

VOLUME 56, NUMBER 3

SEPTEMBER 1988

**INTERNATIONAL  
JOURNAL OF LEPROSY**  
**And Other Mycobacterial Diseases**

Official Organ of the  
INTERNATIONAL LEPROSY ASSOCIATION  
(Société Internationale de la Lèpre)  
(Asociación Internacional contra la Lepra)



**Special Grantors and Sustaining Members  
Listed in Contents**

# INTERNATIONAL JOURNAL OF LEPROSY and Other Mycobacterial Diseases

Official Organ of the International Leprosy Association

*President:* Prof. M. F. Lechat, Ecole de Santé Publique-U.C.L.,  
Epid. 30.34, Clos Chapelle aux Champs 30,  
1200 Bruxelles, Belgium

*Secretary:* Dr. R. H. Thangaraj, Salur,  
Vizianagaram District,  
Andhra Pradesh 532591, India

*Treasurer:* Dr. W. F. Ross, One Broadway,  
Elmwood Park, New Jersey 07407, U.S.A.

## EDITORIAL OFFICE

Gillis W. Long Hansen's Disease Center  
Carville, Louisiana 70721, U.S.A.

*Editor:* ROBERT C. HASTINGS, Carville, Louisiana

*Assistant Editor:* DEE D. GOODMAN, Carville, Louisiana

## BUSINESS AND CIRCULATION OFFICE

*Executive Officer:* W. FELTON ROSS  
One Broadway  
Elmwood Park, New Jersey 07407, U.S.A.

## BOARD OF DIRECTORS

Dr. Michel F. Lechat (President, ILA), Chairman  
Dr. Patrick J. Brennan  
Dr. Wayne M. Meyers  
Dr. W. Felton Ross (Treasurer, ILA)  
Dr. R. H. Thangaraj (Secretary, ILA)

## CONTRIBUTING EDITORS

*Argentina:* Dr. J. E. Cardama  
(Buenos Aires)

*Australia:* Dr. J. C. Hargrave (Darwin)

*Brazil:* Dr. L. M. Bechelli (São Paulo)

*France & Fr. Terr.:* Dr. D. Wallach  
(Paris)

*India (North):* Dr. L. K. Bhutani  
(New Delhi)

*India (South):* Dr. M. Christian  
(Karigiri)

*Israel:* Dr. L. Levy (Jerusalem)

*Japan:* Dr. M. Abe (Tokyo)

*Malaysia & SE Asia:* Dr. J. H. S.  
Pettit (Kuala Lumpur)

*Mexico:* Dr. A. Saúl (Mexico, D.F.)

*Netherlands:* Dr. D. L. Leiker (Amsterdam)

*People's Republic of China:*

Dr. Ye Gan-yun (Taizhou)

*Philippines:* Dr. R. M. Abalos (Cebu City)

*Spain:* Dr. J. Terencio de las Aguas (Fontilles)

*U.K.:* Dr. R. J. W. Rees (London)

*U.K.:* Dr. M. F. R. Waters (London)

*U.S.A.:* Dr. P. W. Brand (Seattle)

*U.S.A.:* Dr. Thomas H. Rea  
(Los Angeles)

*U.S.S.R.:* Dr. A. A. Juscenko (Astrakhan)

*Venezuela:* Dr. J. Convit (Caracas)

*West Africa:* Dr. M. Nebout (Bamako)

This JOURNAL is indexed in CURRENT CONTENTS/LIFE SCIENCES, BIOLOGICAL ABSTRACTS,  
CHEMICAL ABSTRACTS, EXCERPTA MEDICA/SECTION 51 LEPROSY, TROPICAL DISEASES  
BULLETIN, and INDEX MEDICUS-MEDLINE DATA BASE. Microform available from University  
Microfilms International, Ann Arbor, Michigan 48106, U.S.A. or London WC1R 4EJ, U.K.

The INTERNATIONAL JOURNAL OF LEPROSY (ISSN 0148-916X) is published quarterly for \$60.00 per  
year for members and \$80.00 per year for subscribers by Allen Press, Inc., 1041 New Hampshire St.,  
Lawrence, Kansas 66044, U.S.A. Second-class postage paid at Elmwood Park, New Jersey and ad-  
ditional mailing office. POSTMASTER: Send address changes to INTERNATIONAL JOURNAL OF LEP-  
ROSY, Business and Circulation Office, One Broadway, Elmwood Park, NJ 07407, U.S.A.