

GENERAL continued

Self-inflicted gunshot wounds among Alaska Natives	72
<i>Brian L. Kost-Grant</i>	
A study of underreporting of Down's syndrome on birth certificates in an Ohio county, 1970-78	78
<i>Michael S. Barg and Carl A. Huether</i>	
Relationship of consumers' perceptions of drugs to drug use	85
<i>Joyce L. Grahn</i>	

DEPARTMENTS

PREVENTION BRIEFS

NHTSA promotes use of safety belts, <i>Marilena Amoni</i> — Navy launches health and physical fitness program — Lead poisoning threat to 1 in 25 preschoolers — Indian Health Services reaches immunization goal — Standards for packag- ing non-prescription drugs — More adults controlling hypertension, survey shows, <i>Alice Haywood</i>	50-52
--	-------

PROGRAMS, PRACTICES, PEOPLE

Through continuing education school nurses learn how to care for disabled children, <i>Ann Smith</i> — An Atlas of Mortality from Selected Diseases published by National Cancer Institute, <i>Linda Anderson</i> — Asia-Pacific Basin health symposium, March 7-9, 1983 — U.S. cancer mortality 1950-77 — 19th national conference on records and statistics — 15 States awarded contracts to place NHSC personnel in manpower shortage areas, <i>Bernardine Moore</i> — New BRH publication gives overview of medical ultra-sound — NIA makes first teaching nursing home awards — NIMH offers biological tests to the severely depressed referred by physicians, <i>Jules Asher</i> — Hispanic health and nutrition examination survey — Compendium of selected educational statistics for some health occupations — U.S. death rates show decline in 1970s — AMA drug information program for patients — Acute illnesses and injuries cause average of 9.9 days of restricted activity in 1980	91-98
--	-------

EDUCATION NOTES

Continuing education courses in occupational health and safety — Training courses of the Centers for Disease Control — Course for entire field of industrial hygiene — Health conference on reproduction — Health communications graduate internships	98-102
--	--------

LETTER TO THE EDITOR

ASTHO endorsement of nutrition report published in this issue, <i>George K. Degnon</i> . . .	2
--	---

PUBLICATIONS

Federal	102
Non-Federal	103

COVER 3

Basketball star helps in antismoking campaign

PHOTO CREDITS Page 41 (electron micrograph), *K.R. Porter and V.G. Fonte, University of Colorado at Boulder*; page 42 (electron micrograph), *Jean-Paul Revel, California Institute of Technology*; page 43 (micrograph), *Mario Cappecchi, University of Utah*; page 45 (electron micrograph), *David M. Phillips, Rockefeller University*; pages 46 and 48 (right), *National Institutes of Health*; page 48 (left), *LaVerne Dutton*; page 49, *Luke Muller*; page 95, *National Center for Health Statistics*; cover 3, *UPI*.



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AND HUMAN SERVICES
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Acute Illnesses and Injuries Cause Average of 9.9 Days of Restricted Activity in 1980

According to the National Health Interview Survey (NHIS), an estimated 484.2 million acute illnesses and injuries occurred in 1980 among the civilian noninstitutionalized population of the United States, resulting in an average of 9.9 days of restricted activity per person. The NHIS is a continuous nationwide sample survey that provides information on the health of the nation. Personal interviews utilizing a questionnaire were used to elicit information from the respondents.

Acute illnesses, as defined in the report on the survey, are conditions that have lasted less than 3 months and have involved either medical attention or restricted activity. Respiratory conditions, including influenza, had the highest reported incidence (116.2 per 100 persons) and accounted for a higher rate of restricted-activity days (432.3 per 100 persons) in 1980 than in 1979.

The estimated number of persons injured in 1980 totaled 68 million, a rate of 31.2 persons injured per 100 population. The highest proportion of persons injured (39.2) was in the 6-16-year age group.

The report on the survey provides detailed tables on the incidence of acute conditions and the disability as-

sociated with them, persons injured and associated disability, disability days for acute and chronic conditions, limitation of activity due to chronic conditions, hospitalization, dental visits, quarterly acute condition estimates, and the population used in computing annual rates. These tables are limited to age and sex population categories.

Current Estimates From the National Health Interview Survey: United States, 1980. Vital and Health Statistics, Series 10, No. 139. NCHS, DHHS Publication No. (PHS) 82-1567. U. S. Government Printing Office, Washington, D.C. GPO Stock No. 017-022-00770-3. Price \$4.75.

EDUCATION NOTES

Continuing education courses in occupational health and safety. The table shows the continuing education courses in occupational safety and health that the Midwest Center for Occupational Health and Safety is offering March through September 1983. Courses will be added through-

out the year. Specialized courses can also be designed for groups, including companies, Federal agencies, or professional societies. All courses will be held in St. Paul, Minn.; the fall Occupational Health and Safety Institute is scheduled to be held also in Minneapolis, Minn.

The Midwest Center for Occupational Health and Safety, an educational resource center made up of a consortium of regional academic institutions, is sponsored by the National Institute for Occupational Safety and Health. For further information about its courses, contact Ruth K.

Occupational Health and Safety Continuing Education Program Schedule, March-September 1983

Dates	Course No. and title	Content	Tuition
Third Tuesday ¹ monthly Mar. 7-10	3. Occupational Health Grand Rounds	Case study approach to clinical problems in occupational health.	\$ 0
Mar. 19	9. Occupational Health Nursing: Basic Theory and Update and Certification Review	Review of basic principles, theories, legislation, and standards of practice; preparation for OHN certification examination.	(²)
Apr. 11-15	10. Fourth Annual Update: Occupational and Environmental Pulmonary Diseases	Specific examples of industrially related lung diseases in the Midwest; recognition and methods for control.	(²)
Apr. 20	11. Comprehensive Industrial Hygiene Review Course	Review of the field and preparation for ABIH core and comprehensive examinations.	\$500
May 4-5	12. Workers' Compensation: Examining the System	How the system operates, loss prevention/cost control, recordkeeping, preparation for expert testimony.	\$100
May 10	13. Recognition of Accident Potential in the Workplace Due to Human Factors (NIOSH 512)	Methods for recognizing human, psychological and ergonomic factors contributing to accidents; control measures.	\$200
Sept. 12-23 (dates tentative)	14. Management Briefing: A Look at Comprehensive Health Services for Business and Industry	Industrial health care costs, problem identification, components of an occupational health program; resources.	\$100
	15. Fall Occupational Health and Safety Institute	Basic and advanced courses in core areas of medicine, nursing, industrial hygiene, safety, toxicology and epidemiology; interdisciplinary seminars and field trips also planned.	(²)

¹ Course runs October through June.

² To be announced.

McIntyre, Director, Continuing Education, Midwest Center for Occupational Health and Safety, 640 Jackson St., St. Paul, Minn. 55101 or telephone 612: 221-3992.

Training Courses of the Centers for Disease Control. The CDC provides leadership and direction to programs designed to improve the health of the people of the United States by preventing or controlling diseases, improving laboratory performance, assuring safe and healthful working conditions, and responding to health emergencies.

The training services of CDC exist primarily to satisfy the needs of State and local health departments. After this obligation has been fulfilled, services are made available to other Federal agencies, international agencies,

private industry and universities, other agencies and organizations, and private individuals.

Application procedures. Applications for courses can be obtained from specific Centers and Program Offices. Applications may also be available from State health departments, and from the Director, Division of Preventive Health Services, in the HHS (Health and Human Services) Regional Offices.

Course credit. The Centers for Disease Control is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education (CMEs) for physicians. CMEs for Category I are awarded on the basis of 1 hour of credit per hour of instruction.

CDC is also a member of the Council on the Continuing Education Unit and awards continuing education units (CEUs) for satisfactory completion of courses. CEUs are awarded on the basis of 1 CEU per 10 hours of instruction. Several professional associations in the laboratory sciences have independently accredited CDC laboratory courses for CEUs.

Courses available. The table shows the CDC training courses (a) for which application must be made before specified dates in the period July 1-December 31, 1983, or (b) when there is no closing date, those for which the course dates fall within this period. Each course is listed under its CDC sponsor. All courses are held in Atlanta, Ga., unless otherwise noted.

CDC calendar of training courses, July 1-December 31, 1983

<i>Title and number</i>	<i>1983 course dates</i>	<i>Application deadline</i>
Laboratory Improvement Program Office, Laboratory Training and Consultation Division (telephone 404: 329-3837 or FTS 236-3837)		
<i>Bacteriology</i>		
Laboratory Methods in Anaerobic Bacteriology (8370-C)	Oct. 24-Nov. 11	Aug. 29, 1983
Principles and Bacterial applications of Fluorescent Antibody Techniques (8440-C)	Nov. 28-Dec. 12	Oct. 3, 1983
Principles and Laboratory Applications of Antimicrobial Chemotherapy (8333-C)	Aug. 29-Sept. 2	July 5, 1983
Laboratory Methods in Special Medical Bacteriology (8390-C)	Sept. 12-23	July 18, 1983
<i>Immunology</i>		
Isotopic and Nonisotopic Immunoassays (8432-C)	Nov. 14-18	Sept. 19, 1983
Principles and Techniques for Enzyme Immunoassay (9418-C)	Nov. 28-Dec. 1	Oct. 3, 1983
Identification of Pathogenic Fungal Isolates by Immunodiffusion (8175-C)	Dec. 5-9	Oct. 10, 1983
Principles and Techniques for Radioimmunoassay (9436-C)	Oct. 17-21	Aug. 22, 1983
Principles of Complement Fixation (9420-C)	Sept. 26-30	Aug. 8, 1983
<i>Laboratory Safety</i>		
Laboratory Safety Management (9008-C)	Sept. 13-15	July 18, 1983
Radiation Safety in the Laboratory (9007-C)	Sept. 16	July 18, 1983
<i>Laboratory Training Methods</i>		
Developing and Evaluating Short-Term Laboratory Training Courses (8775-C)	Oct. 11-13	Aug. 30, 1983
<i>Mycology</i>		
Review of Dermatological Mycology for Dermatologists (8108-C)	Sept. 6-7 Sept. 8-9	July 11, 1983 July 11, 1983
<i>Venereal Diseases</i>		
Microhemagglutination Assay Methods for Detecting Antibodies to Syphilis (4660-C)	Oct. 17-19	Aug. 22, 1983
Fluorescent Antibody Methods in the Diagnosis of Syphilis (4650-C)	Sept. 26-Oct. 17	Aug. 1, 1983
Laboratory Methods for Identifying <i>Neisseria gonorrhoeae</i> (4620-C)	Sept. 7-9	July 11, 1983

continued on next page

CDC calendar of training courses, July 1–December 31, 1983—*continued*

<i>Title and number</i>	<i>1983 course dates</i>	<i>Application deadline</i>
Laboratory Improvement Program Office, Laboratory Training and Consultation Division (telephone 404: 329-3837 or FTS 236-3837)		
Laboratory Methods for Detecting Sexually Transmitted Diseases (4625-C)	Sept. 12-14	July 18, 1983
Darkfield Microscopy for Identifying <i>Treponema pallidum</i> (4950-C)	Sept. 15-16	July 18, 1983
Current Laboratory Methods for Detecting Syphilis (4540-C)	Sept. 19-23	July 25, 1983
<i>Virology</i>		
Basic Laboratory Methods in Virology (8200-C)	Oct. 24–Nov. 4	Aug. 29, 1983
Immunofluorescence Methods in Virology (8231-C)	Dec. 12-16	Oct. 17, 1983
Laboratory Diagnosis of <i>Chlamydia trachomatis</i> Infections (8238-C)	Sept. 19-23	July 25, 1983
Laboratory Methods for Diagnosing Respiratory Virus Infections (8240-C)	Sept. 12-16	July 18, 1983
Center for Environmental Health (telephone 404: 464-6641)		
Urban Rat Control	Upon request (field and headquarters).	None
Center for Infectious Diseases (telephone 404: 452-4055)		
Control of Mosquito-borne Diseases (2310-L)	Sept. 26-30	July 29, 1983
Center for Prevention Services (telephone 404: 329-3771)		
Advanced Venereal Disease Management Seminar (006-E)	Upon request.	None
Sexually Transmitted Disease Clinic Administrator/Manager Seminar (0142) 30 CMEs	Sept. 26-30	None
Sexually Transmitted Disease Clinician Training—Comprehensive (0149) 80 CMEs	Chicago:	
	July 18-29	None
	Aug. 15-26	None
	Sept. 26–Oct. 7	None
	Cincinnati:	
	July 25–Aug. 5	None
	Sept. 12-24	None
	Nov. 28–Dec. 9	None
	Dallas:	
	July 11-22	None
	Sept. 12-23	None
	Nov. 7-18	None
	Los Angeles:	
	July 11-22	None
	Oct. 31–Nov. 11	None
	Nashville:	
Sexually Transmitted Disease Clinician Training—Intensive (0154) 40 CMEs	July 11-22	None
	Sept. 26–Oct. 7	None
	San Juan:	
	Nov. 7-18	None
	Seattle:	
	Sept. 12-23	None
	Baltimore:	
	Sept. 12-16	None
	Oct. 17-21	None
	Los Angeles:	
Sexually Transmitted Disease Part-Time Clinician Training—Intensive (0154) 25 CMEs	Aug. 15-19	None
	Nashville:	
	Aug. 22-24	None
	Dec. 5-7	None
	San Juan:	

CDC calendar of training courses, July 1–December 31, 1983—*continued*

<i>Title and number</i>	<i>1983 course dates</i>	<i>Application deadline</i>
Laboratory Improvement Program Office, Laboratory Training and Consultation Division (telephone 404: 329-3837 or FTS 236-3837)		
Sexually Transmitted Disease Clinician Training—Advanced (0165) 35 CMEs	Sept. 19–23	None
	Chicago:	
	Sept. 12–16	None
	Oct. 24–28	None
	Dec. 12–16	None
	Cincinnati:	
	Oct. 24–28	None
	Dallas:	
	Oct. 17–21	None
	Nashville:	
Sexually Transmitted Disease Education: Diagnosis, Planning and Evaluation (0144)	Oct. 17–21	None
	San Juan:	
	Oct. 3–6	None
	Seattle:	
	Oct. 17–21	None
	Nov. 14–18	None
	Sept. 6–8	None
	Baltimore:	
	Nov. 17–18	None
	Dec. 15–16	None
Sexually Transmitted Disease Update for Clinicians (7008–D) 16 CMEs	Chicago:	
	July 7–8	None
	Nov. 17–18	None
	Dallas:	
	Dec. 2–3	None
	Los Angeles:	
	Sept. 16–17	None
	San Juan:	
	July 11–12	None
	Dec. 5–6	None
Sexually Transmitted Disease Update for Public Health Advisors (7008–D)	Nashville:	
	Aug. 3–5	None
	Sept. 12–16	None
	Dec. 5–9	None
	Upon request.	None
	Scheduled as needed in Atlanta, Chicago, Dallas, Los Angeles, and New York	None
	Upon request.	None
Supervisory Venereal Disease Seminar (0472)		
Venereal Disease Counseling/Interviewing (4310–D)		
Venereal Disease Epidemiology I–II: Introduction to Case- finding and Case Management (4683–D)		
Venereal Disease Epidemiology III: Advanced Interviewing Seminars (4351–D)		
Center for Professional Development and Training (telephone 404: 262-6665)		
Applied Epidemiology (4440–G) 4.0 CEUs	Sept. 7–16	None
Surveillance, Prevention and Control of Nosocomial Infections 1200–G (200+ bed Hospitals) 5.0 CEUs	To be announced (1983)	None
Surveillance, Prevention and Control of Nosocomial Infections in Small Hospitals (less than 200 beds) 1200–G, Part II 2.4 CEUs	To be announced (1983)	None
Procedures to Investigate and Control Foodborne Illness (3130–G)	Upon request.	None

NOTE: CME—Continuing Medical Education.

Course for entire field of industrial hygiene. The University of Utah Rocky Mountain Center for Occupational and Environmental Health (RMOCEH), sponsored by the National Institute of Occupational Safety and Health (NIOSH), is offering a 5-day comprehensive review of the entire field of industrial hygiene, including a component on preparation techniques of studying and test-taking.

The Rocky Mountain Comprehensive Review for Industrial Hygiene course will be held March 14-18, 1983, and August 1-5, 1983, in Salt Lake City.

The course includes topics on Air Pollution, Calibration, Chemicals, Chemistry, Cold Stress, Ergonomics, Fibers, Gases, Heat Stress, Illumination, Ionizing Radiation, Metals, Noise, Nonionizing Radiation, Occupational Medicine, Particulates, Personal Protective Equipment, Pesticides, Safety, Sampling Methods, Solid Wastes, Solvents, Toxicology, Vapors, Ventilation, Vibration, Water Pollution, and Workers Compensation. The registration fee is \$600.

For further information and registration, contact RMOCEH, Katharine C. Blossch, Director, Continuing Education, University of Utah, Bldg. 512, Salt Lake City, Utah 84112 or telephone 801: 581-5710.

Health conference on reproduction. The Rocky Mountain Center for Occupational and Environmental Health (RMOCEH), a National Institute of

Occupational Safety and Health resource center at the University of Utah, is sponsoring its 5th Annual RMOCEH health conference. Called "Reproduction: The New Frontier in Occupational and Environmental Health Research," the conference will be held April 5-8, 1983, in Park City, Utah.

Topics will include Reproductive Epidemiology, Female Reproduction, Male Reproduction, Cytogenetics, and Realities of Monitoring an Occupational Setting for Reproductive Problems from the Scientific, Industrial, Labor, and Social Viewpoints.

For further information, contact RMOCEH, Katharine C. Blossch, Director, Continuing Education, University of Utah, Bldg. 512, Salt Lake City, Utah 84112 or telephone 801: 581-5710.

Health communications graduate internships. The National Cancer Institute (NCI), Office of Cancer Communications, is accepting applications from graduate students in journalism, health education, health services, social marketing, library and information science, social sciences, and biological or physical sciences, for 6-month internships in health communications and related health program planning.

Through the internship program, NCI offers work experience in developing information programs and disseminating information about cancer to the public, other cancer research organizations, and health agencies

across the nation. The interns will work with professional staff, including scientists, writers, and health educators.

Depending upon the applicant's capability and preference and NCI's needs, interns are placed in one of several areas—science writing, public inquiries, health communications projects, information science, or health planning.

Applicants must be nominated by their graduate school dean or director and have at least a B average in graduate school. For first semester graduate students, a B average in undergraduate work is required. Academic credit must be earned from the school for work done in the internship. Only those students who will receive their degrees subsequent to completion of the internship are eligible.

Interns are paid approximately \$8,000 for the 6-month period. They are eligible for prorated sick leave and annual leave, but not for medical or life insurance or other fringe benefits. Students should make appropriate arrangements for medical care coverage.

Internships are offered twice a year. The application deadline for the July 1983 session is March 31, 1983. For further information, contact your dean, or E. Joseph Bangiolo, Internship Director, Office of Cancer Communications, Bldg. 31, Rm. 10A-18, National Cancer Institute, 9000 Rockville Pike, Bethesda, Md. 20205 or telephone 301: 496-6576.

PUBLICATIONS

FEDERAL

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

A Method of Imputing Length of Gestation on Birth Certificates. Vital and Health Statistics, Series 2, No. 93. DHHS Publication No. (PHS) 82-1367. \$2.75. GPO stock No. 017-022-00793-2.

Dental Visits Volume and Interval Since Last Visit: United States, 1978 and 1979. Vital and Health Statistics, Series 10, No. 138. DHHS Publication No. (PHS) 82-1566. \$4.25. GPO stock No. 017-022-00790-8.

Utilization of Short-Stay Hospitals: Annual Summary for the United States, 1980. Vital and Health Statistics, Series 13, No. 64. DHHS Publication No. (PHS) 82-1725. \$4.50. GPO stock No. 017-022-00788-6.

Where to Write for Vital Records. DHHS Publication No. (PHS) 82-1142. \$3.25. GPO stock No. 017-022-00794-1.

National Technical Information Service (NTIS), 5285 Port Royal Rd., Springfield, Va. 22161. Full payment must accompany orders, which should be identified by title and PB number.

Report of State and Local Radiological Health Programs, Fiscal Year 1980. DHHS Publication No. (FDA)

82-8034. June 1982. Order No. PB 82-250028. \$7.50; microfiche \$4.

Thirteenth Annual Conference on Radiation Control—Problems, Trends, and Issues: The Need for Redefinition. DHHS Publication No. (FDA) 82-8054. March 1982. Order No. PB 82-237298. \$22.50; microfiche \$4.

High-yield Criteria for Panoramic Radiography. DHHS Publication No. (FDA) 82-8186. June 1982. 37 pages. Order No. PB 82-229543. \$7.50; microfiche \$4.

Workshop Manual for Radionuclide Handling and Radiopharmaceutical Quality Assurance. DHHS Publication No. (FDA) 82-8191. July 1982. Order No. PB 83-105569. \$10; microfiche \$4.50.

Health Care Financing Administration, ORD Publications, Rm. 2F1, Oak Meadows Bldg., 6325 Security Blvd., Baltimore, Md. 21207.

Medicare: Use of Home Health Services, 1978. By Herbert A. Silverman. DHHS Publication No. (HCFA) 03138. August 1982. 24 pages.

National Annual Medicaid Statistics: Fiscal Years 1973 through 1979. By Donald N. Muse. DHHS Publication No. (HCFA) 03133. August 1982. 24 pages.

Medicare Summary: Use and Reimbursement by Person, 1976-1978. By Bennett Hirsch, Herbert A. Silverman, and Allen Dobson. DHHS Publication No. (HCFA) 03137. August 1982. 177 pages.

Medicare: Persons Enrolled in the Health Insurance Program, 1978-1979. By Kathryn D. Barrett. DHHS Publication No. (HCFA) 03142. August 1982. 144 pages.

Research and Demonstration in Health Care Financing 1980-1981. DHHS Publication No. (HCFA) 03144. 85 pages.

Eighth Report of the Director, National Heart, Lung, and Blood Institute. DHHS Publication No. (NIH) 82-2103. Public Inquiries and Reports Branch, Box 8, NHLBI, Bldg. 31, Rm. 4A21, Bethesda, Md. 20205.

NON-FEDERAL

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

Health Planning in the United States. 1982. 24 pages. \$3.50.

An Economic Fable. 1982. 5 pages. \$3.

Prentice-Hall, Inc., Englewood Cliffs, N.J. 07632.

When to Say No to Surgery. By Robert G. Schneider. 1982. 208 pages. \$10.95.

The Crisis Prevention Handbook. By Brent Q. Hafen and Brenda Peterson. 1982. 166 pages. \$5.95 (ISBN 0-13-193755-3).

J. B. Lippincott Co., East Washington Square, P.O. Box 1430, Philadelphia, Pa. 19105.

Immunization in Clinical Practice. Edited by Vincent A. Fulginiti. 1982. 192 pages. \$22.

Gastrointestinal Imaging in Pediatrics. Edited by Edmund A. Fraken, Jr. 1982. 784 pages. \$75.

Manual of Pediatric Respiratory Care Procedures. By Diane E. Blodgett. 1982. 256 pages. paperback, \$11.75.

Infection in Children. Edited by Ralph J. Wedgwood, Starkey D. Davis, G. George Ray, and Vincent C. Kelley. 1982. 1,600 pages. \$95.

National Council for International Health (NCIH), 2121 Virginia Ave., NW., Washington, D.C. 20037.

Pharmaceuticals and Developing Countries: A Dialogue for Constructive Action. 1982. 64 pages. NCIH members \$5.50; nonmembers \$6.50.

Approaches to Integrated Programs: Health, Family Planning and Development. 1982. 42 pages. \$1.95.

The Training and Support of Primary Health Care Workers. 1981. 336 pages. NCIH members \$7.50; nonmembers \$9.

New Developments in Tropical Medicine. 1982. 100 pages. NCIH members \$6.50; nonmembers \$8.

Guide to U.S. Government Agencies Involved in International Health. 1982. 34 pages; NCIH members \$4; nonmembers \$5.50.

Water Supply and Sanitation in Rural Development. Free single copies. \$2 for handling.

Guide to U.S.-Based Agencies in Water and Sanitation Projects in Developing Countries. NCIH members \$4.50; nonmembers \$6 plus \$2 for handling.

Streams of Idealism and Health Care Innovation: An Assessment of Service Learning and Community Mobilization. By Richard A. Couto. 1982. \$18.95. Teachers College, Columbia University, 1234 Amsterdam Ave., New York, N.Y. 10027.

Private Crisis, Public Cost: Policy Perspective on Teenage Childbearing. By Kristin A. Moore and Martha R. Burt. Order No. URI 33900, \$11. The Urban Institute Press, 2100 M St., NW., Washington, D.C. 20037.

Basic Concepts of Streptococci and Streptococcal Diseases. Edited by S. E. Holm and P. Christensen. 1981. 320 pages. 32 pounds. Redbooks Ltd., Foxlane North, Chertsey Surrey, England (ISBN 0 906544 05 X).

Health Assessment of a Community with Pesticide Contaminated Drinking Water. By Thomas A. Burch, Paul Kawaguchi, and Neil Oyama. 1982. 66 pages. Research and Statistics Office, State Department of Health, P.O. Box 3378, Honolulu, Hawaii 96801.

Ethylene Oxide Use in Hospitals: A Manual for Health Care Personnel. 1982. 176 pages. \$42 members; \$52.50 for nonmembers. AHA catalog No. 031180. American Hospital Association, 840 North Lake Shore Drive, Chicago, Ill. 60611.

First Annual Report of the National Digestive Diseases Advisory Board. NDDAB, P. O. Box 30377, Bethesda, Md. 20814.

The Herbal Doctor. By Howard H. Hirschhorn. December 1982. 215 pages. \$14.95 cloth; \$4.95 paperback. Parker Publishing Company, Inc., West Nyack, N.Y. 10994.

Government Institutes, 966 Hungerford Dr., No. 24, Rockville, Md. 20850. Resource Conservation and Recovery Act Inspection Manual. 1982. 300 pages. \$35.

Hazardous Waste Handbook. Ed. 4. 500 pages. \$95.

Environmental Protection Agency Guidebook. 1982. 132 pages. \$28.

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

Basic Sanitation Technologies Suitable for Smaller European Communities. EURO Reports and Studies No. 34. 1982. 25 pages. 4 Swiss francs (ISBN 92 9020 173 8).

Epidemiological Studies on Social and Medical Conditions of the Elderly. EURO Reports and Studies No. 62. 1982. 38 pages. 4 Swiss francs (ISBN 92 890 1228 5).

Healthy Mothers, Healthy Babies Coalition Newsletter (quarterly periodical). Published by the American College of Obstetricians and Gynecologists. Request from Director of Public Affairs, ACOG, 600 Maryland Ave., SW., Washington, D.C. 20024.