



James O. Page, Publisher, Advertising Manager

Keith Griffiths, Executive Editor

Bradley H. Smith, Editor

Cleve Trimble, MD, Medical Editor

Rick Minerd, Senior Editor

Thom Dick, Associate Editor

Molly Hillson, Assistant Editor

Vivian Griffiths, Assistant Editor

Contributing Editors:

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

Maureen Maguire, Art Director

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 or (24 issues)\$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.

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. VOH 1HO. 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 guidellines are available upon request. Submitted manuscripts should be typed double-spaced and submitted in triplicate.

Copyright 1984 Jems Publishing Co., Inc. No material can be reproduced without the express permission of the publisher; ISSN0197-2510. Controlled circulation postage paid at Solana Beach, California and at additional mailing offices.

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

Cover photo by Ed Kessler. Design by Joel Harris.

CONTENTS

MARCH 1984 Vol. 9 No. 3

FEATURES

The Hamily Detlant

Unruly patients present legal risks if rescuers decide not to treat such patients. They also present a potential for physical harm to EMTs and paramedics. Approaches to disturbed and unruly patients are explored — by Sandra Parlin CPR Goes to Work	
Index to Articles Appearing In jems	
DEFAITIMEN	
Editorial	Tricks of the Trade
Jems Almanac; Tackle boxes are less expensive; Holiday depression syndrome; EMS honeymoon	Interface
Inside EMS	User's guide to microcomputer buzzwords; Datamension's 3-D spreadsheet; New leak-sealing bags; New low-flow oxygen regulator; New defibrillator
Current Research19 Prehospital analgesia; Predicting death in cardiac arrest; Manual ventilation; Cardiac pacing — by Erich Daub	Advertiser Index
Paramedic Puzzler21 — by Gail Walraven Around the Nation22 Bethesda-Chevy Chase and the District of Columbia sign agreement; Response times in New York City; — by Tom Vines	The Last Word