ORIGINAL CONTRIBUTIONS

257 Joint Influence of Fat and Lean Body Composition Compartments on Femoral Bone Mineral Density in Premenopausal Women. Mary Fran R. Sowers, Anant Kshirsagar, Mary M. Crutchfield, and Sharon Updike

266 Preterm Delivery and Low Birth Weight among First-Born Infants of Black and White College Graduates. Gene A. McGrady, John F. C. Sung, Diane L. Rowley, and Carol J. R. Hogue

277 Infant Resuscitation Is Associated with an Increased Risk of Left-handedness. Christiana S. Williams, Kimberly A. Buss, and Brenda Eskenazi

287 Allergy and Cancer: Organ Site-Specific Results from the Adventist Health Study. Paul K. Mills, W. Lawrence Beeson, Gary E. Fraser, and Roland L. Phillips

296 Influenza Vaccine Effectiveness in Preventing Hospitalization for Pneumonia in the Elderly. David A. Foster, AkkeNeel Talsma, Alice Furumoto-Dawson, Suzanne E. Ohmit, Janice R. Margulies, Nancy H. Arden, and Arnold S. Monto

308 Seroepidemiology of California and Bunyamwera Serogroup Bunyavirus Infections in Humans in California. Grant L. Campbell, William C. Reeves, James L. Hardy, and Bruce F. Eldridge


328 Interpretation and Estimation of Vaccine Efficacy under Heterogeneity. M. Elizabeth Halloran, Michael Haber, and Ira M. Longini, Jr.

344 Variation and Covariates of the Number of Benign Nevi in Adolescents. Bernard D. Coombs, Katrina J. Sharples, Kenneth R. Cooke, David C. G. Skegg, and J. Mark Elwood

356 Effect of Nondifferential Misclassification on Estimates of Odds Ratios with Multiple Levels of Exposure. N. J. Birkett

BOOK REVIEWS

LETTERS TO THE EDITOR

Re: "Polycystic Ovaries and the Risk of Breast Cancer." Paolo Toniolo and Alice S. Whittemore

The Authors Reply. Marijie D. Gammon and W. Douglas Thompson


Drs. Bass and Roscelli Reply. James W. Bass and John D. Roscelli
How in the world do you find out about the earth?

The Earth Science Data Directory (ESDD) is compiled and produced by the US Geological Survey, an agency of the Department of the Interior and the Federal Government’s largest earth-science research agency.

References in the ESDD include information about:

- Data bases concerned with the geologic, hydrologic, cartographic, and biologic sciences
- Data that support the protection and management of natural resources
- Geographic, sociologic, economic, and demographic data sets

To secure information about becoming an ESDD user, write or call:

ESDD Project Manager
U.S. Geological Survey
801 National Center
Reston, VA 22092
(703) 648-7112 or FTS 959-7112
Join the leaders in public health when they meet in Washington, DC, for the Public Health Event of the Year—APHA’s 120th Annual Meeting. This year’s theme, Uniting for Healthy Communities, is a timely one, and more than 1200 sessions and events have been planned around making health a community affair, such as:

- promoting a healthy global community
- building coalitions of health, economic, political, social, educational, and other sectors to work toward healthy communities
- initiatives uniting the community in developing responses to specific health issues
- empowering communities for health
- special opportunities to meet with your legislators to ensure national policy linkage to community needs
- plus specific interest sessions for all public health areas ranging from alcohol, tobacco, and other drugs to vision care.

Participate in the vital information exchange; train intensively at the Continuing Education Institutes; network with your peers; check out the popular Job Placement Service, Film Festival, and exhibits; and visit local attractions.

APHA Member Registration: $150 early bird, $175 advance, $200 on-site. Nonmembers may credit $80 of fee to pay one year’s regular dues.

Register by September 8 and save $50 off the regular on-site registration fee.

For more information:
APHA Convention Services
1050 15th Street, NW
Washington DC, 20005
(202) 789-5670

Don't Miss the Public Health Event of the Year!
## Biological Resources

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<thead>
<tr>
<th>Service</th>
<th>Description</th>
<th>Contact</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Cell Culture Identification Service, Using Isozyme Analysis, Immunofluorescence and Karyotypic Analysis (Chromosome Banding)</td>
<td></td>
<td>Dr. Ward Peterson, Children's Hospital of Michigan, 3901 Beaubien Boulevard, Detroit, MI 48201</td>
<td>Inquire</td>
</tr>
<tr>
<td>Goats, Antisera Against Avian, Bovine, Feline, Murine, and Primate Viruses, Antisera to Immunoglobulins</td>
<td>A number of sera are available for various species. Preamune sera available for some virus Antisera.</td>
<td>Alice K. Robison, Ph.D, BCB Repository, 1667 Davis Street, Camden, NJ 08104</td>
<td>$75.00/5 ml (Antisera)</td>
</tr>
<tr>
<td>Virus, Avian, Feline, Murine, and Primate Viruses Produced in vivo and in vitro</td>
<td>Suitable for use in a variety of research applications.</td>
<td>Alice K. Robison, Ph.D, BCB Repository, 1667 Davis Street, Camden, NJ 08104</td>
<td>$25.00/75 ml (Premune Sera)</td>
</tr>
<tr>
<td>Monoclonal Antibodies are available with specificities for synthetic peptides representing the amino acid sequences of the left end, right end and active site of the oncogene products of avian and mammalian retroviruses. Blocking peptides are also available, as are a limited number of cell lines producing the monoclonal antibodies</td>
<td>Suitable for research applications.</td>
<td>Alice K. Robison, Ph.D, BCB Repository, 1667 Davis Street, Camden, NJ 08104</td>
<td>$75.00/5 ml (Antisera) 25,005 ml (Premune Sera) 65,001/100 ml (Immunoglobulins) (Frozen Material)</td>
</tr>
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## Chemical Resources

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<tr>
<th>Service</th>
<th>Description</th>
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<tbody>
<tr>
<td>Analytical support for the collection, separation, and elucidation of environmental carcinogens including combustion and smoking-related exposures. A contractor with experience in the development of analytical methods for the determination of constituents of cigarette smoke and cigarette smoke condensates, and of specialty instrumentation for inhalation toxicology is available to assist qualified investigators with particular interest in human and animal model exposure to environmental and sidestream smoke. An extensive chemical data base on smoke and smoke condensate components is available.</td>
<td></td>
<td>Harold E Selfried, Ph.D, Chemical and Physical Carcinogenesis Branch, DCE, NCI, Executive Plaza North, Room 700, Bethesda, MD 20892</td>
<td>Inquire</td>
</tr>
<tr>
<td>Chemical Carcinogen Reference Standard Repository, Reference quantities of over 750 compounds are available. The newest additions are dilute aqueous standards of PAH deoxyguanosine-3'-monophosphates for Randerath 'P post labelling assays. Other classes of available compounds are feca-pentaines, food mutagens, polyatomic aromatic hydrocarbons (PAH), PAH metabolites, radiolabeled PAH metabolites, nitrogen heterocycles, aminoamines, aromatic amines, aminoable ammun, aminoable compounds, azo/azoloy aromatics, inorganics, nitroaromatics, pesticides, pharmaceuticals, natural products, dyes, dioxins and chlorinated alcohols. A number of radiolabeled PAH metabolites and nitroamines are also available. Data Sheets provided with the compounds include chemical and physical properties, analytical data, hazards, storage, and handling information. Catalog available upon request.</td>
<td></td>
<td>Managor, NCI Chemical Carcinogen Repository, 425 Volkart Boulevard, Kansas City, MO 64110</td>
<td>$25.00/mg (Peptides) 45.00/ml (Acetates Fluid) 100.00/ml (Cell Culture) (Plus Shipping and Handling)</td>
</tr>
</tbody>
</table>

## National Cancer Institute

The Division of Cancer Etiology Announces To the Scientific Community The Availability of the Following Resources/Services For Cancer Related Research As Noted Below
**Epidemiology Resources**

- The Tumor Virus Epidemiology Repository (TVER) contains sera and other biological samples from more than 13,000 patients and controls obtained in 12 different countries. The TVER was established primarily to support collaborative research on the role of Epstein-Barr virus (EBV) in Burkitt's lymphoma, nasopharyngeal carcinoma, and related diseases.

  The TVER is able to adjust its collection to facilitate the development of new collaborative studies. In addition, some samples are available for reagents and independent research. The most extensive collections are serum samples from patients with Burkitt's lymphoma (sera from more than 1,000 patients).

  **Contact:** Dr. Paul H. Levine  
  **Environmental Epidemiology Branch, DCE, NCI, NIH**  
  Executive Plaza North, Room 434  
  Bethesda, MD 20892  
  (301) 496-8115

  **Cost:** Free to Collaborating Investigators, Others: Dependent on Processing Time

- The National Cancer Institute has available the Animal Mortality/Morbidity Survey of Colleges of Veterinary Medicine in North America (also known as the Veterinary Medical Database Program). This unique registry of veterinary medical information represents patient data on animals studied in collaborating veterinary teaching facilities. 3 million hospital episodes have been abstracted and computerized in a standardized record format. Disease information is coded using the scheme of the Standard Nomenclature of Veterinary Disease and Operations. The user tapes will be made available upon request.

  **Contact:** Dr. Howard M. Hayes  
  **Environmental Epidemiology Branch, Epidemiology and Biostatistics Program**  
  **Division of Cancer Eology, Executive Plaza North, Room 443**  
  **Bethesda, MD 20892**  
  (301) 496-1591

  **Cost:** Inquire

- The National Institute of Allergy and Infectious Diseases and the National Cancer Institute have developed a repository of biological specimens from homogeneous man. The specimens were collected through contracts with five major U.S. universities for studies of the natural history of acquired immune deficiency syndrome (AIDS) and related diseases. Information about applying for collaborative use of these specimens is available from the NIAID/NCI Co-Project Officer.

  **Contact:** Chief, Epidemiology Branch, AIDS Program  
  **National Institute of Allergy and Infectious Diseases**  
  CDC Bldg., Room 240  
  **National Institutes of Health**  
  **Bethesda, MD 20892**  
  or to Chief, Extramural Programs Branch, EBP,  
  **Division of Cancer Eology, NCI**  
  **Executive Plaza North, Room 535**  
  **Bethesda, MD 20892**

  **Cost:** Free to collaborating investigators. Others: $750/cell line.

- The Epidemiology and Biostatistics Program of the National Cancer Institute has developed the Observed versus Expected (O/E) software system which calculates: (1) the number of observed events (e.g. cancer cases or deaths) in a study group at risk, (2) the number of expected events in a study group (based on the rate of occurrence in some standard or referent population), (3) the ratio of observed to expected events, and (4) the significance of this ratio. The system is user friendly and capable of executing a series of calculations by different variables such as age, time since exposure, date of exposure, age at date of exposure, duration of exposure, year relative to entry and cause of event. The O/E System provides tables by rate, risk and user defined variables, allows user defined latency intervals and accepts standard or user prepared rates. O/E is written in COBOL and is exportable to most mainframes.

  **Contact:** Ruth Wolfson  
  **Epidemiology and Biostatistics Program**  
  **Division of Cancer Eology, NCI**  
  **Executive Plaza North, Room 531**  
  **Bethesda, MD 20892**  
  (301) 496-1858

  **Cost:** Free to investigators interested in epidemiologic research.

**Environmental Cancer**

- NCI's Chemical Carcinogenesis Research Information System (CCRIS) is available online through the National Library of Medicine's Toxicology Data Network (TOXNET) system. Through an interagency agreement between NCI and NLM, the CCRIS database has been built and will be maintained and updated as one of TOXNET's sponsored databases in the broad areas of chemistry, toxicology, and hazardous waste information. The CCRIS database contains evaluated data and information on carcinogens, mutagens, tumor promoters, cocarcinogens, metabolites of carcinogens, and carcinogen inhibitors derived from published review articles, ongoing current awareness survey of primary literature, NCI/NTP's short- and long-term bioassay studies, the IARC Monographs on the Evaluation of Carcinogenic Risk to Humans, and special studies and reports.

  **Contact:** Dr. Thomas P. Cameron  
  **Office of the Director, Division of Cancer Eology, National Cancer Institute**  
  **Executive Plaza North, Room 712**  
  **Bethesda, MD 20892**  
  (301) 496-1825

  **Cost:** Inquire

- The Special Assistant for Environmental Cancer, Office of the Director, announces the availability of a limited number of copies of the following publications, which have been prepared under contract to NCI.

  **Surveys of Compounds Which Have Been Tested for Carcinogenic Activity.**  

  **Contact:** Dr. Thomas P. Cameron  
  **Office of the Director, Division of Cancer Eology, National Cancer Institute**  
  **Executive Plaza North, Room 712**  
  **Bethesda, MD 20892**  
  (301) 496-1825

  **Cost:** Inquire

- The National Cancer Institute, along with the National Institute of Environmental Health Sciences, the Centers for Disease Control, and the Food and Drug Administration, has, for many years, supported a study by the Michigan Department of Public Health dealing with an accidental exposure to polybrominated biphenyls.

  **The Michigan Long Term PBB Study** is a well-maintained longitudinal database on 4,000 participants from rural farms in Michigan. This group was exposed to polybrominated biphenyls through consumption of contaminated farm animals and food products. The cohort was enrolled and characterized in 1972-76, establishing a database containing demographic, health history, medical condition, reproductive history, blood and tissue analyses, and chemical/environmental exposure information. Major life events—birth, death, cancer and major illnesses have been confirmed and updated annually. The project is currently completing a detailed recharacterization of all cohort members and their children. This longitudinal database is available for collaborative research investigating biological and human health outcomes from hexabrominated biphenyl exposure.

  **Contact:** Dr. Harold E. B. Humphrey  
  **Michigan Department of Public Health**  
  **Division of Health Risk Assessment**  
  **3423 North Logan, P.O. Box 30195**  
  **Lansing, MI 48909**  
  (517) 353-8330

  **Cost:** Free to qualified investigators.
American Journal of EPIDEMIOLOGY

American Journal of EPIDEMIOLOGY (ISSN 0002-9262) is published twice monthly for $190.00 (Domestic) and $198.00 (Foreign) per year by The Johns Hopkins University School of Hygiene and Public Health, 615 N. Wolfe St., Baltimore, MD 21205. Second-class postage paid at Baltimore, MD, and additional mailing offices. Postmaster: Send address changes to: AMERICAN JOURNAL OF EPIDEMIOLOGY, 2007 E. Monument St., Baltimore, MD 21205-2216. Sponsored by the Society for Epidemiologic Research. Supported in part by a bequest from the Delamar Fund. Editorial Office telephone no.: 410-955-3441; fax: 410-955-0344. Printed by Waverly Press, 1314 Guilford Ave., Baltimore, MD 21202-3995.