

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

jems JOURNAL OF EMERGENCY MEDICAL SERVICES

THE 1984
ALMANAC
OF
EMERGENCY
MEDICAL
SERVICES

Almanac

James O. Page, Publisher, Advertising Manager

Keith Griffiths, Executive Editor

Bradley H. Smith, Editor

Cleve Trimble, MD, Medical Editor

Rick Miner, Senior Editor

Thom Dick, Associate Editor

Molly Hillson, Assistant Editor

Vivian Griffiths, Assistant Editor

Contributing Editors:

Mike Frank, MD, Gary Morris, Mary Newman, William Roush, MD, Sarah Helyar Smith, Gail Walraven

Maureen Maguire, Art Director

Roseanna Dear, Graphic Artist

Jems Publishing Company, Inc.

James O. Page
President

Keith Griffiths
Vice President

Jane Ann Seymour
Secretary-Treasurer

Editorial/Advertising Offices
215 South Highway 101, Suite 207
P.O. Box 1026
Solana Beach, CA 92075
619/481-1128

Jems, Journal of Emergency Medical Services, is published monthly by Jems Publishing Co., 215 South Highway 101, Suite 207, P.O. Box 1026, Solana Beach, CA 92075.

Subscription Information: Send \$15.95 for one year (12 issues), \$27.75 for two years (24 issues) or \$37.75 for three years (36 issues) to P.O. Box 27966, San Diego, CA 92128. Add \$10 per year for mailings outside the U.S.

CANADA — jems is distributed in Canada by Emergency Services Educational Association, P.O. Box 2560 Grand Forks, B.C. V0H 1H0. Financial or other discounts, services or inducements may be offered periodically to encourage subscriptions or resubscriptions.

Advertising Information: Rates are available upon request. Contact Jim Page, advertising manager at 215 South Highway 101, Suite 207, P.O. Box 1026, Solana Beach, CA 92075; 619/481-1128.

Editorial Information: Manuscripts and queries should be directed to Brad Smith, Editor, P.O. Box 1026, Solana Beach, CA 92075. Editorial guidelines are available upon request. Submitted manuscripts should be typed double-spaced and submitted in triplicate.

Copyright 1983 Jems Publishing Co., Inc. No material can be reproduced without the express permission of the publisher; ISSN 0197-2510. Controlled circulation postage paid at San Fernando, California and at additional mailing offices.

Postmaster — Return Form 3579 to jems, P.O. Box 27966, San Diego, CA 92128.

Cover design by Joel Harris

CONTENTS

JANUARY 1984 VOL. 9 NO. 1

FEATURES

Carry-in Equipment — Part 3: Oxygen/Airway Carriers 23
Thom Dick completes his evaluation of over 80 "jump kits" with this detailed look at oxygen and airway carriers — *by Thom Dick*

EMS in Durand, Michigan — A Look at NAEMT's 1983 Service of the Year 32
jems travels to the midwest to report on NAEMT's choice for #1 — the Durand-Vernon Ambulance corps — *by Jim Page*

Clinical Corner: Airway Controversies Old and New 36
Renowned EMS educator and author Ron Stewart continues his exploration of clinical issues in prehospital care — *by Ronald D. Stewart, MD*

1984 ALMANAC

1984 Salary Survey 42
Base salaries, fringe benefits and unit costs — *by Alan Jameson*

National EMS Burnout Survey 48
Preliminary results of the *jems* reader survey on causes of and solutions to burnout — *by Robin Herbison et al.*

The 600 Run Limit 52
A new study reveals that heavy workloads and light workloads contribute equally to stress — *by Jeff Mitchell, PhD*

State EMS Training Coordinators 56

1984 Calendar of Events 61

1984 Ambulance Survey 65
Results of the third annual reader survey — *Staff Report*

EMS 2004 70
Where will EMS be in 20 years? — *by Sinclair Germaine*

Information Resources 74

State of the Art in Communications Equipment 76
A detailed look at a wide variety of modern communications equipment used in EMS — *Staff Report*

Index to Articles Appearing in jems 83

DEPARTMENTS

Editorial 4
Trends in EMS

Letters 8
"Trauma Center"; Nuclear War

Inside EMS 11

Classifieds 14

Around the Nation 21
by Tom Vines

Advertiser Index 98

Interface 103
Giving the Best the Edge — *by Jack Stout*

NAEMT News 110

Discussions in Paramedicine 112
Understanding Alpha/Beta Receptors — *by Jim Dernocoeur*

The Publisher's Page 114
Reviewed, Renewed, Revived — *by Jim Page*