

accept the responsibility and take the time to vote.

Members may nominate additional candidates. Nominations must be accompanied by three signatures of support from members in good standing (Fellows, PAs, or Associates), a biographical sketch of the nominee according to AIC guidelines, and a signed statement of willingness to serve. They must be received by Meg Loew Craft before **February 20**. In accordance with the AIC Bylaws, all completed nominations will be placed on the final slate.

The willingness-to-serve statement and guidelines for the biographical sketch can be obtained from: Meg Loew Craft, ACTS, 410 Lyman Ave., Baltimore, MD 21212; phone/fax: (410) 433-0038. Please send completed nominations and supporting material to the same address.—Meg Loew Craft, Paul Himmelstein, Melissa Meighan, AIC Nominating Committee

JAIC News

The following individuals served as manuscript reviewers for *JAIC* during 1994. (Reviewers who did not consent to have their names listed are not included.) The associate editors and I are deeply indebted to them for their unstinting assistance as we work toward the goal of a truly professional publication.—Elisabeth West FitzHugh, Editor-in-Chief, *JAIC*

| | |
|-----------------------|---------------------|
| Carol Aiken | Tim Barrett |
| Jill Sterrett Beaudin | Barbara Berrie |
| Peter Bornstein | Irene Brücke |
| Elena Charola | Jim Coddington |
| Mary-Lou Florian | Karen French |
| Virginia Greene | Sarah Greenough |
| Carol Grissom | Doris Hamburg |
| Jane Hutchins | Alexander Katlan |
| Steven Koob | Julie Lauffenburger |
| Barbara Lemmen | Mark Leonard |
| Andrew Lins | Jane Merritt |
| Pauline Mohr | Sue Murphy |
| Howard Needles | Debbie Hess Norris |
| Michael Palmer | Helen Mar Parkein |
| Nancy Reinhold | Grant Romer |
| Michael Schilling | Leon Stodulzski |
| Donna Strahan | Tom Taylor |
| Charles Tumosa | John Waterhouse |
| Jonathan Winter | |

Membership News

The Membership Committee is pleased to announce the following new PAs:

| | |
|-----------------------|--------------------|
| Catherine E. Anderson | M. Sarah Bertalan |
| Mary E. Bettlejeski | Gail Harriman |
| Teresa Ann Knutson | Melissa S. Meighan |
| Dana L. Moffett | Robert Proctor |
| Phillip P. Sayre | Mark D. Stryker |
| Jane L. Williams | |

New Fellow Profile

Wendy Hartman Samet

Wendy Hartman Samet, paintings conservator/adjunct professor, University of Delaware/Winterthur Museum Art Conservation Program, received her M.S. in art conservation from Winterthur in 1985. She interned at the Inter-museum Laboratory, Oberlin, Ohio, and held a Mellon Fellowship at the Walters Art Gallery, Baltimore. In addition to her conservation and teaching responsibilities at Winterthur, Wendy has overseen the conservation of Whistler's Peacock Room at the Freer Gallery of Art. Wendy's many contributions to the profession include organization and development of the artist's techniques database at the University of Delaware, service as chair and cochair of the Paintings Specialty Group, and chair of the *Paintings Conservation Catalog*. She currently serves as a member of the editorial board for the *Paintings Conservation Catalog*—Stephen D. Bonadies

Health and Safety News

PUBLICATIONS UPDATE: Every year the Health and Safety Committee prepares a publications table at the annual meeting to familiarize members with a few of the books and pamphlets published annually. Some publications that conservators may wish to own personally or purchase for their laboratories are abstracted below. Inclusion of a title in this column is not an endorse-

ment of any book, but is merely a service to the AIC membership of providing a selection of titles from the numerous catalogs the committee reviews.—Shelley Sturman, Chair, Health and Safety Committee

Biological Monitoring of Exposure to Chemicals: Organic Compounds. H. K. Dillon and M. H. Ho, editors. 1987. New York: Wiley-Interscience. ISBN: 0-471-82275-2. 376 pages. Assesses biological monitoring of occupational exposure to chemicals, with emphasis on organic chemicals. Presents mathematical models that simulate the kinetics of the uptake, distribution, and elimination of chemicals by the body; discusses factors determining the concentration of an inhaled substance.

Chemical Exposures: Low Levels and High Stakes. N. A. Ashford and C. S. Miller. 1991. New York: Van Nostrand Reinhold. ISBN: 0-442-00499-0. 214 pages. Discusses sensitivity to low-level chemical exposure and the associated health effects, shows how it differs from traditional allergies, and suggests how federal and state governments can help those who are affected.

Dictionary of Chemical Names and Synonyms. P. H. Howard and M. Neal. 1992. Chelsea, MI: Lewis Publications. ISBN: 0-87371-396-6. 2,542 pages. Focuses on approximately 20,000 chemicals, divided into three sections: 1) individual chemical records; 2) index of more than 130,000 chemical synonyms arranged alphabetically; and 3) index of chemical formulas ordered by the Hill system.

Health Risk Assessment: Dermal and Inhalation Exposure and Absorption of Toxicants. R.G.M. Wang, J. B. Knaak, and H. I. Maiback, editors. 1993. Boca Raton, FL: CRC Pr. ISBN: 0-8493-7357-3. 544 pages. Emphasizes aspects of dermal exposure to toxicants with respect to skin metabolism, absorption, and pharmacokinetic modeling and compares to inhalation exposure. Also focuses on epidemiologic studies of humans exposed to toxicants under various routes.

Reproductively Active Chemicals: A Reference Guide. R. J. Lewis Sr. 1991. New York: Van Nostrand Reinhold. ISBN: 0-442-31878-2. 841 pages.

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100 ml. mark or add 100 mls. of solvent, you still have not created a 20% solution by any standard. The reason is that the resin pellets do not completely fill up the volume, some of which is occupied by air spaces between the pellets.

In summary, the easiest way to prepare percent solutions is to use either the weight/weight (mass percent) method, weighing both solvent and solute, or to use the weight/volume method of placing a weighed solute in a volumetric flask and adding solvent until the desired total volume has been reached.

Obviously there are many different ways of expressing solution concentration. There appears to be no standard terminology for solution concentration in conservation. The most important thing to remember when expressing the percent concentration of a solution is that the *type* of percent solution and *means of preparing it* need to be specified, so that a standard of comparison can be achieved.—Suzanne Quillen Lomax, National Gallery of Art

Health and Safety

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Documents the effects of more than 3,300 chemical substances known or suspected to cause adverse effects on human reproductive health. Each reproductive or teratogenic effect reported includes the dose and species exposed, exposure conditions, and the source of the data.

Chemical Injury First Aid Pocket Guide. Genium Publishing Corporation. 1991. ISBN: 0-931690-38-2. 96 pages. Explains how various materials threaten human tissue and appropriate first aid procedures.

Destruction of Hazardous Chemicals in the Laboratory. 2d ed. G. Lunn and E. B. Sansone. 1994. New York: John Wiley and Sons. ISBN: 0-471-57399-X. 518 pages. Offers detailed procedures that can be used to degrade and dispose of a wide variety of chemicals, applicable to both laboratory and bulk quantities. Also includes methods for

cleaning up spills and wipe tests to ensure surface decontamination.

Chemical Protective Clothing Performance Index Book. K. Forsberg and L. H. Keith. 1989. New York: John Wiley and Sons. ISBN: 0-471-51430-6. 305 pages. Provides test data for more than 650 chemicals and mixtures pertaining to gloves, suits, boots, and visors. Includes Chemical Permeation Performance Index Numbers in order to select CPC with best demonstrated performance.

Quick Selection Guide to Chemical Protective Clothing. 2d ed. K. Forsberg and S. Z. Mansdorf. New York: Van Nostrand Reinhold. 1993. ISBN: 0-442-01205-2. 80 pages. Pocket-sized guide containing information on 600 tested chemicals. Discusses gloves and suit materials with charts of breakthrough times and permeation rates.

SOFTWARE

Chemical Protective Clothing Permeation/Degradation Database. K. Forsberg, L. H. Keith, and M. Blotzer. Computer software. ISBN (IBM): 0-87371-709-0. ISBN (Mac): 0-87371-707-4. Database containing more than 12,000 results from tests of more than 660 chemicals and mixtures. It is menu-driven and can be searched by chemical, chemical class, garment material, manufacturer, product model number, and reference source.

NIOSH PUBLICATIONS

Guide to Industrial Respiratory Protection. 1987. 296 pages. Technical manual details types of respirators and covers respirator selection, use, and special conditions. Includes explanation of NIOSH's respiratory protection program.

Personal Protective Equipment for Hazardous Materials Incidents: A Selection Guide. 1984. 227 pages. Step-by-step guides for selection of respirators, chemical protective clothing, etc. Methods for calculating service life of PPE included.

Correction

November 1994 Health and Safety column: The correct acronym for personal protective equipment is PPE.

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1995 AIC Directory Corrections

Please add or change the following information in your 1995 Directory:

ARON APISDORF, [redacted] s
[redacted], Cooper City, FL 33026; [redacted] D
[redacted].

MALCOLM DELACORTE, [redacted] k
[redacted] P, [redacted], Cornwall, NY
12518; [redacted]. (Fellow
member, textile specialty)

KATHY Z. GILLIS, [redacted] 1
[redacted], San Francisco, CA 94110;
[redacted]. (wooden artifacts
specialty)

ELEANOR MCMILLAN should
have been designated as a Fellow.

The correct phone number for
PAULA VOLENT is [redacted]-
[redacted].