

# Volume 4 - Index

## A

- Altitude diving
  - closed-circuit oxygen ..... 18-18
- Ascent rate
  - closed-circuit oxygen diving ..... 18-27
  - MK 16 ..... 17-21

## B

- Breathing bag
  - closed-circuit UBA ..... 17-3
- Breathing gas requirements
  - emergency breathing supply ..... 17-29

## C

- Canister duration
  - MK 16 ..... 17-12
  - MK 25 ..... 18-11
- Carbon dioxide
  - removal ..... 17-2
  - scrubber ..... 17-3
  - toxicity ..... 17-39, 18-6
- Carbon dioxide scrubber
  - functions ..... 17-6
- Caustic cocktail ..... 17-40, 18-8
- Checklists
  - Dive Record Sheet ..... 17-17
- Chemical injury ..... 17-40, 18-7
  - causes of ..... 17-40, 18-7
  - managing ..... 17-40, 18-8
  - symptoms of ..... 17-40, 18-7
- Closed-circuit oxygen diving
  - combat operations ..... 18-18
  - medical aspects ..... 18-1
  - personnel requirements ..... 18-20
- CNS oxygen toxicity
  - causes of ..... 18-3
  - preventing ..... 17-37
  - symptoms of ..... 17-38, 18-2
  - treating
    - convulsions ..... 17-38
    - nonconvulsive symptoms ..... 17-38
    - treating nonconvulsive symptoms ..... 18-4
- Combat swimming
  - closed-circuit oxygen ..... 18-18
  - operating limitations ..... 18-19
- Convulsions ..... 18-3
  - treating underwater ..... 18-4

## D

- Decompression
  - omitted ..... 17-35
- Decompression sickness
  - in the water ..... 17-41
- Decompression tables
  - Closed-Circuit Mixed-Gas UBA
    - Decompression Table Using 0.7 Constant Partial Pressure Oxygen in Helium ..... 17-21
  - Closed-Circuit Mixed-Gas UBA
    - Decompression Table Using 0.7 Constant Partial Pressure Oxygen in Nitrogen ..... 17-21
- Depth
  - single-depth limits definition ..... 18-16
- Depth limits
  - MK 16 ..... 17-1
  - MK 25 ..... 18-16
- Descent rate
  - closed-circuit mixed-gas diving ..... 17-19
- Dive briefing
  - closed-circuit oxygen diving ..... 18-23
- Dive Record Sheet ..... 17-17
- Diver training and qualification
  - closed-circuit mixed-gas diving ..... 17-8
  - closed-circuit oxygen diving ..... 18-20
- Diving Supervisor
  - closed-circuit mixed-gas diving brief ..... 17-17
  - closed-circuit oxygen diving brief ..... 18-23
  - closed-circuit oxygen diving check ..... 18-23

## E

- Emergency breathing supply
  - deployment procedures ..... 17-35
  - gas supply requirements ..... 17-29
- Emergency breathing system
  - MK 16 ..... 17-29
- Equipment
  - required for closed-circuit mixed-gas dives ..... 17-13
  - required for closed-circuit oxygen dives ..... 18-21
- Excursion
  - transit with excursion limits definition ..... 18-14
- Excursion time
  - transit with excursion limits definition ..... 18-14
- Explosive ordnance disposal
  - employing single, untended diver ..... 17-15
  - safety procedures ..... 17-16

## F

- Flying after diving
  - closed-circuit oxygen dives . . . . . 18-18
- Formulas
  - calculating available EBS volume . . . . . 17-30
  - MK 16 gas endurance . . . . . 17-11

## H

- Hand signals
  - closed-circuit oxygen . . . . . 18-20
- Hypercapnia . . . . . 17-39, 18-6
  - preventing . . . . . 18-7
  - symptoms of . . . . . 17-40, 18-6
  - treating . . . . . 17-40, 18-6
- Hypoxia . . . . . 17-39, 18-4
  - causes of . . . . . 17-39
  - symptoms of . . . . . 17-39, 18-5
  - treating . . . . . 17-39, 18-6
  - treating divers requiring decompression . . . 17-39

## M

- Middle ear
  - oxygen absorption syndrome . . . . . 18-8
  - symptoms . . . . . 18-8
  - treating . . . . . 18-9
- MK 16
  - emergency breathing system . . . . . 17-29
- MK 25
  - maximizing operational range . . . . . 18-19
  - operational duration . . . . . 18-11
  - purge procedure . . . . . 18-24

## O

- Off-oxygen interval
  - definition . . . . . 18-16
- Omitted decompression . . . . . 17-35
- Operational hazards
  - chemical injury . . . . . 17-40, 18-7
- Oxygen
  - deficiency . . . . . 17-39, 18-4
  - MK 16 flask endurance . . . . . 17-9
- Oxygen exposure limits
  - following mixed-gas or air dives . . . . . 18-18
  - single-depth . . . . . 18-13
  - successive oxygen dives . . . . . 18-16
  - transit with excursion . . . . . 18-13
- Oxygen supply
  - MK 25 . . . . . 18-11
- Oxygen time
  - single-depth limits definition . . . . . 18-16
  - transit with excursion limits definition . . . . 18-15

## P

- Paired marked diving . . . . . 17-16

- Postdive procedures
  - closed-circuit mixed-gas diving . . . . . 17-21
  - closed-circuit oxygen diving . . . . . 18-27
- Pre-dive procedures
  - closed-circuit oxygen diving . . . . . 18-22
  - equipment preparation . . . . . 18-23
- Pulmonary oxygen toxicity . . . . . 18-2
- Purge procedure . . . . . 18-24
  - errors . . . . . 18-25

## R

- Recirculation system
  - description . . . . . 17-2
  - maintenance . . . . . 17-3
- Recompression chamber
  - closed-circuit mixed-gas diving . . . . . 17-15

## S

- Single marked diving . . . . . 17-16
- Single-depth limits . . . . . 18-13
- Standby diver
  - closed-circuit mixed-gas dives . . . . . 17-14
- Successive oxygen dives
  - definition . . . . . 18-17
  - exposure limits . . . . . 18-16

## T

- Tended diving . . . . . 17-17
- Tinnitus . . . . . 17-38, 18-2
- Transit
  - transit with excursion limits definition . . . . . 18-14
- Transit with excursion limits . . . . . 18-13
  - definitions . . . . . 18-14
  - inadvertent excursions . . . . . 18-15
  - rules . . . . . 18-15

## U

- Underwater procedures
  - closed-circuit mixed-gas diving . . . . . 17-19
  - closed-circuit oxygen diving . . . . . 18-26

## V

- VENTIDC . . . . . 17-38, 18-2

## W

- Worksheets
  - Dive Record Sheet . . . . . 17-17
  - Dive Worksheet for Repetitive 0.7 ata
    - Constant Partial Pressure Oxygen
    - in Nitrogen Dives . . . . . 17-23