



## TABLE OF CONTENTS

EXCITING NEWS	1
TRIVIA CHALLENGE	1
PRODUCT HIGHLIGHT	2
DIVE SPOT	3
DID YOU KNOW?	3
UPCOMING EVENTS	4

## TRIVIA CHALLENGE

**Q:** One of our new products is called the Alpha UWCP. What does the acronym "UWCP" stand for?

The first five people to e-mail the correct answer to advertising@oceanreefgroup.com will receive a \$5 gift certificate to Starbucks! Please include your address.

Planning a trip?  
Consider diving with  
the Giant Humboldt  
Squid ... page 3

## Exciting News

### A Dive with Drive

Imagine, you're driving on the sandy streets of the Bahamas, soaking up the sun in your new convertible, and plunging straight into the sea for your first dive of the day. And all without ever getting out of the car! Frank Rinderknecht, a modern day James Bond, is doing exactly that in his new concept car - The sQuba - the worlds first submersible automobile.

This sports car not only drives like a dream, it dives like one too. At the push of a button the car dives up to 10 meters (33 feet) under the sea. "It is undoubtedly not an easy task to make a car watertight and pressure resistant enough to be maneuverable under water," says Rinderknecht. "The real challenge however was to create a submersible car that moves like a fish in water." Instead of a combustion engine, the car is powered by three electric motors—these three motors are located in the rear. One provides propulsion on land, the other two drive the screws for underwater motoring. They are supported by two powerful Seabob jet drives in the front, which 'breathe' through special rotating louvers, for opening and closing



the water intake. The rotating outlet jets were designed to be extremely light, yet twist resistant by using high-tech nano materials. The two-seater also includes a self-contained on-board oxygen system to supply the driver and passenger with fresh air for breathing.

Our friends at Rinspeed are now using our OceanREEF Full Face Masks for their underwater communication and diving needs. The car is a convertible for safety and weight reasons, leaving divers exposed to the sea. Our masks were a perfect fit for this amphibious technology. I want one.



## Product Information

### H08 Helmet

This helmet is specifically designed to be used with the Ocean REEF Neptune Space, Raptor and Predator masks. It was created to provide impact resistance during adventurous activities where head protection may be needed, such as cave, wreck or arctic diving. The GSM G-Power SL may be incorporated into the helmet, which makes it a very unique, lightweight and compact underwater communication and protective piece of equipment.

The helmet's patented design provides an ultra snug and stable fit. The lightweight streamlined design and soft foam cushion provides total comfort and freedom of movement. The lycra rash-guard sleeve prevents neck rash for maximum comfort during long sessions. The 2mm thick shatter proof plastic shell combined with a molded soft foam lining provides an ultra lightweight layer of defense. The Neptune Helmet H08 is made from the most

revolutionary high impact resistant plastics, designed to withstand years of exposure to salt water and direct sunlight.

Anyone who becomes unconscious during a dive runs a very real risk of drowning. To help reduce this risk, the H08 Helmet covers the temple area and ears. The H08 Helmet is secured by strong nylon webbing to stay on no matter what you put it through. helmet is also uniquely shaped to have a high cut shell for total peripheral vision and extends down over the temple and ears for extra protection. The H08 Helmet is also equipped with a protective carrying bag.



## Technical Information

### Why Your Neptune Mask Won't Fog

“Will my mask fog?” is one of the most common questions asked by divers unfamiliar with the Neptune System. In a conventional mask, fogging occurs when warm air exhaled from the nose into the mask builds up on the mask lens. However, the air circulation in all Neptune series masks is designed to minimize fogging.

Air flows from the second stage into the upper half of the mask. The cool air sweeps across the visor to eliminate any potential moisture, before entering the bottom half of the visor containing the oral-nasal pocket.

The silicone oral-nasal pocket, which creates a seal around the mouth and nose area, is built with two one-way valves through which the air is then inhaled. Exhaled air is directed through a valve under the oral-nasal pocket, limiting the mixing of this air with the fresh air from the regulator.

Any amount of fogging would indicate a leak in the oral-nasal mask, which should be corrected immediately to prevent CO<sub>2</sub> build-up. For this reason, we advise divers not to use de-fogging products on Neptune masks.



### Dive Sites

## Swimming with Monsters

It's not uncommon to hear people say, "I swam with dolphins in Florida," or "had a cage dive with Great Whites in Guadalupe," but you rarely hear people say "I swam with giant squid that wrapped their tentacles around my leg and tried to pull me to the depths of the sea."

Off the coast of Mexico in the Sea of Cortez, divers are now telling stories of such dives with the Giant Humboldt Squid. Mexican fishermen call the squid "the Red Devil" and tell tales of squid who pull fishermen from their boats and kill them.

If you feel so inclined to look into the eyes of a Giant Squid, you'll find several vacation packages tailored for just such an adventure. Typically, the adventure package includes everything you need. First things first, you have to go to "Squid School," as is the case with a *Shark Diver* vacation package. *Shark Diver* is an internationally known adventure company and preemi-

nent giant squid diving experts; expeditions run March through November. A course provides pre-dive and dive instructions on hazards, safety, giant squid behavior, protection and equipment orientation, and includes receiving your blue-water-tether and safe air bail-out bottle.

During your dive expedition you'll be suited in *Nep-tunic* chain-mail suits, clipped to a specially designed tether line and cast into the water. Team leaders will then locate and lure giant squid to your boat and then escort you to the blue-water safety stop. Here, you'll watch giant squid stalk prey, feed, luminesce brilliantly, and even interact with you.

Squid are known to have the largest eyes in the animal kingdom, can grow larger than 10 meters and can reach over 990 lbs. But don't let that stop your vacation plans.

[http://www.sharkdiver.com/package\\_squid.html](http://www.sharkdiver.com/package_squid.html)

### DID YOU KNOW?

#### A Brief History of Scuba

Apparently, man has been trying to keep their heads underwater hundreds of years. Divers probably began using snorkels made of hollow reeds about 100 A.D. as the first piece of diving equipment. By 1300, Persian divers were using underwater eye-goggles, made from the polished shells or tortoises. In the 16th century, barrels were used as primitive diving bells, and for the first time divers could travel underwater with more than one breath of air, but not much more than one.

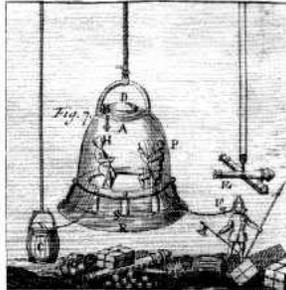
Leonardo da Vinci is also credited for dreaming up some of the first rebirthing prototypes. In 1771, British engineers invented the air pump. A hose was connected between the air pump and the diving barrel, allowing air to be pumped to the diver. In 1772, Frenchmen, Sieur Freminet invented a 'rebreathing' device that recycled the exhaled air from inside of the barrel, this was the first self-contained air device in history. Ironically, Freminet died from lack of oxygen after being in his own device for twenty minutes, woops.

Finally, it was Jacques Cousteau and Emile Gagnon who are credited with the first successful functioning design in the 1940s. The rest is history.

*Bonus Feature*  
More images from Newsletter Stories



The amphibious  
Rinspeed sQuba



Early rendition of the  
first Diving Bell



Close encounter with the  
giant Humboldt squid

*Upcoming Events*

Georgia Dive Show  
Gwinnet Center, GA  
May 17-18, 2008

[www.georgiadive.com](http://www.georgiadive.com)

Come visit our booth

Dive Travel Expo  
Tacoma, WA  
May 3-5

[www.nwdiveandtravelexpo.com/](http://www.nwdiveandtravelexpo.com/)

Come visit our booth

-NASAR Conference-  
2008 National Search  
and Rescue Conference  
Colorado Springs, CO  
May 29-31  
[www.nasar.org](http://www.nasar.org)

Come visit our booth

Long Beach  
Scuba Show  
Long Beach CA  
June 21 -22

[www.scubashow.com](http://www.scubashow.com)

Come visit us  
at booth 507

*"Once a customer always a customer"* Ocean REEF considers all our customers part of the Ocean REEF Family and we want to keep you posted on the latest news from our company by mailing or e-mailing you *Creating the Future*. To receive our newsletter, please mail us your name & address, or e-mail your information to [advertising@oceanreefgroup.com](mailto:advertising@oceanreefgroup.com).

**OCEANREEF**<sup>®</sup>  
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