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**COVER 3**

National Cancer Institute's Stop Smoking Kit



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Margaret M. Heckler, Secretary



PUBLIC HEALTH SERVICE  
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Assistant Secretary for Health

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## Conclusion Unchanged: Smoking Is the Cause of Sex Longevity Differences

Dr. Sowder is correct that male-female longevity differences (MFLD) have increased over the last 60 years and that smoking habits of men and women have become more similar, particularly over the last 20 years. However, this does not mean that smoking is not responsible for the MFLD among adults. One must expect a significant lag between the time male and female smoking habits come together and the time their longevities coincide. This lag occurs because men have many more smoking years in their histories than women do, and because mortality rates are higher for former smokers than for lifetime nonsmokers. Much of the decrease in smoking among males in this country has occurred since 1964. It will take 30 to 50 years before men and women have about the same number of smoking years in their histories. At that time we predict there will be no longevity difference between male and female adults, provided traumatic deaths are ignored.

Dr. Sowder is also correct that females enjoy a "natural" mortality advantage over males at ages under 4 years. This advantage, which is believed to stem from genetic or hormonal differences, may not persist into adulthood, however. In our study, smoking habits account for all the MFLD above age 30, if traumatic deaths are ignored. The "natural" female advantage seems to have disappeared before age 30.

Our conclusion remains unchanged—the overwhelming cause of MFLD among adults is the devastating effect of smoking on health.

*G.H. Miller, PhD*  
*Department of Mathematics and*  
*Computer Science*  
*Edinboro University of Pennsylvania*  
*Edinboro, Pa.*



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tion and reduction in mortalities and economic loss during any catastrophic event.

Entry submitted by: University of Washington School of Nursing. Ms. Frankel's address: 3130 Portage Bay Place, East, Seattle, Wash. 98102, or P.O. Box 85863, Seattle, Wash. 98145-1863. Ms. Frankel's proposal has been presented at the NCCEM (National Coordinating Council on Emergency Management in the State of Washington) Region 10 Conference. Ms. Frankel is presently working for the Department of Emergency Services in Olympia, Wash., in Phase 2 of this proposal.

## Interactive Computer-Based Instruction in Health Care Education

JEFF MALYON

This paper presents and discusses the idea of using microcomputers to assist in the teaching of personal health care to elementary and secondary level students. The importance of challenge-motivation in the learning process is addressed and related to computer-based instruction. A specific format is sug-

gested with respect to the topic of dentistry.

Entry submitted by: University of Washington School of Dentistry. Mr. Malyon's address: 1224 170th Ave., NE, Bellevue, Wash. 98008.

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Marian Priest Tebben  
Executive Editor

gram, sponsored by the Florida Department of Health and the March of Dimes Birth Defects Foundation. The program

prevents prematurity through an assessment of high-risk pregnant women.

The competition for 1985 awards will

be announced through national members of the Healthy Mothers, Healthy Babies Coalition next June.

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## EDUCATION NOTES

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**Minnesota's Workers' Right-to-Know Law Seminars.** The Midwest Center for Occupational Health and Safety and the Minnesota Association of Commerce and Industry are cosponsoring seminars on Minnesota's Workers' Right-to-Know Law. Seminars will be held at the Earle Brown Continuing Education Center, University of Minnesota at St. Paul, on December 3, 1984, and January 10, February 7, March 14, and April 16, 1985.

The seminars are designed to outline the basic elements of the Minnesota Work-

ers' Right-to-Know Law, describe rules for enforcement, and formulate a plan to train workers at the worksite. Practical aspects of implementation that have been developed by different types of companies will be emphasized.

The programs are geared toward persons who are responsible for working with the Workers' Right-to-Know Law in Minnesota or for beginning training programs required for compliance with it.

Continuing education units (CEUs) and nursing CEUs will be awarded. The semi-

nars have been approved by the American Board of Industrial Health for maintenance of certification points.

Tuition is \$70 for the 1-day program and \$35 for half a day.

*For further information, write or call Regina Hoffman or Ruth K. McIntyre, Midwest Center for Occupational Health and Safety, St. Paul-Ramsey Medical Center, 640 Jackson St., St. Paul, Minn. 55101 (612: 221-3992).*

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## PUBLICATIONS

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### FEDERAL

**U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402.** Orders should be accompanied by check or money order and give title and GPO stock No.

Management Operations of the National Cancer Institute that Influence the Governance of Science. Edited by Vincent T. De Vita, Jr. and Louis M. Carrese, NCI monograph 64, DHHS publication No. (NIH) 84-2651, May 1984, 139 pages, \$9 in United States and \$11.25 elsewhere. GPO stock No. 017-042-00175-7.

Use of Small Fish Species in Carcinogenicity Testing: Proceedings of a Symposium held at Lister Hill Center, Bethesda, Md., Dec. 8-10, 1981. NCI monograph 65, DHHS publication No. (NIH) 84-2653, May 1984, 409 pages, \$16 in United States and \$20 elsewhere. GPO stock No. 017-042-00173-1.

The National Ambulatory Medical Care Complement Survey: United States, 1980. National Center for Health Statistics, Vital and Health Statistics, series 13, No. 77, 1984, 46 pages, \$2.25. GPO stock No. 017-022-00840-8.

Patterns of Ambulatory Care in Obstetrics and Gynecology: the National Ambulatory Medical Care Survey. United States, January 1980-December 1981. National Center for Health Statistics, Vital and Health Statistics, series 13, No. 76,

1984, 62 pages, \$2.50. GPO stock No. 017-022-00834-3.

Trends in Nursing and Related Care Homes and Hospitals: United States, Selected Years 1969-80. National Center for Health Statistics, Vital and Health Statistics, series 14, No. 30, 1984, 60 pages, \$2.75. GPO stock No. 017-022-00837-8.

### NON-FEDERAL

The Common Secret: Sexual Abuse of Children and Adolescents. By Ruth S. Kempe and C. Henry Kempe, 1984, 284 pages, \$15.95 (cloth) or \$7.95 (paper). W.H. Freeman and Company, 41 Madison Ave., New York, N.Y. 10010.

New Trends for Instructing Deaf People-'84. 1984, 48 pages, free. Rochester Institute of Technology, National Technical Institute for the Deaf, Public Information Office, Dept. 684, 1 Lomb Memorial Dr., P.O. Box 9887, Rochester, N.Y. 14623.

Who Will Mind the Babies? 1984, 18 pages, single copies free. National Center for Clinical Infant Programs, 733 15th St., NW, Suite 912, Washington, D.C. 20005.

Diabetes. 1984, 12 pages, free of charge, Joslin Diabetes Center. Write: Diabetes, Box J, Boston, Mass. 02215.

Disability Practice Manual. 1984, 230 pages, \$24.95 (nonprofit organizations and associations) or \$29.95 (all others) plus \$2 handling and postage. Legal Counsel for the Elderly, P.O. Box 19269-K, Washington, D.C. 20036.

Health Physics and Radiological Health Handbook. 1984, 460 pages \$36. Nucleon Lectern Associates, Inc., 3414 First Ave., Suite 7, P.O. Box 430, Olney, Md. 20832.

The Effects of Nuclear War. 1984, 283 pages, \$45. Gale Research Co., Book Tower, Detroit, Mich. 48226.

Health Groups in Washington: A Directory. Government Relations Handbook. 1984, 60 pages, \$5 (council members) and \$7 (nonmembers). National Health Council, 70 West 40th St., New York, N.Y. 10018.

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**Healthcare Financial Management Association, 1900 Spring Rd., Suite 500, Oak Brook, Ill. 60521.**

The Financing of Hospital Capital. By John S. Cook and Elisabeth E. Cook, 1984, 23 pages, \$4.

Prospective Reimbursement for Hospital Capital Costs. By Bruce R. Neumann and Joyce V. Kelly, 1984, \$4.

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**Institute for Health Planning**, 702 North Blackhawk Ave., Madison, Wis. 53705.

Bed Reduction Strategies. By Carol C. Oviatt, 1984, 55 pages, \$10.

Criteria and Standards Sourcebook. 1984, looseleaf, \$15.

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**World Health Organization (WHO)**, Publications Centre, U.S.A., 49 Sheridan Ave., Albany, N.Y. 12210.

The Risk Approach in Health Care, with Special Reference to Maternal and Child Health, including Family Planning. *Public Health Papers No. 76*. By E.M. Backett, A.M. Davies, and A. Petros Barvazian, 1984, 113 pages, 11 Swiss francs.

National Health Systems and Their Reorientation towards Health for All. Guidance for Policy-making. *Public Health Papers No. 77*. By Bogdan M. Kleczkowski, Milton I. Roemer, and Albert Van Der Werff, 1984, 120 pages, 11 Swiss francs.

The Uses of Health Systems Research. *Public Health Papers No. 78*. By Carl E. Taylor, 1984, 50 pages, 7 Swiss francs.

WHO Emergency Health Kit: Standard Drugs and Clinic Equipment for 10,000 Persons for 3 Months. 1984, 58 pages, 5 Swiss francs (ISBN 92 4 1541174 1). Also available in Arabic, French, and Spanish.

Guidelines For Drinking-Water Quality. Vol. 1, Recommendations. 1984, 130 pages, 17 Swiss francs (ISBN 92 4 154168 7). Arabic, French, and Spanish editions in preparation.

Family Planning Legislation. Report of a Survey. *EURO Reports and Studies 85*, 1983, 86 pages, 8 Swiss francs (ISBN 92 890 1251 X).

Molecular Biological and Monoclonal Antibody Techniques. Report on a WHO Meeting. *EURO Reports and Studies 88*, 1983, 5 Swiss francs (ISBN 92 890 1254 4).

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Vol. 32: Polynuclear Aromatic Compounds, Pt. 1. Chemical, Environmental, and Experimental Data. *International Agency for Research on Cancer*, 1983, 80 Swiss francs (ISBN 92 832 1232 0—softbound; 92 832 1532 X—hard).

Guidelines on Studies in Environmental Epidemiology. *Environmental Health Criteria 27*. 1983, 350 pages, 26 Swiss francs (ISBN 92 4 154087 7).

Acrylonitrile. *Environmental Health Criteria 28*. 1983, 125 pages, 12 Swiss francs (ISBN 92 4 154088 5).

2,4-Dichlorophenoxyacetic acid (2,4-D). *Environmental Health Criteria 29*. 1984, 151 pages, 14 Swiss francs (ISBN 92 4 154089 3).

Evaluation of Exposure to Airborne Particles in the Work Environment. *WHO Offset Publication No. 80*. 1984, 75 pages, 9 Swiss francs (ISBN 92 4 170080 7).

Guidelines for Investigating Alcohol Problems and Developing Appropriate Responses. By Irving Rootman and Joy Moser, *WHO Offset Publication No. 81*. 1984, 120 pages, 12 Swiss francs (ISBN 92 4 170081 5).

1984 Catalogue of Publications, 1972–1983 Inclusive. *Regional Office for Europe*, 1984, 58 pages.

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**Pan American Health Organization**, Pan American Sanitary Bureau. *Regional Office of the World Health Organization*, 525 23rd St., NW, Washington, D.C. 20037.

Prevention and Control of Genetic Diseases and Congenital Defects. *Scientific publication No. 460*. 1984, 26 pages, \$4 U.S. (ISBN 92 75 11460 9).

Women, Health and Development in the Americas: an Annotated Bibliography. *Scientific publication No. 464*. 1984, 106 pages, \$7 U.S. (ISBN 92 75 11464).

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## Key to Classification of Subject Index

a	Original article
abs	Abstract
br	Brief report
e	Editorial
ltr	Letter

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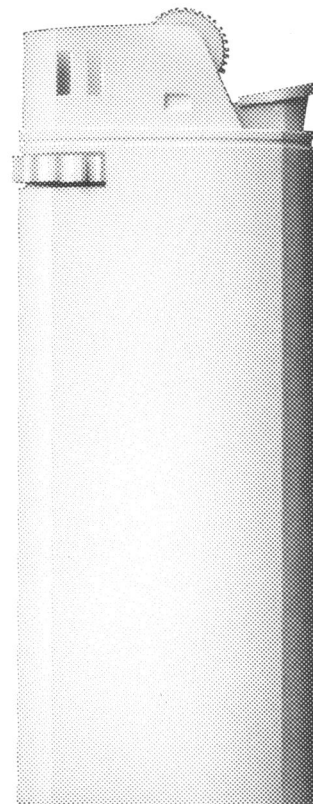
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