

# INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER

## BOARD OF EDITORS

E. A. BRUN, 8 place du Commerce, Paris 15ème, France

\*A. J. EDE, Mechanical Engineering Dept., University of Aston, Gosta Green, Birmingham 4, England

CARL GAZLEY, Jr., Dept. of Geophysics and Astronomy, The RAND Corporation,  
1700 Main Street, Santa Monica, California 90406, U.S.A.

J. GOSSE (Associate Editor), C.N.A.M., 292, rue Saint-Martin, 75141—Paris Cedex 03, France

U. GRIGULL, Technische Universität, Arcisstrasse 21, München, Germany

E. HAHNE (Associate Editor), Universität Stuttgart, 7 Stuttgart 1, Seidenstr. 36, Germany

J. P. HARTNETT, Energy Engineering Dept., University of Illinois, Box 4348, Chicago, Illinois 60680, U.S.A.

O. G. MARTYNENKO, Heat and Mass Transfer Institute, Byelorussian Academy of Sciences, 25 Podlesnaya, Minsk,  
B.S.S.R., U.S.S.R.

W. J. MINKOWYCZ (Associate Editor), Energy Engineering Dept.,  
University of Illinois, Box 4348, Chicago, Illinois 60680, U.S.A.

Y. MORI, Faculty of Engineering, Tokyo Institute of Technology, Meguro-ku, Tokyo, Japan

D. B. SPALDING, Mechanical Engineering Dept., Imperial College of Science & Technology,  
Exhibition Road, London S.W.7, England

## HONORARY EDITORIAL ADVISORY BOARD

*Chairman:* E. R. G. ECKERT, *University of Minnesota, Minneapolis, Minnesota 55455, U.S.A.*

*Past-chairman:* Sir OWEN SAUNDERS, F.R.S., *Imperial College, London, England*

L. H. BACK, *Pasadena*

J. M. BEÉR, *Sheffield*

F. BOŠNJAKOVIĆ, *Stuttgart*

A. F. CHUDNOVSKY, *Leningrad*

Z. F. CHUKHANOV, *Moscow*

J. W. CIBOROWSKI, *Warsaw*

J. A. CLARK, *Ann Arbor*

A. CRAYA, *Grenoble*

I. CURIEVICI, *Iasi, Romania*

D. A. DE VRIES, *Eindhoven*

R. G. DEISSLER, *Cleveland, Ohio*

J. J. D. DOMINGOS, *Lisbon*

R. V. DUNKLE, *Melbourne*

D. K. EDWARDS, *Los Angeles*

R. EICHHORN, *Lexington*

H. W. EMMONS,  
*Cambridge, Massachusetts*

A. ENDRENYI, *Budapest*

A. FORTIER, *Orsay*

B. GEBHART, *New York*

H. GLASER, *Stuttgart*

R. J. GOLDSTEIN, *Minneapolis*

R. GOULARD, *Lafayette, Indiana*

P. GRASSMAN, *Zürich*

G. F. HEWITT, *Harwell, England*

T. W. HOFFMAN,  
*Hamilton, Ontario*

BUSUKE HUDIMOTO, *Kyoto*

T. F. IRVINE, JR.,  
*Stony Brook, New York*

Y. KATTO, *Tokyo*

S. P. KEZIOS, *Atlanta, Georgia*

D. T. KOKOREV, *Moscow*

S. S. KUTATELADZE, *Novosibirsk*

P. M. C. LACEY, *Exeter, England*

E. J. LE FEVRE, *London*

J. MATHIEU, *Ecully*

M. D. MIKHAIROV, *Sofia*

YU. A. MIKHAIROV, *Riga*

TOKURO MIZUSHINA, *Kyoto*

L. G. NAPOLITANO, *Naples*

K. NISHIKAWA, *Hakozaki, Japan*

T. D. PATTEN, *Edinburgh*

KURT PETERS, *Vienna*

A. A. POMERANTSEV, *Moscow*

A. RAMACHANDRAN,  
*Madras*

J. F. RICHARDSON,  
*Swansea, Wales*

P. D. RICHARDSON, *Providence*

WARREN M. ROHSENOW,  
*Cambridge, Massachusetts*

G. F. C. ROGERS, *Bristol*

R. H. SABERSKY,  
*Pasadena, California*

A. F. SAROFIM, *Cambridge,  
Massachusetts*

T. SATO, *Kyoto, Japan*

JIRI SCHNELLER,  
*Bechovice, Czechoslovakia*

R. A. SEBAN,  
*Berkeley, California*

MARIO SILVESTRI, *Milan*

E. M. SPARROW,  
*Minneapolis, Minnesota*

M. A. STYRIKOVICH, *Moscow*

Y. S. TOULOUKIAN,  
*West Lafayette, Indiana*

J. W. WESTWATER,  
*Urbana, Illinois*

S. S. ZABRODSKY, *Minsk*

Z. ZARIC, *Beograd, Yugoslavia*

N. ZUBER, *Washington, D.C.*

## Annual Subscription Rates 1976

For libraries, research establishments, and all other multiple-reader institutions: US \$155. All subscription enquiries should be addressed to: The Subscription Fulfillment Manager, Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England.

## Specially Reduced Rates to Individuals

In the interests of maximizing the dissemination of the research results published in this important international journal we have established a two-tier price structure. An individual, whose institution takes out a library subscription may purchase a second or additional subscription for personal use at the much reduced rate of US \$30 per annum.

## Microform Subscriptions and Back Issues

Current subscriptions and back files on microfilm as well as back issues in the regular editions of all previously published volumes are available from our sole distributors, Microforms International Marketing Corporation Inc. (MIMC) at the most convenient address:  
Fairview Park, Elmsford,  
New York 10523, U.S.A.

Cowper House, Olney,

Bucks, England

## Published monthly

Copyright Pergamon Press Ltd. © 1976

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means: electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the publishers.

# PERGAMON PRESS

Headington Hill Hall,  
Oxford OX3 0BW, England

Maxwell House, Fairview Park,  
Elmsford, New York 10523, U.S.A.