and without scuba equipment, in and around aquatic plants, clearing the mask and regulator, activating, where applicable, a reserve mechanism, monitoring a submersible pressure gauge, buddy breathing, emergency swimming ascent, buddy teamwork; swimming in surf or rough water with and without scuba equipment; and use of the safety whistle.

Sec. 304. Dives to Be Performed During Open Water Training. The diver shall have made, and satisfactorily completed one skin dive from shore, which shall have included surf or rough water training in the presence of a certified instructor of scuba diving. The diver shall also have made and satisfactorily completed two dives with scuba equipment, one of which shall be from shore, and one of which may be from shore or a vessel, in the presence of a certified instructor of scuba diving. Credit for no more than two (2) scuba dives shall be given within any one day.

Sec. 305. Completion of Written Examination. The diver shall have taken a written examination on scuba diving and received a grade of no less than 70%, which shall reflect thorough understanding of diving physics, diving physiology, and diving emergency procedures.

Sec. 306. Completion of Performance Examination. The diver shall transport himself and his gear 400 yards in water.

Sec. 307. Physically Handicapped Divers. If an individual cannot comply with the requirements of Section 301 (b) due to a physical handicap, the requirements may be waived if the individual can demonstrate sufficient watermanship to the satisfaction of a certified instructor of scuba diving.

ARTICLE V

Requirements For Recertification As A Scuba Diver

Sec. 401. Emergency Recertification. All persons certified as scuba divers on the effective date of this Ordinance shall be required to obtain recertification from a recognized certifying organization by July 1, 1975. A certified scuba diver who fails to obtain the recertification required by this Section shall not scuba dive except in the manner provided for by Sec. 101 (c) of this Ordinance.

Sec. 402. Emergency Recertification Requirements. Shall be the same as the periodic recertification requirements of Sec. 404 (a), (b), (c), and (d) of this Ordinance.

Sec. 403. Periodic Recertification. Every scuba diver who is certified or recertified by a recognized certifying organization following the effective date of the Ordinance shall obtain recertification from a recognized certifying organization every two years from the date of the preceding certification or recertification. A certified scuba diver who fails to obtain the periodic recertification required by this Section shall not scuba dive except in the manner provide by Sec. 101 (c) of this Ordinance.

Sec. 404. Recertification Requirements.

- (a) The diver shall have been found to be physically fit to scuba dive in the manner provided by Section 301 (a) of this Ordinance.
- (b) The diver shall have demonstrated in water, to the satisfaction of a certified instructor of scuba diving, who is present, the skills set forth in Section 302 (b) of this Ordinance. The diver shall also have demonstrated to the satisfaction of a certified instructor of scuba diving, familiarization in mouth-to-mouth and cardio-pulmonary resuscitation.

- (c) The diver shall have demonstrated in open water, to the satisfaction of a certified instructor of scuba diving, who is present, the diver's proficiency in the use of scuba diving equipment and safe practices in the use of said equipment by entrances and exits from shore or boat or both; descent and ascent beneath the surface of the water; buoyancy control on or beneath the surface of the water; swimming beneath the surface of the water; clearing of mask and regulator; monitoring of a submersible pressure gauge; buddy breathing; emergency swimming ascent; buddy teamwork; swimming in and around aquatic plants; swimming in surf or rough water on and beneath the surface of the water; and any other exercises requested by the instructor that serve as reasonable indicators of proficiency and safe practices. The certified instructor of scuba divers is required to carefully screen all scuba divers before open water diving to insure that diving safety practices have been adequately explained to them.
- (d) In lieu of the requirements of Sub-Sections (b) and (c), the diver shall produce a diving log documenting a minimum of twelve (12) open water scuba dives during the preceding twelve months with a witnessing signature for each recorded dive.

ARTICLE VI **Requirements for Certification** **As Instructor of Scuba Diving**

Sec. 501. *Qualifications.* The instructor shall have qualified for certification in a course of instruction on the teaching of scuba diving that provides the training and testing specified by Sections 502 and 503 of this Ordinance by having satisfied the following requirements:

- (a) Possess current training in first aid, life saving, cardio-pulmonary resuscitation, and current scuba certification.
- (b) Found to be physically fit to scuba dive by a physician whose opinion is based upon a physical examination of the diver that has included an examination of the diver's ears and sinuses; respiratory system; and cardiovascular system.
- (c) Demonstrated the ability to swim three hundred (300) yards, demonstrating at least two strokes in good form; be able to demonstrate 10-minute surface survival techniques; back floating; treading water; bobbing/drownproofing (survival floating); swim twenty-five (25) yards underwater with one breath and no push-off; scuba dive in open water; use and perform preventive maintenance on scuba diving equipment; and use recognized safety procedures associated with scuba diving.

Sec. 502. *Training.* The instructor shall have received and satisfactorily completed a total of 100 hours of training from a recognized certifying organization during which the following instruction shall have been

received by both lecture and practical work, including water work; watermanship in pool and open water; classroom teaching presentations; practical teaching presentation; teaching theory, methods, techniques, evaluation, and aids; diving environment; diving equipment; medical aspects of scuba diving; decompression and repetitive diving; diving physics; scuba diving course operations and procedures; emergency procedures and open-water diving; diving physiology; diving physical fitness; diving first aid; diving life saving; legal aspects of diving instruction; advanced and specialty-diving orientation concerning subjects such as, but not necessarily limited to, skin diving, underwater navigation, deep diving, and air consumption; and a written examination of the training received.

Sec. 503. *Completion of Written Examination.* The instructor shall have taken and satisfactorily passed written examinations covering the instruction received. The content of the written examination shall have been prepared by a recognized certifying organization and the determination of satisfactory completion shall be made by or under the supervision of a certified instructor of scuba diving.

ARTICLE VII

Sec. 601. *Emergency Recertification.* All persons certified as instructors of scuba diving on the effective date of this Ordinance shall be required to obtain recertification by March 1, 1975. An instructor who fails to obtain the recertification required by this Section shall not instruct scuba diving until he complies with the requirements of Article VI of this Ordinance for certification as an instructor of scuba diving.

Sec. 602. *Emergency Recertification Requirements.*

- (a) The instructor shall have been found to be physically fit in the manner provided by Section 501 (b) of this Ordinance.
- (b) The instructor shall have demonstrated in water to the satisfaction of a recognized certifying organization the scuba skills set forth in Section 501 (c) of this Ordinance. The instructor shall also have demonstrated to the satisfaction of a recognized certifying organization proficiency in mouth-to-mouth and cardio-pulmonary resuscitation.
- (c) The instructor shall have demonstrated in open water to the satisfaction of a recognized certifying organization, the instructor's proficiency in the use of scuba diving equipment and safe practices in the use of said equipment by water entrances and exits from shore or boat or both; descent and ascent beneath the surface of the water; buoyancy control on or beneath the surface of the water; swimming beneath the surface of the water; clearing of mask and regulator; monitoring of a submersible pressure gauge; buddy breathing; emergency swimming ascent; buddy teamwork; swimming in and around aquatic plants; swimming in surf or rough water on and beneath the surface of the water.

and any other exercises requested by the instructor that serve as reasonable indicators of proficiency and safe practices.

- (d) The instructor shall have taught two (2) classes with an overall total of not less than ten (10) students in a certification program of a recognized certifying organization within a period of twelve months from the date of issuance of the preceding certification or recertification.
- (e) The instructor shall have current training in lifesaving and first aid or attended one professional water-work session and one professional safety seminar.
- (f) The instructor shall demonstrate to the satisfaction of the recognized certifying organization that he has met the requirements for certification as an instructor of scuba diving as set forth in Article VI of this Ordinance.
- (g) In lieu of the requirements of Sub-Sections (b) and (c), the instructor of scuba diving shall produce a diving log documenting a minimum of twenty-four (24) open-water dives during the preceding twelve (12) months with a witnessing signature for each recorded dive.

Sec. 603. Periodic Recertification. Every instructor of scuba diving who is certified or recertified by a recognized certifying organization following the effective date of this Ordinance shall obtain an annual recertification from a recognized certifying organization every 12 months from the date of issuance of the preceding certification or recertification. A certified instructor of scuba diving who fails to obtain the periodic recertification required by this Section shall not instruct scuba diving until he can demonstrate to the satisfaction of the recognized certifying organization that the instructor possesses the required knowledge and proficiency necessary to instruct scuba diving.

Sec. 604. Periodic Recertification Requirements.

- (a) The instructor shall have taught three classes with an overall total of not less than fifteen (15) students in a certification program of a recognized certifying organization within a period of twelve months from the date of issuance of the preceding certification or recertification.
- (b) The instructor shall have current training in lifesaving and first aid or attended one professional water-work session and one professional safety seminar.
- (c) The instructor shall have been found to be physically fit to scuba dive in the manner provided for by Section 501 (b) of this Ordinance.
- (d) The instructor of scuba diving shall produce a diving log documenting twenty-four (24) open-water scuba dives during the preceding twelve months. A witnessing signature is required for all dives.

ARTICLE VIII

Sec. 701. Compressed Air. Shall meet the following commodity specifications for air of the Compressed Gas Association Commodity Specification G-7.1 - 1973:

- (a) **Oxygen Content.** Not less than 19.5% nor more than 23.5%.

- (b) **Carbon Dioxide Content.** Shall not exceed 1,000 parts per million.

- (c) **Carbon Monoxide Content.** Shall not exceed 20 parts per million and shall not have a pronounced odor.

- (d) **Condensed Hydrocarbons.** Shall not exceed 5 milligrams per cubic meter.

In addition, the dew point of the air shall not exceed minus 50 degrees Fahrenheit, equivalent to 70 parts per million.

ARTICLE IX

Requirement For Vessels Operated For Hire As a Base of Operations For Scuba Diving.

Sec. 801. Certification Check. Every scuba diver shall be required to display before boarding the vessel, a credential issued by a recognized certifying organization attesting to the diver's current certification or recertification as a scuba diver or instructor of scuba diving. This section shall not preclude an individual who is a student in a scuba diving course at a recognized certifying organization from boarding and using the vessel as a base of operations for scuba diving when accompanied by a certified instructor of scuba diving.

Sec. 802. Required Emergency Equipment. Within thirty (30) days from the effective date of this Ordinance the vessel shall be equipped with emergency equipment including an oxygen resuscitative unit; first aid kit; floatation device for quickly reaching and aiding a distressed diver; a recall system capable of being heard or seen by scuba divers under and on the surface of the water; and a marker buoy.

Sec. 803. Trained Operator for Emergency Equipment. Within thirty (30) days from the effective date of this Ordinance the vessel shall carry personnel trained in the use of the emergency equipment described in Section 802.

Sec. 804. Roster of Scuba Divers. A roster of all scuba divers and passengers using the vessel as a base of operations for scuba diving shall be kept aboard the vessel during the voyage. The roster shall be displayed upon demand by a peace officer. In the event of a fatality or injury requiring evacuation to a scuba diver while diving a manifest of all passenger's names, addresses, and telephone numbers shall be obtained prior to disembarkment of passengers.

Sec. 805. Isolation of Diving Equipment. In the event of a fatality or injury requiring evacuation of a scuba diver while using the vessel as a base of operations for scuba diving, the operator of the vessel shall attempt to secure possession of all scuba equipment separated from the diver and isolate the separated equipment from access to persons other than a peace officer investigating the fatality or injury. Possession of the separated equipment shall be delivered only to a peace officer.

ARTICLE X

Performance Standards For Scuba Diving Equipment

Sec. 901. Regulators. Shall comply with the following standards:

- (a) Have a minimal inhalation/exhalation resistance not to exceed three (3) inches of water pressure at normal respiration rates at 1 atmosphere absolute pressure in air.
- (b) Not leak water upon inhalation or exhalation.
- (c) Not have an intermediate pressure hose with cuts or abrasions extending through the hose reinforcing braid.
- (d) Not contain rubber components with cracks, deterioration (gumminess), abrasions, cuts, or holes that affect the structural integrity of the parts.
- (e) If equipped with an integral reserve mechanism, shall warn the diver that his air supply is low at a cylinder pressure of 250 p.s.i.g. minimum.

Sec. 902. *Valves.* Shall comply with the following standards:

- (a) Not have a seal to the regulator that will leak air when the regulator is properly attached to the valve and maximum-rated cylinder pressure is applied to the connection.
- (b) If equipped with a reserve mechanism (J-valve), shall have a noticeable restriction to breathing or other suitable means to warn the diver that he has reached his reserve level. Pressure at which this function becomes noticeable shall be a minimum of 250 p.s.i.g. Units which use flow restriction as the warning mechanism shall remove said restriction upon release of the reserve by the diver.

Sec. 903. *Cylinders.* Shall comply with the following standards:

- (a) Be within its hydrostatic test interval as specified by the United States Department of Transportation.
- (b) Within sixty (60) days from the effective date of this Ordinance be visually inspected annually to assure freedom from excessive rust, loose scale, or moisture.
- (c) Units within the annual visual inspection period which have evidence of loose corrosion products or water within the cylinder shall be reinspected prior to refilling.

Sec. 904. *Submersible Pressure Gauges.* Shall comply with the following standards:

- (a) Be within 5% accuracy of full scale over the entire gauge range.
- (b) Be equipped with a means of relieving internal case pressure without explosively ejecting the gauge lens or bursting the case.
- (c) Not have a pressure hose with cuts or abrasions extending to the hose reinforcing braid and not leak air through the braid.

Sec. 905. *Weight Belt.* Shall comply with the following standards:

- (a) Have an attachment mechanism that will securely remain fastened under a minimum tensile load of 20 pounds.
- (b) Be releaseable by the diver upon actuation of the release mechanism with either hand.

Sec. 906. *Floatation Equipment.* Shall comply with the following standards:

- (a) Be airtight and capable of holding a pressure of two p.s.i. minimum with relief valves blocked.

- (b) Possess a minimum buoyancy of 15 pounds when fully inflated at the surface.
- (c) Have a means by which it must be attached to the diver and must be capable of supporting the buoyancy load of a fully inflated unit.
- (d) Be equipped with an over-pressure valve capable of relieving a fully inflated unit when released by itself from 33 feet without sustaining structural damage to the unit. This shall apply to a unit that can be inflated by means other than a compressed gas cartridge.
- (e) Not be used with compressed gas cartridges with capacities greater than those recommended by the manufacturers unless equipped with an over-pressure mechanism.
- (f) Be maintained in a clean, operable condition, whether oral, compressed gas, high pressure, bottle fed or scuba-cylinder fed.
- (g) Not contain components with cracks, deterioration, abrasions, cuts, or holes that affect the structural integrity of the unit.

Section 2. Chapter XXIII of Ordinance No. 5860, entitled the "License Ordinance," adopted November 27, 1951, is repealed.

Section 3. *Declaration of Urgency.* Safe scuba diving requires that users of self-contained underwater breathing apparatus be physically capable of diving, receive instruction in the use of the equipment from a qualified instructor, and maintain proficiency through scuba diving; that air furnished for use in scuba diving meet specific standards for air purity; that equipment furnished for use in scuba diving meet specific performance standards, and that vessels being used as bases of operation for scuba diving observe specific operating procedures and carry equipment for the protection of the scuba diver. At the present time, compliance with the aforementioned requirements is voluntary. Increases in deaths of persons while scuba diving indicate that safe scuba diving cannot be assured through programs of voluntary compliance. Due to an increasing participation in scuba diving on the part of the citizens of the County of Los Angeles and an increasing use of the territorial waters of the County of Los Angeles for scuba diving, it is imperative that the public health and safety be immediately protected by the establishment of mandatory standards designed to make scuba diving safe. This Ordinance establishes such standards. By reason of the foregoing facts, this Ordinance is urgently required for the immediate preservation of the public peace, health and safety, and the same shall take effect immediately upon the passage thereof.

**THIS COULD BE YOUR
LAST ISSUE!**



Unless you have renewed your membership. If you joined before Nov., 1973 and have not renewed, do it now! In view of the current legislation, can you afford not to be informed? Send \$10 for renewal to NDA Headquarters - TODAY!

THE NAUI POSITION ON DIVING LEGISLATION

By Larry Cushman, NAUI President

Many of you are aware that the Los Angeles County Board of Supervisors has developed a very comprehensive ordinance which regulates many aspects of skin and scuba diving, diving instruction, dive shop operations, charter boat operations and the rental, sale and manufacturing of diving equipment. Failure to comply with these regulations is a misdemeanor. The laws will be enforced by the Los Angeles County Sheriff's Department.

This "emergency" scuba diving ordinance was created because of some dramatic articles about diving accidents that appeared in the Los Angeles Times. In this series of misleading articles, readers were given the impression that sport diving in the area was extremely dangerous because of irresponsible instruction and the influence of commercial interest. The hasty action of the Board of Supervisors in drafting the ordinance helped confirm the inaccurate conclusions in the articles. Other California counties (and some states) are now in the process of drafting similar legislation.

The truth is that sport diving is not an irresponsibly dangerous activity. There are fewer fatalities per number of participants in diving than in snow skiing, motorcycling, and many other action type sports. In fact, national diver certification agency statistics show that the sport has become safer every year. For example, NAUI instructors had certified a total of 138,500 divers by the end of 1969. At the end of 1973 the total was 412,400 - an increase of almost 300 percent in four years. The records of the other certifying agencies show similar increases. Yet the diving accident rate did not increase 300 percent. On the contrary, it remained about the same each year during this period. The NAUI statistics accumulated so far in 1974 tell the same story! Diving accidents are continuing to decrease in relation to the number of participants. Unfortunately, a diving accident is much more newsworthy than a skiing accident.

There are some other factors to consider in

relation to the ordinance. First, sport diving is a voluntary recreational activity. People involved in the sport recognize that it would probably be safer staying at home rather than participate. They also recognize they have the right to exercise their own judgement in determining what constitutes a risk.

Second is the question, "Will this type of legislation make sport diving safer?" The answer is no. All it will do is impose an inconvenience and financial burden on those who dive. The administrative and enforcement cost will be passed on to the public. The cost incurred by the diving industry will also be passed on in the form of price increases for goods and services.

But the main problem is not the content of the Los Angeles County Ordinance. The diving industry will have little difficulty meeting the requirements. NAUI for example has been in compliance with all of the important imposed regulations concerning student and instructor training standards for years. The periodic recertification of scuba divers, which is the only proposed regulation that would require a major procedure change was previously considered and rejected by the Board of Directors in favor of providing a series of advanced training courses and local diver education programs to achieve the same objective.

The real problem is the fact that unfair publicity can almost instantly damage an entire specialized industry. It can cause nervous law makers to react without taking the time to determine the truth or consider the long range implications of their actions.

I urge all of you to do what you can to oppose this type of ordinance or any similar ordinance. Southern California is the most active diving area in the United States. What happens there could quickly spread across the country by means of nothing more rational than irresponsible journalism and blind, "Follow the Leader" thinking.

- 30 -

APPRECIATION TO ED CARGILE

Ed Cargile, Editor/Publisher of NDA NEWS until this printing, was one of the prime personalities in the development of NDA. Ed's efforts include serving as NDA Program Manager, editing and publishing DIVING WORLD magazine, authoring a writer's and photographer's guide and traveling and speaking at numerous NDA programs.

Ed is currently the Deputy Director of Bell/Saturation Diving at the Commercial Diving Center in Wilmington, CA and is writing a 15 volume Ocean Technology Library for Phoenix House of Los Angeles. The library will include 13 books on diving and 2 books on undersea vehicles. These worthwhile and demanding endeavors require more than a full time effort from Ed.

The NDA Board of Governors and the Headquarters staff thank Ed Cargile for his efforts and accomplishments in the NAUI Diving Association. Ed will continue to be active in NDA activities, so when you see him at an NDA Seminar or other activity, be sure to say "Hi" and tell him how much you enjoyed his work with NDA.

- 30 -



Ed Cargile

DENNIS GRAVER NEW EDITOR

The Projects Manager of NAUI Headquarters since 1972 and Editor/Publisher of NAUI NEWS, Dennis Graver has been designated the new Editor and Publisher of NDA NEWS.

Dennis has a strong background in sport diving as a hobbyist and diving instructor. He began diving in 1959, was certified as a NAUI Instructor in 1968, and has taught all levels of sport diving. Dennis has helped to organize and run dive clubs, directed Instructor Certification Courses and served as an equipment consultant.



Dennis Graver

A writer, photographer and lecturer, Dennis has numerous published articles and photos in national newsletters and magazines. He has spoken at national conferences and conducted an extended lecture tour of all states and major cities in Australia. The trip was funded by the Australian government and the Australian Underwater Federation. Dennis was the keynote speaker at the Australian National Diving Symposium. Each year he speaks to hundreds of instructor candidates at instructor programs on a variety of topics. D.G. is currently writing a book on sport diving.

Dennis Graver is hoping to make NDA NEWS a graphic publication aimed directly at the diver who dives for pleasure and wants to do so more safely. Articles and photos contributing to the motto of NDA, "Safety Through Continued Education", should now be sent to Dennis Graver, Editor/Publisher NDA NEWS, NDA Headquarters.

- 30 -

NDA — NAUI INTERNATIONAL PHOTOGRAPHIC COMPETITION

One of the world's largest diver oriented photographic competitions is held each year in cooperation with Seattle's MAN IN THE SEA SYMPOSIUM. Elegant ribbons and cash prizes go to novice and experienced photographers who catch the eye of judges or divers attending the Symposium.

Both surface and underwater pictures are eligible. Pictures are accepted in six categories: black and white print, color print, novice slide, northern latitude slide and open slides. Surface slides relating to the diver's world comprises the final group. Pictures are judged in two separate competitions. All pictures are evaluated and ribbons awarded by a panel of professional photographers.

Independently screened pictures are presented to those divers attending the North Pacific Symposium and judged by the audience for ribbons and cash prizes.

Entry fees are nominal. Divers throughout the world are eligible and are encouraged to write for entry details to NAUI North Pacific, 6531 N.E. 198th Street, Seattle, Wash. 98155, U.S.A. 1975 competition deadline is March 14.



SEATTLE SYMPOSIUM — OR ANY OTHER

Nearly every month there is notice that in some region of North America a symposium, conference or workshop is scheduled. A few are the big ones like NAUI sponsored IQG or the Boston Sea Rovers Clinic. Reasons for attending are many but the most obvious seems to be that such conferences provide a focus for people with a common interest. Certainly, while visiting old friends or making new ones, divers have the opportunity to expand knowledge of their favorite outdoor sport or obsession.

Our form of diving has been in North America for nearly 25 years now. Its growth rate and increased complexity is scary to those of us who have been around most of that time. We recognize how little we knew in the early days. For most divers, SKIN DIVER magazine was the only means to share new ideas.

The technical conference such as the North Pacific area MAN IN THE SEA SYMPOSIUM has become another vital link for novice and old pro alike to keep abreast of new happenings in diving. We believe the Seattle based program has been an asset to divers since the first one in 1968. On March 22 and 23, 1975, we will present the seventh symposium. Like all previous ones, the topics will be timely and designed to entertain as well as inform.

For some years many divers believed they could take or give a basic scuba course and then enjoy the sport without further education. That cannot be, because the science of diving has not yet been adequately described. Technical conferences can only become more useful to each diver. NAUI emphasizes very clearly diving is a continuing education sport.

North Pacific divers are therefore invited to attend the forthcoming MAN IN THE SEA SYMPOSIUM slated for the Pacific Science Center, Seattle, March 22-23, 1975. The program has been sold out in advance for the past four years so only those who register early have a chance to attend. Advance registration opens February 1, for \$7.00, including all lectures, films and exhibits during the weekend event. NAUI instructors and NDA members are eligible for a \$1.00 refund on their full session ticket at the door upon proof of membership. A limited number of one day registrations will be accepted.

NAUI/NDA ACTIVITIES

NAUI BRANCH MANAGERS

- | | |
|--|--|
| 1. NORTH PACIFIC
6531 N.E. 198th
Seattle, WA 98155
206/486-2252 - 486-2252
Bill High, Manager | 7. SOUTH ATLANTIC
P.O. Box 10366
Riviera Beach, FL 33404
305/844-5291
John Larsen, Manager |
| 2. MID PACIFIC
816 Columbia Street
Santa Cruz, CA 95060
408/429-1664
Robert H. Widmann, Manager | 8. MID ATLANTIC
P.O. Drawer C
Deepwater, NJ 08023
609/678-3442
Lee Kvatnes, Manager |
| 3. PACIFIC
142 Paseo De La Concha
Redondo Beach, CA 90277
213/378-0955
John Gimbel, Manager | 9. NORTH ATLANTIC
Box 291, Back Bay Annex
Boston, MA 02117
617/283-4933
Fred Calhoun, Manager |
| 4. SOUTH PACIFIC
4971 Mt. Gaywas Drive
San Diego, CA 92117
714/286-5867 - 278-6210
C. Mark Flahan, Manager | 10. CANADA
10 Monet Avenue
Etobicoke, Ontario, Canada
416/621-0783
Stefan Kozak, Manager |
| 5. MID AMERICA
Box 14156
University Station
Minneapolis, MN 55414
612/236-7930
Merritt Bartlett, Manager | 11. JAPAN
No. 17 San-Ei-Cho
Shinkuku-ku
Tokyo 160, Japan
357-1001
Tetsu Taguchi, Manager |
| 6. SOUTHWEST
2120 Peckham Street
Houston, TX 77019
713/526-8957
Leon Henry, Manager | HQ. NDA HEADQUARTERS
22809 Barton Road
Grand Terrace, CA 92324 |



INSTRUCTOR QUALIFICATION COURSES

Mar. 1-2	Portland, ME	(6)	Apr. 12-13	San Diego, CA	(4)
Mar. 1-2	Freeport GR, Bahamas	(7)	May 3-4	Rockport, MA	(9)
Mar. 8-9	Orlando, FL	(7)	June 12-13	Long Island, NY	(9)
Mar. 15-16	Long Island, NY	(9)	July 12-13	Buffalo, NY	(9)
Mar. 29-30	U.C. Davis, CA	(2)			

INSTRUCTOR QUALIFICATION AND TRAINING COURSES

Mar. 3-10	Portland, ME	(9)	July 13-19	Minneapolis, MN	(5)
Mar. 22-29	Santa Barbara, CA	(3)	July 14-21	Buffalo, NY	(9)
May 10-11	Rockport, MA	(9)	July	Peterborough, Ont, Can.	(10)
June 14-21	San Diego, CA	(4)	August 16-24	Chicago, IL	(5)
June 14-21	Long Island, NY	(9)	August	Halifax, Nova Scotia	
June	Seattle, WA	(1)			

SYMPOSIUMS / SEMINARS / WORKSHOPS / CONFERENCES

Mar. 14	International Photographic Competition, Seattle, WA	(1)
Mar. 22-23	"Man in the Sea" Symposium, Seattle, WA	(1)
Apr. 5	Underwater Film Review, Boston MA	(9)
Apr. 5	Underwater Symposium, Cambridge, MA	(9)
Sept. 20	Underwater Film Review, Boston, MA	(9)
Sept. 25	NAUI-NDA General Membership Meeting, Miami, FL	(7)
Sept. 26-28	IQ7 Miami, FL	(7)



You have probably noticed the excellent illustrations adorning the pages of NDA NEWS for the past several issues. These are the work of Jim Mitchell, who will continue to provide graphic support for the NEWS. Jim also supplies art work for NAUI NEWS, NAUI Technical publications, credentials and promotional pieces.

In addition to his artistic abilities, Jim is a great diver and photographer. He would have to be to depict so clearly the various diving scenes the way he can. He is a Water Safety Instructor, a First Aid Instructor and enjoys Karate.

Jim is currently attending college, where he has studied art, photography and graphic technology. He now intends to study medicine and work toward a profession in hyperbaric medicine. With a father who is a doctor, a mother who is a nurse and diving friends who are doctors, it's no wonder Jim would be inclined toward a career in diving medicine.

When you are attracted to an article by the excellent supporting illustrations, think of Jim Mitchell and be thankful as we are for his talents. Look for his trademark on other NAUI graphics also, for we're looking to get the maximum benefit from his efforts.

- 30 -

THE END RESULT COULD BE DISASTROUS

by Chel Langworthy, NAUI 2806

It could happen to any scuba diver at any time and it is an area that few of us ever give any consideration to.

Visualize this - you are descending feet first and at 30 feet, just after exhaling, your mouthpiece is violently torn from your mouth, you feel a tug on your left shoulder and your pressure gauge disappears! As you reach behind to find your hose and mouthpiece you realize that you are rapidly moving towards the surface (let's hope you are exhaling) making an unscheduled buoyant ascent.

Hopefully you will respond satisfactorily and will reach the surface safely. This is exactly what happened to Jim Kelly, an experienced NAUI certified diver on 29 Sept. '74, at a quarry in Willow Springs, Pa.

This unpleasant experience resulted from Jim's tank slipping through the backpack retaining band. The band is covered with a rubberized material to prevent it from scratching the tank. The band was secured just tight enough to hold the tank in place on the surface but when exposed to an increase in pressure the rubberized material was compressed sufficiently to allow the tank to slide completely free.

In Jim's case he responded as he had been trained to and experienced only a few moments of anxiety accompanied by a slight amount of embarrassment.

At this point we should take a few seconds to reflect back on what could have happened to Jim. What if he were wearing a neck strap attached to his regulator mouthpiece? What if the tank slid free of the backpack band but the pressure gauge or the mouthpiece hung up on the band? What if he had been assisting another diver? What if he had been under ice or in a cave? These are just a few reasons why we should check to make sure that the tank is tightly secured to the backpack at all times.

Editor's Note: A couple of wraps of electrical tape around the tank immediately above the pack band will help prevent a slipping tank. This will also mark the height adjustment for the pack.

- 30 -

"SAFETY THROUGH CONTINUING EDUCATION"

WHAT WAS THE WATER TEMPERATURE?

by Steven M. Barsky, NAUI 2076

At Underwater Sports in Santa Barbara, CA we run a very successful Advanced Diver Program. One of the requirements for the course is for all divers to keep records of their dives. Most of the students find the NAUI Log Book and Training Record to be the most convenient way to meet this requirement. It provides the appropriate space to note all pertinent information.

Recently it was brought to my attention I had forgotten to make available one of the most important parts of this information system. We were diving with our class at Santa Cruz Island, one of several offshore diving areas near Santa Barbara. It was a great diving day — the visibility was excellent and the water was quite calm. Almost every diver had no trouble finding his limit of abalone. Several divers were shooting pictures. One of my students came aboard and started to make notes in his log. He stopped me and asked if I remembered the water temperature from the last dive.

"You know Steve, it would be really great if there was some way to record this information underwater," remarked the diver. It was only then that I recalled the NAUI Diving Log Information Transfer Slate. It's a plastic slate with permanent divisions to record all of the information so essential for future records. Someday, log books will be required for all divers just as they already are for pilots and sport parachutists. If you start keeping logs now, with all the essential information, you'll be ahead of everyone else.

I personally regret not having kept accurate logs since the start of my diving career. I was having dinner with several NAUI instructors who all agreed how great it would be to trace their diving careers — if only they had kept logs from the start. We each had lost forever several hundred dives . . .

Besides being a way of verifying diving experience, the log book will provide important information to the amateur naturalist. Marine creatures in particular are especially sensitive to seasonal changes in water temperature, tides and the like. A good log can be immensely helpful in locating marine organisms year after year if the proper notes are kept. The transfer slate will allow you to note compass bearings and navigation lineups in the water for that special wreck or reef. This information can then be transcribed to the appropriate section in your log book.

The NAUI Log Transfer Slate and NAUI Log Book and Training Record are available through NAUI/NDA Headquarters. Start keeping a log, no matter how long you've been diving. The next time a non-diving friend asks you about your diving experience just show him or her your log book. They will be very impressed and you will be glad you started it.

Editor's Note: The Diving Log Book is becoming more important due to current legislation in Los Angeles County. Logged dives can be used in lieu of a large portion of the bi-annual recertification requirements.



22809 Barton Road
Grand Terrace (Colton), CA 92324

PRINTED BY NAUI IN USA



Non-Profit
Organization
U.S. Postage
PAID
San Bernardino,
Calif.
Permit No. 188

President's Message

As many of you know, NAUI has been an important part of my life since that enlightening Instructor Certification Course in Santa Monica, California more than twelve years ago. I have learned a great deal from my involvement with the Association, and have been presented opportunities to advance professionally in the diving industry that were the direct result of this involvement. The closest and most loyal friends I have are NAUI people.

For a long time I have felt that NAUI has offered me much more than I have ever been able to repay. Now I have the opportunity to pay part of this debt in a very direct way. I intend to help improve the organization and promote its goals in every way I can.

Thanks for the chance to do this.

*Larry Cushman
President*

A TRIBUTE TO GLEN EGSTROM



Glen Egstrom may well be the most knowledgeable and widely experienced individual in recreational diving in this country today. Over a period of almost a decade he has occupied a series of leadership positions in diving, just in an association that pioneered many of the organizational procedures and instructional techniques in effect today, and most recently with the largest diving instruction organization in the world.

Dr. Egstrom's expert guidance has been a major force in the development of our industry. His direct personal contributions have made the sport significantly safer and more enjoyable for thousands of divers everywhere, and for thousands more to come.

It has been my honor over the years to work with Glen, and to learn from him, as so many of us have. He is a great teacher, a great diver and a great friend.

-NN-

NATIONAL COMMITTEE ON PROFESSIONAL ETHICS

In August 1974, the Board of Directors appointed for the first time, a National Committee on Professional Ethics. While the committee has been in existence for only a short time, it has informally ventured several opinions on matters relating to professional ethics and NAUI members.

Code of Ethics

In accordance with Ethics Committee Guidelines, the National Advisory Committee has now been charged with the task to establish a new Code of Ethics. At present, the committee is reviewing the present Code (see page 1.1(d-1) in the Instructor Handbook).

Members who wish to express their views or make suggestions on the development of a new set of ethics should write the Chairman, Gerry Eisenstat; Shapiro, Brotman, Eisenstat & Capizola; 1179 East Landis Avenue; Vineland, New Jersey 08360, or a Committee Member in your area.

The new Code is to be completed by April 1975, so please act promptly.

THE NATIONAL ETHICS COMMITTEE



Britton
Mockridge



Gerry
Eisenstat



Robert
Spurr



Henry Vogt



Dr. Ron Johnson



Joe Gallant



Dennis Bowman

and
Orion
Schultz

-NN-

A LETTER TO CANADIAN NAUI INSTRUCTORS . . .

by Britton O. Mockridge, NAUI 2036
President, NAUI Canada



Britton Mockridge
President



Warran Buck
Vice-President



David S. Addyman
Secretary



Steve Kozak
General Manager

Dear Member:

On October 20, 1974, we held the Annual Meeting of Members of NAUI Canada at the Canadian Red Cross Society building in Toronto, at which time the membership elected David S. Addyman, 1211, and re-elected Donald H. H. MacKenzie, M.D., 1069, and Britton O. Mockridge, 2036, to the Board of Directors. Following the Annual Meeting of Members, the Board of Directors, in accordance with the by-laws of NAUI Canada, elected Britton O. Mockridge, President, Warran Buck, Vice-President, David S. Addyman, Secretary, and Steve Kozak, General Manager. The remaining members of the Board are John Rogers, Gino Gemma, and Kurt Wiesselmann. Both Gino and Kurt were appointed Directors to complete the terms vacated by Ian Britt and Jack Adams who resigned from the Board during last year.

As a professional instruction organization, it is essential that we police ourselves. If we fail to police ourselves adequately, someone else will and that someone will most likely be the government. Therefore, the role of local ethics committees is very important. In this regard, your Board appointed the following persons to the respective local ethics committees. I should add that the role assumed by these persons is extremely onerous, very difficult, and of the utmost importance.

Ben Davis, after serving NAUI in virtually every capacity over the past thirteen years, decided not to stand for re-election to the Board and, consequently, has stepped down

from the Presidency. At a Directors' meeting immediately following the Annual Meeting, the Board of Directors unanimously appointed Ben Davis Chairman of the Advisory Board and he has advised us that he will be active in such capacity over the next few years. Once again, he has agreed to be involved in the operation of NAUI Canada and to give us the benefit of his wise counsel.

A LETTER FROM BEN DAVIS, PAST PRESIDENT, NAUI CANADA



Dear Friends,

First, let me say how much I treasure the sterling silver Cross mechanical pencil which you gave me on the occasion of my retirement from the BOD on October 20, 1974.

Second, I will take this opportunity to endorse most enthusiastically the Directors you have elected. They are all, in my view, top rate people. Warran Buck and Gino Gemma from the West, Dave Addyman, Don MacKenzie and Brit Mockridge from Ontario, John Rogers from Quebec, and Kurt Wiesselmann from the Atlantic provinces.

Third, I urge you to support your fellow instructors and the Board in maintaining NAUI at its very highly respected position. The program plan has gone out into the field and when you are approached to take on a role, I hope you will provide further evidence of your leadership ability.

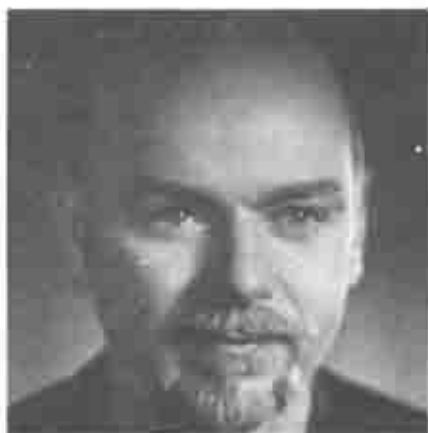
Finally, legislation of severe proportions has recently been put into force in Los Angeles County in California due to the unfortunate loss of a number of divers in a relatively short period of time. It is likely that similar legislation will follow in the state of California and in other states, including Florida.

If we are to avoid legislation, it will be by policing our own sport and operating safely. In the matter of an attitude of safety, I submit the following for us as instructors as well as a message for every student; "When diving, a problem is inevitable, it is only a matter of when it will occur and to whom." With a 360° view and the sensitivity to go with it, NAUI everywhere will maintain safety and security.

The International influence of NAUI is certainly one of the plus factors of membership in the organization. The fact that input from so many places with such varied diving conditions is readily accepted and in fact solicited is the strength of NAUI. Let us in NAUI Canada do our share in maintaining that International strength.

I hope to see you in the water soon.

Sincerely, NAUI Canada
C. B. Davis, P. Eng., NAUI 101
Past President



Ben Davis

Ben Davis announced at the Annual Meeting that a submission had been put to the International Board requesting them to give us approval in principle for the establishment of an independent financial operation. At IQ6, Messrs. Davis, Schafer, and MacKenzie attended the Board meeting of the International Board and presented this scheme. After a lengthy discussion of what was entailed and how we would attempt to carry out such a program, the International Board unanimously consented to our proposal. Consequently, over

the next few years on a selective basis NAUI Canada will be attempting to establish an independent financial operation.

The purpose for establishing an independent financial operation is to provide us in Canada with greater flexibility to promote NAUI and NAUI programs in Canada. The border and all that it involves severely hampers our activities especially when we have to rely on speedy clearance by customs, etc. Let me make it very clear, however, that it is not our intention now, nor will it be in the future, to separate from the NAUI family. To do so would be sheer lunacy. If anything, I will work to establish closer ties. It is a great comfort to be able to call upon NAUI International for support and their expertise which is, I believe, second to none. We also have something to offer and, therefore, it is essential to maintain the closest possible ties with NAUI members wherever they be.

At the Annual Meeting, the Board announced that it had approved a new scheme for the scheduling of selected NAUI courses across the country. The purpose of this scheme is twofold. First, to ensure that all regions of Canada will have the opportunity and will, indeed, be urged to conduct NAUI courses as frequently as possible. Secondly, this scheme is designed to encourage the participation of more members in the operations of NAUI Canada. In this regard, it will assist in the training of the future leaders of NAUI Canada. If we are to be a strong, vital organization, it is essential that more people become involved in the operations.

The organization is as follows:

The Board of Directors has appointed a National Program Committee comprised of persons who will be known as National Program Chairman. Each one of these people will be responsible for the national organization of courses on a country-wide basis. The primary function of such National Program Chairman will be to assist local members and urge them to conduct various types of courses in their locale. Generally speaking, the Chairmen appointed are people who have had experience running such programs and will be able to offer valuable advice and co-ordinate the mailing of the necessary printed material required for the course. NAUI Canada Headquarters and the General Manager will lend its full support in servicing the National Program Chairman and the courses for which they have agreed to be responsible.

THE MEDICAL EDITOR'S COLUMN



Editor's Note: Dr. Charles Brown, much to the benefit of the readers of the News, has graciously accepted the invitation to become the Medical Editor. You will be amazed, as I am, at the amount of practical information on diving medicine Dr. Brown can share. Contributions relating to diving medicine will be submitted to Dr. Brown for review. NAUI's thanks to this unselfish individual who has already contributed greatly to the organization.

COMMENT ON A LETTER

by Dr. Charles Brown, Medical Editor

Janis Hyne Decker in "Seasickness, Drugs, and Diving" (NDA and NAUI News) gives us much sensible and useful information. A few points however want clarification.

Codeine is not for upset stomach (except diarrhea) and in fact often causes nausea. It contains no aspirin, though mixtures are available. It's bad before diving because it's a narcotic.

While aspirin is antipyretic for people with fever, most investigators find that ordinary doses cause no significant heat loss in people without fever. A more real hazard of aspirin is its potential for causing sour stomach, risky if you vomit at depth. The best reason not to dive after aspirin is that the condition which prompted you to take it (headache?, hangover?) imposes its own risk.

Roniacol, like its non-prescription cousin nicotinic acid, should be avoided before diving. That warming skin flush it produces not only costs you a brief, rapid body heat loss, but a milder more persistent vasodilation can extend the heat loss considerably. It is usually sold in a slow-release form likely to have just this effect. Remember, the initial cold stimulation of the skin causing vasoconstriction is what makes the skin a good insulator against heat loss.

Orinase is not an antihistamine but a drug for diabetes. Probably ornade was intended. Ornade and triaminic, however, are really combinations of antihistamine plus decongestant, intended for stuffy nose.

Hyoscines, like tranquillizers and sedatives, are effective anti-emetics, but all have effects potentially hazardous to the diver. Tigan and emetrol are safer, but their value is doubted. Antihistamines are generally considered the best compromise for effectiveness plus safety, but they do make some people drowsy. Commonly used ones are mareline, bonine, dramamine.

People show great variation in their response to medicines. If your case is stubborn you might try bucladine (antihistamine plus), or phenergan (antihistamine and mild tranquilizer), but your dives should be very conservative until you know exactly how these affect you.

Other hints for fighting mal de mer: (1) go only when feeling well; (2) acclimatize gradually to the sea with shorter, gentler rides; (3) munch occasionally on easily digested foods (some do better with empty stomach); (4) avoid inhaling exhaust fumes; (5) stay near the center of the boat to minimize motion; (6) watch things on the boat that move as you do; (7) keep your head pointed in the direction of maximum motion; (8) try to sleep; (9) seek distracting influences like wind, scenery, music, conversation, or actively doing things; (10) positive thinking — mind over body; (11) do as I do: get your tank on and get below the waves as soon as possible.

A final caution. If you're very sea sick, don't dive. If you're slightly sea sick, dive very conservatively, as you're predisposed to all sorts of dangerous ailments.

-NN-



LETTERS

Letters of interest received by NAUI Instructors, Branch Managers, Board of Directors, Headquarters and the NAUI News Editor will be presented in these columns.

NAUI GETS THANKS FROM HEART ASSOCIATION

Dear Mr. Ullrich:

We have just received a copy of our Annual Report and we are taking this opportunity of acknowledging to many of our contributors the accomplishments of our Heart Association because of generous contributors such as your organization.

The report makes reference to the fact that more than 10,000 persons were instructed in basic CPR, as well as certifying some 400 instructors. Members of your organization have been most cooperative with the Heart Association and have been a valuable asset to our CPR Committee.

Please accept the grateful appreciation of the San Diego County Heart Association for the gift of \$100 which has been used to purchase additional CPR equipment.

*Millie M. Cram, Executive Director
San Diego County Heart Association*

C. L. SMITH DID A GREAT JOB!

Dear Dennis:

THE METRIC SYSTEM IN DIVING, by C. L. Smith, NAUI 2299, was a great article for any of us who may be diving in the rest of the world. Even as a NAUI member, professional physicist, and frequent guest lecturer in diving physics, I would not have known many of the units given in the article, and would have likely felt pretty ignorant among divers using the metric units. Thanks!

Alan Budreau, NAUI 1929

Gentlemen:

We are proud to announce the enclosed student's registration for our first NAUI Certified Scuba Diver's Course at Northwestern University, Natchitoches, Louisiana. There are only two universities in the State of Louisiana that offer college accredited scuba courses.

Helping to maintain NAUI and Number 1, I am,

Sincerely, Paul Oberle, NAUI 3112

HIGH ALTITUDE BLACKOUTS

Dear Dennis:

I have just returned from the High Altitude Diving Workshop held at Lake Tahoe. During one of the lectures Dr. Stuart Mackay mentioned a problem associated with diving at altitude which wasn't associated with decompression sickness. This involves the possibility of blacking out due to an oxygen debt built up at depth by hard work which becomes irreplaceable after surfacing in the rarefied air.

Having just studied the problems associated with shallow water blackout in detail, it occurred to me that the physiological mechanisms involved in this problem would be compounded at altitude, due to the same rarefied air which causes the oxygen debt blackout with scuba divers. What this means is that snorkel diving (or breath-hold underwater swimming) would be somewhat more hazardous at altitude than at sea level, and greater vigilance would be required to preclude an accident.

*Sincerely,
John Ratliff, NAUI 2710*

LETTER OF COMMENDATION — TED JOLLEY, NAUI 1272

Gentlemen:

We would like to express our appreciation for the outstanding job done by NAUI Instructor, Ted Jolley.

Ted's enthusiasm is contagious. His competence is visible constantly and he is able to capture the confidence of each and every student immediately.

Just wanted it to go on record that the NAUI course in Scuba Diving as instructed by Ted Jolley is a very enjoyable and well taught course.

*Mr. & Mrs. J. C. Watkins
33020 - 29th S.W.
Federal Way, WA*

INSTRUCTION — A NEW APPROACH

by John Choate, NAUI 2368

The new IQC-ITC Program has has its first season of testing this year, experiencing both long sought relief from some traditional instructor certification course problems, while creating new situations which will be remedied for the 1975 IQC-ITC schedule.

Eight ITC's and 34 IQC's held this year produced hundreds of new NAUI instructors. (Total number of Instructors from all types Instructor courses Jan. thru Oct. is over 400.) These instructors were introduced to NAUI with less evaluation and more teaching aid via interaction between staff and candidates, plus group exercises promoting the assimilation of instructor abilities rather than just the evaluation of existing skills.

Previously, the majority of ICC candidates had had scuba teaching experience with other agencies or individuals. The number of these candidates has steadily declined in the last few years as NAUI continues to grow. This re-



duction was one of the main reasons for creating the new programs. The original concept was to remove all the academic and watermanship evaluation from the ICC. This was done for two reasons.

First, to eliminate the weaker candidate who probably would not have passed the old ICC due to weak academic or physical abilities. Unfortunately, this was the individual with whom the staff seemed to spend the most time trying to pull him through. Without these candidates in the week long program, the staff has more time to spend with the potentially successful candidate.

Secondly, the candidates are allowed to get the more emotionally and physically straining part of certification out of the way early, giving them more of a chance to pick up some of the fine points of teaching scuba diving.

This elimination process allows the ITC staff to work more closely with the candidates

in the area of course preparation, determination of what to teach and establishing meaningful objectives for basic scuba course subjects. Promotion of classes and sales Psychology are covered aiding those who have not been in the retail market to provide an idea of some of the typical problems encountered in those areas.

Traditional lecture topics usually covered in the ICC were replaced with group discussion and individual team exercises covering open water training, evaluation of students, teaching philosophies, testing techniques and other areas not previously covered in NAUI ICC's. The candidates work on actually developing course and lecture outlines reinforcing skills which would actually help in preparation of their first few courses.

Open water work is also diverted from the testing atmosphere to the teaching experience. Emphasis is put on handling and evaluation of students in open water exercises. Chain teaching, team teaching and solving basic students problems are stressed. This is surprisingly necessary due to the large amount of inexperience with actual classes. The open water work is the area voted the most helpful.

This emphasized the need for the change which has occurred over the last year. Hopefully the new instructors brought into the NAUI in this manner will help all of us to put more value on improved teaching methods for a safer instructional organization.

John R. Choate has been active in NAUI programs since he staffed the first NAUI-SCIP crossover. He has been the director of an advanced physiology seminar, several safety seminars, the '73 pre ICC in Houston, course manager of the '73 HOU ICC and director of the '74 IQC&ITC also in Houston. John has recently left the Ocean Corp. to work with C.J. Koenig & Son as a produce broker.

-NN-

**National
Association
of Underwater
Instructors**

THE MONTEREY INSTRUCTOR COURSES

by Jeanne Sleeper, NAUI 2648

Beginning scuba students throughout California, Hawaii, Oregon and Utah can expect to meet some pretty special NAUI Instructors when they sign up for lessons. These are the folks that were certified and staffed the Monterey NAUI Instructor Qualification and Training Courses in September 1974.



Jeanne Sleeper

Monterey staff launched into the spirit of the instructor certification courses. The staff was a collection of instructors who had the patience of Job, wisdom of Solomon, diving ability of Flipper, humor of Jack Benny and a fantastic sense of sharing, brotherhood and community.

The result for candidates was the opportunity to observe, participate, blunder and experiment in an atmosphere of "let's learn together." Drill and copy-cat modeling were kept at a minimum. Grades were pass or fail on the standard of safety, control, knowledge and skill. To fail an exercise only meant a chance to learn and grow, and not a stopping point for one performance.

Candidates came to Monterey expecting many things. What they found at the end of the week was within themselves. They knew their own strengths and weaknesses, they had formed opinions about many methods of teaching, they recognized other good instructors and they carried away a concept of what it means to be responsible for other people's lives.

Open water training, small group discussion and lots of shoulder rubbing with all staff members were the primary learning situations. Guest lecturers including Dr. Charlie Brown, Warren Glaser, Jack Daniels and Dennis Graver provided formal lecture sessions and also the basis for some lively discussion and pointed questions.

We tried an experiment in human interaction and learning. Candidates and staff concurred that it worked.

Newly certified NAUI Instructors to welcome to the organization: Ray Alsup, Owen Wells, Rob Ricker, Ed Spencer, Fred Wendell, Alex

Porter, Jack Witt, Mike Painter, Kirk Marshall, Chuck LaKamp, Jim Luttrell, Bill Gorham, Blain Roberts, Denny Koch, Holland Ja, Steve Demsky, Al Giannini, Rich Janis, Ken Hepper, Louie Myers, Bob Sellers, Joe Jones and Kerry Wise.

Staff Members: Jeanne Bear Sleeper, Bob Widmann, Mike Williams, Sharon Williams, Jeff Hammett, Tim Christian, Bill Jones, Phil Jones, Jim Odriozola, Sandor Kovacs, George Malkemus, Stu Rowe.

Part-time Staff: Bob Justice, Meg Butterfield, Jane Hogle, Bob Perrano.

Editor's Note: As with all NAUI courses, the staff at Monterey gave their all for the candidates. The thanks they deserve cannot be expressed — it comes from within — but NAUI sincerely appreciates the efforts of these members. What they give is what NAUI is . . .



The Monterey ITC Staff

ATHENS, GREECE IQC, AUGUST 24-25!

by Jim Haynes, NAUI 2115

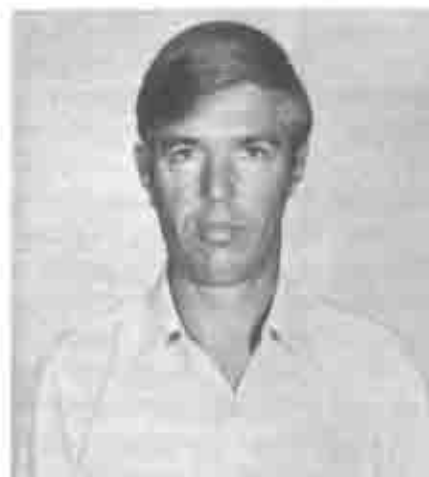
When it was first proposed last Spring that NAUI host an IQC in the Mediterranean Area at Athens, Greece, little did we know that it would be held during the middle of a war, with demonstrations, car-burnings, and men with guns adding to the excitement. When first scheduled, there were about 18-20 candidates greatly interested, including Greeks, British and Maltese divers, some of whom were instructors for local organizations. Most of the candidates were, of course US military servicemen stationed in the Greece/Turkey area.

With a lot of legwork and billeting, pool and classroom facilities were donated at no expense by local military commanders, and staff members from Germany were expected to arrive to assist. I was designated as Director, and we were well prepared — this was on July 18th.

On July 19th, everything hit the fan. War was imminent. Both Greece and Turkey declared a state of war. The IQC, naturally, was off. Most parties involved with the IQC were part of the military community. Before long, however, it calmed a bit and it looked as if the IQC could possibly go. Preparations were again made, candidates were again contacted, and NAUI notified. You all know what happened after that. An even greater emergency arose with the two parties to the political situation ready to go to war at any moment. Anti-American feelings became the thing of the streets. A fast flight out of here was our doorway to safety. There were no communications available over the commercial nets. The British Sub-Aqua Club representative located in Cyprus regretted he could not attend. Malta wanted to stay home. Naples Dive club members wanted to stay in Naples. All military flights to Athens were (and still are) cancelled. No staff members. No candidates. Then on August 20th, the course materials merrily arrived from good old Colton, CA. On August 21st, four brave candidates who live in the Athens area contacted me and wanted to know if I was going to let a war stop the IQC. Being a man of great ego (what NAUI instructor isn't), I replied that I couldn't understand just what prompted silly, anti-American

thoughts like that. So the IQC was on — four (count them) candidates, an empty pool (currently used as a water reservoir for fire), and deserted classrooms. What more did we need.

Yes we had our IQC. A good one, too. Everyone was enthused and motivated. Being so small we were able to devote a little more time to oral presentations and lesson preparations. NAUI standards were elaborated on to an extent greater than if we had had many more candidates. Not all were certified, but even those are still enthusiastic and are demanding another IQC as soon as their 60 day wait allows so they can try again. Our purpose was accomplished.



Jim Haynes

We are hoping to have another IQC over here as soon as the situation allows. We have many more who wish to take advantage of this first step towards that NAUI Ticket. I am looking for staff members. You will need a helmet, combat boots, and your own canteen in addition to your own diving gear.

Any volunteers?

Editor's Note: Jim reports in a recent letter that there are many qualified candidates in Western Europe who cannot travel to the U.S. Any NAUI Instructor in the area who wishes to conduct Qualification Courses should contact Fred Calhoun, North Atlantic Branch Manager.

-NN-

**FIRST NAUI INSTRUCTOR
QUALIFICATION COURSE**
Mexico City, Mexico
September 7 and 8, 1974

The first NAUI Instructor Qualification Course to be held in Mexico was recently completed at the YMCA in Mexico City, September 7 and 8. Tink Manry, Southwest Branch Manager, co-directed the course with Gilberto De Hoyos and Elfego Ruiz, NAUI Instructors of Mexico City. The staff also included Raul Echeverria, Jorge Almeida and Laurencia Castaneres, all NAUI Instructors. There were 28 candidates for the course and 22 successfully completed. The course was held as a joint Instructor Qualification with AMIB (Asociacion Mexicana Instructores de Buceo). The candidates were of superior quality and performed in exemplary fashion. It is the plan of NAUI Southwest Branch to have at least two additional Qualification Courses in Mexico and to have the first complete Instructor Training Course in the early Spring of 1975. The course was held entirely in the Spanish language. Considerable work was done by the staff and many of the students in getting NAUI exams, literature and other information translated for the candidates. This should be the beginning of many additional programs in our neighbor country to the South.



SPECIAL CALENDAR

- Feb. 2 NAUI Dives Maine, Contact: Joe Gallant, 41 Belmont St., Portland, ME 04104
- Feb. 7-9 Ice Diving Seminar, St. Paul, MN Contact: Fredrich Thornbough, 3124 Minnehaha Ave. South, Minneapolis, MN 55406
- Feb. 15-16 Instructor Seminar, "How to Staff and Evaluate ITC's", San Diego, CA. Contact: NAUI South Pacific Branch, 4971 Mt. Gaywas Dr., San Diego, CA 92117 Terrace, CA 92324
- Mar. 14 International Photographic Competition, Seattle, WA, Contact: NAUI North Pacific Branch, 6531 NE 198th St., Seattle, WA 98155
- Mar. 22-23 Men In The Sea Symposium, Seattle, WA. Contact: NAUI North Pacific Branch, 6531 NE 198th St., Seattle, WA 98155
- Sept. 26-28 IQ-7, Miami, FL. Contact: NAUI Headquarters, 22809 Barton Rd., Grand Terrace, CA 92324

EMPLOYMENT—

EMPLOYERS SEEKING INSTRUCTORS

St. Maarten, West Indies well-established Diving Business needs "working partner". An expanding company with diversified marine activities offers growth potential. Contact:

Box 234 - Philipsburg
St. Maarten
Netherland, Antilles

Need NAUI Instructor to act as a Skin and Scuba diving guide. Contact:

David Andrews (via Air Mail)
P.O. Box 5552
Nassau, Bahamas
(809) 323-1784

Need unmarried person to relocate immediately with combination of skills: teaching scuba, operating dive boat, guiding diving tours, maintaining salt water aquariums, collecting fish and other skills. Contact:

Underwater Research Center N.V.
Box 234 - Philipsburg
St. Maarten
Netherland, Antilles

Scuba Inc. — Contact Tom Murphy
P.O. Box 1481, Newport Beach 92663
Phone (714) 675-0555

INSTRUCTORS SEEKING POSITIONS

William Gorham	Wayne Dykstra
NAUI 3901	NAUI 3507
P.O. Box 6092	517 Westview Dr. #2
Stanford, CA 94305	Missoula, MT 59801

NAUI is a tax exempt non-profit professional organization. All proceeds are used for the operation of the Association and the promotion of safe diving. Contributions, bequests and gifts are deductible by the donor.

NAUI BOARD OF DIRECTORS

Larry Cushman
President
John Reseck, Jr.
Vice President
Lee H. Somers, Ph.D.
Secretary-Treasurer
Roy Dantron
Glen H. Egstrom, Ph.D.
Jon Hardy
Paul J. Tzimoulis

NAUI BOARD OF ADVISORS

Arthur J. Bachrach, Ph.D.
Albert R. Behrke, M.D.
George F. Bond, M.D.
Jacques Y. Cousteau
C. B. Davis
Robert Gregg, Ph.D.
Bruce W. Halstead, M.D.
Andreas B. Rehnitzer, Ph.D.
Michael J. Wagner
Glen Egstrom, Ph.D., Chairman

HEADQUARTERS

Jon Hardy
General Manager
Arthur H. Ulrich, Jr.
Director—Special Projects

Dennis Graver
Projects Manager

EDITOR/PUBLISHER DENNIS GRAVER (NAUI 1103)

NAUI NEWS is published by the National Association of Underwater Instructors and is distributed at no charge to the NAUI Membership.

Please credit reprints to author and NAUI NEWS.

PRINTED BY NAUI IN USA

National Association of Underwater Instructors

NAUI HEADQUARTERS
22809 BARTON ROAD
GRAND TERRACE (COLTON), CA 92324
(714) 783-1862



ADDRESS CORRECTION REQUESTED

BRANCH MANAGERS

NORTH PACIFIC

1. William High
6531 N.E. 198th Street
Seattle, WA 98155
206/486-2252

MID PACIFIC

2. Robert H. Widmann
816 Columbia Street
Santa Cruz, CA 95060
408/429-2951 — 427-1664

PACIFIC

3. John Gimbel
142 Paseo De La Concha
Redondo Beach, CA 90277
213/378-0955

SOUTH PACIFIC

4. C. Mark Flahan
4971 Mt. Gaywas Drive
San Diego, CA 92117
714/286-5541 — 278-6210

MID AMERICA

5. Merritt Bartlett
Box 14156
University Station
Minneapolis, MN 55414
612/236-7930

SOUTHWEST

6. Leon Manry
2120 Peckham Street
Houston, TX 77019
713/526-8957

SOUTH ATLANTIC

7. John Larsen
P.O. Box 10356
Riviera Beach, FL 33404
305/844-5291

MID ATLANTIC

8. D. Lee Kvalnes
P.O. Drawer C
Deepwater, NJ 08023
609/678-3442

NORTH ATLANTIC

9. Fred Calhoun
Box 291, Back Bay Annex
Boston, MA 02117
617/283-4933

CANADA

10. Stefan Kozak
10 Monet Avenue
Etobicoke, Ontario, Can. M9C 3N7
416/621-0783

JAPAN

11. Tetsu Taguchi
No. 17 San-Ei-Cho
Shinkuku-ku
Tokyo 160, Japan

Recycle

NON-PROFIT
ORGANIZATION

U.S. Postage

PAID

Permit No. 189
San Bernardino
CA