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This index covers all items—papers, correspondence, reviews, etc.—that appeared in this periodical during 1979, and items from prior years that were commented upon or corrected in 1979. The index is divided into an Author Index and a Subject Index, both arranged alphabetically.

The *Author Index* contains the primary entry for each item; this entry is listed under the name of the first author and includes coauthor names, title, location of the item, and notice of corrections and comments if any. Cross-references are given from each coauthor name to the name of the corresponding first author. The location of the item is specified by the journal name (abbreviated), year, month, inclusive pages, and microfiche code. [The microfiche code, given in parentheses following the inclusive pages, consists of four characters to be interpreted as follows: the first character identifies the microfiche number within the set of fiches for the issue; the second character identifies the row in which the first frame of the particular item is located; and the last two characters designate the position of that frame within the row.]

The *Subject Index* contains several entries for each item, each consisting of a subject heading, modifying phrase(s), first author's name, and location of the item. For information on coauthors, title, comments and corrections if any, etc., it is necessary to refer to the Author Index. Some generic subject headings are used in this index in addition to the usual technical headings, e.g., *Books*, (books reviewed in this periodical), *Bibliographies* (both papers that are bibliographies and any other papers which contain more than 50 references), *Conferences* (technical meetings a substantial number of whose abstracts or papers have appeared in this periodical), and *Special Issues* (issues of this periodical devoted primarily to a specific subject). The Subject Index includes subject cross-references as required by the subject matter.

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Electromagnetic propagation, absorbing media; cf. Electromagnetic radiation effects

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Waveguides; cf. Circular waveguides; Coaxial waveguides; Dielectric waveguides; Ferrite-loaded waveguides; Helical waveguides; Loaded waveguides; Microstrip; Millimeter-wave waveguides; Optical waveguides; Parallel-plate waveguides; Ridge waveguides; Stripline; Submillimeter-wave waveguides; Transmission lines; Underground electromagnetic communication

Waveguides

shielded ring lines; dispersion relations and attenuation of fundamental dipolar mode; *Fray, Claude*; *T-MTT* v27 n4 Apr 79 334-340 (1D02)

Wedges

electromagnetic fields in biological tissues; induced fields up to 100 times larger than average fields due to microscopic wedge-shaped boundaries; *Nilsson, B. Olle*; *T-MTT* v27 n6 Jun 79 616-618 (1E06)

Wire communication; cf. Underground electromagnetic communication

Y

YIG films

periodically corrugated film; magnetic wave interactions; *Seshadri, S. R.*; *T-MTT* v27 n2 Feb 79 199-204 (2A12)

YIG tuners

microwave FET oscillators; designing broadband *X*-band oscillators; *Trew, Robert J.*; *T-MTT* v27 n1 Jan 79 9-14 (1A10)