



Library Information Update

FOR YOUR INFORMATION

The feature "Access: Recent Articles on Microcomputing" which regularly appears in *IEEE Micro*, expanded in the August 1981 issue to include articles from non-IEEE as well as IEEE publications. Some non-IEEE publications represented include *Byte*, *Computer Design*, *Dr. Dobbs Journal*, *Elektor UK*, and so on.

"Research Reports" is a new feature appearing in the *IEEE Control Systems Magazine* for the first time with the September 1981 issue. It is meant to provide readers with firsthand information on the research interests of sponsoring agencies in the U.S., Canada, etc. The September issue contains reports from the Mathematics Division of the U.S. Army Research Office (ARO), the U.S. Air Force Office of Scientific Research, and the National Science Foundation—Small Business Innovation, Research (NSF/SBIR).

A new monthly section featuring patent abstracts appears in the August 1981 issue of *IEEE Transactions on Microwave Theory and Techniques* (Vol. MTT-29, No. 8). Complete copies of the patents can be ordered from the U.S. Patent and Trademark Office, Box 9, Washington, DC 20231.

The Integrated Services Digital Network Symposium (ISDN 81) was held January 7-10, 1981 in Tarpon Springs, FL. It was not a workshop, officially, but was held according to workshop rules. This meant that no conference record was prepared. A summary of ISDN 81 appears in the 1981 *International Conference on Communications Conference Record* (81CH1648-5; Session 17), as noted in its listing in this issue of the Bulletin under Conf. Publications. There are also other papers on ISDN in Session 19 from the same Conf. Record. The keynote speech "The ISDN—A Challenge and Opportunity for the 80's" appears in *IEEE Communications Magazine*, Vol. 19, No. 2, March 1981, pp. 16-19, and a report from ISDN 81 appears in *IEEE Communications Magazine*, Vol. 19, No. 4, July 1981, pp. 41-43.

ISSUES OF INTEREST

Biological Influences of Power Frequency Electric Fields—A Tutorial Review From a Physical and Experimental Viewpoint; *Proceedings of the IEEE*, Vol. 69, No. 9, Sept. 1981, pp. 1092-1120. \$10.00. JH53603. **THEME:** The results of two comprehensive literature reviews on the biological effects of electric fields from EHV transmission lines are summarized in this paper. The sections included in the tutorial are: introduction; physical and procedural aspects; summary of survey publications; biological critique; concluding observations; appendix—two case histories; and a list of 145 references.

Computer Requirements for Electrical and Mechanical Engineering Curricula, held Jan. 15-16, 1981. Workshop Report in *IEEE Micro*, Vol. 1, No. 3, Aug. 1981. \$12.00. JH56242. **THEME:** In response to a concern over the lack of consistency in teaching computer-related subjects for undergraduate engineering students, this workshop was organized. Its objective was to reach a consensus on the computer content of undergraduate curricula in electrical and mechanical engineering. This report, the final document, was the result of unifying the drafts produced by the working groups of the workshop. Recommendations are given and some remaining issues still disputed are listed.

Knowing How to Blow the Whistle; *IEEE Spectrum*, Vol. 18, No. 9, Sept. 1981, pp. 56-61. \$8.00. JH53488. **THEME:** *IEEE Spectrum* researched the literature and asked the experts what they learned from their experiences with whistle blowing to present advice for engineers who might find themselves in such ethical situations.

The Microkids and the Hardy Boys; *IEEE Spectrum*, Vol. 18, No. 9, Sept. 1981, pp. 48-55. \$8.00. JH53488. **THEME:** This article consists of excerpts from the new book by Tracy Kidder (the author of this article), "The Soul of a New Machine" (Atlantic-Little, Brown), which has been reviewed in the *New York Times* and elsewhere. The book tells the story of the creation of a new superminicomputer at Data General Corporation by a team of young computer engineers.

Nuclear Medical Imaging; *IEEE Spectrum*, Vol. 18, No. 7, July 1981, pp. 33-37. \$8.00. JH53462. **THEME:** The combination of nuclear detection and computer reconstruction techniques in imaging systems is providing sharper diagnostic images and better biochemical-activity analysis.

Nuclear Weapons Monitoring; *IEEE Spectrum*, Vol. 18, No. 7, July 1981, pp. 48-55. \$8.00. JH53462. **THEME:** The possibility that even peaceful nuclear development may encourage the proliferation of nuclear weapons is discussed along with how this problem could be minimized.

AVAILABLE FROM IEEE...

IEEE Computer Society 1981 Publications Catalog. Available from: IEEE Computer Society, 1109 Spring St., Suite 201, Dept. IPB1081, Silver Spring, Maryland 20910.

Over 300 titles including conference publications, tutorials, serials, archives, standards, and other documents published by the IEEE Computer Society are described in this catalog. For the first time, a "Master Listing of Publications" is included that is arranged alphabetically by subject/title and displays, at a glance, order numbers, number of pages, availability, titles, year published, and prices for the publications in the catalog.

IEEE Press Books Spring 1981 Catalog. Available from: IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854.

Sixty-three volumes available from IEEE Press are listed with their contents. There is a subject index to the books for easier access.

LIBRARY OF CONGRESS CARD NUMBERS

LCN Assigned: Microprocessors in Military and Industrial Systems Workshop (80CH1579-2), announced in the October 1980 issue of the Bulletin, has been assigned LCN 80-132245.

LCN Assigned: The 11th [1979] Convention of Electrical and Electronics Engineers in Israel (79CH1566-9), listed in the October 1980 issue of the Bulletin, has been assigned LCN 80-129466.

LCN Assigned: The 3rd IEEE Position Location and Navigation Symposium (LANS 80), listed in the January 1981 issue of the Bulletin, has been cataloged by the Library of Congress and assigned a card number. The two previous Symposiums in the series, that were listed in the Bulletin and in the Index to IEEE Publications without LCNs, have also been cataloged.

1st 1976 IEEE 1976 Position Location and Navigation Symposium (PLANS). 76CH1138-7. LCN 76-151728.

2nd 1978 IEEE PLANS 1978 Position Location and Navigation Symposium. Record. 78CH1414-2. LCN 79-103971.

3rd 1980 IEEE PLANS 80 Position Location and Navigation Symposium. Record. 80CH1597-4. LCN 81-141404.

NOTE: The main entry for all three is: IEEE Position Location and Navigation Symposium.

CONFERENCES PUBLISHED REGULARLY IN IEEE PERIODICALS

Some of the IEEE sponsored or cosponsored conferences do not publish records or proceedings as monographs, but publish their papers in IEEE Transactions/Journals/Magazines. Since they are not cataloged as a book by the Library of Congress, it is easy to lose track of a series especially when it may, at various times, be published by different societies and appear in different journals, books, or both. In this section, we will list the meetings that *regularly* have their papers published in IEEE periodicals. Later we may add a list of meetings that have only appeared once or are discontinued in order to provide more complete information on conferences published in IEEE periodicals. We will try to provide information on the meeting from its inception to the most recent copy in hand. After that, it is up to you to add to the record regularly. This information will appear: year; number in series; title appearing in the journal; exact dates; place; publication. We would like to thank Ms. Mary Miller who is the Catalog Librarian for the Honeywell Systems and Research Center for suggesting this new section. We hope that its information will help to answer some questions you may have had about meetings that publish in IEEE periodicals.

IEEE INTERNATIONAL SEMICONDUCTOR LASER CONFERENCE

- 1967 1st IEEE Semiconductor Laser Conference; Nov. 29-Dec. 1, 1967 in Las Vegas, NV.
IEEE Journal of Quantum Electronics, Vol. QE-4, No. 4, April 1968.
- 1969 2nd IEEE Semiconductor Laser Conference; Dec. 1-3, 1969 in Mexico City, Mexico.
IEEE Journal of Quantum Electronics, Vol. QE-6, No. 6, June 1970.
- 1972 3rd IEEE Semiconductor Laser Conference; May 15-17, 1972 in Boston, MA.
IEEE Journal of Quantum Electronics, Vol. QE-9, No. 2, Pt. 2, Feb. 1973.
- 1974 4th IEEE International Semiconductor Laser Conference; Nov. 18-20, 1974 in Atlanta, GA.
IEEE Journal of Quantum Electronics, Vol. QE-11, No. 7, Pt. 2, July 1975.
- 1976 5th IEEE International Semiconductor Laser Conference; Sept. 6-8, 1976 in Nemunosato, Japan.
IEEE Journal of Quantum Electronics, Vol. QE-13, No. 8, August 1977.
- 1978 6th IEEE International Semiconductor Laser Conference; Oct. 30-Nov. 1, 1978 in San Francisco, CA.
IEEE Journal of Quantum Electronics, Vol. QE-15, No. 8, August 1979, \$10.00. JH49148.(1)
- 1980 7th International Semiconductor Laser Conference (also referred to as the IEEE International Semiconductor Laser Conference and as the IEEE International Semiconductor Injection Laser Conference); Sept. 8-10, 1980 in Brighton, England.
IEEE Journal of Quantum Electronics, Vol. QE-17, No. 5, May 1981, \$10.00. JH56341.(1)

APPLIED SUPERCONDUCTIVITY CONFERENCE

The Proceedings from the Applied Superconductivity Conference have appeared regularly in the *IEEE Transactions on Magnetism* since 1974. This biennial conference series was not always published by IEEE. These are the dates, place, sponsors, and publications of the conference series since its inception in 1966:

- 1966 1st National Superconductivity Information Meeting; Nov 9-11, 1966 at the Brookhaven National Laboratory in Upton, NY.
Sponsor: Brookhaven National Laboratory
Abstracts of papers still available from NTIS (2), published June 1967, 52 pp. BNL-50038, \$8.00.
- 1967 2nd Applied Superconductivity Conference; Nov. 6-8, 1967 in Austin, TX. Sponsors: US Atomic Energy Commission (AEC), Univ. of Texas, and Joint Services Electronics Program.
1967 Applied Superconductivity Conference Abstracts, ©1967 by William H. Hartwig, University of Texas at Austin.
Papers and Abstracts in *Journal of Applied Physics* (3), Vol. 39, No. 6, May 1968, pp. 2489-2686.

- 1968 3rd Applied Superconductivity Conference; Oct. 28-30, 1968 in Gatlinburg, TN. Sponsors: APS, Oak Ridge National Laboratory, US AEC, and IEEE MAG.
Papers and Abstracts in *Journal of Applied Physics*, Vol. 4, No. 5, April 1969, pp. 1993-2163.
- 1970 4th Applied Superconductivity Conference; June 15-17, 1970, in Boulder, CO. Sponsors: NBS, ONR, APS, IEEE MAG, and Univ. of Colorado.
Papers and Abstracts in *Journal of Applied Physics*, Vol. 42, No. 1, Jan. 1971, pp. 1-189.
- 1972 5th Applied Superconductivity Conference; May 1-3, 1972 in Annapolis, MD. Sponsors: NSF, NASA, IEEE, AIP, US Dept. of the Navy.
Proceedings, ©1972 by IEEE, IEEE Pub. No. 72CH0682-5, 747 pp.
- 1974 6th Applied Superconductivity Conference; Sept. 30-Oct. 2, 1974 in Argonne, IL and Batavia, IL. Sponsors: US AEC, IEEE, National Accelerator Laboratory (Batavia, IL), NSF, and EPRI.
Proceedings published in *IEEE Transactions on Magnetism*, Vol. MAG-11, No. 2, March 1975, 808 pp.
- 1976 7th Applied Superconductivity Conference; Aug. 17-20, 1976 in Stanford, CA. Sponsors: APS, US Energy Research and Development Administration, Stanford Linear Accelerator Center, Fermi National Accelerator Laboratory, IEEE, ONR, Stanford Univ., and Westinghouse Research Laboratory.
Proceedings published in *IEEE Transactions on Magnetism*, Vol. MAG-13, No. 1, Jan. 1977, 897 pp.
- 1978 8th Applied Superconductivity Conference; Sept. 25-28, 1978 in Pittsburgh, PA. Sponsors: APS, IEEE, US DoE, Stanford Linear Accelerator Center, Fermi National Accelerator Laboratory, NBS, Univ. of Wisconsin, Westinghouse Research Laboratory, and Eastman Kodak Co.
Proceedings published in *IEEE Transactions on Magnetism*, Vol. MAG-15, No. 1, Jan. 1979, 874 pp., \$35.00. JH48652. (1)
- 1980 9th Applied Superconductivity Conference; Sept. 29-Oct. 2, 1980 in Santa Fe, NM. Sponsors: APS, IEEE, US DoE, NBS, Stanford Linear Accelerator Center, Westinghouse Electric Corp., IBM, Teledyne Wah Chang Albany Corp., and Los Alamos National Laboratory.
Proceedings published in *IEEE Transactions on Magnetism*, Vol. MAG-17, No. 1, Jan. 1981, 1112 pp., \$35.00. JH 55061. (1)

1. IEEE Service Center, Publications Sales Dept., 445 Hoes Lane, Piscataway, NJ 08854.
2. NTIS [National Technical Information Service], Sales Dept., Port Royal Rd., Springfield, VA 22161.
3. Published by the American Institute of Physics.

APOLOGY

We have received several requests for Vol. 10, No. 3 of the Supplement and, in anticipation of more requests, an explanation is in order. For all the subscribers who have wondered why they never received Vol. 10, No. 3 of the Supplement, there is a simple explanation: it never existed.