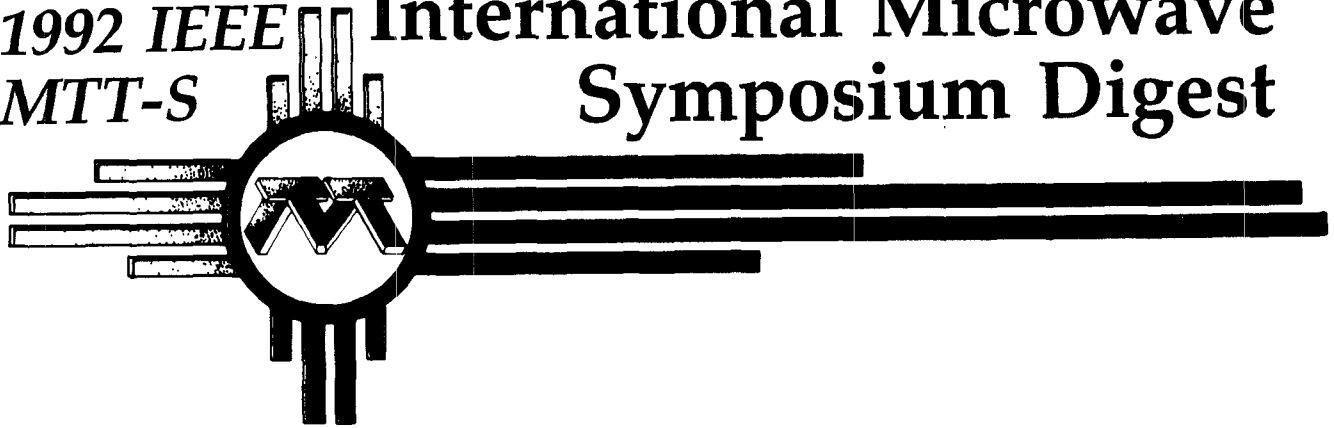


**1992 IEEE  
MTT-S**

**International Microwave  
Symposium Digest**



**Volume II**

**June 1–5, 1992  
Albuquerque Convention Center  
Albuquerque, New Mexico**

**Don W. Reid  
DIGEST EDITOR**

*Responsibility for the contents of the papers published in this Digest rests upon the authors and not upon IEEE or any of its members.*

***Additional copies of this Digest are available from:***

The Institute of Electrical and Electronic Engineers, Inc.  
Publication Order Department  
445 Hoes Lane  
Piscataway, NJ 08854

IEEE Catalog Number 92CH3141-9  
ISBN 0-7803-0611-2 (paper)  
ISBN 0-7803-0613-9 (microfiche)  
ISBN 0-7803-0612-0 (case)  
Library of Congress Catalog Card Number 77-645125  
ISSN Number 0149-645X

***IEEE MTT-S International Microwave Symposium***

IEEE MTT-S International Microwave Symposium Digest 1977  
New York, Institute of Electrical and Electronics Engineers

v. III. 28 cm. annual.

Continues: IEEE MTT-S International Microwave Symposium Digest of technical papers, ISSN 0149-6298.

Key title: IEEE MTT-S International Microwave Symposium Digest, ISSN 0149-645X

1. Microwaves—Congresses 2. Microwave devices—Congresses. I. Institute of Electrical and Electronics Engineers. II. IEEE MTT-S International Microwave Symposium Digest.

TK7876.I184	621.381'3	77-645125
Library of Congress	78	MARC-S

***Permission to Reprint or Copy***

*Abstracting is permitted with credit to the sources. Libraries are permitted to photocopy beyond the limits of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through the Copyright Clearance Center; 27 Congress St., Salem, MA 01970. Instructors are permitted to photocopy isolated articles for noncommercial classroom use without fee. For other copying, reprint, or republication permission, write to Director, Publishing Services: IEEE; 345 East 47th Street, New York, NY 10017, USA. All rights reserved.*

*Copyright © 1992 by The Institute of Electrical and Electronics Engineers, Inc.*

Front Cover: *Hot air balloon, photograph by Jerry Hausner.*

Back Cover: *Top left: Santuario de Chimayo photograph by D.B. Friedrichs; Top right: VLA photograph, Courtesy NRAO/AUI, photo by Geoffrey R. Chester; Bottom: Taos Pueblo photograph by Jerry Hausner.*