

RISK *newsletter*

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Ikeda Receives SRA Service Award

Saburo Ikeda, professor at the University of Tsukuba's Institute of Socio-Economic Planning and the fourth president of the Society for Risk Analysis' Japan Section, received the Society's Outstanding Service Award for 1995 at the SRA Annual Meeting in Hawaii. The award recognized his role in the initial activities which led to organizing the Japan Section. He has also held several elected positions in the section, served as its secretariat, and actively participated in the parent SRA.

Ikeda's introduction to SRA came in October 1984, when he and Kazuhiko Kawamura of Vanderbilt University organized a joint workshop in Tsukuba on "Risk Management in the U.S. and Japan—A Comparative Perspective" co-sponsored by the U.S. National Science Foundation and the Japan Society for the Promotion of Sciences.

"The workshop was conducted as a working forum with a rather limited number of discussants from both countries," Ikeda explained, "since we (Japan) had not established a research area of *risk analysis* such as that in the United States." He recalled that most of the U.S. participants were active SRA charter members, including Elizabeth Anderson, Vincent Covello, Lester Lave, Roger Kasperson, Paul Slovic, Curtis Travis, and others. "We Japanese participants were very much impressed by the disciplinary scope, methodologies, and practices of risk analysis that were conducted in the U.S.," said Ikeda, and that was the primary reason he joined SRA in 1985.

Following the first workshop, Osaka University professors Tomitarou Sueishi, who would become the first Japan Section president, and Tohru Morioka, one of the first councilors, organized a second workshop, where the Japanese participants came to a consensus that Japan should have a society similar to SRA to promote international cooperation and, in particular, to learn the advanced level of both academic and practical studies in the field of risk analysis. The Section's inaugural meeting and first elections were held June 25, 1988. Ikeda was elected secretary and councilor (section officials serve two-year terms) and was reelected secretary in 1990. He was elected vice-president in 1992, which included a successive term as president from 1994 to the present.

Ikeda's contributions to SRA include serving a three-year term as councilor, beginning in 1990; participating in most of the international SRA annual meetings since 1985; and submitting papers which have been published in *Risk Analysis*. Since 1988, he has been the point man for communications between SRA and Japan and with *RISK newsletter*. In addition, it was he who originally proposed that an annual meeting of the Society be held in Hawaii with the Japan Section as cosponsor. He later served on the Section's committee to organize the meeting.

Ikeda has a B.S., an M.S., and a Ph.D. in applied mathematics and physics from Kyoto University. Before joining SRA, he was involved in several policy studies of pollution control—particularly air and water pollution problems

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Rae Zimmerman

Zimmerman Is President-Elect

For the third successive year, the Society for Risk Analysis has chosen an educator as its leader. It was announced at SRA's 1995 Annual Meeting that the Society's next president-elect is Rae Zimmerman, professor of planning and public administration at New York University's Wagner Graduate School of Public Service, where she developed and manages the school's environmental curriculum, including its Summer Institute in Risk Management in Environmental Health and Protection.

Zimmerman will serve as a member of the Society's Executive Committee this year and will become president in December 1996, when she succeeds the current president, John D. Graham.

Plans for 1996 Meeting

As president-elect, Zimmerman chairs the committee that is planning SRA's 1996 Annual Meeting, which will be a joint meeting with the International Society of Exposure Analysis (ISEA) and will be held December 8-11 in New

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Ikeda (Continued from page 1.)

associated with regional development programs—which were similar to risk analysis. As a research scholar at the International Institute for Applied Systems Analysis in 1976-77, he did a comparative study of environmental problems in the U.S. Tennessee



Ikeda

Valley Authority program, the former U.S.S.R. Bratsk Illimsk program, and Japan's bullet train program. In 1980-81, he studied air pollution control policy as a research fellow in the Centre for Environmental Technology at London University's Imperial College. In 1986-87, he worked on the risk issues of advanced technology and biotechnology as a Fulbright research scholar at Clark University's Center for Technology, Environment, and Development. He joined the University of Tsukuba faculty in 1982 and chaired the graduate program in socio-economic planning in 1993-95.

Officers Elected

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Orleans, Louisiana, at the Fairmont Hotel at University Place in the city's financial district.

Zimmerman says that the aim of the 1996 meeting will be to create opportunities for SRA's numerous disciplines to address risk problems in an interdisciplinary manner.

"Barriers among the disciplines must continue to be broken down if risk assessment and risk management are to support the important debates underway in risk regulation and reform," she says, adding that conference organization and themes will underscore this by enhancing interdisciplinary thinking. For example, interdisciplinary themes that have already been proposed by and discussed with members include integrating animal experimentation and epidemiology in dose-response estimation, incorporating environmental equity into the development of exposure factors by accounting for racial and ethnic differ-

ences in food consumption, and designing risk-based standards that reflect public perceptions and can be effectively communicated. Thomas E. McKone, SRA councilor and member of the conference planning team, is co-directing the joint ISEA-SRA effort to integrate exposure assessment with a variety of SRA themes.

The risk regulation and reform debate will also continue to be addressed at the 1996 meeting, with major players invited to express their views. In addition there will be a continuing commitment to international themes as well as an emphasis upon risk issues in the region of New Orleans.

Goals for the Society

Zimmerman's vision of the Society's future reflects her own interdisciplinary thinking. "New issues have arisen in the risk arena, and the nearly two decades of experience in risk assessment, management and communication is of enormous value in addressing them," she says. In doing so, the Society must focus on several questions: How can SRA be an active player in regulatory reform and still retain a non-partisan stance? How can the science of risk assessment be flexible enough to accommodate wide swings in policy? And how can the science be communicated effectively to policy makers, politicians, and the public?

"Our strength as a professional society will be determined by our ability to continue to organize and intensify our efforts on cutting-edge issues," she said, "in particular, the process by which risk assessment is used in decision making."

The Society should also diversify and expand its interests in risk management to more actively include mainstream social scientists to contribute to debates in the medical, natural and physical sciences and engineering, she says. "In short, promoting interdisciplinary and integrated research should continue to be a major direction for the Society, and resources for such research should be redirected to that end. The development and strengthening of networks among the professional societies is one aspect of this."

Zimmerman's interests have been interdisciplinary for some time. She is currently directing a team of engineers, social scientists, and management professionals who are addressing urban infrastructure performance in research funded by the National Science Foundation. She is also conducting research on the influence of environmental attitudes of farmers on their use of pesticide alternatives, funded by the U.S. Environmental Protection Agency. Her recent publications have focused on environmental epidemiology, floodplain management, environmental equity, and global warming impacts on urban infrastructure.

She has a B.A. in chemistry from the University of California (Berkeley), a master's degree in city planning from the University of Pennsylvania, and a Ph.D. in planning from Columbia University. Before joining NYU, she was a physical scientist at EPA working on water quality and currently works with the agency on environmental equity issues associated with hazardous waste sites.

A charter member of SRA, she has served as a councilor (1991-1994) and as a reviewer for the journal. She is also the cofounder and former president of the Society's Metropolitan (CT-NJ-NY) Chapter.

Flamm Relected Secretary

In addition to the president-elect, the Society elected a secretary and three councilors.

W. Gary Flamm, president of Flamm Associates, was relected as the Society's secretary and will serve his second two-year term. He is recognized as an international authority in the risk and safety evaluation of carcinogens and other toxic agents and for his accomplishments in establishing a better understanding between government and industry in areas of safety evaluation. During his career he has held positions at the U.S. National



Flamm

Institutes of Health and U.S. Food and Drug Administration, as well as academic appointments in several universities. Among many honors, he is a fellow and former president of the American College of Toxicology and past president of the International Society for Regulatory Toxicology and Pharmacology. He serves on the editorial boards of seven journals which address toxicological and risk assessment subjects and the newsletter *Guide to U.S. Food Safety Law* and has published over 100 papers in journals and books. He has a B.S. in pharmacy, an M.S. in pharmaceutical chemistry, and a Ph.D. in biochemistry from the University of Cincinnati Medical School. He is a charter member of SRA and has served on the council and the *Risk Analysis* editorial board.

Jarabek, Menzie, and Mulvihill Elected Councilors

The three new councilors, who will serve through 1998, are as follows:

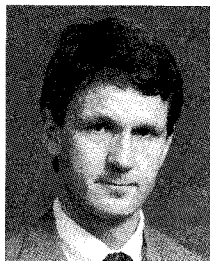
Annie M. Jarabek is a toxicologist for the U.S. Environmental Protection Agency's Office of Research and Development. She is the principal author of the EPA's methods to derive inhalation reference concentrations that incorporate dosimetry modeling of inhaled particles and gases to improve characterization of dose and has written over 20 publications on dose-response assessment. She has also contributed to the practice of using dosimetry modeling for route-to-route extrapolation. Her experience includes cochairing the EPA work group of scientists on non-cancer dose-response assessment



Jarabek

and giving expert peer review for the guidance document on dermal exposure assessment. She is working now on implementation of the benchmark approach for dose-response modeling and has developed a Bayesian application which is similar but also provides for statistical combination of dose-response estimates. She has a B.S. in biology from Notre Dame University and has done graduate work in inhalation toxicology at the University of Cincinnati Medical School. Since joining SRA in 1989, she has served as a president and councilor of the Research Triangle Chapter and a member of the 1993 SRA Annual Meeting organizing committee.

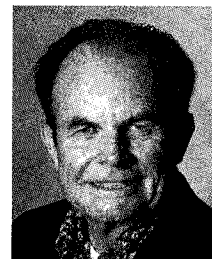
Charles A. Menzie is founder and president of Menzie-Cura & Associates Inc., which is internationally recognized for human health and ecological risk assessment. With over 20 years of experience, he has managed risk assessments related to chemical manufacturing plant siting, new energy technologies, synthetic fuel facilities, landfills, radioactive and mixed waste disposal, land redevelopment, no-migration petitions, hazardous waste and Superfund sites, and natural resource damage. He has also developed risk assessment guidance for Gas Research Institute and Electric Power Research Institute and facilitated expert peer review of risk assessment case studies for the U.S. Environmental Protection Agency's Risk Forum. He has a B.S. in biology from Manhattan College, an M.A. in biology from the College of New York, and a Ph.D. in environmental science from City University of New



Menzie

York. Since joining SRA in 1987, he has served as president of the New England Chapter and has organized several annual meeting sessions on ecological risk assessment. He is a liaison between SRA and the Society of Environmental Toxicology and Chemistry.

Robert J. Mulvihill is the founder of Risk Management and Analysis Inc., which is dedicated to the risk assessment of aerospace, chemical, nuclear, and other industrial systems and associated processes. His experience includes technical management and mechanical, industrial, nuclear, and marine engineering. For the past 25 years, he has pioneered the application of reliability, maintainability, human factors engineering, and risk assessment techniques, which he has recently applied to the architect-engineering design process. His recent publications include several papers on the application of risk analysis to space, chemical, and industrial plant safety. In 1995, he lectured on energy systems, risk analysis, and reliability at the Pakistan Nathiagali International Summer College. He is a director on the board of the International Association for Probabilistic Safety Assessment and Management. He has a B.S. in marine engineering from State University of New York, an M.S. in mechanical engineering from Massachusetts Institute of Technology, and a Ph.D. in engineering from California Coast University. An SRA member since 1987, he has served as president of the Southern California Chapter and is chair of the Engineering Speciality Group.



Mulvihill

NCRP To Hold Symposium on Radiation Risk in Space Flight

The National Council on Radiation Protection and Measurements (NCRP), with the support of the National Aeronautics Space Administration, will conduct a one-day symposium on the "Acceptability of Risk from Radiation—Application to Manned Space Flight" on Wednesday, May 29, 1996, at the Crystal Forum of the Crystal City Marriott, Arlington, Virginia (no registration fee). The symposium will focus on the rationale for establishing an acceptable lifetime risk of fatal cancer due to exposures to ionizing radiation in space. Sub-

jects will include space radiation and its biological effects; the basis for dose limitations recommended by the NCRP and the International Commission on Radiological Protection; alternative approaches for limiting doses; and the philosophy of astronaut protection and the communication of the associated risks. For more information, contact Laura Atwell of NCRP, e-mail 73321.2461@compuserve.com, telephone (301) 657-2652, or fax (301) 907-8768, or the program coordinator Dade W. Moeller, telephone (919) 633-3352.

1995-96 SRA Officers and Councilors

President: **John D. Graham**, Harvard School of Public Health, Center for Risk Analysis, Boston, Massachusetts, telephone (617) 432-4343, fax (617) 432-0190, e-mail jgraham@hsph.harvard.edu

President-elect: **Rae Zimmerman**, New York University, Robert F. Wagner Graduate School of Public Service, New York, New York, telephone (212) 998-7432, fax (212) 995-3890, e-mail zimmrnmr@is2.nyu.edu

Secretary: **W. Gary Flamm**, Flamm Associates, Vero Beach, Florida, telephone (407) 234-0096, fax (407) 234-0026

Treasurer: **Paul S. Price**, ChemRisk, A Division of McLaren/Hart, Portland, Maine, telephone (207) 774-0012, fax (207) 774-8263, e-mail paul_price@mclmhr.t.uucp@netcom.com

Past President: **M. Elisabeth Paté-Cornell**, Stanford University, Department of Industrial Engineering and Engineering Management, Stanford, California, telephone (415) 723-3823, fax (415) 725-8799, e-mail ng.mep@forsythe.stanford.edu

Councilor, 1997: **David E. Burmaster**, Alceon Corporation, Cambridge, Massachusetts, telephone (617) 864-4300, ext. 222, fax (617) 864-9954, e-mail deb@alceon.com

Councilor, 1996: **Caron F. Chess**, Rutgers University, Cook College, Center for Environmental Communication, New Brunswick, New Jersey, telephone (908) 932-8795, fax (908) 932-7815, e-mail chess_c@aesop.rutgers.edu

Councilor, 1997: **Gail Charnley**, Commission on Risk Assessment and Risk Management, Washington, D.C., telephone (202) 233-9532, fax (202) 233-9540, e-mail gcharnle@nas.edu

Councilor, 1996: **Yacov Y. Haimes**, University of Virginia, Center for Risk Management of Engineering Systems, Charlottesville, Virginia, telephone (804) 924-3803, fax (804) 924-0865, e-mail yyh4f@virginia.edu

Councilor, 1998: **Annie M. Jarabek**, U.S. Environmental Protection Agency, National Center for Environmental Assessment, Office of Research and Development, Research Triangle Park, North Carolina, telephone (919) 541-4847, fax (919) 541-1818, e-mail jarabek.annie@epamail.epa.gov

Councilor, 1997: **Thomas E. McKone**, E. O. Lawrence Berkeley National Laboratory and University of California, Berkeley, California, telephone (510) 642-8771, fax (510) 642-5815, e-mail tmck@llnl.gov

Councilor, 1998: **Charles A. Menzie**, Menzie-Cura & Associates Inc., Chelmsford, Massachusetts, telephone (508) 453-4300, fax (508) 453-7260, e-mail menziecura@aol.com

Councilor, 1996: **Tohru Morioka**, Osaka University, Department of Environmental Engineering, Osaka, Japan, telephone or fax (81) 6-879-7676, fax (81) 6-877-8497, e-mail morioka@env.eng.osaka-u.ac.jp

Councilor, 1998: **Robert J. Mulvihill**, Risk Management and Analysis Inc., Oceanside, California, telephone (619) 721-2540, fax (310) 640-2207, e-mail mulvihill@aol.com

Executive Secretary: **Richard J. Burk Jr.**, SRA Secretariat, McLean, Virginia, telephone (703) 790-1745, fax (703) 790-2672, e-mail sraburkmgmt@aol.com

Note: Full addresses are available in the *SRA 1995 Membership Directory*.

1996 SRA Committees

The 1996 Society for Risk Analysis committees and their chairs are as follows:

Standing Committees

Annual Meeting: **Rae Zimmerman***

Awards: **James D. Wilson**, Center for Risk Management, Resources for the Future, Washington, D.C., telephone (202) 328-5099, fax (202) 939-3460, e-mail wilson@rff.org

Conferences and Workshops: **Elizabeth L. Anderson**, Sciences International Inc., Alexandria, Virginia, telephone (703) 684-0123, fax (703) 684-2223, e-mail sciences@access.digex.net

Executive: **John D. Graham***

Finance: **Paul S. Price***

Gifts and Grants: **Robert G. Tardiff** (see address on page 7)

Membership: **Caron F. Chess***

Nominating: **Robert G. Tardiff** (see address on page 7)

Publications: **M. Elisabeth Paté-Cornell***

Publicity: **Scott R. Baker**, EA Engineering, Science, and Technology Inc., Silver Spring, Maryland, telephone (301) 565-4216, fax (301) 587-4752, e-mail sb@eaeng.mhs.compuserve.com

Sections and Chapters: **Charles A. Menzie***

Specialty Groups: **Robert J. Mulvihill***

SRA Historian: **Robert B. Cumming**, Oak Ridge, Tennessee, telephone (423) 483-0837, e-mail rbcumming@aol.com

Ad Hoc Committees

Advisory Board: **Paul F. Deisler Jr.**, Austin, Texas, telephone and fax (512) 480-9810

Curricula: **Annie M. Jarabek***

Grants Management: **Yacov Y. Haimes***

Internet: **David E. Burmaster***

Public Policy: **Gail Charnley***

SRA Structure: to be announced

*Contact numbers are provided in the list at left.

Report from 1995 SRA Business Meeting

SRA's 1995 business meeting, held December 5 at the Society's annual meeting in Hawaii, was opened by President M. Elisabeth Paté-Cornell, who extended a special welcome to the many attendees from Japan and Europe, thanked the meeting organizers, and requested a report from John D. Graham, chairman of the 1995 Annual Meeting Committee and SRA's incoming president.

Meeting Chairman's Report. Graham thanked all those who had contributed to the meeting and announced that it would be financially profitable. Abstracts submitted totaled 456 (with 737 authors) and to date registrations had totaled 439. (*Editor's Note:* Final registrations were 451, of which 145 were non-U.S., including 56 from Japan.)

Treasurer's Report. Treasurer Paul Price reported that in 1994 the Society had significant revenues above expenses, allowing the addition of \$36,531 to its reserves, greater than the



Presidents John D. Graham (1995-96) and M. Elisabeth Paté-Cornell (1994-1995).

\$14,800 estimated (see RISK newsletter, Fourth Quarter 1995). Policies put in place during the last year have ensured that extramural projects and workshops will be financially neutral or profitable to the Society, and a contract with Tec-Com has spelled out specific work and financial responsibilities of the parties. The coming increase in dues (see

below) will be used to further build reserves, which are still much too low, and to help the financial requirements associated with future changes in the editorial policies of the journal.

Secretary's Report. Secretary Gary Flamm announced the results of the 1995 elections (see pages 1-3) and reported that, as of November 28, the Society had 2,075 members. New attendees at the meeting were expected to increase this number. In 1995, 430 new members were added.

President's Report. *On dues and the journal:* Pointing out that the Society had benefited from the support of Oak Ridge National Laboratory and the expertise and competence of Curtis Travis as editor-in-chief for 14 years, President Paté-Cornell said that the council feels that it should take steps toward the financial independence of the journal, at the same time increasing the diversity of the articles and reexamining the role of the editorial board. At

(Continued on page 6.)

Report from SRA Advisory Board

In its report to the president and council during the Society's 1995 Annual Meeting in Honolulu, the SRA Advisory Board identified several areas it believes require aggressive, focused, long-term attention by the leadership and members:

(1) *Competition from Other Societies.* Many other societies, including long-established technical and scientific societies, now offer significant programs on risk analysis, providing competition to SRA.

(2) *Areas Not Covered.* Important areas of risk analysis are not adequately covered by SRA.

(3) *Slow Membership Growth.* SRA's overall membership, world-wide, has remained relatively stagnant despite the growth in interest and practice in the field of risk analysis in the last few years.

(4) *Under-represented Private Sectors.* Significant private sectors interested and, in one way or another, involved in risk analysis are under-represented—or not represented—within SRA's membership.

The board is concerned that without serious attention to these matters SRA will become a less significant factor in the broad field of risk analysis and its membership could even dwindle.

The board identified SRA's interdisciplinary, integrative character, combined with its ability to address special interests, as major strengths. With further cultivation and development, SRA's committees, specialty groups, sections and chapters, as well as its individual members, can develop attractive, significant programs and modes of outreach to cover more areas of interest, emphasize interdisciplinarity, attract more and varied members, and make SRA more visible in general and more central to its own chosen field.

To achieve this, the board suggested that provision must be made for continuity of effort transcending individual administrations of SRA and that, therefore, a strategic plan is needed. Arriving at such a plan and putting it into effect is, the board believes, a significant challenge for the president and council.

The board received a number of comments and suggestions from the membership last year and solicits additional comments on major issues members believe to be important to the future of the Society. They should be forwarded either to Brett Burk at the SRA Secretariat (see masthead, page 12, for address) or to the chair of the Advisory Board, Paul Deisler, P.O. Box 5819, Austin, Texas 78763, telephone and fax (512) 480-9810.

Council Approves New Awards

When the Society for Risk Analysis Council met last December, it approved two new awards for annual conferral: the SRA Young Risk Analyst Award and the SRA Outstanding Practitioner in Risk Analysis Award. Membership in or service to the Society is not a requirement for receiving either award.

According to SRA President John D. Graham, "The Outstanding Practitioner in Risk Analysis Award arose from our realization that most SRA members are practitioners in business and government, while most of our awards have gone to academics and scholars." SRA will grant the award in alternating years to individuals who have made substantial contributions to the field of risk analysis through work in the public or private sector, beginning with the public sector in 1996.

The Young Risk Analyst Award came from the council's observation that several societies have made constructive use of a young scientist award to encourage the development of careers in the field. "The Young Risk Analyst Award provides a mechanism to recognize emerging stars in our society and thereby help young risk analysts better define their professional community," Graham said. The Society will present the award to individuals under the age of 40 who have made exceptional contributions to the field of risk analysis.

The Nominating Committee is currently accepting nominations for these and other SRA awards (see Call for Nominations for SRA Awards on this page) to be presented at the 1996 Annual Meeting in New Orleans.

Business Meeting *(Continued from page 5.)*

its spring meeting, the council expects to select three area editors from a list proposed by the Publications Committee: one each from the areas of environmental and health risk assessment, the social sciences, and engineering. In two years, one area editor may be named editor in chief, whose role will be to integrate and balance the different elements of the journal and to solicit particular contributions. To facilitate the journal's independence, SRA dues will be increased by \$10 per year over a three-year period. (Note: Nominations for the area editors should be sent to the SRA Secretariat to the attention of Robert G. Tardiff.)

On grants management: To ensure that the membership is aware of grants to the Society and that the funds are spent appropriately, the council has created a Grants Management Committee to develop the procedures for selecting researchers and monitoring expenses and to apply those procedures to existing and future grants.

On strategic planning: On December 2, council members and past SRA presidents met to begin a strategic planning process, focusing on four issues: increasing membership, enhancing interdisciplinary integration, responding to requests for advice from the U.S. Congress and the Executive Branch, and improving the quality of information exchanged within

Call for Nominations for SRA Awards

The Society for Risk Analysis Awards Committee invites nominations for the following 1996 awards:

The **SRA Distinguished Achievement Award** honors any person for extraordinary achievement in science or public policy relating to risk analysis.

The **SRA Outstanding Service Award** honors SRA members for extraordinary service to the Society.

The **SRA Outstanding Risk Practitioner Award** honors individuals who have made substantial contributions to the field of risk analysis through work in the public or private sectors. The 1996 award will be for the public sector.*

The **SRA Young Risk Analyst Award** honors individuals under the age of 40 who have made exceptional contributions to the field of risk analysis.*

The **Fellow of the Society for Risk Analysis** award recognizes and honors up to one percent of the Society's membership whose professional records are marked by significant contributions to any disciplines served by the Society and may be evidenced by one or more of the following: (a) recognized, original research, application, or invention; (b) technical, scientific, or policy analysis leadership in an enterprise of significant scope that involves risk analysis in a substantial way; (c) superior teaching or contributions to improve education and to promote the use of risk analysis that are widely recognized by peers and students; or (d) service to or constructive activity within the Society of such a quality, nature, or duration as to be a visible contributor to the advancement of the Society. Nominees must have been SRA members for at least five years and must now be members in good standing.

The committee members are former SRA presidents, **James D. Wilson** (chair), **B. John Garrick**, **Lester B. Lave**, and **Richard C. Schwing**. Please submit nominations and a brief paragraph supporting each **by May 15** to Ann Landis at the SRA Secretariat (see address in masthead on page 12).

*This is a new award. See article on this page.

SRA. Many of the issues have been raised by the SRA Advisory Board (see report on page 5), which is urging the Society to emphasize its interdisciplinary nature.

On communications: The council is examining the feasibility of establishing an Internet home page for SRA. On the basis of a survey conducted by the Membership Committee (26 responses), the journal was cited as the most important scientific communication vehicle within SRA, as compared with the annual meeting and the newsletter.

On liaisons: SRA is now a collaborative society of the National Council of Radiation Protection and Measurements.

On awards and training: President Paté-Cornell acknowledged all 1995 SRA awardees (see page 1 and next newsletter) and said the council would be discussing issues of funding academic training programs for risk analysis specialists.

On other 1995 accomplishments: Other SRA accomplishments include (1) breakfast briefings for congressional staff writing risk legislation, (2) the new Chicago Regional Chapter and interactions with a potential section in Canada, (3) five annual meeting workshops of high quality and profitability, (4) \$9,500 raised by the Gifts and Grants Committee, and (5) the initiation of preparations for two special issues of the journal focusing on engineering questions.

President Paté-Cornell concluded by saying that she feels that the Society has recently implemented a number of improved procedures and mechanisms, and now it must work to increase its membership. She then deferred to the incoming president, who presented her with a plaque from the Society in appreciation of her service.

Call for Nominations for SRA Officers

The SRA Nominating Committee invites nominations for the following offices in the Society's 1996 elections:

President-elect Treasurer Three Councilors

The treasurer serves for two years and may be re-elected to a second term. Councilors serve for three years and are ineligible for reelection until one year has elapsed following the completion of their terms.

Please submit nominations with a brief paragraph supporting each **by April 22** to the chair of the Nominating Committee: **Robert G. Tardiff**, EA Engineering, Science, and Technology Inc., c/o 1423 Trapline Court, Vienna, VA 22182-1731, fax (703) 893-3737.

Specialty Groups

The Society for Risk Analysis specialty groups met during the 1995 SRA Annual Meeting in Hawaii, during which they made the following plans for the 1996 Annual Meeting:

The **Dose Response Specialty Group** would like to receive a variety of topics and proposals for 1996 Annual Meeting symposia, technical sessions, and poster sessions to consider in addition to the topics they have already proposed, including time as the forgotten dimension in risk assessment, selecting the best dose-response model, dose response and epidemiology, practical procedural approaches to conducting dose-response assessments in risk assessment, biological basis of carcinogenicity, communicating dose response to engineers and other non-biologists, uncertainty in dose-response assessment, and dose-response databases. Contribute suggestions to Scott R. Baker (see address on page 4).

The **Ecological Risk Assessment Specialty Group** is considering two topics—comparative risk analysis and ecosystem sustainability—as possible session titles for the 1996 Annual Meeting. They are also interested in developing sessions on local issues in the New Orleans area, such as ecological risk assessment projects along the Gulf Coast or in the southeastern United States. Their other ideas for topics include valuation, competing for resource dollars, how to use both human health and ecological risk assessment in overall assessments of sites, cost-benefit analysis, and assessment and measurement endpoints. To suggest other topics, contact William (Bill) Alsop of ChemRisk in California by e-mail bill_alsop@mclrnhr.t.uucp.netcom.com, telephone (510) 748-5657, or fax (510) 521-1547.

The **Engineering Specialty Group** wants to help promote the interdisciplinary nature of SRA by strengthening its own contributions. As a first step, it will solicit engineering articles for the journal and work with other groups to present

interdisciplinary papers at the next annual meeting. Ideas should be sent to Robert J. Mulvihill (see address on page 4).

The **Exposure Assessment Specialty Group** is developing themes for the exposure assessment sessions at SRA's joint annual meeting with the International Society of Exposure Assessment in New Orleans. Session topics under consideration include activity patterns, air pollution, biological contaminants, biomarkers of exposure, environmental epidemiology, communication of exposure variability and uncertainty, dermal uptake, exposure modeling, food-chain exposures, hazardous waste and toxic chemicals, metals, monitoring and surveillance, Monte Carlo methods, pesticides, regulatory issues, water contamination, indoor air exposures, and exposures to household and consumer products. For more information, contact John C. Kissel of the University of Washington by e-mail jkissel@dehpost.sphcm.washington.edu, telephone (206) 543-5111, or fax (206) 543-8123.

The **Risk Communication Specialty Group** is interested in organizing symposia with other specialty groups for the 1996 SRA Annual Meeting. The group has discussed possible symposium topics, such as identifying and dealing with ethical and moral value conflicts in risk communication and lowering barriers to openness in institutional communication. Richard Rich of the University Center for Environmental and Hazardous Materials Studies in Virginia is accepting additional suggestions from potential symposia organizers and participants by e-mail urban@vt.edu, telephone (540) 231-5323, or fax (540) 231-3860. In addition, the group is accepting volunteers for pre-annual meeting risk communication workshop instructors and suggestions for workshop topics, such as a basic introduction to a technique for dealing with the media, designing questionnaires, or organizing effective focus groups. For interaction about the workshop, contact Steven Lewis of Exxon Biomedical Sciences Inc. in New Jersey by telephone (908) 873-6063 or fax (908) 873-6009.

SRA-Europe: Annual Meeting June 3-5

The Europe Section of the Society for Risk Analysis will hold its 1996 Annual Meeting on June 3-5 at the University of Surrey in historic Guildford, which is only 50 kilometers (around 31 miles) from London, United Kingdom. The university's Centre for Environmental Strategy and the meeting's director, Ragnar E. Löfstedt, also of the centre, are organizing the annual meeting on the theme "Risk in a Modern Society: Lessons from Europe."

Geneva Association, The Times Give Support. The International Association for the Study of Insurance Economics, also known as the Geneva Association, and *The (London) Times* are giving support to the meeting. The association will sponsor its 21st Annual Lecture at one of the meeting's plenary sessions. SRA Outstanding Service Award recipient and fellow Howard C. Kunreuther of the University of Pennsylvania will give the lecture. In addition, the week before the meeting *The (London) Times* Higher Education Supplement will publish and circulate 12 to 15 of the annual meeting papers, for which the authors will receive remuneration.

The annual meeting program will include four additional plenary sessions featuring such recognized speakers as SRA-Europe's Past President Detlef Müller of Procter and Gamble GmbH., SRA-Europe Executive Committee member Ortwin Renn of the Center of Technology Assessment in Baden-Württemberg, and SRA fellow Lennart Sjöberg of the Stockholm School of Economics' Center for Risk Research. The oral and poster presentations will be in four tracks: food, technology, and risk; industrial risk and insurance; risk communication; and new trends in risk management.

Pre-Meeting Workshops. On June 2, the following workshops will be offered for an additional fee:

Designing and Evaluating Risk Communication Brochures by Ann Bostrom of Georgia Institute of Technology, United States, and Ragnar Löfstedt, University of Surrey;

Integrated Exposure Analysis by Detlef Müller of Procter and Gamble GmbH., Germany, and David Tennant of Ministry of Agriculture, Fisheries, and Food, United Kingdom;

Risk Assessment and Risk Management: Lessons from the United States by Steven Lewis of Exxon Biomedical Sciences Inc. and Warner North of Decision Focus, United States;

Understanding Uncertainty and Its Influence on the Risk Perception Process by Brenda Nordenstam, State University of New York, United States.

The meeting's pre-registration deadline is March 14, after which registration fees will increase by 50 pounds (UK). For more information, contact the meeting administrator Jean Libaert at the University of Surrey, telephone (44) 1483 259047, fax (44) 1483 259394, e-mail j.libaert@surrey.ac.uk, or Ragnar Löfstedt, e-mail r.lofstedt@surrey.ac.uk, telephone (44) 1483-259096, fax (see Libaert).

SRA-Europe Note: In RISK newsletter's announcement of SRA-Europe Executive Committee members (Third Quarter, 1995), it should have been noted that committee member Vitaly Eremenko, who was elected to a two-year term in September 1994, has special responsibility for providing the committee with East-West information, based on his contacts with potential SRA-Europe members and chapters in the Commonwealth of Independent States (CIS) and their interactions within the European Community and Western Europe. His function also includes promoting SRA in the CIS. For information on SRA-Europe activities in the Russian Federation and CIS, contact Eremenko at the Russian Research Centre, "Kurchatovsky Institute" (RRC KI), Kurchatov plosch. 1, 123182 Moscow, Russian Federation, telephone (7) 095-196-9152, fax (7) 095-196-9830, e-mail eremenko@lms.kiae.su.

SRA-Japan: 1996 Meetings Scheduled

The Japan Section of the Society for Risk Analysis will hold its 1996 spring symposium and business meeting on June 28 at Tokyo University's San-zyou Memorial Hall. The theme of the symposium is "Risk Management in the Development of Social Capital Stock and Infrastructure."

On November 21-22, the section will hold its 1996 Annual Meeting at the Sumitomo Maritime & Fire Insurance Inc.'s Meeting Hall in Tokyo. Proposed themes for the meeting include ecological risk assessment and environmental audit.

1995 SRA Annual Meeting The 451 attendees at the 1995 SRA Annual Meeting, which the Japan Section cosponsored with SRA, included 56 from Japan. The section's past president, Dr. Eiji Yokoyama, retired director general of Japan's National Institute of Public Health, presented one of two opening plenary addresses, which RISK newsletter will summarize in its next issue.

In addition to a number of platform and poster sessions, the section sponsored three sessions on international problems: *Environmental Policy for Reducing Human Risk in Japan*, chaired by Saburo Ikeda of University of Tsukuba; *A Comparative Study of Risk Perception in Japan, France, and United States*, chaired by Paul Slovic of Decision Research and Hirotada Hirose of Tokyo Woman's Christian University; and *Risk Management and Crisis Management in Kobe Earthquake*, chaired by Tohru Morioka of Osaka University and Atsushi Takao of Kobe University.

The section requests feedback on these and other annual meeting sessions on international issues. Send comments to SRA-Japan Section Secretariat, c/o Saburo Ikeda, Institute of Socio-Economic Planning, University of Tsukuba, Tsukuba, Ibaraki 305, Japan, telephone (81) 298-53-5380, e-mail ikeda@shako.sk.tsukuba.ac.jp, fax (81) 298-55-3849.

U.S. Chapter News

Chicago Regional Chapter met December 11 at Argonne National Laboratory to plan the chapter's 1996 program, with 14 people attending. The chapter plans to meet bimonthly in 1996, beginning in January, at 7:00 on Monday evenings, with the meeting site alternating between a Chicago city-center location and Argonne. The chapter's goals are to increase membership and participation in chapter activities and to discuss risk topics relevant to problems in the Midwestern United States.

Lone Star Chapter has reactivated with a goal of extending chapter activities statewide by rotating quarterly meetings among clusters of SRA members located in Austin, College Station, Dallas/Ft. Worth, Houston, and San Antonio. The newly elected officers include President John A. Mikus of the University of Texas at Houston and President-elect Buena C. Robison of ERM-Southwest Inc. The chapter's other goals are to increase membership and communication among Texas SRA members.

Michigan Chapter held its fall meeting last October on "Risk and Regulations." The meeting provided the opportunity for dialogue on modifications to state requirements for remediation and the role of risk assessments in compliance with the Clean Air Act 112 rules. The spring meeting will examine the use of the Internet in risk issues. If members are interested, the chapter will hold regional workshops on specific applications on the Internet following the spring meeting. For more information, contact the chapter president, John L. Nelson of Ford Motor Company, e-mail usfmcmmv@ibmmail.com, telephone (313) 845-4588.

National Capital Area Chapter met last November. Jeanette A. Wiltse, deputy director of the U.S. Environmental Protection Agency's National Center for Environmental Assessment, spoke on the agency's Cancer Risk Assessment Guidelines. She reported that the agency would likely publish the guidelines by early 1997 and, before releasing them, plans to develop a policy to assist regional EPA risk managers in implementing them. Alwynelle S. Ahl,

U.S. Chapter Contacts

Chicago Regional: Tom Wolsko, interim president, (708) 252-3733, tdwolsko@anl.gov
Columbia-Cascades: Jim Dukelow, president, (509) 372-4074, js_dukelow@pnl.gov
East Tennessee: Joe Minarick, president, (423) 481-2117, minarickj@orvb.saic.com
Greater Pittsburgh: Gregg Claycamp, president, (412) 967-6524, hgc2@vms.cis.pitt.edu
Lone Star: John Mikus, president, (713) 266-1361, jamikus@aol.com
Metropolitan (CT-NJ-NY): Wayne Tusa, president, (212) 369-5400
Michigan: Joan Fassinger, secretary, (313) 556-7691, lnusgmb.dzzm5x@gmeds.com
National Capital Area: Cindy Jengeleski, president, (202) 833-2183, cjengeleski@aihnc.org
New England: Michael Hutcheson, president, (617) 292-5998, mhutcheson@state.ma.us
Northern California: Garrett Keating, secretary, (510) 422-0921, keating2@llnl.gov
Ohio: Ron Marnicio, president-elect, (614) 431-8700, ext. 215, ohio!columbus!comarnir@fwengtw.attmail.com
Philadelphia: Linda Burg, secretary, (215) 641-7482, rsylmb@rohmmaas.com
Research Triangle: David Kramer, president, (919) 558-1359, kramer@ciit.org
Rocky Mountain: Yvette Lowney, president, (303) 444-7270
Southern California: Larry Froebe, president, (714) 660-5464, itirvine@earthlink.net

director-designee of the U.S. Department of Agriculture's new Office of Risk Assessment and Cost-Benefit Analysis, spoke at the chapter's February 1 meeting.

New England Chapter will hold the next meeting of its monthly seminar series with the Boston Risk Assessment Group on February 14. The groups will host a poster display meeting on April 10 to provide a forum for members to display their work, which will not have to be polished or completed, and interact with their colleagues. The chapter newsletter has new editors, Chris L. Rioux and Millie Surette of Camp Dresser & McKee Inc., telephone (617) 252-8000, fax (617) 621-2565, or e-mail riouxcl@cdm.com or surette@cdm.com.

Ohio Chapter is planning two events this spring. A half-day symposium at 1:00 p.m. on February 21 at Wright State University will include presentations on establishing risk-based cleanup strategies for total petroleum hydrocarbons, the metabolism and toxicology of trichloroethylene (TCE), and possible revisions to the U.S. Environmental Protection Agency's Guidelines for Cancer Risk Assessment. In March or April, the chapter will hold a hands-on seminar/working session on Monte Carlo analysis and probabilistic tools and techniques. Contact the president-elect for more information (see box).

Philadelphia Chapter will hold the second meeting of its 1995-96 program year in February at the University of

Pennsylvania Faculty Club. The discussion will focus on the ongoing environmental debate from the U.S. Democratic Party's point of view. The chapter will hold its next meeting in April.

Research Triangle Chapter president David A. Kramer of Chemical Industry Institute of Toxicology spoke on "Bootstrap Estimation of Parameter Variance for a Simulation Model of Chemical Carcinogenesis" at the chapter meeting last November.

Rocky Mountain Chapter closed 1995 with a breakfast meeting featuring the chapter's founding president-elect Ralph W. Grover of Environomics Risk Group Ltd., who presented an update on Colorado legislation mandating risk cost-benefit analyses of air regulations, and Niels Schonbeck of Metropolitan State College of Denver, who spoke on his involvement on the Health Advisory Panel for the State of Colorado's dose reconstruction efforts at the Rocky Flats nuclear weapons plant.

Southern California Chapter invites SRA members to join them for their annual meeting and workshop on May 23 in Los Angeles. A major theme of the workshop will be "How To..." with sessions on useful risk assessment techniques. The chapter intends to compile a workshop proceedings document for limited distribution at the 1996 SRA Annual Meeting in New Orleans. For more information, visit the chapter's World Wide Web page (<http://users.aol.com/scsra>), or contact the chapter president (see box).

Advertisements

ENVIRONMENTAL SCIENTIST

Rohm and Haas Company, a leading chemical producer serving global markets, has an immediate opening for an environmental scientist with experience in Fate, Ecotoxicology, EcoRisk Assessment and Modeling. This position is in our Toxicology Department at our Corporate Research Center in Spring House, PA, near Philadelphia.

We are looking for a scientist to provide environmental regulatory support to our businesses for compliance with FIFRA, TSCA and other federal environmental law, EC Directives, and so forth. Responsibilities include:

- The design, coordination, monitoring and review of environmental toxicology and fate studies — all matrices
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- Interaction with various Corporate Safety, Health and Environmental (SH&E) and Product Integrity (PI) staff

The successful candidate will have a Ph.D. degree in Environmental Toxicology, Environmental Modeling, Environmental Chemistry and Fate, or a related biological or chemical discipline. This scientist will also have broad skills in environmental chemistry, fate and toxicology, as well as risk assessment. Superior computational skills and effective oral and written presentation skills are also required.

Rohm and Haas offers a highly competitive salary and benefits program, including relocation assistance. We invest heavily in research and in resources to develop our Research staff. Candidates must be legally qualified to hold regular employment in the U.S. For consideration, please forward your resume or C.V., including publication list and references to: **Corporate Staffing #196, Rohm and Haas Research Laboratories B-70, 727 Norristown Road, Spring House, PA 19477-0904.**



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We changed our name from *Riskwatch* (as advertised in the last newsletter) to *RiskWorld*. If you haven't visited us, do so now!

Thanks to the interest shown by visitors to our exhibit at the 1995 SRA Annual Meeting, we are even more enthusiastic about our new electronic publication on risk-related topics. Send us your contributions to the current departments and look for imminent additions of new departments and news stories. (*RiskWorld* is a publication of Tec-Com Inc., Knoxville, Tennessee, USA.)

Position Wanted: Senior USEPA risk assessment scientist seeks position in the Raleigh-Durham, North Carolina, area. Candidate holds MS in marine science and PhD in biology, with concentrations in toxicology, statistics, and physiological ecology. He has eight years experience writing and reviewing complex risk assessments for the Superfund and RCRA programs. Candidate possesses strong writing and speaking skills. His recently published papers include Monte Carlo simulation of risk, rapid screening-level risk assessment, and improving the interface between risk assessment and risk management. He frequently speaks on risk-related topics to scientists, industry groups, regulatory officials, and the public. Candidate is looking for a position that will fully utilize his skills and experience to support reasonable and effective risk management decisions. Contact Roy L. Smith by e-mail JRLSmith@net-gate.com or telephone (609) 424-9583 (evenings).

Advertisements

Environmental Risk Assessor

Foster Wheeler Environmental Corporation, a full service environmental company, has an opportunity immediately available at our Atlanta, Georgia, operations for an Environmental Risk Assessor with the following abilities and qualifications to provide technical leadership to local and regional staff.

MS in Science (PhD desirable). Preferred scientific fields: chemistry, biology, public health, toxicology. Minimum five years experience in health risk assessment, project management, business development, personnel management. Qualified candidates should have very good verbal and written communication skills and the ability to interact effectively with clients.

We offer a competitive salary, a comprehensive benefit package, and potential for advancement. Interested candidates should send their resume, including salary history, and requirements via fax (770) 825-7262 to Human Resources Dept., Foster Wheeler Environmental Corporation. No agency referrals, please.

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Exposure/Risk Assessment Scientist

NCASI is currently seeking an experienced scientist/engineer with demonstrated skills in the fields of Exposure Modeling and Ecological Risk Assessment to establish in-house capabilities within an industry funded environmental research organization. Initial research will involve the review and application of existing exposure models and the development of an original exposure model to evaluate the potential ecosystem and human health impact associated with paper industry emissions. The ideal candidate should have a minimum of five years experience, possess an advanced degree in an appropriate discipline, and be familiar with the development and use of chemical exposure models and fugacity based food web models. Candidates should also have a knowledge of biostatistics and a basic understanding of human health databases. Strong writing and analytical skills are essential.

The National Council for Air & Stream Improvement, Inc. (NCASI) is a non-profit technical research organization which addresses environmental and health effects concerns of the U.S. forest products industry. This position will be filled at the NCASI Northeast Regional Center located on the Tufts University campus in Medford, MA. Send resume to: NCASI, P.O. Box 53015, Medford, MA 02153. NCASI is an equal opportunity/affirmative action employer.

Two Summer Institute Courses Offered

May 13-17, 1996: *Summer Institute in Risk Management in Environmental Health and Protection (including Quantitative Risk Assessment).* **May 20-24, 1996:** *Summer Institute in Environmental Law.* For more information, contact: Prof. R. Zimmerman, Wagner Graduate School of Public Service, New York University, 4 Washington Square North, New York, NY 10003, telephone (212) 998-7432 or (212) 998-7450, fax (212) 995-3890. For graduate credit or non-credit certificate.

Senior Risk Assessor

Atlantic Environmental Services Inc. of Colchester, Connecticut, is currently seeking a mid to senior-level Risk Assessor.

5+ years of consulting experience including background in PAH contamination and human health risk assessment. Excellent writing skills. Travel is required.

We specialize in providing environmental investigative and engineering services, primarily with respect to waste disposal and contaminated lands management for gas and electric utilities and have earned national and international recognition in resolving environmental issues associated with former manufactured gas plant (MGP) sites.

Atlantic offers a comprehensive benefits package. Please forward resume to Director of Human Resources, Atlantic Environmental Services Inc., P.O. Box 297, Colchester, CT 06415 or fax to (860) 537-6347. EOE/H/V/M/F

New Position

Executive Director

Risk Sciences and Public Policy Institute

Johns Hopkins School of Public Health

Immediate faculty opening for Executive Director of new Institute. Working with Co-Directors, the Executive Director will initiate and manage activities of this School-wide program with components in education, research and consultation. S/he will coordinate a multi-disciplinary faculty; develop graduate/postgraduate programs; coordinate classes, seminars, symposia; and identify funding opportunities. S/he will initiate and collaborate in research. Faculty rank, tenure status commensurate with qualifications.

Qualifications: A doctoral degree in a relevant area of science of public policy, minimum of five years experience related to risk assessment, excellent (written and oral) communication skills and a strong publications record. Prefer experience in policy-related positions and fund-raising. Applicants should send curriculum vitae and names and addresses of three references to:

Jonathan M. Samet, M.D., M.S.

Thomas A. Burke, Ph.D., M.P.H.

Co-Directors, Risk Sciences And Public Policy Institute

Johns Hopkins School of Public Health

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Note: To publish an advertisement in RISK newsletter, contact Katie Ingersoll at telephone (423) 691-0176, fax (423) 691-0229, or e-mail ingersol@usit.net.



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Katie Ingersoll, *Production Manager*

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Newsletter Contributions: Send to Editor, RISK newsletter, Tec-Com Inc., 1303 Wilson Road, Knoxville, TN 37912; office numbers: Mary Bryant, telephone (423) 689-5315, fax (423) 688-9888, e-mail bryant@usit.net; Lorraine Abbott, Amy Reed, and Katie Ingersoll, telephone (423) 691-0176, fax (423) 691-0229, e-mail abbott@usit.net

PSAM-III To Begin June 24

The International Association for Probabilistic Safety Assessment and Management's PSAM-III conference, which will convene with the European Safety and Reliability Association's ESREL '96 conference on June 24-28 in Crete, Greece, has attracted more than 500 abstracts—a record number. The joint conference, for which the Society for Risk Analysis is a cosponsor, will present innovative methods and relevant applications of system-based approaches to improve the design and operation of technological systems and processes from the economic and safety points of view.

The conference site is the Capsis Beach Resort Hotel and Conference Centre in the picturesque Aghia Pelaghia region. Because Crete is a popular resort center and the end of June is in the peak tourist season, the hotel will guarantee conference rates and room availability only if reservations are made by March 31.

The preliminary program is available and includes information on ordering the conference proceedings. (Participants will receive a copy of the proceedings included in their registration fee.) For general conference information, send a request to fax (30) 1-654-0926; or contact the conference's general program chair, Ioannis A. Papazoglou of the National Center for Scientific Research "DEMOKRITOS" in Greece, telephone (30) 1-654-8415, fax (30) 1-653-3431, e-mail yannisp@cyclades.nrps.ariadne-t.gr; or contact the Technical Program Committee chair, P. Carlo Cacciabue of the European Commission Joint Research Centre in Italy, e-mail pietro.cacciabue@jrc.it, telephone (39) 332-789869, fax (39) 332-785813.

Important Notice from Newsletter Staff: On February 26, the transition of our telephone area code 615 to 423 will be complete and 615 will no longer be operable. If you are unable to reach us, please check to verify that your own telephone company has accommodated the transition.—LSA

Stories to be included in the second quarter 1996 issue of RISK newsletter: Summaries of the 1995 Annual Meeting plenary addresses of Professor M. Granger Morgan and Dr. Eiji Yokoyama; report on the annual meeting plenary session on impact of regulatory reform legislation; introduction of 1995 SRA fellows; and announcement of 1995 student awardees.

Announcement: The next meeting of the SRA Council will be on April 26.

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