

CONTENTS

APRIL 2004 / VOLUME 49 / NUMBER 4

FOR INFORMATION, CONTACT:

**AARC Membership
or Other AARC Services**
American Association for
Respiratory Care
9425 N MacArthur Blvd, Suite 100
Irving, TX 75063-4706
(972) 243-2272 • Fax (972) 484-2720
<http://www.aarc.org>

**Therapist Registration or
Technician Certification**
National Board for
Respiratory Care
8310 Nieman Rd
Lenexa KS 66214
(913) 599-4200 • Fax (913) 541-0156
<http://www.nbrcc.org>

**Accreditation of Education
Programs**
Committee on Accreditation for
Respiratory Care
1701 W Euless Blvd, Suite 300
Euless TX 76040
(817) 283-2835 • Fax (817) 354-8519
<http://www.coarc.com>

**Grants, Scholarships,
Community Projects**
American Respiratory
Care Foundation
9425 N MacArthur Blvd, Suite 100
Irving, TX 75063-4706
(972) 243-2272 • Fax (972) 484-2720

AARC Government Affairs Office
Director of Govt Affairs
Jill Eicher MPA
1100 Duke St
Alexandria VA 22314-3514
(703) 548-8538 Fax (703) 548-8499
eicher@aarc.org

Director of State Govt Affairs
Cheryl West MHA
1650 Thatch Circle
Castle Rock, CO 80109
(303) 663-1572 Fax (303) 663-1567
west@aarc.org

**RESPIRATORY
CARE**

RESPIRATORY CARE (ISSN 0020-1324, USPS 0489-190) is published monthly by Daedalus Enterprises Inc, at 9425 N MacArthur Blvd., Suite 100, Irving, TX 75063-4706, for the American Association for Respiratory Care. One volume is published per year beginning each January. Individual subscription rates are \$89 per year in the US; \$109 in all other countries (for airmail, add \$94).

The contents of the Journal are indexed in *Index Medicus*/MEDLINE, Hospital and Health Administration Index, Cumulative Index to Nursing and Allied Health Literature, EMBASE/Excerpta Medica, and RNdex Library Edition. Abridged versions of **RESPIRATORY CARE** are also published in Italian and Japanese, with permission from Daedalus Enterprises Inc.

Periodicals postage paid at Dallas TX and at additional mailing offices. POSTMASTER: Send address changes to **RESPIRATORY CARE**, Membership Office, Daedalus Enterprises Inc, 9425 N MacArthur Blvd, Irving, TX 75063-4706

© Printed on acid-free paper.
Printed in the United States of America
Copyright © 2004 by Daedalus Enterprises Inc.

33RD RESPIRATORY CARE JOURNAL CONFERENCE

COMPUTERS IN RESPIRATORY CARE PART I

A SPECIAL ISSUE

CO-CHAIRS

Robert L Chatburn RRT-NPS FAARC
Steven B Nelson MSc RRT FAARC

CONFERENCE PROCEEDINGS

- Foreword: Computers in Respiratory Care
*by Robert L Chatburn—Cleveland, Ohio,
Steven B Nelson—Overland Park, Kansas* **360**
- Respiratory Care in the Computer Age
by Karen J Stewart—Charleston, West Virginia **361**
- Respiratory Care Management Information Systems
by Richard M Ford—San Diego, California **367**
- Computerized Clinical Decision-Support in Respiratory Care
by Reed M Gardner—Salt Lake City, Utah **378**
- Information Retrieval in Respiratory Care: Tips to Locate
What You Need to Know
by Dean R Hess—Boston, Massachusetts **389**
- Respiratory System Simulations and Modeling
by Neil R MacIntyre—Durham, North Carolina **401**
- Education, Teleconferencing, and Distance Learning in Respiratory Care
by Keith B Hopper—Marietta, Georgia **410**

BOOKS, FILMS, TAPES, & SOFTWARE

- Simulations in Biomedicine V (Arnež ZM, Brebbia CA, Solina F,
Stankovski V, editors)
reviewed by Melissa A Krueger—Seattle, Washington **424**
- ACLS Quick Review Study Guide, 2nd ed (Aehlert B);
Rapid ACLS (Pocket Guide) (Aehlert B);
Success in ACLS: Essential Skills, 3rd ed (Video plus Booklet) (Tait C)
reviewed by Amy Baernstein—Seattle, Washington **425**

CONTENTS

CONTINUED...

ALSO IN THIS ISSUE

445	AARC Membership Application
336	Abstracts from Other Journals
448	Advertisers Index & Help Lines
448	Author Index
447	Calendar of Events
439	Call for OPEN FORUM Abstracts
441	Manuscript Preparation Guide
438	Notices
432	Professional Opportunities

Bennett and Elliott's Physiology and Medicine of Diving, 5th ed (Brubakk AO, Neuman TS, editors) <i>reviewed by Michael Bennett—Randwick, Australia</i>	427
From Nutrition Support to Pharmacologic Nutrition in the ICU (Pichard C and Kudsk KA) <i>reviewed by Catherine Lee Farver—Seattle, Washington</i>	428
Drugs for the Treatment of Respiratory Diseases (Spina D, Page CP, Metzger WJ, and O'Connor BJ, editors) <i>reviewed by Gregory M Susla—Frederick, Maryland</i>	429
Physiology Secrets, 2nd ed (Raff H) <i>reviewed by Wesley M Granger—Birmingham, Alabama</i>	430

**RESPIRATORY
CARE**

A Monthly Science Journal
Established in 1956

The Official Journal of the
American Association for
Respiratory Care



**50th International
Respiratory Congress**

NEW ORLEANS

Come get a taste of New Orleans!

**PLAN NOW TO ATTEND THE "GOLD STANDARD"
OF ALL RESPIRATORY CARE MEETINGS.**

www.aarc.org

December 4 - 7, 2004

The poster for the 50th International Respiratory Congress in New Orleans features a vibrant, colorful design. At the top left is the AACRC logo. The main title '50th International Respiratory Congress' is in large, bold, black letters. Below it, the word 'NEW ORLEANS' is written in large, stylized, purple and yellow letters with a decorative border. The background includes illustrations of two Mardi Gras masks (one purple and green, one white and green), a yellow saxophone, and a red crawfish. A building with a balcony is also visible. The bottom section of the poster has a purple background with white text and a yellow background with black text.