

SRA COUNCIL MEETING

Baltimore, Maryland

26 April 1996

Present: John Graham, Rae Zimmerman, Elisabeth Paté-Cornell, Paul Price, Gary Flamm, Caron Chess, Gail Chamley, Yacov Haimes, Annie Jarabek, Charles Menzie, Robert Mulvihill, Thomas McKone (via telephone), Richard Burk, Brett Burk, Ann Landis

President

President Graham called the meeting to order, and quorum was established.

Approval of Minutes

The Minutes of 3 Dec. 1995 and 5 Dec. 1995 were accepted.

Officer Reports

President Report

Annual Meetings

President Graham reported that the 1997 Annual Meeting is planned to take place in Washington, DC from 6-10 December and 1998 in either San Antonio, TX or Scottsdale, AZ. Richard Burk noted that Scottsdale is more expensive than San Antonio. The Council agreed to Scottsdale as first choice and San Antonio second. As discussed in Hawaii, the 2000 meeting will be in Europe and 2001 will be back in Washington, DC. The Executive Committee recommended the 1999 meeting be held on the west coast. Some proposed locations are:

- San Diego
- San Francisco (previous successful venue)
- Santa Barbara (second plane connection required)
- Orange County (50 miles north of San Diego, easy to fly in and out of, low cost)

Discussion regarding the European Meeting in 2000 followed. The December weather must be considered when choosing the venue. Rome (great weather), Athens, Vienna, Madrid, Barcelona, Oslo and Lisbon were all mentioned. Rome and Athens were chosen as the top two venue choices. President Graham would like to place a notice in the Newsletter to start advertising for the meeting.

President Graham would like the Europe 2000 Meeting planning to get underway immediately. He has asked Elisabeth Paté-Cornell to begin a list of the various groups, in addition to SRA-Europe, that SRA should collaborate with to make this meeting a success. Some suggestions were; ESRA, SETEC-Europe, WHO/FAO. She will also look into Toxicology and food safety organizations. President Graham will contact John Herman from the Pesticide Residue Group who should be able to recommend other toxicology groups.

Motion made to designate the Executive Committee as the Millennium Planning Committee until the 1996 Annual Meeting when an official committee will be established. (Elisabeth Paté-Cornell/Yacov Haimes) - Passed unanimously.

Advisory Board

The Advisory Board; Paul Deisler, Bill Farland, Ann Fisher and John Garrick submitted a report to the Executive Committee. From this report, President Graham has pulled nine "nuggets" to be considered by the Council.

1. *Establish an annual prize for the best interdisciplinary paper in the journal.*
The Advisory Board is concerned that the new journal structure (3 area editors) may reduce the interdisciplinary research papers.
2. *Make clear that the new editorial structure has a clear submission path for interdisciplinary paper.*
3. *Encourage new area editors to elicit paper from neglected fields.*
4. *Encourage Betty Anderson to launch several symposia per year with sole or primary SRA sponsorship.*
5. *Provide financial arrangement to organizers that encourage symposia to be sponsored by SRA rather than other organizations.*
6. *Consider requiring all local members to join SRA.*
The Council feels this is not necessary, but will continue to make sure all Chapter officers are national members.
7. *Establish mechanism to systematically evaluate performance of specialty groups with periodic reporting to Council.*
Robert Mulvihill will be in contact with each specialty group to get a feel for how things are going for them.
8. *Encourage SRA Historian to complete first draft of history by Spring Council meeting.*
9. *Consider whether SRA should solicit individual philanthropic gifts to SRA.*

Past-President Report

New Journal Structure

Elisabeth Pate-Cornell reviewed the new journal structure for the Council. \$5,000 has been earmarked for each of the three new Journal area editors. This will be adjusted after the first year depending on activity and need. The Editor (Curtis Travis) is not currently asking for any financial support.

The new area editors will begin no later than January 1997. The new Editor-in-Chief is expected to be chosen by the Spring meeting in 1998, to begin working in January 1999. Rather than obligate the area editors to a five year term, Paul Price suggested offering a 3, 4, or 5 year option. This would help eliminate the possibility of the area editors rotating off in the same year.

A budget will be required for the transfer of files from Curtis Travis to each of the area editors. Also, the submission procedure will need to be rewritten for the page in the Journal to include instructions that submittals should be forwarded directly to the appropriate area editor, and interdisciplinary and policy papers are to be directed to the Editor-in-Chief. Elisabeth Paté-Cornell will outline the procedure in detail for the Journal.

The Publications Committee has narrowed the choices for area editors to the following:

Environmental/Health/Ecological Risk Assessment

1. Tom McKone
2. Paul Diesler
3. John Evans

Engineering

1. Vicki Bier
2. Mitchell Small
3. Ali Mosleh

Social Sciences and Decision Making

1. Ann Fisher
2. Howard Kunreuther
3. Baruch Fischhoff

Discussion regarding each candidate followed, and it was decided that Elisabeth Paté-Cornell would contact them in the order the Council recommended until she was able to fill each position. A special announcement will be made at the Business Meeting in December naming the new area editors.

Motion made for Elisabeth Paté-Cornell to contact the area editor candidates per the Council ranking until one has accepted in each area. The area editors will be in place by January 1997, and expenses are authorized for travel to Curtis Travis' office for division of files, plus \$5,000 authorization for expenses per area for the first year, with adjustments made each year thereafter. (Y. Haimen/R. Zimmerman) Motion passed unanimously.

Rae Zimmerman thinks it will be important for the area editors to be in close communication with each other in addition to the Editor-in-Chief. This will ensure that papers are directed to the appropriate area editor. This should be expressed to them from the onset.

President Graham suggested that each area editor be asked to attend the 1996 Annual Meeting to meet with each other and the Council. One topic for discussion raised by the Advisory Board is that several areas are not getting covered extensively in the Journal (i.e. Engineering, Nuclear Power, and Economics).

Concern was expressed about the function of the editorial board members listed in the Journal. It was decided that this topic should be brought up after the new area editors are in place. The area editors will have the authority to bring in reviewers as needed.

Strategic Planning

The information gathered at the Hawaii strategic planning meeting will be provided to the Advisory Board. They will in turn report back to the Executive Committee, who will report to the Council. The goal will be to list objectives and actionable items.

Treasurer Report

Financial Presentation

The cash balances were handed out as page 15 of the Council packet. It shows that so far, 1996 is on track.

The 1995 audit is in process. Paul Price will send out a report to the Council after the audited figures have been reported. Among other things, it will show that there was a profit from the Hawaii Annual Meeting, but not the anticipated 30K. For the first time, no workshop at the Annual Meeting lost money. We will strive for this every year.

Yacov Haimen is concerned that progress is not being made towards having one year's funding in reserve. It was requested that the finance committee detail recommendations as to how this could be done. This report should include non-binding projections for 1998 and 1999, and will hopefully be ready for the September Executive Committee Meeting. The report would go out to the entire council at that time.

Membership has increased by 300 over the last year despite the dues increase. A membership report will be provided at the Annual Meeting in New Orleans. To keep this increase going, the President would like to once again have index cards available at the Annual meeting for membership recommendations from the participants. Charles Menzie suggested that each Chapter provide a mailing list of their non-national members so these people can be invited to join.

President Graham reported that the Distributions Project has made great progress, and is anticipated to break even. The EPA Workshop agreement is on permanent hold due to budgetary problems.

President-Elect Report

Program Committee

Rae Zimmerman will conduct the Program Committee meeting on 21 June to organize abstracts and put the program together. At least one representative from each specialty group will be present. Rae Zimmerman encouraged the Council to participate if possible, even though financial assistance would not be available to them.

The symposium submission form will be produced by Rae Zimmerman and mailed to interested people. She would like to include instructions. Annie Jarabek added that each person submitting a symposium

should have to include an objective in abstract form. This would assist in the organization of the papers by the Program committee, and make it easy to add papers as necessary.

Caron Chess suggested that Policy be a major issue in the Annual Meeting. Last year Gail Charnley organized a plenary session for the Meeting that was timely and well received. This year there is already a track called Risk Management and Decision Making Regulatory Policy. A symposium or Plenary Session on Policy could also be added. Caron Chess added that there are two reports coming out this year, the Risk Characterization Report from the National Academy, and the President's Commission Report on Risk. Rae Zimmerman requested that a volunteer or two put this together, and she'll work it into the Program.

The Program committee consists of representatives from each of the 5 Specialty Groups, also Robin Cantor, Jim Wilson, Gail Charnley, Barbara Petersen, Tom McKone, Alan Stern, and Michael Gerrard. Mark Van Veen from the Netherlands will be in the area and would like to participate in the Meeting. He is a member of both SRA and ISEA and will add a fresh perspective. Rae Zimmerman is trying to get local people to keep the travel budget down. The abstract and symposium form have been requested electronically, and Brett Burk will take care of that.

Action Item Review

Regarding the proposed Speakers Bureau, Annie Jarabek and Charles Menzie will write a proposal with budget. They will try to have this proposal ready by the September Executive Committee Meeting, so that the Council will be able to vote on the proposal in December.

Committee Reports

Awards

Motion made to nominate only three Fellows each year; the past-president and two others. (E. Paté-Cornell/C. Chess) Passed unanimously.

There was a recommendation to change the composition of the Awards Committee to include people other than past presidents. This would require a bylaws change, and President Graham will make sure this is on the agenda in December. President Graham asked that each Council member talk to other members of the Society to get their input.

Chapter/Section Report

Charles Menzie reported that a draft Mission Statement for Chapters has been developed. His detailed report is included in the Council Packet. Caron Chess asked that the President of each Chapter be placed on a list server to encourage communication. A concern was raised that all Chapter Officers may not be members of the national group. This is already being worked on. The Advisory Board has recommended that all local chapter members be required to be national members. The Council does not support mandating that each local member be a national member, however these members could be encouraged to do so. President Graham will convey this message back to the Advisory board.

Charles Menzie will distribute the draft Mission Statement to all Chapter Presidents for comments, and it will be voted on in December.

Motion made to accept the Chapter being formed in Canadian, provided that the proper paperwork is submitted. (C. Menzie/R. Zimmerman) Passed unanimously.

There is a new Chapter in the UK.

Specialty Group Committee

Robert Mulvihill reported that Ali Mosleh, the new Chair of the Engineering Specialty Group, has received support from the University of Maryland Engineering Department.

President Graham stated that the Advisory Board has expressed an interest in developing a method of evaluating the performance of the Specialty Groups. A mechanism does not currently exist. The intention would be to help invigorate inactive groups, encourage communication between the group and the Society to avoid fragmentation and to share ideas between specialty groups.

President Graham suggested that rather than "evaluating" the Specialty Groups, that Robert Mulvihill should survey the Specialty Groups between now and the Annual Meeting to get their input as to what experiences they have found beneficial, what areas assistance is needed, etc. Caron Chess added that the Web page will be a great form of communication between the specialty groups.

Web Page

Brett Burk made a proposal in Hawaii. At that time a committee was formed to examine the electronic communication topic. Now is the time for getting people in motion by obtaining volunteers. Brett Burk added that there is a lot of information to be placed on the page, but approval of the proposal is needed. Five thousand dollars is the proposed cost for the set-up and maintenance of the page for a year.

Paul Price noted that one person to needed to take the lead. Elisabeth Paté-Cornell asked if there is going to be duplication of what Lorraine Abbott is doing on *RiskAnal*. Brett Burk added that Lorraine has asked to be involved in the planning of the new Web page, so cooperation between the two sites has been arranged. Currently there is not an approved budget for the Web page for the 1996 year. The \$5,000 would pay the hired company to set up and convert all material for inclusion on the Web page.

Caron Chess suggested that member volunteers could provide this service for less than the proposed \$5,000. Another option is to approach Lorraine Abbott as a contractor to determine if she would administer the SRA page in addition to her own for less than the \$5,000 already proposed.

Motion made to allocate \$3,000 for the Web Page. The Executive Committee is to contact Lorraine Abbott to determine if she will develop and manage the SRA Web Page for this amount. In addition, a call for personnel will go out on the existing list server in case Lorraine cannot manage it within 3 months. If Lorraine is unable to do this for \$3,000, the existing proposal of \$5,000 is approved. (C. Chess/R. Zimmerman) Yacov Haimes abstains, all others accept.

Brett Burk will contact Lorraine Abbott. Paul Price and Caron Chess will be the contact people to help organize the Electronic Media Management Committee.

Grants Management

Paul Price, Robert Tardiff, Richard Burk and Yacov Haimés comprise the committee. They have developed procedures for grants management to ensure all grants and contracts are properly developed and conducted in compliance with technical, procedural, and financial SRA guidelines.

After the committee receives and reviews a proposal, it will go to the Council for final approval. The Council can override the Committee at any time. Caron Chess would like to add quality content language.

Motion made to approve the Grants Management procedures document provided a statement about quality control is added. (Y. Haimés/C. Chess) Passed unanimously.

Yacov Haimés recommended the development of a procedural binder for council members, to be updated on a yearly basis. The binder will include all procedures already approved and will be continually added to as new procedures are developed. The action items will be maintained and added to the binder each year. A section on institutional memory will be added. Richard Burk was asked to begin work on procedures that do not already exist.

Motion made to assemble all approved procedures for a standard operating procedures binder. (Y. Haimés/E. Paté-Cornell) Passed unanimously.

Paul Locke joined the Council to discuss the proposed Specialty Group on Risk Science and Law. He passed out an application that he and Wayne Roth-Nelson put together with 23 names of interested individuals. He asked for official recognition of the group, and asked that he be allowed to work with the program committee to organize a symposia at the Annual Meeting.

The objectives of the group are to examine and clarify the interface between law and risk science. They considered this a technical group, and wish to foster dialogue between people who are involved in risk science and law as disciplines. They wish to sponsor interdisciplinary forums and facilitate interdisciplinary problem solving.

Three important aspects of the group:

1. They plan to include litigation, legislation and regulation, and how risk science is involved in those areas - and how those areas may effect risk science
2. They plan to actively engage both Lawyers and Scientists, they have a good interdisciplinary foundation already
3. The group will focus on technical and interdisciplinary issues rather than policy issues.

Rae Zimmerman introduced herself as the program chair for 1996, and mentioned that she had been working with Michael Gerrard, an attorney with Arnold and Porter who has already sent out about 40 letters soliciting papers regarding law. He will be the point person on the program committee this year.

She recommended Paul get in touch with him regarding the Annual Meeting. President Graham recommended that Wayne or Paul join the program committee meeting on June 21st. Rae Zimmerman will let him know the details.

Yacov Haimen asked how SRA membership would benefit from the proposed specialty group. Paul Locke pointed out that risk assessment is inherently disciplinary and feels that law should be one of the these disciplines, since legal actions are looking more and more to risk assessment. Yacov Haimen encouraged Paul Locke to contact the Chair of the Conference and Workshop Committee, Betty Anderson, to discuss the possibility of a future workshop to benefit the SRA membership.

Paul Price is supportive of the formation of the Specialty Group, but is concerned that some overlap may exists if they focus on legal issues both in litigation and regulatory arenas. President Graham feels that there indeed may be some overlap involved but sees no problem with that. He suggests that the focus of the specialty group should be clearly stated in the Newsletter so that everyone will understand their perspective and objectives.

The Food Safety Specialty Group presented 90 signatures of interested people.

Rae Zimmerman pointed out that these new specialty groups add appeal to SRA and will enhance membership.

Motion made to accept Risk Science and Law and Food Safety Specialty Groups. (G. Charnley/R. Zimmerman) Passed unanimously.

Elisabeth Paté-Cornell introduced Ali Mosleh from the University of Maryland. He recently took over for Robert Mulvihill as President of the Engineering Specialty Group. The faculty and dean of his engineering department at University of Maryland are enthusiastic about his new position. He is currently busy soliciting papers for the Annual Meeting.

Membership

Based on the recent membership survey that pinpointed the Journal as one of the major benefits of membership, Caron Chess feels that we can increase membership by promoting the Journal. One way to increase circulation and thus membership would be to offer the journal to other societies at a slightly reduced rate, much like the offer *Risk Health and Environment* offered to SRA Members. Richard Burk will write a proposal for this and send it to Annie Jarabek and Tom McKone. They will present this idea to ISEA and the Society of Toxicology.

Caron Chess would like to know if we should have a membership meeting at each annual meeting. She feels that the Web page may be sufficient for members to voice their opinions. Rae Zimmerman thinks that a face to face meeting is desirable for the Membership to be heard, and she will designate several Councilors (rather than all of them) to attend the meeting.

Curriculum Development

Annie Jarabek has a draft proposal on Curriculum Development that is currently out to the Committee Members for review. She will send this to the Councilors as soon as the Committee is finished with the review.

Miscellaneous

Gail Charnley will contact Paul Deisler about the Advisory Board recommendation that SRA create position papers.

Adjourn: 2:45 p.m.

**Society for Risk Analysis
Council Meeting Minutes
8 December 1996
New Orleans, Louisiana**

Council Members Present: David Burmaster, Robin Cantor, Gail Charnley, William Farland, Gary Flamm, John Graham, Yacov Haimés, Annie Jarabek, Tom McKone, Charles Menzie, Robert Mulvihill, Paul Price, and Rae Zimmerman

Council Members Absent: Elisabeth Paté-Cornell

Others Present: Brett Burk, Richard Burk, Ann Landis, Ragnar Lofstedt, and Jim Wilson

Call to Order

President John Graham called the meeting to order, established that a quorum was present, and the Council accepted the agenda.

The minutes of 26 April were reviewed. Caron Chess made a correction on page four to read "There is concern regarding the editorial board's level of activity". President Graham feels the editorial board's activity does need to be considered and noted that the three area editors and the editor-in-chief will address this issue.

***MOTION MADE TO ACCEPT THE MARCH BOARD OF DIRECTORS MINUTES.
(Y HAIMES/C. CHESS) PASSED UNANIMOUSLY.***

Schedule for the Week

Richard Burk reviewed the schedule for the week. A. Jarabek noted that some of the Fellows had not been invited to the President's reception. R. Burk stated that it is not customary to invite all the Fellows due to their large number.

President's Report

President Graham passed out a list of risk journals. In an attempt to increase services to SRA members, President Graham would like to negotiate discounted purchase rates with some or all of the journals listed. If the Council agrees to pursue this, a discounted rate for the journal of *Risk Health Safety and the Environment* has been offered. President Graham hopes that this process will lead to increased membership by showing the risk community that SRA is interested in the broader field. Discussion followed as to whether the Council should continue this effort, and if so, for which journals. Some felt that only reputable peer reviewed journals that SRA felt comfortable endorsing should be

contacted, while others felt that as a service to the membership, SRA should offer as many as possible without endorsing any of them, leaving that decision to the individual members. Regardless, it was agreed that the SRA Journal should remain the primary journal. Reciprocity will not be offered. After the Council decides what they want to do, the publisher will be contacted.

Y. Haimen proposed a motion. "Whereas the Journal for Risk Analysis is the flagship of SRA and whereas many of our members become members because of the journal, be it resolved that the journal of SRA remain the only journal of SRA and that the journal only be made available to SRA members". President Graham asked that everyone consider this motion, and it shall be revisited at the Tuesday Council Meeting.

The journals listed that are not associated with a society are: *Human and Ecological Risk Assessment*, *Journal of Exposure Analysis, Risk Health Safety and Environment and Regulation Toxicology*. It was suggested that only these journals be approached. After further discussion, it was decided that SRA would promote (not endorse) the *Journal of Risk and Uncertainty* to our members for a 10% discount, and complete this discussion at the 10 December Council Meeting.

President-Elect Report

Rae Zimmerman was acknowledged for the fine program that was put together. On the recommendation of C. Chess, she has prepared a report that highlights her activities as Annual Meetings Chair over the last year. She will provide this to Yacov Haimen to assist him in his duties next year. C. Chess thought it would be useful if each Council member rotating off would write a one page report to enhance SRA's institutional memory. This is also a recommendation of the Advisory Board. It is felt that this would be a good addition to the SOP Notebook that is currently being developed.

R. Zimmerman presented highlights of her report. Registration for the 1996 meeting was much higher than last year (over 600 pre-registered), and abstract submissions continue to increase every year.

R. Zimmerman suggested that SRA make an effort to elevate the status of Poster Sessions. Two suggestions made to accomplish this were to have several of the senior researchers prepare posters instead of oral presentations, and to present awards for the best posters. At a meeting she recently attended, R. Zimmerman prepared a poster and found that she enjoyed the interaction very much. President Graham recommended that each of the Council members spend time in this year's poster sessions to encourage participation. It was also suggested that the poster sessions be organized in the social or break areas. Annie Jarabek pointed out that the Program Committee arranged a poster platform session, modeled from the Society of Toxicology. There will be 10 posters in one room, and each presenter will be given 5 minutes to summarize their poster for the group. She feels this will be effective in elevating the status of posters.

The Program Committee did not have enough space in the hotel to accept all the submitted papers. For future meetings, SRA will either have to increase the space requirement, or direct the Program Committee to be more selective. C. Chess pointed out the many meeting participants are funded only if they are presenting. Becoming more selective could decrease participation in the meeting and thus decrease new Society membership.

A roundtable with local presence was organized and chaired by Robin Cantor. This idea was recommended to the Council by the Advisory Board. Also, the Program Committee encouraged symposia at this conference, and this proved to be beneficial in the pre-organization of the meeting. The organizers do need to be advised that the Committee may have to add papers as needed. The topical areas included the specialty groups and risk management (which received the highest number of abstracts).

R. Zimmerman recommended that in the future SRA fund students and special attendees to attend the annual conference. She feels the Gifts and Grants Committee's scope could be expanded to include raising money for this purpose. It was noted that SRA received sponsorship from one company, but had to return the funds because there was no process for selecting a student recipient. R. Zimmerman feels that many companies who would not otherwise support SRA projects, would be sympathetic to student needs.

Concerning the joint nature of the meeting, she found that ISEA and SRA worked well together. The Council will need to decide if this collaborative effort should be continued.

R. Zimmerman feels that SRA conferences could be enhanced by increased marketing efforts. Efforts this year included (1) advertising in approximately one dozen newsletters free of charge, and (2) Michael Gerrard (involved in the Law Specialty group) sent out a message via email to all environmental attorneys encouraging their submission of papers for the meeting. This type of marketing could be broadened to include the other specialty areas. R. Zimmerman recommends that increased marketing be a high priority in 1997. Ragnar Lofstedt added that SRA needs to start advertising in Europe, as it is not very well known there. SRA-Europe and SRA should collaborate, and he volunteered to assist in this collaboration. For example, he could bring marketing information to the January Council Meeting in London, and SRA-Europe could target a few appropriate Societies. C. Chess also recommended that letters of invitation be sent to people in the geographic area of the meeting.

Annie Jarabek reported that many people have requested the acceptance of electronic abstract submissions. Brett Burk noted that many groups add this feature to their web page, and that SRA could as well, since its web page will be functioning soon.

Y. Haimes led the group in thanking R. Zimmerman for her excellent work as Program Chair. On behalf of ISEA, T. McKone also thanked her for her work. He reported that

ISEA felt like an integral part of the meeting. This collaborative effort has proven to be far more successful than their previous collaboration.

Treasurer's Report

Paul Price reviewed the financial status of SRA as shown in his financial reports. In 1995 there was a modest loss (\$36,000) in assets. The 1996 Fourth Quarter Newsletter article was handed out to explain this situation. The major contributing factors to this loss were:

- the high cost of holding the Annual Meeting in Hawaii
- loss of attendees (even lower than anticipated)
- overestimation of net profits for annual meeting (\$40,000 budgeted, actual gain of \$2,000)
- loss of profits for not holding a midyear workshop in 1995, which is usually a gain of approximately \$10,000
- printing the directory twice in the 1995 year - increased expenses by \$7,000
- unanticipated increased activities of committees- conference calls, mailings, etc.

P. Price pointed out that the loss was really a revenue loss.

When it was decided that the annual meeting would be held in Hawaii, it was understood that SRA would probably break even or even experience a loss. Having the meeting in Hawaii increased participation of many senior members who would have otherwise not attended, and more importantly served as an outreach to SRA-Japan. The major benefit was increased Japanese participation and membership.

As a related issue, the European Meeting was discussed at this point. It was suggested that SRA either budget for a loss or find a way to raise money for the 1st International Congress. If SRA coordinates with other groups to minimize risk and share profits & expenses, it may be feasible. Y. Haimes feels the Society has a responsibility of increasing its income in order to have one year's budget in reserve. One idea was to have half the conference in Europe and the other half in US. After further discussion it was agreed that even if the Annual Meetings were held at high profit venues for the next few years, enough money could not be saved to finance the Congress.

P. Price anticipates a profit in 1996 of approximately \$40,000. Subscriptions and dues are already higher than budgeted. Annual Meeting revenue will probably be as much or more than budgeted.

The new journal structure will have financial impact in 1997. As editor-in-chief, Curtis Travis will receive a \$2,000 stipend plus \$5,000 for direct costs. Oak Ridge National Lab will no longer be supporting his efforts. The three area editors will receive \$5,000 each in 1997 for anticipated expenses.

Projects Update:

The Residential Exposure Assessment Project (joint with ISEA) has been ongoing for the past 3 years, and is 75-85% complete. A surplus of funds is anticipated from this project. One manuscript is the anticipated product.

The Developing Distributions Project was started two years ago. D. Burmaster reported that a complete draft of the manuscript has been finished. Chris Frey and Alison Cullen, the lead authors, have not been paid in the last year. P. Price reported that \$117K was originally budgeted, but only \$95K was raised. Discussion followed as to which obligations should be met first, and when the project should be completed. It was decided that Treasurer Price would lead the negotiations as far as completion of the project and payment for services.

MOTION MADE FOR THE TREASURER TO NEGOTIATE WITH THE AUTHORS REGARDING COMPLETION OF THE PROJECT WITHIN BUDGET, AND WITHIN A REASONABLE AMOUNT OF TIME. ADDITIONAL MONEY WITHIN THE BUDGET WILL BE GIVEN TO THE AUTHORS UPON THE COMPLETION OF THE MANUSCRIPT (Y. HAIMES/C. CHESS). MOTION PASSED.

Executive Secretary

Teller's Report

Richard Burk reported the following election results.

President-Elect:	Yacov Y. Haimes
Treasurer:	Paul Price
Councilors:	Robin Cantor
	William Farland
	H. Christopher Frey

He also reported that the SOP's and protocols are coming together with the assistance of Y. Haimes.

R. Burk reported that the cost of obtaining Society mailing labels has been increased and should increase Society revenue by approximately \$7-10,000 per year.

The action items list was included in the Council supplemental materials. The Council was asked to review this list of responsibilities.

The membership report was passed out and discussed.

Committee Reports

ad hoc Public Policy Committee

Gail Charnley provided a written report on the proposed mission, activities and structure for the ad hoc Committee on Public Policy. To ensure that all disciplines were represented on the public policy ad hoc committee, she composed the committee of the specialty group chairs. When issues arise that need attention, the chair of the policy committee could activate the appropriate specialty group chair to get involved. Since it is not the policy of SRA to take positions, the goals would be to provide information on the various views of a given issue. If the structure and mission statement are in keeping with the Council's intentions, she would like to start approaching the 105th Congress soon. She confirmed that SRA would not be proposing language, and that representatives would clearly state that ideas presented were their own opinions rather than the opinions of SRA.

The vehicle SRA will use to convey knowledge needs to be determined as well as budgeted for. In 1996, six Breakfast Briefings were held with a range of attendees from 6 to 30. One large multidisciplinary session was suggested, with smaller, more specific sessions to follow-up. It was suggested that opposing view points be presented at these sessions. Further discussion will be held at the next Council meeting.

Advisory Board

The Advisory Board is currently Chaired by Paul Deisler, and also includes John Garrick, Catherine St. Hilaire, Ann Fisher, William Farland and Lawrence Barnthouse. They have prepared and provided a long range strategic plan document for the Council's consideration. The Board requested that the Council organize a session at the Spring meeting to review each action item listed in the Advisory Board report. It was determined that a 1/2 day session would be arranged in addition to a whole day Council Meeting. R. Zimmerman and President Graham will divide the list between the Council members, and each idea will be responded to with a short paragraph.

Awards

James Wilson reported the activities of the Awards Committee. He reminded the Council that they serve only in an advisory capacity. This year the Council instituted two new awards, the Young Analysts Award and the Outstanding Practitioner Award (alternating between the government and private sector). Hank Jenkins-Smith and Penny Fenner-Crisp were chosen as this years recipients respectively. J. Wilson feels the Council should further consider the criteria for the Young Analyst Award. The committee decided 40 years of age or younger would be the age criteria. The contribution criteria should pertain to his/her contribution the field not to the Society. He reported that several nominations were received that were not well documented. It was also decided that membership in the SRA was not required. President Graham commended the Committee for an excellent job. Since the Council has final approval of these awardees, R. Zimmerman suggested that biographies be distributed with the recommendations. She also felt it was important that only one recipient be named for each award. It was also recommended that the call for nominations be more specific so that all necessary documentation is provided.

The Awards Committee recommended that past presidents not be considered for awards. This recommendation was further discussed. It was decided that the standards for past presidents should be higher, but that they should not be excluded from consideration. J. Wilson commented that not all the current fellows meet the requirement of "substantial contribution to the Society **and** to the field." This should be clarified for future Awards Committees. C. Chess recommended that the SRA awards be published in other newsletters to increase visibility of the Society and to attract new members. Mainly it would be free publicity.

Regarding the Young Analyst Award, President Graham noted that other societies name their awards after an appropriate person in the field. The Executive Committee has discussed this issue and recommends that the Award be named after Chauncy Starr. Discussion from the Council followed.

MOTION MADE TO NAME THE YOUNG ANALYST AWARD THE CHAUNCY STARR AWARD (P. PRICE/G. FLAMM). MOTION PASSED WITH D. BURMASTER ABSTAINING.

Other Business

SRA has applied for membership in the AAAS. Gail Charnley represented SRA at the AAAS Board Meeting in December. SRA is currently being considered. R. Zimmerman added that there is no charge for becoming an affiliate member. A list of Affiliate Members was passed around.

MOTION MADE TO ADJOURN (R. ZIMMERMAN/Y. HAIMES). MOTION PASSED UNANIMOUSLY.

**Society for Risk Analysis
Council Meeting Minutes
10 December 1996
New Orleans, Louisiana**

Council Members Present: David Burmaster, Robin Cantor, Gail Charnley, William Farland, Gary Flamm, Christopher Frey, John Graham, Yacov Haimen, Annie Jarabek, Tom McKone, Charles Menzie, Robert Mulvihill, Elisabeth Paté-Cornell, Paul Price, and Rae Zimmerman

Others Present: Brett Burk, Richard Burk, Bob Cumming, Ann Landis, Ragnar Lofstedt, Virginia Sublet, Jim Wilson, and Michaela Zint

Call to Order

President Rae Zimmerman called the meeting to order, established that a quorum was present, and the Council accepted the agenda.

Past President Report

Elisabeth Paté-Cornell presented the Publications Committee Report. She noted that the Newsletter is running fine, but that a new contract has not been received.

Regarding the journal, the three new area editors have been added. They are: Vicki M. Bier, Engineering area editor; Paul F. Deisler Jr., Life Sciences area editor; Detlof von Winterfeldt, Social Sciences area editor. Curtis Travis will remain the editor-in-chief for a two year term. A new editor-in-chief will therefore be named and take over responsibilities on January 1, 1999. Each area editor will receive \$5,000 for expenses (mailing, secretarial, etc.). The goal is that the area editors and the journal will be self-sufficient.

E. Paté-Cornell has rewritten the author guidelines instructing authors to submit their papers directly to the appropriate area editor. She has also asked that each area editor take a proactive role in soliciting papers from authors in his/her area. C. Travis will receive all papers that are multidisciplinary. These guidelines take affect January 1, 1997 and will be included in the journal.

President Zimmerman led the Council in thanking E. Paté-Cornell for her efforts in developing this new journal structure.

SRA 2000 Meeting

The Society needs to examine the possibility of having a regular SRA Annual Meeting in the year 2000 in the United States and then having an additional joint meeting with the Europeans in the Summer.

MOTION TO KEEP THE DECEMBER SRA 2000 ANNUAL MEETING IN THE UNITED STATES WITH THE OPTION OF HOLDING AN ADDITIONAL MEETING WITH THE EUROPEANS (Y. HAIMES/J. GRAHAM). MOTION PASSED UNANIMOUSLY.

Tom McKone asked if it was more appropriate for the ISEA to hold their joint meeting with the SRA in the US or with the Europeans in the year 2000. John Graham suggested that the SRA would be happy to do whichever was preferable for the ISEA. William Farland added that if the SRA holds a congress, it would like to include the ISEA. It was noted that ISEA is considering a European location for their 1999 meeting.

European Journal

A letter has been drafted to the Europeans in response to their requests related to the Journal. J. Graham pointed out that there are some points in the letter that are in disagreement with the requests. Specifically, the SRA will continue to have all SRA members receive the SRA Journal.

Jim Wilson pointed out that historically the European Section has tried to evolve in the same direction as the Japan Section and that the creation of their own Journal is a step in this direction.

J. Graham asked Ragnar Lofstedt if the proposed letter would be considered encouraging enough, given the previously mentioned considerations. R. Lofstedt replied that the publisher had already been informed that this would be the likely outcome of the SRA meeting.

The goal of the European Journal Publisher is to reach a break-even by three years. The break-even point is at 800 subscriptions.

Robin Cantor asked how the letter would be received since the Europeans are asking for a different sort of affiliation than is being offered. R. Lofstedt stated that they would be happy with this for the time being. R. Lofstedt indicated that the Japanese Section will be designating the European Journal (JRR) as their official English Journal.

J. Graham was curious to know whether the European Section would have created their new Journal if the SRA US Journal had assigned a European Associate Editor. R. Lofstedt indicated that it was possible, but that this action would have significantly diffused the situation.

MOTION MADE TO APPROVE THE LETTER OF RESPONSE TO THE EUROPEAN SECTION AS WRITTEN (Y. HAIMES/J. GRAHAM). MOTION PASSED UNANIMOUSLY.

MOTION MADE TO AFFIRM THAT THE SRA JOURNAL WILL CONTINUE TO GO TO EVERY SRA MEMBER AND CONTINUE TO BE THE ONLY OFFICIAL JOURNAL THAT COMES WITH THE STANDARD MEMBERSHIP DUES (Y. HAIMES/W. FARLAND). MOTION PASSED, WITH J. GRAHAM AGAINST, DAVID BURMASTER, CHRIS FREY AND PAUL PRICE ABSTAINING.

SRA and Public Policy

Gail Charnley indicated that she would like to have two luncheon events with Congressional Staff. Other guests could be invited and charged a minimal fee (approximately \$20). Educational funding could be sought to help support this effort. G. Charnley asked for a \$10K budget for this project and expressed a hope that this could be underwritten by registration costs and educational support. The goal would be to have this organized by the beginning of the year.

MOTION TO AUTHORIZE UP TO \$10K FOR CONGRESSIONAL STAFF TRAINING LUNCHEON(S) WITH MANDATORY FUND RAISING OF \$10K PRIOR TO THE CONFERENCE AND FINAL APPROVAL BY THE EXECUTIVE COMMITTEE (T. MCKONE/J. GRAHAM). MOTION PASSED, WITH P. PRICE AND G. CHARNLEY ABSTAINING.

The President, on behalf of the Executive Committee will approve the content of the program.

Several Council members recommended that funding not be tied to the motion. Raising educational funds is desirable, but if they are tied to this activity it would appear that the funding is solely for this activity only. A decision to hold the luncheons should be made based on the merits of the program and if SRA decides to hold it, it should then risk a loss.

Journal Discount Policy

J. Graham would like to have approval to negotiate discounts on other Journals for SRA members, and to then put them on the SRA dues notice as an option. The possible discounts appear to be in the 10-30% range. T. McKone suggested that the Council provide blanket approval to explore negotiations with other journals with the results of the information gathering to come back to the Council. J. Graham presented four that have been contacted.

MOTION TO ACCEPT THE FOUR JOURNALS ALREADY NEGOTIATED (JOURNAL OF RISK AND UNCERTAINTY, HEALTH AND ECOLOGICAL RISK ASSESSMENT (HERA), RISK AND DECISION POLICY, JOURNAL OF EXPOSURE ANALYSIS) AND PLACE THEM ON THE FUTURE DUES NOTICES AND TO GIVE J. GRAHAM AUTHORIZATION TO NEGOTIATE WITH OTHERS ON THE LIST AND BRING PROPOSED DEALS BACK TO THE SPRING COUNCIL MEETING FOR FINAL APPROVAL (T. MCKONE/C. MENZIE). MOTION PASSED, WITH CHRIS FREY ABSTAINING.

It was pointed out that the motion made earlier by Y. Haimes continues in effect and will safeguard our Journal. The issue of peer reviewed vs. non peer reviewed journals needs to be considered further. Also, it was recommended that a mechanism be established to indicate those journals that are peer reviewed from those that are not.

Improving Risk Assessment Practice Report

Annie Jarabek presented and disseminated a handout on this topic. After being chartered, the committee began its discussions and focused on their charge. During their discussions, their focus changed from curriculum feasibility to improving risk assessment practice. The name of the committee was therefore changed to the Committee on Improving Risk Assessment Practices (IRAP).

SRA needs to be sensitive when making recommendations to the government on improved practices and training requirements. R. Cantor pointed out that the SRA does not want to be perceived as suggesting that the federal employees are not qualified to do their jobs. It must be understood that this is being offered as an opportunity to improve knowledge rather than compelling the workers to come in because they are under-qualified.

W. Farland agreed in principle that there is a need for programs that can help train interested and new employees. This would be professional educational level training.

J. Graham asked if this program will be integrated into existing programs or if a stand-alone program is desired. It was suggested that this be in coordination with existing programs.

MOTION MADE TO REQUEST A PROPOSAL FROM J. GRAHAM TO ADDRESS THE CURRICULUM FOR THE SPRING COUNCIL MEETING (W. FARLAND/Y. HAIMES). MOTION PASSED, WITH R. ZIMMERMAN ABSTAINING.

Additional topics from the Committee report seemed to need additional focus for Council action.

MOTION TO HAVE AN AD HOC COMMITTEE WORK ON A MORE PRECISE DOCUMENT FOR COUNCIL CONSIDERATION IN THE SPRING (Y. HAIMES/J. GRAHAM). MOTION PASSED, WITH D. BURMASTER ABSTAINING.

Finance

Paul Price presented an overview of the proposed budget which had been handed out on Sunday. Discussions as the meeting has progressed have made for some changes to the budget as written.

P. Price noted that \$10K needs to be added under both revenue and expenses for the Congressional Workshop. Also, \$3K should be added to the expenses for the SRA Web Page. The modifications bring the budgeted bottom line to \$51,850.00.

Speakers Bureau

A. Jarabek and C. Menzie presented a request from the Chapters for a speakers bureau. The Chapters would like to have a cost-share program with the SRA National where the SRA would pay \$350 per speaker and to authorize up to 15 trips - a total cost of \$5,250.

C. Menzie pointed out that the mechanism has not been completely figured out yet, but that this represents the spirit of the request.

MOTION MADE TO REQUIRE THAT ALL CHAPTERS SUBMIT A FINANCIAL REPORT TO THE SRA NATIONAL (Y. HAIMES/J. GRAHAM). MOTION PASSED, WITH R. CANTOR ABSTAINING.

Some Council members were not convinced that this is the best way to spend the SRA National unrestricted funds. It was pointed out that many of the chapters have funds, but that all of them would benefit from a list of speakers that would make up a speakers bureau. Another Councilor suggested that a means-test would be warranted before SRA National would pay for speakers for a particular Chapter.

Michaela Zint suggested that a competition be held to assist in awarding funds to the chapters. T. McKone agreed and suggested that the Committee could work out the details of the award and procedure.

MOTION MADE TO ALLOCATE \$2K TO THE COMMITTEE TO SPEND ON SPEAKER SUPPORT (J. GRAHAM/R. MULVIHILL). MOTION PASSED, WITH D. BURMASTER, C. FREY, T. MCKONE AND P. PRICE ABSTAINING.

P. Price noted that this decreases the budget bottom line by \$2K to \$49,850.00.

Chris Frey observed that our meeting fees are considerably lower than comparable meetings. P. Price indicated that the Finance Committee will be reviewing the costs for SRA '97 in the August/September time-frame. There was general agreement of the Council that the registration costs for the SRA meetings are low.

P. Price mentioned that the SRA Newsletter proposal has finally come in after being requested for over six months. In the absence of the contract, some inquiries have been made and some attractive options are available.

MOTION MADE TO AUTHORIZE THE EXECUTIVE COMMITTEE AND THE SECRETARIAT TO EITHER FINALIZE A NEW CONTRACT WITH LORRAINE ABBOTT OR ANOTHER VENDOR IN THE FIRST QUARTER OF '97 (P. PRICE/Y. HAIMES). MOTION PASSED, WITH W. FARLAND ABSTAINING.

MOTION TO APPROVE THE SRA '97 BUDGET AS HANDED OUT SUNDAY WITH THE CHANGES NOTED IN THIS DISCUSSION (Y. HAIMES/J. GRAHAM). MOTION PASSED UNANIMOUSLY.

NSF DRMS

R. Cantor stated that this program has been very successful in the past and has had some management changes recently. The SRA may want to send NSF a message that it would be willing to help them with this program. Currently there is no one to keep risk highlighted. Y. Haimes mentioned that the Chair has previously asked for help from SRA on this program

MOTION TO HAVE PRESIDENT ZIMMERMAN ACT ON BEHALF OF THE COUNCIL AND SEND AN ENCOURAGING LETTER TO NSF. (Y. HAIMES/G. FLAMM). MOTION PASSED, WITH D. BURMASTER OPPOSED.

Policy Statements by SRA

D. Burmaster mentioned that SRA was asked to comment on issues on another occasion, but the Council was opposed. J. Graham reminded the Council that the Advisory Board has urged the Council to consider SRA taking positions on specific issues.

R. Cantor stated that the SRA is one of the three major constituencies of this group. D. Burmaster agrees with the idea, but points out that SRA would then be taking a position without first determining if this is an activity it wants to be involved in. President Zimmerman pointed out that if SRA is going to act on this specific issue, it cannot wait until after the Spring Council Meeting where our policy on position statements will be discussed.

It was pointed out that there is a qualitative difference between NSF and EPA (where the Council decided not to take positions in the past) as SRA would not be trying to affect policy with the NSF. G. Flamm agreed that this is a difference in type as opposed to degree. W. Farland suggested that if this is indeed a difference in type of position, this should be expressed in the letter to make it clear what SRA is doing and why it is being done.

At the Spring meeting, the Council will discuss policies on taking positions.

Chapters and Sections

Ten representatives of the Chapters and Sections attended the breakfast meeting that was held. The Chapter/Section Mission Statement was discussed and all of the comments were positive.

MOTION MADE TO ADOPT THE CHAPTER/SECTION MISSION STATEMENT (C. FREY/Y. HAIMES). MOTION PASSED UNANIMOUSLY.

C. Menzie suggested the creation of a manual of how-to items for Chapters. Y. Haimes stated that the AAAS has a manual for this already and suggested it be requested from them to facilitate the creation of our own.

The Quebec Chapter will be recognized soon. They are already active, but need to finish filling out the paperwork to be official.

Professional Liaison

President Zimmerman reported that the liaison with AAAS is underway and that G. Charnley was our representative for the recent meeting. President Zimmerman will resolve which sections of the AAAS the SRA will join.

Risk Management Specialty Group

Robert Mulvihill stated that a Risk Management Specialty Group cuts across most of the groups that SRA already has. President Zimmerman pointed out that when this was put forth as an option on the call for papers, it had the largest draw.

Some Council members expressed concern about the formation of this group. They suggested that this might be better addressed by asking our current groups to focus on this area. President Zimmerman will research this further and try to think of potential leaders for this group.

Future Meetings

The SRA 1997 Annual Meeting will be in Washington D.C. The 1998 Annual Meeting will be in Scottsdale. The proposed sites for the 1999 meeting were San Diego and San Francisco.

Several Council members pointed out that San Diego is less expensive than San Francisco. The weather is also nicer in San Diego in December. The Secretariat was requested to propose a contract for the 1999 meeting at the Spring Council Meeting. The Secretariat should also begin looking for a location for the 2000 Annual Meeting.

PSAM

R. Mulvihill sought Council approval for sponsorship of the 1998 PSAM meeting. It was noted that SRA has sponsored all of the PSAM meetings since PSAM II.

MOTION MADE TO HAVE SRA CO-SPONSOR THE PSAM 1998 MEETING WITH NO FINANCIAL OBLIGATIONS (J. GRAHAM/P. PRICE). MOTION PASSED UNANIMOUSLY.

Since PSAM is held every other year, several Council members requested that PSAM help provide more workshops at the SRA meetings in the off-years. R. Mulvihill said that they are willing to do this and will actively pursue it.

AMENDMENT TO THE MOTION MADE TO REQUEST THAT IN EXCHANGE FOR SRA CO-SPONSORSHIP, PSAM COMMIT TO PARTICIPATION IN SRA MEETINGS IN OFF YEARS. (P. PRICE/J. GRAHAM). AMENDED MOTION PASSED UNANIMOUSLY.

1997 Meeting

Y. Haimès noted that the deadlines have been moved about 6 weeks earlier than the 1996 meeting deadlines. He will be working with all of the leaders in the SRA to request help on the program. R. Lofstedt urged that there be more collaboration with SRA Europe. It will be geographically close to Europe. R. Lofstedt will work with Y. Haimès to determine the best ways to advertise the SRA Annual Meeting to the European audience.

Nuclear Safety Standards Request

J. Graham mentioned that in a meeting in Stockholm the SRA was requested to help formulate standards. They are having problems with the different guidelines and would like the SRA to convene a panel to come up with some uniform guidelines and help guide the implementation.

T. McKone stated that this is exactly the mission of the IAEA and that SRA might be stepping on their toes. It was the perception of several Council members that the IAEA does a good job. Since the scope of this task is so large, both from a financial and scope of work perspective, SRA should first determine why the IAEA has not been able to help them. R. Mulvihill will follow-up on this item and report back to the Council.

Web Site

Steve Brown will be the chair of the Electronic Media Committee that will create and administer the web site. The funding level for the project for FY 1997 is \$3K.

MOTION TO DESIGNATE STEVE BROWN TO CREATE AND MAINTAIN THE WEB PAGE AND HAVE CHRIS FREY, BRETT BURK AND OTHERS AS NECESSARY ON THE COMMITTEE (P. PRICE/Y. HAIMES). MOTION PASSED, WITH C. FREY ABSTAINING.

A. Jarabek requested that the web page allow for abstract submissions. P. Price stated that this committee answers to the Publications Committee. A. Jarabek suggested that someone from the Membership Committee should be on the Committee.

Committee Assignments

Chapters/Sections - Charles Menzie
Conferences & Workshops - Elizabeth Anderson
Gifts & Grants - Gail Charnley
Grants Management - Robin Cantor
Membership - Annie Jarabek
Public Policy - Gail Charnley
Specialty Groups - Robert Mulvihill
Advisory Board - John Garrick

Specialty Groups

J. Graham asked how the new Law Specialty Group has done this year. R. Mulvihill stated that it has been going very well and that they are preparing a report.

A. Jarabek was asked by a specialty group if they could ask for dues from their members. There does not appear to be any reason why they could not do so. It was also pointed out that they could hold a meeting to raise funds for their group.

Misc.

There were several recommendations in the Advisory Board report. J. Graham suggested that each recommendation be assigned to a Council Member who should work on the issue and bring recommendations to the Council at the Spring Council Meeting which will have a strong strategic planning component. The recommendations should be in the form of a 2-4 minute report.

MOTION TO DIVIDE THE ADVISORY BOARD RECOMMENDATIONS AND ASSIGN THEM TO COUNCIL MEMBERS WHO WILL THEN CREATE A SHORT REPORT ON EACH ITEM (J. GRAHAM/Y. HAIMES). MOTION PASSED UNANIMOUSLY.

The Advisory Board recommendations have been assigned as follows:

- 1 - J. Graham, R. Cantor
- 2 - B. Farland, T. McKone
- 3 - G. Flamm, C. Menzie
- 4 - C. Frey, D. Burmaster
- 5 - B. Farland, Y. Haimes
- 6 - R. Zimmerman, Mulvihill
- 7 - A. Jarabek, P. Price
- 8 - R. Zimmerman, R. Cantor

Several members of the Council noted that the Society should recognize Paul Deisler for his fantastic work on the Advisory Board. President Zimmerman will send a letter of thanks to P. Deisler expressing the thanks of the Council. The Council also agreed that it would be appropriate for the Awards Committee to consider P. Deisler for an award.

MOTION TO ADJOURN AT 11:02 PM PASSED UNANIMOUSLY.

**Society for Risk Analysis
Council Meeting
Alexandria Virginia, Holiday Inn
1 May 1997**

Councilors Present: Robin Cantor, W. Gary Flamm, H. Christopher Frey, Yacov Y. Haimes, Charles Menzie, Robert J. Mulvihill, Paul S. Price, and Rae Zimmerman

Others Present: Brett Burk, Richard J. Burk, John Garrick, and Ann Landis

Councilors Absent: David E. Burmaster, Gail Charnley, William Farland, John D. Graham, Annie M. Jarabek, and Thomas McKone

President Zimmerman introduced John Garrick, Chair of the Advisory Board. He was asked to lead the Council in a strategic planning session. Garrick reviewed the members of the Advisory Board for the Council: Donald Barnes, Lawrence Barnhouse, Ann Fisher, Roger Kasperson, Paul Slovic and Cathrine St. Hilaire. Brett Burk, from the Secretariat, also participates on the Board. The Board was designed to identify issues and problems that face the future of SRA, and provide advice to the management of the Society on these issues. Throughout the year, the Advisory Board meets often via telephone, and once in person at the Annual Meeting. This process has proven effective.

The Board prepared a 1996 Annual Report and provided it to the Council at the December Annual Meeting. In the report, there were eight topics identified that the Board felt needed further discussion by the Council. At that time, each Councilor was assigned to one of these topics and asked to prepare a short report to be presented at the Spring Council Meeting. Garrick pointed out that while it is important to identify such topics of discussion, the more important and challenging task is developing an action plan. He and President Zimmerman hope to develop several action items from this meeting. Garrick also pointed out that whenever actions are identified, there must also be a mechanism to measure the effectiveness of these actions.

The eight issues that were indicated in the 1996 Annual Report are as follows:

1. Membership
2. Public Positions
3. SRA Role in Risk Science Education
4. Student Participation in SRA
5. Quality of Information Exchange
6. Exchange Continuity of SRA Operations
7. SRA Chapters & Specialty Groups
8. Establishment of a Risk Management Specialty Group

ENHANCE

1. MEMBERSHIP

PROBLEM: FIELD IS GROWING MUCH FASTER THAN THE SRA MEMBERSHIP IS

ACTIONS: MEMBERSHIP COMMITTEE TO TAKE THE LEAD TO DEVELOP AND IMPLEMENT SPECIFIC ACTIONS

The Board wonders why the SRA membership is not growing as quickly as the risk field. Fortunately there is a committee designated to address this issue. President Zimmerman said that the current Membership Committee does not feel that the responsibility of increasing membership lies with them. It was recommended that the charge of the Committee be reviewed, and comments be forwarded to the Committee. Many committee members have pointed out that they do not have the resources available to them to develop fliers and do mass mailings. It was also noted that the Council needs to be more actively involved in membership drives as well.

Gary Flamm wondered if SRA could target the most rapidly growing segments of the risk field for membership drives. Garrick commented that all areas are growing. Charles Menzie (liaison for the Sections and Chapters Committee) and Robert Mulvihill (liaison to the Specialty Groups) pointed out that there is a very large number of people who are involved in Chapters, Sections and Specialty Groups that are not involved in the national group, and they should be targeted. In doing this, Menzie noted that SRA needs to promote the National-Chapter and National-Section relationships and make them feel more connected.

Because the membership issue is such a fundamental issue effected by all the other points of discussion, it was suggested that the other seven issues be discussed and tied back into membership.

Price noted that there are two issues to discuss, one being the support of the existing membership, and the second being the ability to reach the emerging areas of the risk field. SRA needs to approach both. Haimes commented that the Society is unique because it is a secondary Society. Cantor and Garrick both agree that SRA needs a succinct listing of what the benefits are to being a member of the SRA.

Garrick stated that we must find a way to make the risk field less threatening (decrease the expose aspect). lacks the maturity in terms of having a formal niche in professional circles. Garrick stated that is good to expose if the research is well done, but feels that because of the lack of maturity within the discipline, a lot of the risk assessment work is junk. The risk field needs to get a handle on quality control within the discipline. Cantor thinks that others are threatened because the field is gaining market share. She noted that all disciplines have good and bad analysis. Garrick feels that this young discipline has less measurements and standards at its disposal.

2. PUBLIC POSITIONS

PROBLEM: STRONG OPINIONS FROM THE SRA LEADERSHIP HAVE OBSCURED MEMBERSHIP PREFERENCES ON TAKING PUBLIC POSITIONS

ADVANTAGES: ELEVATES AWARENESS OF SOCIETY AND STIMULATES INTEREST

DISADVANTAGES: ALIENATES THOSE OF OPPOSING VIEWS, COMPROMISES INDEPENDENCE

ACTIONS: SURVEY MEMBERSHIP, CASE BY CASE EVALUATION OF INVITATIONS, ADOPT A SET OF RULES OR A POLICY, THAT PROVIDES GUIDANCE ON WHAT SHOULD BE THE FACTORS THAT WOULD DETERMINE IF WE TAKE A POSITION. ANOTHER ACTION WOULD BE TO LEAVE IT UP TO INDIVIDUALS TO DO WHAT THEY WANT.

Although position statements may alienate members of the society with an opposing view, it may gain more by stating a view that is well founded. Some people say taking positions will turn SRA into a lobby group. Garrick added that just about all societies take positions.

The custodians of this topic are Farland and McKone. In Farland's report (provided in the Council Handbook), he endorses the concept of taking positions. Menzie asked what kind of issues the Board has in mind. Garrick replied that the Advisory Board was thinking of issues where risk plays a major role. Garrick asked if the Society should become more vocal, and more of a force in reaching consensus on these important issues.

President Zimmerman commented that in order to put forth a policy, there must be a well defined process in place that would address conflict and controversy. Flamm noted that it is not likely that the SRA membership will come to unanimity on any given issue. Garrick agreed, but added that there has never been a society that has been able to reach unanimity. Even when a strong consensus is gained on an issue, there will be many vocal objectors within the society. He sees this as a huge disadvantage, and is afraid that it may cause fractures that undermine the ability of the society to work together for advancing the field. Flamm recommended that SRA postpone taking positions until the Society's membership has increased substantially. SRA has already suffered fractures over less substantial issues than this, and we should proceed very cautiously.

Haimes noted that there are groups that establish panels to produce position statements, while following the rules and policies of the Society. Cantor added that SRA could follow the academy model, noting that this is a long, involved process, with many view points. She doesn't know if the Society is organized in such a way that it could handle this kind of responsibly. Many areas that are of concern are ones that are rapidly evolving in their science and data, and in order to be recognized, SRA would have to come out with positions that are a little more extreme than we can support. Then five years down the road, SRA would be pinned to a statement that it wished it had not stated. Cantor recommended that SRA proceed with extreme caution in setting up a mechanism to develop statements.

Garrick asked if SRA should become a Society of force or an "on the other hand" society. It is difficult to have an impact with the latter. He finds it disturbing that most of the formulation of the taxonomy of risk is coming from the National Academy of Sciences and Engineering. Garrick noted that the risk discipline is vulnerable to miscommunication and misinformation, and thinks positions could help to set the record straight.

Flamm feels SRA is having an impact on how EPA views risk assessment (exposure) through workshops and Annual Meeting participation. SRA is acting as a "behind the scenes" catalyst.

Menzie asked if perhaps SRA could make comments on more global issues, like how risk analysis should be applied, rather than take positions on specific issues. Garrick wondered how the Society should react when it sees the country moving in the wrong direction. Cantor stated that these issues would still be controversial. No one cares about positions on non-controversial issues. Further, these issues are usually controversial for a good reason. She feels SRA would be putting themselves at risk in commenting on these controversial issues.

Garrick noted that the majority of the Council is opposed to the idea of taking positions. The Advisory Board wonders if the Council can represent the membership on this issue, and feels the Council needs more information/input from the membership.

It was recommended that a survey be done asking the members if SRA should be taking positions. We could announce the survey beforehand in the *Risk Newsletter*, and it could be incorporated into an existing mailing, like the ballot. It was pointed out that the non-respondents would be the most vocal against the position we come out with.

Garrick commented that a society that does not take positions will not play a role in public policy, and will not be considered as a credible society. Cantor wonders if this is true, and thinks the SRA needs to research and collect evidence to get a better idea of the ramifications of not taking positions as well as taking positions.

President Zimmerman stressed that the survey should ask what type of process the individual would recommend if they agree that the Society should take positions. Garrick thinks that this issue warrants a study. Price agrees with Farland's written comment, that if SRA cannot crystallize what it stands for, then we have a fundamental problem with our society. SRA should be able to state ideal risk principles, and defend or affirm them. Haimes will raise the survey question during the Council Meeting tomorrow.

3. SRA ROLE IN RISK SCIENCE EDUCATION

PROBLEM: LIMITED KNOWLEDGE ABOUT THE RISK SCIENCES WITH THE RESULT OFTEN BEING MISUNDERSTANDING AND MISCOMMUNICATION

PRIMARY SOURCES - SRA, ACADEMIA, INDUSTRY AND ENTREPRENEURS (SHORT COURSES, FORUMS ETC.)

ACTIONS: KNOW WHAT IS OUT THERE, TEST THE MARKET FOR RISK ANALYSTS, AGREE ON A FRAMEWORK, ESTABLISH THE SCOPE OF RISK ASSESSMENT, PREPARE A POSITION PAPER ON RISK EDUCATION

Cantor asked what the objective is. Garrick answered that there is a large contingency of risk analysts where probability and statistics is a very small part of the total issues. By the time the data is examined, 80% of the work has been completed. When you make the equation between risk assessment and probability and statistics, you immediately lose the most powerful component of the risk assessment community. Cantor asked why SRA would have a better view on what is needed than the university system that is the steward of the curricula. Garrick replied that in the engineer systems risk assessment field, the universities are not necessarily a strong resource for designing a curricula because most of the application side of risk assessment comes from industry. A curricula designed totally out of the university would not likely be successful. Part of the program would have to come from the university, but most would have to come from the people doing it. Cantor suggested that SRA act as a facilitator of information about creative and innovative risk science education programs. Haimes likes this facilitator idea, because almost all medium and larger companies are using risk groups. SRA could serve as the spokesman for the community as to what types of courses might be beneficial.

Garrick stated that the idea of getting a degree in risk may be too diverse and too application specific to satisfy all experts in the arena. Cantor feels the SRA could be a wonderful clearinghouse for information on courses and programs, but thinks that it should not consider itself the most knowledgeable as to what programs to put together for your students. Garrick agrees that we do not want to put ourselves up on a pedestal, but rather act as a constructive force in risk science education.

Menzie had three recommendations in this regard. 1) start something on a high school level with teacher workshops 2) SRA could compile under-graduate and graduate programs so that other universities interested in starting a program could come to SRA for guidance 3) lots of SRA Chapters are interesting in holding workshops on risk analysis topics.

Cantor stated that the NSF has a "science resource studies program" that collects data on degrees, required courses and their resulting fields. This could be a good beginning to information collection. Flamm added that we need to review the disciplines that apply risk assessment and determine what the underlying principles are

that are cutting across all these fields. Haimes added that we need to also reach out to the business schools and provide risk assessment and risk management programs.

4. STUDENT PARTICIPATION IN SRA

ISSUE: HOW TO INCREASE STUDENT INTEREST IN SRA

STATUS: CURRENTLY ENCOURAGED THROUGH MEETING REGISTRATION DISCOUNTS AND STUDENT PAPER AWARDS

ACTIONS: INCREASE RECOGNITION AND ECONOMIC INCENTIVES, INITIATE HIGH PROFILE SCHOLARSHIP, SPREAD THE WORD ON CAREER OPPORTUNITIES, STUDENT CHAPTERS

After asking himself why graduate and upper level under-graduate students would want to join the Society, Frey thought that the Society would be beneficial if it would help the students decide what fields they like, give them some direct assistance in their job search, provide useful information relative to their research project, give them special recognition, and provide professional networking. Frey thinks that student chapters are a good idea in general, but since there are not that many universities that could support a student chapters, it may not be realistic. In his experience, the active student chapters are supported by large academic programs. Perhaps they could piggyback with other student chapters. Frey also feels that travel grants need to be consistent and well advertised. SRA needs to let the advisors know, since the student body turns over constantly. Advertising mailings could be sent to all people related to universities.

Garrick sees this as a microcosm of the problems with the entire SRA, that is, there is no particular discipline that is the driver for the society. The strength of SRA is the interdisciplinary nature. There could be a cross-cutting effort to organize clubs/groups. Frey said he did not join as a graduate student because he was unaware of how the Society would benefit him in his engineering field. The interdisciplinary message needs to get out to students.

Cantor asked how active the placement service is during the Annual Meeting. There is currently minimal participation. There has been very little, if any, job interviewing on-site. SETAC and many other meetings promote this procedure, and it attracts many students. SRA has a student reception that is also poorly attended. Price suggested that the Council consider a career symposium. Menzie suggested sponsoring a student luncheon. Garrick thought that one specific action could be to have a poster dedicated to the job opportunities in the risk field. Perhaps SRA could provide a distillation of positions advertised in many different journals. Another suggestion was to hold a session on how to get a job in a particular field. Haimes will work to incorporate a job market into the planning of the 1997 Annual Meeting and also some posters on the subject.

Garrick asked if SRA should sponsor a scholarship program. Cantor noted that the problem with scholarships and fellowships is that they only bring in a small number of people. It is not a broad based solution. R. Burk added that some groups have "worker travel grants" that pay for the students to attend the meetings, and require meeting support assistance. President Zimmerman will draft a letter to all SRA member students informing them about the travel awards. Also, Menzie and Price will draft a letter from President Zimmerman to be mailed to categories 92 and 94 in the handbook about the job situations. Menzie and Price will try to determine the job availabilities for the meeting. The Secretariat will determine what type of student function to have (i.e. breakfast, brunch or lunch) and then coordinate that with Haimes.

5. QUALITY OF INFORMATION EXCHANGE

PROBLEM: SOME CRITICISMS OF THE QUALITY OF PAPERS AND PRESENTATIONS AT NATIONAL MEETINGS AND THE LACK OF DISSEMINATION OF SRA MEETING INFORMATION

ACTIONS: STRENGTHEN THE REQUIREMENTS FOR PAPER ACCEPTANCE, PREPARE AND DISSEMINATE SUMMARIES AND HIGHLIGHTS OF MEETINGS, INCREASE THE USE OF ELECTRONIC COMMUNICATION, TRACK AND HIGHLIGHT SIGNIFICANT WORK BY INVESTIGATORS IN THE FIELD

The abstracts that are currently being published from the Annual Meeting are more place holders than true abstracts. Because it is difficult to reject or determine the quality of the presentation by the abstract, Cantor suggested that people be required to submit an actual paper in advance. Price agreed that a 2-3 page paper would help quality control. If people do not submit a paper, then they are not included in the program.

Many societies prepare proceedings after a meeting. Some people choose to present at meetings other than SRA because a formal publication will be produced.

The web site has made significant progress in the electronic communication. Price wondered if all the papers could be added to web page 3-6 months after the conferences. Garrick added that many societies put together a summary at the end of the meeting, although this may be particularly challenging because of SRA's diversity. R. Burk warned that this could negatively impact attendance at the meeting, since they would have the benefit of a summary without attending the meeting.

Haimes is working hard to eliminate the no-shows. Zimmerman asked the Secretariat to provide a list of those who withdrew the last few years to Haimes. Garrick commented that this should be the responsibility of the session chair. Cantor noted that that is fine, but chairs are assigned by the Program Committee and are always enthusiastic.

Garrick noted the best advertisement for the SRA is the Annual Meeting. Providing good sessions and good meetings are the most important things it can do. Cantor encourages the idea of asking people (particularly those whose abstracts have been rejected) to be discussants for each of the sessions. This forces people to write something down and provide it to the discussant. President Zimmerman replied that because there were so many submissions, there was not enough time for discussants in 1996. Price recommended that a small group be formed (including Haimes) to determine two recommendations for addressing the problem of quality (discussion to include all of the above suggestions) with regard to the Annual Meeting sessions, to be reported back to the Council with the goal of implementation for 1998. Haimes and two others should create the subcommittee on Annual Meeting paper quality and report back to the Council at its next meeting

6. ENHANCE CONTINUITY OF SRA OPERATIONS

PROBLEM: CORPORATE MEMORY AND LEADERSHIP TERMS

ACTIONS: INCREASE TERM OF PRESIDENCY AND POSSIBLY OTHER OFFICES, RETAIN SERVICES OF RETIRING LEADERSHIP, ALLOCATE RESOURCES FOR STAFF TIME TO TRACK PAST AND PRESENT ACTIONS, BETTER UTILIZE TALENTS OF THOSE MEMBERS ON THE LOSING AND OF ELECTIONS

Garrick feels that SRA's corporate memory could be improved upon. He wondered if there would be merit in having some Councilors read all of the motions going all the way back to the SRA's first meeting. It was

recommended that Mulvihill, Zimmerman and Cantor create a framework for a database that contains all past motions. The Secretariat will create this database.

Garrick asked the Council what they thought about the idea of increasing the terms of the officers. R. Burk commented that it is already difficult to get people to run for a one-year term. President Zimmerman suggested one option of giving more responsibilities to the past-president and president-elect.

Garrick observed that oddly enough, many of the unsuccessful nominees for presidents have dropped out of sight. There is a great loss in not trying to get those who lose an election to continue to participate in the Society, since they are obviously very talented. The Advisory Board currently has two past-president nominees. Price recommended that the nominating committee ask these people to serve on the Advisory Board **and** run for the Presidency. This way, both presidential candidates become members of the Advisory Board. This does not preclude the Board from adding other people to this committee.

Motion made by Haimen and seconded by Price to invite the two presidential nominees to join the advisory board with the winner to join at the end of his/her presidential term (in accordance with the Advisory Board rotation schedule). Motion passed unanimously.

Price thinks there is a lot to gain from having a two year presidency. - the details would be worked out if there is agreement. we would then need to examine what the effect is on the rest of the system. It was suggested that a new, longer term (i.e. Chairman of the Board) position could be created, or to increase the length of the Secretary. Price noted that one of the reasons that the continuity within SRA feels "jerky" is that the president's position is rotated between disciplines. Maybe we could find a way to maintain continuity within disciplines.

SRA CHAPTERS AND SPECIALTY GROUPS

PROBLEM: NOT MEMBERSHIP ENGINE ANTICIPATED AND OFTEN DIVISIVE

ACTIONS: ENFORCE SRA REQUIREMENTS, CREATE SPECIAL MEMBERSHIP CATEGORY FOR CHAPTERS, PROVIDE FEE INCENTIVES, REPORT CARD ON CHAPTERS AND SPECIALTY GROUPS, PROVIDE GREATER SUPPORT TO CHAPTERS COMMITTEE, DEVELOP MORE DEFINITIVE GUIDELINES FOR THE FORMATION OF SPECIALTY GROUPS

Garrick there needs to be more concern on the part of the National SRA for the ailing chapters. Menzie is reporting on this as Council liaison. Garrick the chapters are able to rally around visits by the national president and officers.

The Council needs to establish a procedure for chapter visits. There is a small budget set aside for travel assistance. This could be very beneficial to the chapters. The Advisory Board could help in this process. A letter could be sent to each chapter saying that there are people willing to visit Chapter meetings if they so desire. Flamm would like to be more how aggressively are we seeking to get the chapter members to become national members.

Mulvihill noted that many specialty groups are not national members. we should try to get some of the people that are in specialty groups to join the SRA.

President Zimmerman the specialty groups seem to view themselves as a way get together with peers and create a community feeling, so it can be both divisive and . R. Burk thinks the specialty groups have kept groups from within the SRA from going off to develop other societies. C. Menzie there is always a concern with the

specialty groups becoming too insular especially if they set up all of their own sessions. Perhaps they should be limited in the amount of time they spend by themselves at the Annual Meeting. For example, he thinks it would be interesting and beneficial if the groups got together (i.e. plenary session) to discuss the hot issues within the discipline.

Price the specialty groups do serve several functions with the meeting organization and they initiating activities - (REAP program, annotated bibliography). They may be compromising attendance at the sessions. He doesn't feel that the danger of them splintering off is too great. Cantor feels that if the specialty groups provide a benefit to our members that great, and this may be the reason they are coming to the meeting. Garrick wonders why the SRA membership numbers has not exploded as it was anticipated a couple years ago.

Garrick asked the Council if it needs to establish more stringent guidelines for establishing a specialty group. Should there be a quality control. Zimmerman suggested we have them include mission statements in their application to become a specialty group. Price received a correspondence from the Dose Response Specialty Group asking them if the Society would help them collect dues. This could be interpreted as a secret dues increase by the SRA. Price would like to make a decision in this regard. He does not see a big problem with this, although it could be argued that once they start initiating their own budget, it is getting closer to the spin off possibility. Haimes would rather see the specialty group come to the council for support instead of raising their own funds.

Risk Management Specialty Group

Some feel that this encompasses everything and is therefore not definable. Cantor once the group is defined by the people who join it, it would become obvious that the group is more defined than you would think. This session in last year's annual meeting attracted the most papers. Mulvihill originally opposed the idea but since it keeps coming up, maybe it is something that we should try. Price since there is enthusiasm behind this idea, we should give it, there seems to be no downside. President Zimmerman thought perhaps Howard or Lester could be the chair. President Zimmerman the Risk Management Specialty Group would probably be useful to the sociological members of the SRA who are without a home now. This group does have general encouragement of the Council, but there is nothing further for the Council to do at this point, except wait for the petition.

Revisiting the Membership Drive

We have addressed this within the sub areas as the discussions have unfolded. All issues affect membership. All the actions we have discussed will stimulate the membership drive.

1997 Advisory Board Initiatives

Each initiative has a member of the Board assigned to it. They will provide Garrick with a review on his/her topic.

The truths about the risk sciences.

Risk-informed, performance-based regulation

Lawyers and risk assessment

Merging of the culture (Paul Slovic). One of Slovic's comments was that perhaps SRA could do a better job at inducing these sub-cultures to interact more and understand each other better to improve the theories and practices of the discipline. One way at the annual meeting would be to organize sessions that were problems focused and choose individuals that a diverse disciplinary perspectives are presented. Flamm recalled that this was tried in San Francisco (aides was the topic), but it was not successful. Further discussion followed.

Garrick asked that the Council provide to him or another member of the Advisory Board, any topics that it would like the Board to discuss.

President Zimmerman and the Council thanked the Advisory Board and Garrick for their tremendous work.

Adjourn 1715

**Society for Risk Analysis
Council Meeting
Alexandria Virginia, Holiday Inn
2 May 1997**

Councilors Present: Robin Cantor, W. Gary Flamm, H. Christopher Frey, John D. Graham, Yacov Y. Haimes, Charles Menzie, Robert J. Mulvihill, Paul S. Price, and Rae Zimmerman

Others Present: Brett Burk, Richard J. Burk, Bert Kramer, and Ann Landis

Councilors Absent: David E. Burmaster, Gail Charnley, William Farland, Annie M. Jarabek, and Thomas McKone

President Zimmerman welcomed the Council, established that a quorum was present, and accepted the amended agenda.

President's Report

President Zimmerman was pleased to report that the Society has created professional liaisons with other organizations. SRA is co-sponsoring a meeting with PSAM in 1998, and has recently been accepted by AAAS as a member society. Zimmerman assigned SRA into five sections of AAAS, and now 5 SRA members need to be formally designated to represent SRA at each section meeting (engineering, medical science, psychology, social economics, political science, and society impact on science and engineering). Zimmerman will send a short description of the responsibilities of being a section representative via email to the Council, and work on the assignments. In addition to these professional liaisons, Zimmerman is involved in the Council of Scientific Society Presidents (CSSP) and is attending its meeting in the next few days.

The first issue of the *Risk Newsletter* under new management has been mailed. The transition went smoothly and thanks were offered to R. Burk for helping to arrange this new editorial office. R. Burk thanked Dr. Genevieve Roessler, Newsletter Editor, for agreeing to commit to the new project on short notice. He also commented that this new contract could either save the Society \$10-12K per year, or the number of pages could be increased to up to 32 pages for the same price as before. Zimmerman added that in future issues she would like to include topical lead stories, so that the newsletter would be more substantive. Graham suggested that a new structure promoting lead stories would need to be established. The lead story would be the responsibility of the Publications Committee Chair (he/she could write it or assign someone else to write it).

Graham is the current Chair of the Publications Committee, and he will work with the Committee to create a dynamic *Risk Newsletter*. The Committee will consist of Frey as web representative, Price as finance representative, Cantor and anyone else Graham appoints.

Zimmerman reminded the Council liaisons and Chairs that they are responsible for getting the necessary information to the Newsletter staff and for keeping the web page information up to date

(Frey for Web, Price for Finance, Menzie for Chapter/Section, Haimes for Annual Meeting, Mulvihill for Specialty Groups, etc.).

Haimes asked that the members of each committee be listed in the Newsletter, as well as the Chairs. Zimmerman will send a letter to all committee chairs asking them to provide a listing of their members to the Secretariat by May 15th for inclusion in the next Newsletter.

Motion made by Haimes and seconded by Graham to acknowledge with gratitude the outstanding support and service of the new Newsletter staff. Motion passed unanimously.

Motion made by Haimes and seconded by Graham to commission a survey polling the membership on whether SRA should take public policy positions with the details to be worked out with the help of the Advisory Board. Motion passed unanimously.

Graham feels we should not survey the membership, rather the Council should make this decision as the membership's elected leaders. The survey may not be useful anyway. Because the Advisory Board felt strongly about obtaining further information/opinion on this matter, it was decided that the details would be worked out with the advisory board and the draft would come back to the Council for final review.

Regarding the Risk Management Specialty Group, there is a considerable amount of interest, and the Council will welcome a formal proposal to establish this specialty group.

President Elect Report

Yacov Haimes thanked the Secretariat for all of its help with the upcoming Annual Meeting. As was discussed at the last Annual Meeting, the Program Committee has been requesting posters from well known members of the society and plans to direct good abstracts into the poster sessions to increase interest and elevate the poster session quality. In order to keep costs down while increasing visibility and participation in the poster sessions, the Program Committee would like to have two regular luncheons and one buffet style luncheon strategically planned around the poster session.

In addition to the regular sessions, Haimes contacted Fellows, Past-Presidents and other leaders of the Society asking that they contribute a 45 minute "nugget" review from his/her field. Some of the people contributing thus far are Morgan, Lave, Garrick, Graham, and Slovic. Haimes is planning to contact Curtis Travis to discuss putting these nugget sessions in a special issue of *Risk Analysis*.

The Program Committee meeting will be 1.5 days this year, and Haimes has decreased the budget from \$5,000 last year to \$3,000 this year (partly by utilizing people on the east coast). The Secretariat is arranging a tour of the Hilton Hotel for Haimes and some other members of the Program Committee.

This year the Call-for-Papers is on the web page.

Haimes wondered if it was possible to track the people who have submitted an abstract and not shown up for the meeting. He would like to force people who have done this for the past two years to pay in advance for attending the meeting. The Secretariat will review this issue to see if it is able to track these people for the past two years.

Because attendees like to drop-in on many different sessions, it is important that the session speakers remain on schedule. This year, a letter will be sent to each Chair stressing that they are responsible for filling the gaps between speakers, and also holding speakers to their limited amount of time. The session Chairs will be reminded that it is very important that they contact each speaker, verbally, before the session to ensure his/her participation.

Motion made by Graham and seconded by Price to require prepayment from speakers who have been no-shows for two years. Passed unanimously.

Haimes requested that Sue Burk/Secretariat send a letter from Haimes, to all Council Members, Fellows, Specialty Group leaders and Chapter Presidents, asking them to participate in the Annual Meeting as a session chair. It seems appropriate since they are the leadership of the society.

Although the topic of the meeting is public policy, and will be held in the nation's capitol, Haimes is reluctant to invite high level government speakers for the plenary session because they have a high cancellation rate. He has several speakers lined up already. One is Alton Slay, a retired four-star General who chaired the Chancey Commission. Haimes was impressed by a previously attended presentation by Slay. For the second plenary session, Haimes asked Garrick to contact Shirley Jackson from NRC to see if she would be willing to speak. Anita Jones is also being considered.

Haimes has invited several people to present posters. He asked that each Council member create a poster if possible to help accomplish the goal of upgrading the quality and perception of the poster sessions. Discussion followed regarding whether it is appropriate for one person to present in both an oral and a poster session.

Motion made by Haimes and seconded by Graham to allow authors (as an experiment this year) to present one oral and one poster at this annual meeting (the poster may, but does not have to be on the same topic as the oral).

Cantor noted that the problem of poor quality posters is caused by the Program Committee's tendency to assign the best papers as oral presentations, and the others as posters. Menzie suggested that the Society prepare a mailing promoting the poster session (could include names of leaders who are presenting posters) and include instruction as to how to create an effective poster.

Discussion followed on how to handle the papers that cannot fit into oral sessions, how to deal with the perception that posters are second best, and how to elevate the quality of the posters.

It was determined that the motion was unnecessary and that Haimes could handle this issue however he chooses. He probably will experiment this year on a small scale (perhaps just the Council) to see how it works.

Past President Report

John Graham provided a proposal entitled "Proposed Statement of the Council of the SRA." He would like the Council to review the statement and either accept it as an official statement of the Council as written, to revise it, or to recast the statement.

This proposal comes from a couple of different sources, one of which was the recommendations of the IRAP Committee chaired by Annie Jarabek (including Jim Wilson and Granger Morgan). The second source was the Advisory Board recommendation to get more heavily involved in the risk science education issue.

Graham would like the SRA to come forward with a proposal to recommend that Congress authorize NSF to set up a program of university based centers for risk analysis. This original proposal is for 8-10 centers. During this meeting, the Council needs to review the concept and the merits of the program. If the Council agrees to this proposal or a modified proposal, SRA would need to send individuals acting on their own behalf (not SRA's) to talk to the appropriate Congressional members (House side) of the Committee that oversees NSF and explain to them the benefits of the program and the way that it could work. The Society Attorney, Peter Hutt has reviewed this issue and feels there is no difficulty in the Society taking a position on the issue of establishing university based centers, because this is a policy statement, not a lobbying effort. The Society could also encourage individual members to lobby for this effort without being considered a lobbying effort of the Society.

Price agrees that this is right in line with the advocacy/policy issues in which SRA should become involved. In response to his question on how involved SRA would be in promoting this proposal, Graham replied that he envisions SRA publishing the proposal in the *Risk Newsletter*, and then Graham and a small group of other people would move forward with the proposal acting on their own behalf rather than the Society's behalf.

Haimes strongly supports the concept, but feels the proposal should be more inclusive and balanced. It should be broadened to emphasize engineering as well as health and safety. Regarding agencies, he suggests that DOD and DOE be added.

President Zimmerman would like to include a response to the question of why the short courses currently being offered are unable to handle this training. The need for programs to be grounded in universities should be mentioned.

Frey wondered if the \$40 million budget (over 5 years) would be sufficient. Secondly, although the proposal mentions the educational challenges of undergraduates and graduates, the center's goals seem to be geared towards doctoral level research, faculty development and institutional development. It is unclear how these centers will serve the objectives of meeting the needs of undergraduates and students in masters programs. He further wondered if the proposal could be expanded to include curriculum development grants that could be widely available to hundreds of universities. Graham likes the idea of smaller grants going to universities with innovative curricula without being centers.

Haimes thinks there would be increased support for the proposal if it showed the benefits for corporations and industry. Haimes will incorporate his ideas into this draft proposal and provide them to Graham.

Frey wondered if the specificity of this proposal would be well received by the government. Perhaps it would be better to promote the concept and let NSF work out the details. Graham feels it is important that there be some level of specificity to show that a great deal of thought has gone into the project. The Council needs to determine and agree upon the level of specificity. Cantor does not feel it is too specific, but wonders if NSF will view it as too mission oriented. She wondered if this project might

be a good candidate for a partnership with EPA. In her experience, partnerships with agencies are more highly regarded. Also, with the partnership NSF would be less concerned that it is mission oriented. She feels NSF will be looking for something that is a link between the social and behavioral sciences and EPA. She further added that there is a Risk and Complex Systems category within the NSF budget that was added last year. Although there is no program, Neil Lane likes this idea, and has added a line in his budget structure for it. Cantor thinks the acting deputy, Joe Bordogna would find this appealing. In her experience, she feels like SRA would be more successful if it were to form a coalition.

Cantor added that SRA may want to contact a member of the Sub-Committee for Risk Assessment. Although they have become less active this past year, they have a research agenda. She recommends contacting Lynn Goldman from EPA who heads the Committee, as she would be a strong advocate. Cantor will determine what is going on with the Sub-Committee.

The proposal will go electronically from Graham to Haimes for his revisions. It will next be distributed from R. Burk to Menzie and Frey to add items that were included in the Advisory Board strategic session held yesterday, and then finally to the entire Council for its input.

Haimes commends Graham for his initiative and efforts on this proposal.

President Zimmerman restated that it is important that any implementation of this is done by individuals, not as an SRA initiative.

In preparation for Dr. Butz's visit, there was a discussion as to what the Council wanted to accomplish by his visit. Cantor noted that DRMS has received very few proposals in the last few rounds (approximately 50), and Butz is curious as to what is going on in the risk management community that they are not writing proposals for NSF. She thinks the Council should convey to him that the community is vital, and has a lot of exciting ideas. DRMS has a capacity to provide bridges to the ecological community, the engineering community, and the management community. We should stress the interdisciplinary nature of SRA, and convey that SRA feels this will be the most fertile area for new scientific ideas.

Secretary Report

Motion made by Graham and seconded by Flamm to approve the minutes of December 8 and December 10. Motion passed unanimously.

Treasurer Report

Price reviewed the financial report provided in the Council Handbook. Regarding the cash balance statement, he noted that the fund balances have all gone up. He stated that it has been a good year overall.

For the 1996 budget comparison, \$43K income over expenses was budgeted, but it will be closer to \$56.8K. This increase of income is due primarily to the Annual Meeting revenue. For the first time, ISEA will realize a profit from its Annual Meeting, and they are pleased.

Price also noted that an agreement has been reached between SRA and the co-authors (Cullen and Frey) of the Distributions book, thanks in large part to the efforts of David Burmaster.

Price also reported that the Finance Committee will be creating a guidance document for workshops that will be held in the future, that will be sent to everyone proposing a workshop for the Annual Meeting. Frey led a discussion as to whether SRA members who organize workshops should be reimbursed for travel expenses.

Motion made by Graham and seconded by Haimes to provide travel reimbursement and per diem of up to \$1K per workshop for SRA members. Motion passed unanimously.

Haimes thanked Price for his efforts as Treasurer, and a job well done.

Executive Secretary

R. Burk reported that the 1997 Membership Directory has been distributed.

Also of note is that the Canadian Chapter paperwork has been received and approved. The Secretariat will send a letter to the Canadian Chapter welcoming them.

In regards to the Annual Meeting, the Secretariat will actively promote the meeting to other groups (including ESNT, Journal of Air and Waste Management, Social Science Research Network-Cantor will forward this to Secretariat). Frey and Brown will determine on which web sites we can advertise.

Motion made by Haimes and seconded by Graham to approve \$2K for publicity for the Annual Meeting. Motion passed, with Price abstaining.

Web Page

B. Burk provided a review of the web page activities. The Council is pleased that the web page now exists.

Steve Brown is the Chair, and Frey is the Council liaison. Frey reported that several issues (providing links to consulting companies, links to position papers on political issues, links to job opportunities, etc.) have arisen, and Cantor stated that these are issues for the Publications Committee to discuss and determine policy. Price recommended that a web policy committee be created that reports to the Publications Committee. Graham thinks the Publications Committee will be able to handle these issues, but will consult the Council when necessary.

Dr. William Butz visit from DRMS

Dr. Butz is involved in economic research within the Social, Behavioral and Economic Research (SBER) directorate. He is visiting the Council to inform us on what SBER and the program Decision, Risk, and Management Science (DRMS) are doing in the risk field. DRMS is a program area within the Social Behavioral and Economic Research division of NSF. It is a small program, but is considered among many to be a great funder of risk research. He has asked that the Council provide him with what it feels are the leading edge issues for research in the DRMS area.

Dr. William Butz introduced himself. He would like to touch on several topics briefly: the NSF budget, an introduction to the new Assistant Director, status of major initiatives within the Foundation, and his view on the DRMS program and the hiring situation.

Haimes asked Butz how the SRA can help the DRMS program. Butz replied that in the last two cycles, 72 proposals were received in the DRMS, compared to 120 last year, and 154 the year before that. This current cycle is showing a slightly better rate (deadline is August 15th), but this is still a serious concern of his.

Butz is also looking for program officers. He would welcome SRA's suggestions as to who the best people would be to fill these positions. The positions turn over every one to three years.

In regard to the budget, Butz reported that the President's budget for 1998 has a 3.2% increase for NSF as a whole, and a 7.2% increase for the Social Behavioral and Economic directorate. This is one among several indications that there is a realization that social and behavioral sciences have suffered from under-investment and that it is time to make up for this. It is difficult to tell what will happen on the Hill, but indications are good so far. A few weeks ago, the House Authorization Committee retained that increase and in fact added to it for the SBE sciences.

NSF has three budgets, two money budgets (grant budget and NSF employee budget) and one personal FTE budget. This is supposed to increase or decrease with the overall budget, but since 1980 the NSF budget has doubled and the FTE's has increased by only 10%. OMB has indicated that the FTE slots may actually go down, and this may not work well with the budget increase.

The new initiative for the 1998 budget is called "Knowledge and Distributed Intelligence." This has three components: 1) "Learning and Intelligent Systems" (started last year), 2) "Knowledge Networking" and 3) "New Challenges in Computing." This is in the Presidents 1998 budget for \$38 million. Many of the first round proposals are quite good.

The new Assistant Director is Bennett Burtenthall, a developmental psychologist from UVA. His research thus far has been primarily on motor development with funding from NIH. He is an exceptionally quick learner and is becoming extremely effective.

Graham provided Butz with a brief overview of the idea of national risk centers throughout the country. Butz noted that there is a real commitment in NSF to create interdisciplinary centers right now, and said there may be considerable interest in this type of proposal. When asked if NSF funds training programs in addition to research programs, Butz replied that they do, and this proposal sounds like it would be appropriate. Butz feels that it is salable to have programs that emphasize training for people in mid-career, not just graduate students.

Cantor will send an email to the Council as to who the members of the advisory panel are at DRMS. Butz invited the SRA to create an advisory committee for him.

Haimes inviting Butz to participate in the 1997 Annual Meeting in Washington. If interested, he encouraged Butz to determine what type of session he would like to do before the upcoming program committee meeting in June. Cantor will speak with John Leiland from DRMS about the 1997 Annual Meeting to confirm the invitation and encourage participation.

Butz thanked the Council for meeting with him and welcomed ideas and advice from SRA.

SRA 2000

President Zimmerman stated that a number of people have been working on a proposal for the World Congress in Europe in 2000. She showed an overhead that described the proposed structure for the Planning Committee for the Congress. Zimmerman sees the purpose as having an international congress that would promote the exchange of ideas of risk issues, but also include a process to develop and obtain consensus on a broad set of principles on risk assessment, risk management and risk communication. The Planning committee would be the oversight committee, and would organize sub-committees in risk assessment, risk management, and risk communication. These sub-committees could work to develop these principles. [**"Principles" subsequently amended to "themes"**]

The Secretariat would be responsible for overseeing the administrative and financial aspects of the meeting. SRA-Europe has already been contacted. Graham noted that SRA-Japan and other societies would be contacted to co-sponsor the Congress. SRA national will have its Annual Meeting as scheduled in December 2000, probably in Washington DC.

Haimes recommended that while the Secretariat will negotiate the financial arrangements for the Congress, it should seek the approval of the Council. R. Burk noted that the Planning Committee of this Congress is still responsible to the Council, so the budget would have to go through the normal budgetary procedure.

Cantor is concerned about the divisive nature of developing principles. Price wondered if there has been enough discussion on global principles. Flamm added that more global discussions of this kind are needed to incorporate the risk practices of Europe and the rest of the world. Formulating principles can be a lengthy, debatable process, and Price wondered if we could gain consensus on meaningful principles in a matter of three days. Graham feels that it can be done by the kinds of people that will be attending the Congress, if we frame the assignment in such a way that the participants must have something by the deadline.

Menzie added that the obvious principles will arise out of this process, and in situations where they cannot come to consensus, we could showcase the differences and the reasons for these differences. Haimes and Graham noted that the sub-committees could accomplish a great deal of the work in advance, over the next three years. Haimes recommended forming an ad hoc committee to work on this.

R. Burk added that there must be one planning committee that oversees this process. This Committee will pull the Congress together and be responsible for the details. The exclusion of SRA-Japan was an oversight, and they will be added to the Planning Committee. Also, everywhere SRA-Europe is mentioned in the proposal, SRA-Japan will be added as well.

Graham asked if SRA should try to raise funds for each sub-committee to meet in person six months prior to the Congress. It was generally agreed that it should. The Planning Committee will also have to meet several times before the Congress. The Annual Meetings will be one opportunity for people to meet and increase the exposure of the Congress. Cantor recommended that SRA seek sponsors to help fund this program; Price and Graham concur. Graham thinks funds could be raised if the outcome would be a set of principles, but that it would be difficult to capture funding for a general conference without some sort of finished product. It was recommended that the Planning Committee put together a proposal for NSF and other organizations to fund the development phases (next three years). Cantor

can contribute greatly to this process. It was decided that Graham and Cantor would prepare the draft proposal that will go to Haimes and Zimmerman and then to NSF for funding of the planning stages.

Flamm recommended that the Planning Committees utilize the talents of the unsuccessful presidential nominees. Graham asked that the Committee discuss the issue of presenting the Congress in other languages as well as English.

Motion made by Haimes and seconded by Graham to approve the proposal and the flow chart for the 2000 Congress as presented with a budgetary impact of no more than \$5K for the calendar year 1997. Motion passed unanimously. [Subsequently, SRA-Japan has agreed to participate and Council amended "principles" to read "themes"]

Committee Reports

Chapters and Sections

Menzie reviewed his report provided in the addendum material. He estimated that approximately 40% of the chapters are in better than good shape, the majority is in OK shape, and a few (approximately 4) are really struggling.

Menzie is working on two initiative this year. One is a "how to" handbook for incoming presidents, and he has asked B. Burk for his assistance with this project.

The second project is the speakers bureau. There is currently a \$2K budget for this project. Menzie's recommendation to the Council is to create better ties between the Chapters and SRA national, by calling on the SRA leadership (especially the Council) to attend one meeting a year at the Chapter level. He is proposing 4-8 visits each year (4 this year, perhaps to the inactive chapters), which means that each chapter would receive a visit at least once every two years. He feels this will really help the struggling chapters and promote membership in SRA national. Menzie is being sponsored by the newly formed Canadian Chapter to attend its workshop in May in Montreal. Some Chapters will be able to afford this, others will not, and money can be used from the budgeted \$2K. To gather further information, Menzie will contact the Fellows and Council members to determine the level of support that may be needed. The Council approved this idea in principle and encouraged the process.

Conferences and Workshops

R. Burk handed out the generic workshop brochure that went out to all members. Each forum/symposium (4 approved thus far) will have an additional, more specific brochure.

The Judges and Juries Forum was held earlier this week and was successful. Approximately 30 participant attended, and the feed-back was extremely positive. Also, Elaine Faustman has a Forum organized for Annapolis, Maryland, and Betty Anderson will be holding the Annual Symposia in Monterey, CA in October.

Gifts & Grants

Gail Charnley is the Chair, and as she has just been appointed, there has been no activity yet this year.

Membership

After many iterations, the membership brochure is completed. Zimmerman thanked all those who contributed comments and also Lori Strong for the great job on producing the brochure. R. Burk will be sending five membership brochures with a stamped envelope to each member of the Council, who in turn can distribute them to colleagues who are not yet members of SRA.

Publications

Graham has arranged for discounts on several risk related journals. These will be advertised in the *Risk Newsletter*, and also on the web page.

It was determined that R. Burk would contact Curtis Travis to request a written report for the December Annual Meeting. Also at the meeting, Graham will meet with the Journal Editors.

Specialty Groups

Mulvihill will send the up-to-date list of Specialty Group leaders to the Secretariat and Mary Walchuk by the 15th of May.

Regarding the Annual Meeting, the Engineering Specialty Group is hoping to organize three sessions, and the RCSG is sponsoring a continuing education seminar on Sunday. The Risk Science and Law Group had three hours in the program last year, and would like to increase this to six this year. This is a common request and difficult for the Program Committee to manage.

Public Policy

Charnley was able to raise \$10K in order to conduct two educational luncheon sessions for Congressional staff, one of which was canceled because the key speaker backed out. The first one will be in June. On a separate note, Zimmerman will call Bill Farland about the possibility of EPA providing some long-term funding.

Future Meeting Locations

R. Burk reported that the 1998 Annual Meeting will be held in Scottsdale, AZ. Locations being considered for 1999 are San Diego, CA, Orlando, FL, or Miami Beach, FL. Irvine and Newport Beach were also suggested. R. Burk will have the Meetings Department at the Secretariat work on these suggestions. The Council agreed that the 2000 Annual Meeting would be back in Washington, DC.

Discussion followed regarding moving the meeting date up or back a week. Many university based members cannot attend because of the timing. Graham wondered if we could ask the university based members whether one week later would be better or worse. It was decided that the Secretariat will ask the university people if they would prefer to move the Annual Meeting to the second week of December.

AIHC contributed \$2K last year to fund a student paper on ecological risk assessment. SRA was unable to use this money since it did not have enough time to announce the topic and get submissions. SRA should develop a mechanism to notify all academicians and students that a scholarship is available to the best paper on the chosen topic. This could be done with broadcasts faxes and the web page.

University Programs

Cantor stated that there was a university roundtable held at last year's Annual Meeting. A few of the ideas that came out of the session were: how to network, using the web for thesis topics, and listing all dissertations that have been done in the risk area on the web. Cantor thought SRA could act as a clearinghouse for information for student opportunities (internships, job opportunities, etc. - even beyond the university opportunities). She thought it would be useful to hold another university roundtable at the 1997 Annual Meeting, and volunteered to continue this effort. She would like to narrow the discussion from last years roundtable and perhaps focus on the issue of sharing information.

She provided the Secretariat with a list of the fifteen university programs that participated. The list of people would like to receive further information.

On a separate note, Cantor mentioned that Jarabek's ad hoc committee on improved practices should be brought into the discussions on the principles for the 2000 World Congress and the university based centers proposal.

**Society for Risk Analysis
Hilton Head Island
September 6, 1997**

Executive Committee Members Present: Gary Flamm, John Graham, Yacov Haimmes, Paul Price, and Rae Zimmerman

Others Present: Brett Burk, Richard Burk, and Ann Landis

Annual Meeting

Yacov Haimmes thanked the Program Committee, Sue Burk and the rest of the Secretariat for their help in developing the Annual Meeting Program. Haimmes noted that there will be twelve "nugget sessions," with two speakers per session (45 minutes per speaker). Because these nugget sessions are new and may appear sparse to participants, Zimmerman suggested that a brief explanation be included in the Final Program emphasizing their purpose.

Haimmes believes contacting the Past-Presidents and Fellows of the Society assisted in developing an interesting program. The regular sessions will include four speakers per session. Haimmes will send a letter to all session chairs emphasizing that each speaker should strictly adhere to his/her time slot given in the final program. He will draft a letter of instruction and forward it to the Secretariat for distribution. Haimmes feels that the poster session has been promoted and upgraded this year. There will be a box lunch provided on Wednesday to enhance participation in the poster session given at that time. Zimmerman would like to continue to solicit posters from a few leaders of the society.

Haimmes is pleased with the Plenary Speakers scheduled. The first speaker on Monday morning is former Four Star General Alsleigh, who headed the National Research Council's Committee on the Challenger. Zimmerman asked Haimmes to include a few sentences in the final program introducing General Alsleigh. The Plenary Speaker for Tuesday is Bill Wolf, President of the National Academy of Engineering. Haimmes is still looking for a speaker for Monday's Business Lunch Meeting, and asked the Executive Committee for suggestions, preferably female. Zimmerman said a well known government figure would be appropriate since the meeting is in Washington DC. However, government figures are difficult to arrange because of the December time frame, and they are frequently called away at the last minute. Haimmes said that he already tried to arrange Shirley Jackson, Chair of the NRC, but she was unable to commit. Other suggestions were Carol Browner, Sally Catson, Lynn Goldman, Carol Henry, the Supreme Court Justices, O'Connor or Ginsberg, Gail Deplanque, and Greta Dikus. Flamm recommended an Argentinean at Columbia University in the Sociology Department, but could not think of her name. It was suggested that a back-up speaker be lined up in case the invited speaker cancels at the last minute. Also, Haimmes must make it clear that invited speakers are not to send

replacements if they are forced to cancel. Haimes will talk to Howard Kunreuther, who knows Sally Catson. He will also contact Betty Anderson for her suggestions and Peter Hutt for names of top litigators.

Haimes stated that there have been additional requests for sessions; John Graham and Sandia National Lab and NRC have proposed an exciting presentation on the Yucca Mountain, (8 speakers). Only 7 rooms are reserved for Wednesday afternoon, and Haimes requested at least 2 more rooms. R. Burk will try to add 3 rooms for additional sessions.

John Leyland is presenting from DRMS instead of Butz.

B. Burk reported that 240 abstracts have been submitted over the web, which is about half of all abstracts submitted. He also mentioned that approximately 90 people have requested membership applications or information over the web. This is a tremendous response for a new web page.

Haimes reported that the Program Committee tried hard to control the quality of the papers approved for the Program. One prominent professor was rejected, and withdrew his paper when he was later asked to participate in the program. It is difficult to judge a paper by the abstract, and this continues to be an issue.

Paul Price recommended that each session chair be asked to fill out a evaluation type form after his/her session. The form should be easy to fill out, and should include the name of the session chair, a list of the speakers involved in the session, session title, size of audience, comments on a.v., section for problems, and other questions that seem appropriate.

R. Burk reported on the Sunday Workshops. The procedures required in conducting a workshop have been approved and will be forwarded to each workshop organizer, giving them the chance to withdraw his/her workshop if necessary.

Publications

John Graham reported on the Publication Committee's activities. A memo from Graham dated 3 September, regarding the new Editorial Board structure was discussed. This revised Editorial Board was amassed from recommendations made by the Publications Committee, Area Editors, Editor-in-Chief and the Council to Graham. The members who have not previously served on the Editorial Board will be asked to serve a three year term, while the existing members will be asked to serve a six year term. Graham will write a letter asking each of these people to participate on the Editorial Board, and the Secretariat will distribute these letters. Graham plans to write a letter to the inactive Editorial Board members (this list developed through a conference call with the Area Editors) thanking them for their service, and ending their position.

Several changes were made to the list provided on the memo of 3 September. The final list approved by the Executive committee is as follows.

Editors who will be invited to serve a three-year term

Lee Abramson
George Apostolakis
Donald G. Barnes
Lawrence Barnthouse
Dennis Bley
Ann Bostrom
Thomas Burke
David Burmaster
Robin Cantor
Gail Charnley
Caron Chess
Roger Cooke
William Cooper

Alison Cullen
B. Fischhoff
Christopher Frey
Dale Hattis
Saburo Ikeda
Sheila Jasanoff
David H. Johnson
Stanley Kaplan
Roger E. Kasperson
Lester B. Lave
Joanne Linnerooth-Bayer
Ragnar Lofstedt
Roger McClellan

Ali Mosleh
Junko Nakanishi
Timothy O'Riordan
Nestor Ortiz
Elizabeth Pate-Cornell
Paul Portney
Paul Price
Ortwin Renn
Robert Sielken
Lennarty Sjoberg
William Vesely
Jonathan Wiener
Rae Zimmerman

Editors who will be invited to serve a six-year term:

Elizabeth Anderson
Louis Cox
John Evans
William Farland
Adam Finkel
Ann Fisher
John Garrick
David Gaylor
Michael Gough
John Graham
Yacov Haimes

Dan Krewski
Howard Kunreuther
Lester Lave
Douglas MacLean
Torbjorn Malmfors
Don Mattison
Thomas McKone
M. Granger Morgan
Nancy Neil
D. Warner North
David Okrent

Harry Otway
Dennis Paustenback
Christopher Portier
Peter Preuss
Paul Slovic
V. Kerry Smith
Chris Whipple
Richard Wilson
Lauren Zeise

A final memo will be prepared by Graham and distributed to the Council listing the final Editorial Board Member recommendations. They will be given the opportunity to provide feedback within a week to John Graham, then Graham will write a letter to all invited Editors to be distributed by the Secretariat. These people will be asked to begin January 1998.

Area Editors

Graham feels the new Journal structure is working well. The current Area Editors are Detlof Von Winterfeldt, Social & Decision Sciences, Paul Deisler, Health & Ecology and Vicki Bier, Engineering. Deisler has communicated to Graham that he does not wish to complete his term. The Health & Ecology area gets about 2/3 of all the submitted papers, so it is a very important position. It was decided that the Publications Committee would work to fill this position as soon as possible, but realistically expects the new Area Editor to begin January 1999. Deisler will be informed of this.

Graham will finalize the Editorial Board during his term as Chair of the Publications Committee. One of the first duty of the incoming Chair, Rae Zimmerman, will be the search for a new Area Editor.

As far as the process by which this new Area Editor will be chosen, the Publications Committee, or a search committee thereof, will solicit nominations from the Editorial Board, Area Editors, Fellows and Council. The letter requesting nominations will be drafted by Zimmerman and reviewed by Deisler, and then sent to the Editorial Board, Area Editors, Fellows and Council. The Publications Committee will then provide its recommendations (either an individual or a small slate of individuals) to the Executive Committee, who will in turn make its recommendations to the Council. This process will be brought up to the Council in the December meeting.

Editor-in-Chief

There is not a defined process by which the new Editor-in-Chief will be determined. When the new structure of the Journal was determined, it was considered feasible that the one of the Area Editors may emerge into the Editor-in-Chief position. The Publications Committee needs to find out from Elisabeth what, if anything was promised to the Area Editors in this regard. Discussion followed regarding the qualities desired for the Editor-in-Chief position. It was offered that the skills desired for an Area Editor may not be appropriate for an Editor-in-Chief, and the Area Editor position is not an automatic stepping stone of succession. Several Executive Committee members think the Editor-in-Chief should be a visionary, which is quite a different role from that of an Area Editor position.

The Editor-in-Chief will be determined in 1998 to begin in 1999. The 1998 Publications Committee (Zimmerman, Chair) needs to go through a process much the same as established for filling the Area Editor position, to determine the new Editor-in-Chief. The first duty of the Publications Committee will be to define the roll and the desired skills of the Editor-in-Chief.

It was recommended that a news article be placed in the *Risk Newsletter* as soon as possible, announcing that the Publication Committee and the Council are searching for the new Editor-in-Chief. The announcement will request that all recommendations be sent to Rae Zimmerman, incoming Publications Committee Chair, by December X (after the Annual Meeting). The article should include some criteria for the position. R. Burk thinks this has already been established by the Publications Committee when Tardiff was Chair. He will research this and send it to the Executive Committee. After the Executive Committee has reviewed and perfected the job description, they will ask for Council input and approval. Once all nominations are received, the Publications Committee will narrow the list and make recommendations to the Council. The Publications Committee can, but does not have to go through the Executive Committee before it brings its recommendations to the Council. It will be important to defend the selection, and Flamm added that this will be done by developing criteria that objectify the position. This criteria will justify the selection. Haimes would like this process down on paper, to add to the procedures notebook. R. Burk will send the work that has already been done on this topic along

with sample criteria from other Societies to Haimes, and Haimes will develop this into a draft procedures/criteria statement. This established process that will be utilized every five years.

Zimmerman feels it is appropriate for the publication committee to develop a slate of candidates rather than a single candidates. This requires further consideration.

Discounts on Journals

Graham reported that SRA has negotiated discounted journal rates (without reciprocity) for SRA members with four journals (list journals). R. Burk said that the membership will be notified that these discounts are available, and that interested individuals should contact the publisher directly, with his/her SRA membership number to receive this discounted journal. At the end of the year, the Secretariat will contact each publisher to see how many people took advantage of this offer. SRA already has already offered "Risk Health Safety" to its members at a discounted rate, but the Secretariat collects the payments, and receives a small profit. Collecting money for the additional journals would be a very time consuming job for the Secretariat, so the members will be asked to contact the journal publisher.

Newsletter

Zimmerman feels the new *Risk Newsletter* Editorial Office is doing a good job. R. Burk feels like they would like to be a little more creative. The Executive Committee wondered whether the newsletter Editor is going to increase the page number and therefore keep the current budget, or keep the page number down, and receive a decreased budget. Flamm would like to inform the members of the good things that are going on with the *Risk Newsletter*. Price thinks it would be nice to report this success story to the membership at the Annual Meeting in terms of the financial ramifications of the new editorial office.

Web page

Zimmerman thinks a set of criteria regarding web page policies should be developed so that the Web page subcommittee is able to determine solutions to issues that arise. Price noted that there are already many issues to decide upon, and that this will continue to increase substantially. He feels very clear criteria are needed, and stated that it would be unfair to ask Steve Brown to develop these criteria. This is a big job, and the Publications Committee probably can not handle it because of all the issues they already face. It was felt that this subcommittee should be made into a standing committee at the next Council Meeting, but that it be kept small.. It was suggested that eventually the newsletter and web form a new committee. The Executive Committee will recommend to the Council in December that the web subcommittee become a standing Committee, with Chris Frey as the Chair. Chris Frey will be contacted by Zimmerman to chair the Committee. Until then, Frey will be asked to monitor the subcommittee and make decisions based on the criteria that he defined with input from Steve Brown. Frey will be asked to select one or two members to join the Committee. The Committee will also include Steve Brown, Brett Burk, and Price as an ex officio member. Frey will also be asked to bring to the Council in December the criteria (most of which they have already done). Flamm requested that

the web page success be emphasized at the Annual Meeting. The Executive Committee endorses the proposed guidelines provided on page 17 and 7 of the Meeting notebook. regarding the web page.

Haimes thinks it is appropriate to address the questions/concerns raised at the 1996 Town Meeting at the Business Meeting of the 1997 Annual Meeting. The Secretariat will get the notes of the meeting from Michael Zint, and from Haimes so that each issue can be responded to. The Membership Committee needs to be informed that they are responsible for taking notes in future years and providing these to the Council, so that the Council can discuss them at the Spring Council Meeting. Price feels this is an important resource and management tool for the leaders of the Society. It is important to formally address the feedback from the membership. It was agreed that the concerns brought forth at the annual town meeting will be addressed each year.

Haimes would like to remind/inform the membership that many procedures (i.e. appointing area editors, editor-in Chief, electronic media criteria) are being developed and suggests that they be published in the *Risk Newsletter*. Price agreed, and stated that he would also like to include the financial procedures (i.e. workshop costing worksheet), and recommended that these procedures be included on the web page as well as the newsletter. It may not be cost-effective to include these in the Society Directory.

SRA 2000

The updated SRA 2000 Prospectus is included in the Meeting Notebook, and Zimmerman would like to note that this has now been approved by the Council, SRA-Europe and SRA-Japan.

The Planning Committee will consist of 6 people, four people from SRA (President, President-Elect, Past-President, and President-Elect Designate), one representative from SRA-Japan, and one SRA-Europe representative). The Planning Committee will select the Organizing Committee.

The Secretariat will handle all administrative work and will coordinate with SRA-Europe. Price mentioned that this additional responsibility will need to be considered when developing the 1998 budget and the new Secretariat contract.

Fund Raising

This year Vicki Bier and Robert Clement are on the DRMS proposal review panel. Haimes will provide a NSF prototype proposal to the Secretariat, and from that an NSF proposal can be developed.

NSF - Cantor with help from Haimes

Private Sector - Graham

EPA - Zimmerman will contact Bill Farland to determine the appropriate contact person

DOE - ?, perhaps Art Upton, Bernie ? Graham will call Bernie to discuss DOE assistance

Before developing a proposal, a budget must be determined. Graham would like to build into the budget enough money to fund 20-30 foreign participants. Price feels bringing all these international representatives together will help legitimize the project. Graham suggested that we ask each of the countries targeted to nominate one or two participants.

The Secretariat will work with Price to develop a budget. It should include the following expenses:

- 6 Meetings of the planning Committee (3 per year, six people each)
- commission 10-15 white papers (\$3,000 - 5,000 per)
- travel expenses for 20-30 foreign participants
- 4 theme sub committee meetings (chairs only)

Haimes suggested the use of campus housing to keep the costs to a minimum. Haimes also thinks we should approach UNESCO and NATO, World Bank, and include developing countries in the participating countries.

The two sections need to be approached as to how much money they will be able to raise for this Congress..

Haimes suggests paying an individual (perhaps \$10) for the purpose of developing all these proposals, to include all the follow-up as well. He feels this is the best way to bring in large amounts of money. Cantor was one recommendation for this contract.

Graham was concerned that SRA-Europe was not having a meeting in the year 2000. Originally, the Congress was going to be tacked on at the end of its Annual Meeting. And further that now the scientific program will be collapsed into the Congress (of their own research). Haimes s feels that it might capture more participants if they do not hold a meeting, because all the people that would have gone to SRA-Europe will now probably attend the congress. Price noted that SRA-Europe will not have control over what papers are accepted. Some of the issues that face the Planning Committee and the Organizing committee were discussed (i.e. quality control on papers, call for papers, financial ramifications to SRA-Europe, and other conference procedures). Price will draft a letter (to be reviewed by Zimmerman and Burk) to SRA-Europe stating that there will not have to assume any liability, and thus will not receive any profit sharing.

To provide quality control, Price suggested that each proposal submitted must be three pages and peer reviewed. This would also assist in the publication of proceedings. On the other hand, rejecting papers would decrease participation and registration fees. Also, the white papers would be peer reviewed, and would thus control the quality level.

Also, the wording of the prospectus will be changed to state that SRA-Europe "will not" hold its Annual Meeting, rather than saying is "does not intend" to hold its meeting, which is a little vague. Also, the prospectus needs to make clear that Zimmerman is Chair. It will also be added the Planning Committee will determine the Program Committee. The diagram presented at the May Council Meeting will be attached to this Meeting Prospectus to clarify organization.

The Planning Committee will try to arrange conference calls every month or so. The first meeting will be in person and will take place 29 October. Perhaps the Europe and Japan representative can be conferenced in. Both Charnley and Cantor will be invited to attend this meeting since the election results will not be determined yet. It is also hoped that the presidential candidate that does not win will play a large part in the Congress as well.

Finance Report

Price reviewed the audited figures of 1996. They show that excess receipts over disbursements is \$48,872 (about \$4,000 higher than budget). This is due in large part to the well attended annual Meeting.

He reported that ISEA has been paid \$5-6K for their participation in the joint 1996 Annual Meeting. The budgets for the projects are declining because the projects have been active and are almost complete. The Developing Distribution project is complete, and publishing contracts are being negotiated. Payments have gone out to Cullen, Frey, and Harvard and to a smaller degree, Price, Burmaster, and Hoffman.

CHECKS TO GO TO ALL OTHER PEOPLE INVOLVED (HOFFMAN, PRICE, BURMASTER, ETC.)

The Finance Committee needs to consider the investment of excess funds. Conference calls will be set up to discuss this issue, in addition to the 2000 Congress budget and the BAI contract. The Secretariat will determine the amount that can be invested, and provide that to Price. It was also requested that R. Burk send the SRA/BAI contract to the Executive Committee.

Procedures and Guidelines

The procedures for xxx, cccc, and xx were reviewed. These procedures have the endorsement of the Executive Committee.

Zimmerman would like to have some evaluation of workshops and forums. B. Burk said this is being done to a certain extent, when reviewing workshops. Also evaluation forms are collected at the end of each workshop and considered by the Conference and Workshops Committee.

HAIMES WOULD LIKE A LIST OF THE COMMITTEE CHAIRS AND THEIR MEMBERS SENT TO HIM BY THE SECRETARIAT.

SRA Position Statements

Zimmerman will contact Garrick, Chair of the Advisory Board, and let him know that the Executive Committee would like the Advisory Board's guidance regarding this issue. They will be asked to draft the survey that will go to the membership regarding position statements.

Committees

Advisory Board

The Executive Committee reviewed the third report of the Advisory Board. Zimmerman feels like we need to make more progress on the Board recommendations. Graham feels that the Executive Committee needs to take action on recommendations made by this Board, since they are some of the most experienced members of the Society. rather than wait for the council to . It is very important that we react to the hard work that the advisory Board has done.

Haimes reported that he is a member of a committee that is organizing about 12 workshops and symposia over the next two years, the next of which will be held in Washington DC soon. He agrees with the recommendations made by the Advisory Board, and will begin to develop the ideas provided regarding natural hazard, and report back to the Council in December. He will work with Howard Kuenruther and Walter Hayse to put together the special issue of the Journal.

R. Burk will send out the report to the council, tell them that Haimes is developing the special issue of the Journal and the other Natural Hazard ideas, and ask them to address the issues appropriate to them. R. Burk will advise the Council that we are going back to the Advisory Board do the Survey. Workshops for Anderson, Annual Meeting program for President-Elect. Graham suggested that these reports be placed in the Newsletter and volunteers can be elicited, as this is too much work for the Council alone. In addition, Zimmerman has decided to call a Saturday Council meeting with the Advisory Board invited also, that could boil these Advisory Board reports into specific actions with people assigned to them. This would be a meeting to assign action, and implementation the reports. Price recommends that these projects are then put on the web page and request interested volunteers. After this meeting, the issues could be put in the Newsletter and Web asking for volunteers to work on these. R. Burk will arrange the room space at the Annual Meeting. Zimmerman will report back to Garrick on the reaction to Interim Report, and request that the advisory Board provide the instrument for surveying the membership.

Nominations

There is no written report from the Nominations Committee. Elisabeth Pate-Cornell is in the process of contacting several possible candidates to see if they will run. It is hoped that the slate is determined by next week so that the ballots can be received at the Secretariat office by 1 November.

Cullen - Freudenburg

Awards

It was decided that the Awards Committee should include the Executive Director for his/her input.

Distinguished Achievement - Arthur C. Upton, agreement

Outstanding Service -

Discussion followed regarding Anderson's extensive services to the Society (Gifts & Grants Committee, and Conference & Workshops Committee), and decided to recommend her for the Outstanding Service Award. Deisler is also favored for this award, but will not be recommended at this time because he is currently on the Committee.

Steve Brown, has done an extraordinary job on starting the web page, and has worked, and continues to work extremely hard. It was decided to recognize Steve Brown with a "Presidential

Award" with the acknowledgment to his unique contribution in establishing the Societies electronic communication, and his tremendous effort". It was decided to establish a special "Presidential Recognition Award" that will consist of a certificate, rather than a plaque. Steve Brown will be recommended for this "Outstanding Service Award" in the coming years.

R. Burk will report back to Tardiff that the Executive committee recommends Betty Anderson for the Award this year.

Outstanding Risk Practitioner - Dennis J. Paustenbach, there is agreement that he is a Young Risk Analyst - Ann Bostrom

Fellow - Discussion followed as to how many Fellows can be added each year. It was recommended by the Council last year that the Awards Committee limit their choices to 2-3 Fellows per year plus the Past-President. R. Burk will express this to Tardiff.

The Executive Committee ranked the slate of very qualified candidates as follows:

Richard Wilson

Lauren Zeise

Dale B. Hattis

Rae Zimmerman

David Okrent

Mary English

Melvin E. Anderson

Conferences & Workshops

Betty Anderson has done a great job this year.

Gifts and Grants

Charnley has just completed the organization of the Congressional Luncheons, and has been in touch with R. Burk regarding fund raising. R. Burk will provide assistance to Charnley to assist her in this assignment.

Other

SRA-Europe 97 Conference

Zimmerman attended this meeting in Stockholm. There is an extensive article in the Newsletter. Zimmerman was impressed by the attendance, energy, content. They produced a thousand-page abstract issue. About 300 attendees, only 12 from US and Canada. Large number of Russian participants. Eremenko has been wanting to become a section, but many feel he would not be a proper organizer of this, and in fact are content with the arrangement with SRA-Europe.

Quarterly Reports

Zimmerman will produce and circulate her report to the Council, Chapters and Section chairs

Minutes and Open action Items

These were reviewed, and each member indicated which action items were completed.

University based Centers

Graham handed out his revised "Proposed Statement of the Council" requesting Congress to create university based activities, and he asked that each member of the Executive Committee

review this document and be prepared to stimulate discussion at the Council meeting in December. Haimes had one final recommendation to the document, and Graham will revise it again, and the Secretariat will include this in the Council notebook for the December meeting.

Levin-Thompson Bill

Graham recommended that this be a topic on this agenda. The hearing is September 12. If SRA were active in taking position, this would be a good topic. Graham asked if issues surrounding the Levin-Thompson Bill were being discussed at the Annual Meeting. Perhaps we should include a slot in this meeting and in future meetings for current legislative issues - Legislative Roundtable..

Professional Society Affiliation

Zimmerman has appointed SRA/AAAS members to be our representatives in the various sections of AAAS. Haimes - Engineering, Slovic - Psychology, Faustman - Medical Science, Zimmerman - Social, Economic & Political Science Michael Cameron - Science This is a three year term.

PSAM. We will be a cooperating organization in their upcoming 1998 meeting, as approved in the May Council Meeting. Mulvihill was to approach PSAM to participate in the off years in the SRA Annual Meeting in the way of workshops that would provide profit to SRA. Price and Haimes feel we should offer PSAM our support however we can, to enhance the relationship between PSAM and SRA. Price would like to offer them slots in our program.

RAPA - journal discount?

SOT would be beneficial to SRA-2000, since SRA-Europe is weak in toxicology. Price feels there could be competition between SRA and SOT. He feels that we should embark on joint ventures were it seems appropriate.

**SOCIETY FOR RISK ANALYSIS
COUNCIL MEETING
Washington, DC
7 December 1997**

Councilors Present: David E. Burmaster, Robin Cantor, Gail Charnley, William Farland, W. Gary Flamm, H. Christopher Frey, Yacov Y. Haimes, Annie M. Jarabek, Charles Menzie, Thomas McKone, Robert J. Mulvihill, Paul S. Price, and Rae Zimmerman

Councilors Absent: John D. Graham

Others Present: Brett Burk, Richard J. Burk, Alison Cullen, Dale Hattis, Philippe Hubert, Peter Hutt, Bert Kramer, Ann Landis, Tim McDaniels, Dennis Paustenbach, Gen Roessler, and Mary Walchuk

President's Report (Zimmerman)

President Zimmerman welcomed the council, established that a quorum was present, and accepted the amended agenda.

President-Elect Report (Haimes)

Haimes has several objectives he would like SRA to pursue during his Presidency. His four primary objectives will be the integration of the cultures within SRA, the establishment of SRA as a primary society, the continued effort to keep the journal the heart of SRA, and the building of an appropriate amount of reserve funds to secure SRA stability.

Regarding the 1997 annual meeting, Haimes is pleased to report that pre-registration is higher than in years past and many more registrations are expected on-site. He thanked the Program Committee for its work in putting together a great program. It was recommended that the workshops be listed in the final program for the 1998 annual meeting.

Secretary Report (Flamm)

Flamm moved and Cantor seconded to approve the minutes of 2 May 1997. Motion passed unanimously.

Treasurer Report (Price)

Price reviewed his finance report. 1996 was a good year financially for SRA due in large part to the high attendance of the New Orleans annual meeting.

The projected 1997 revenue is on track and may actually be greater than budgeted. The hotel costs (primarily catering) at the Hilton are substantially higher than anticipated for the 1997 annual meeting, so the increased revenue will help off-set these expenses. In an attempt to reduce the catering charges, there were two SRA sponsored lunches instead of three. The other was added as a cash lunch. The Hilton contract was entered into 3 years ago at which time the space and catering were locked in. The areas surrounding Washington have been capturing a lot of business due to extremely expensive DC costs.

Price expects to finish the year under budget for the Newsletter and Journal offices. There are now four journal offices to support instead of one. None of the three area editors has expended the entire \$5,000 budgeted for each of them. The ad hoc Committee on Electronic Media will also finish below its \$3,000 budget for expenses. Burmaster asked if accepting abstract submittals on the web increased participation. B. Burk replied that it was a learning year with some minor glitches, but over 200 abstracts submittals were received via the web. Also, SRA has received 150 membership applications over the web page.

Executive Secretary (Burk)

R. Burk reviewed the tellers report. The election results were as follows:

President-Elect	Gail Charnley
Secretary	Tim McDaniels
Councilor	Alison Cullen
Councilor	Dale Hattis
Councilor	Dennis Paustenbach

SRA experienced a 10% increase in membership over the last year. There was a 600 member increase, due in part to the European meeting, whose attendees automatically became members. Farland wondered what the council thought was the ideal size for SRA. Is the membership growing too fast, or not fast enough? This topic has not been discussed, but the council should be considering this issue. Jarabek will raise this issue at the membership meeting.

SRA must also consider the meeting size. Does the membership want to keep the meetings intimate or continue to expand them. Farland suggested that there are many possibilities to consider, for example, a smaller meeting format with a new focus on workshops and local forums to meet membership needs. Farland thinks these smaller workshops are more likely to be funded by outside sources. Frey added that he is aware of other societies that hold smaller specialty conferences that are very successful. McKone thinks this might be an opportunity to fill the niche on the risk assessment guidelines. They are looking for ideas right now.

The possibility of involving local chapters and cost/benefit sharing was suggested. Menzie commented that this would enhance the relationship between chapters and national as there is a strong interest in attracting national support. National is organizing a speakers bureau, and perhaps it could incorporate these specialty conferences. SRA could help the chapters develop these specialty conferences with topic and speaker suggestions. Farland recommended that topic areas be publicized and SRA could request applications from the chapters. The council endorsed these ideas, and Menzie will raise them at the Chapter Breakfast.

McKone agrees that this could work if SRA-National helps with hot topics and speaker names. It is still a difficult job, so perhaps SRA should create a workshop "how to guide" for local chapters. Jarabek thought it might be helpful to have a liaison between the Chapters & Sections and Conferences & Workshops Committees. McKone suggested that a local chapter member be asked to act as a representative to keep the information flowing between the committee and the chapter. There would need to be some incentive for the local chapters to cosponsor these specialty conferences. It was recommended that SRA-National provide financial support and share the profits. The Secretariat would need to be involved in all contract negotiations.

The 1997 workshops/forums brought in and expended a lot of money. Participation in a workshop/forum does not automatically make the attendee a member in the society. It was done in the past, but many people wanted money back if they did not wish to join.

The proposed "annual meeting guidelines" provided in the council booklet were reviewed.

Haimes moved and McKone seconded to accept the guidelines. Motion passed unanimously.

Haimes moved and Jarabek seconded to adopt the annual meeting workshop procedures. Motion passed with Burmaster opposed.

Committee Reports

Advisory Board

Zimmerman would like to approve some sort of mechanism to take action on the Advisory Board recommendations. She reviewed some of the topics that were included in their previous reports.

Merging of Cultures

Cantor is not sure that a Risk Management specialty group would blend the cultures as the Advisory Board intends. McKone wondered if the group name should be changed to include policy management. Charnley agrees with adding the policy dimension, as it would broaden the interest in the group. Cantor pointed out that the council has already made a motion stating that it would be receptive to a proposal to create such a specialty group, but no one has stepped forward with one.

Jarabek wondered if the specialty groups could address this merging of cultures issue. Mulvihill will need to get the specialty group heads together to discuss this. He will inform them of the charge and ask them to discuss the issue, and provide progress reports to the council.

Peter Hutt commented that this interdisciplinary approach only works when there is a specific issue identified on which to work. McDaniels agreed. Mulvihill will arrange a conference call between the specialty group heads. Menzie stressed that this is a very important issue because this is the factor that makes SRA special. Charnley will try to incorporate this concept into the annual meeting. Burmaster added that the two books SRA has been instrumental in publishing are truly interdisciplinary, and he will consider ideas for more books.

Natural Hazards

Haimes is working on a special issue for the journal. He will continue to move ahead on this action. He is currently involved in workshops, and just completed a study on commission. A special panel could be added to the annual meeting in addition to the journal issue.

Risk Education

SRA does not currently have an Education Committee, and the Advisory Board recommends that one be established. Also, the web could be an effective vehicle for educational purposes. Cantor suggested providing links to established educational programs. She will begin to determine appropriate links at the university-based roundtable, and will work with Frey/Brown to get them on the SRA web page. Farland added that there are other target groups (Congress, physicians, lawyers) who would benefit from these educational activities.

Risk Informed Performance Based Regulation

It is felt that this is an important issue, but not well defined. The council will ask the Advisory Board to sharpen up the issues. Perhaps this could be best dealt with in a workshop situation.

Farland moved and Burmaster seconded to go back to the Advisory Board and ask them to better define the performance based regulation issue. Motion passes unanimously.

SRA Positions on Legislation

This issue continues to surface regularly. A motion was passed last May to poll the society members for their

opinions. Ann Fisher did this some time ago. Hutt stated that at the time the decision was made to keep SRA a neutral forum for all points of view to debate issues, but not take positions. The concern was that SRA would have majority and minority opinions and view points. This would divide the membership and drive members away from the society. Hutt feels it would cause serious problem if SRA began to take positions. The society is charged with fostering risk assessment in a global sense. Farland supports SRA taking positions on general issues. Taking positions on technical issues versus policy issues was the sticking point, and this was never resolved. Paustenbach noted that SRA is not the only organization wrestling with this issue. He thinks there is a trend among larger societies to take positions in order to attract more members and become influential. Paustenbach will survey several other societies to determine if they take positions and to find out their mechanism for determining the positions. Societies like the American Economic Society, who do not take positions will be surveyed as well. He will report back to the council at the spring meeting. Cantor feels that Paustenbach's research will help determine many mechanisms for SRA to state opinions. Harvard, for example, produces white papers that are very useful, but are not position statements.

Awards

R. Burk reported that the 1997 annual awards were awarded as follows:

Distinguished Achievement Award	Arthur C. Upton
Outstanding Risk Practitioner Award	Dennis J. Paustenbach
Outstanding Service Award	Elizabeth Anderson
Chauncey Starr Award	Ann Bostrom
Presidential Recognition Award	Steve Brown
Fellows	Richard Wilson, Lauren Zeise, Rae Zimmerman

Chapters and Sections

Menzie reported that approximately 40% of the chapters are doing very well while three or four are really struggling. Nevada and a few others are beginning to group together. He has put together a draft "how to" book. He asked that the council members review the draft and get back to him with comments. This will be distributed to incoming chapter presidents and to groups interested in forming a chapter. About six chapters have web sites. Menzie encouraged council members to attend the Chapter Breakfast.

Haimes visited the Chicago chapter piggybacked on another meeting he was attending. Zimmerman visited the Northern California Chapter. Menzie was surprised the \$2,000 speakers bureau budget was not all spent.

The council reviewed the formal petition for Pugett Sound chapter.

Haimes moved and Zimmerman seconded to approve the formation of the Pugett Sound Chapter. Motion passed unanimously.

Gifts & Grants

Charnley reported that she has personally raised \$13,000 and will be sending letters this week to corporation who have contributed in the past and to those who are likely to contribute in the future. These contributions would be unrestricted funds.

Since Charnley will be busy with President-Elect duties, Haimes will be appointing a new chair. He asked for recommendations and volunteers. In the past, committee members have been responsible for making many phone calls to prospective contributors. Burmaster suggested that it is probably more appropriate for this task to be performed by academicians.

Grants Management Committee

Cantor stated that SRA received no grant proposals this past year. She is concerned by this and wonders what

can be done to encourage submittals. Price thinks SRA should explore a mechanism to have EPA come to it when they have projects. Haimes asked if SRA could be a proposal reviewing resource for EPA. Farland stated that EPA has gone to outside groups for independent review panelists, and thinks this could be an opportunity for SRA.

The REAP project is almost complete. Developing Distributions project will be ready for production in January 1998.

Membership

Jarabek said that most of the concerns brought up by the Membership Committee have already been addressed by the preceding committee reports. She thanked Caron Chess and Zimmerman for starting and completing the new membership brochure. Jarabek also thanked Chess for providing her with a very useful SOP booklet when she took over as chair.

The Membership Committee would like the name of the membership meeting changed to the Member Forum and would like it to be held on Monday of the annual meeting. It would also like the new members to be identified with a special ribbon or sticker.

The Membership Committee is very pleased with the progress of the web page. The electronic submission of abstracts was something they had pushed for, and were pleased when it was accomplished. Frey added that the web site could be helpful in the future in addressing membership concerns.

Publications

Zimmerman is incoming chair. She reported that Deisler would like to be replaced as area editor, and that Curtis Travis is finishing his term in December 1998 and will also need to be replaced. Her Publications Committee will be writing the job descriptions and would like to be able to include it in the next newsletter issue. She asked the council to come to her with suggestions. Currently the area editors are budgeted \$5,000 for expenses, but the Editor-in-Chief gets a \$2,000 stipend plus expenses. Paustenbach wonders if this stipend should go to the area editors. Flamm noted the job description should include the fact that the Editor-in-Chief must work with area editors and an editorial board that he/she has had no input in selecting. It was suggested that the committee review other models before finalizing the job descriptions.

Nominations

Paustenbach asked why there is pairing on the ballot. It was explained that this is done in an attempt to keep a balance of disciplines on the council. Usually the slate has pairs of people from the same disciplines, but it is not always easy to identify a person by one field. Flamm feels it is a reasonable thing to do, and is concerned that the council would consist of primarily engineers and health related individuals if the process was changed. The council has had a large number of engineers to reach out to the engineering field. Paustenbach feels we can not force this anymore. The society has balanced itself out over the past 18 years.

Specialty Groups

Mulvihill reported that things are going relatively well within the specialty groups. A few groups have had some communication difficulties during the year. He is especially impressed by the law group, and is also impressed by the fact that the engineering group has been active in this annual meeting by contributing forty papers to seven sessions. There are also two poster sessions related to engineering.

Other Business

SRA-Europe

Philippe Hubert presented a report from the European Section. He stated that the participation at their annual meetings is increasing every year and that they are experiencing increased membership as well. There are

currently about 350 European members.

SRA-Europe has launched a new journal, the *Journal of Risk Research*. They are very proud of this achievement as it is a difficult undertaking. Paustenbach congratulated their selection of Ragnar Lofstedt as Editor, as he is very effective.

Although they have been experiencing difficulty in communicating with SRA international, it has been improved with the use of email and continues to get better all the time. They do not want to establish their own administrative office. The major difficulty is that the location and accounts would change every time the President changed. Hubert added that it is difficult dealing with members from several countries. Cantor asked if any good practices have been developed to streamline this. They are working on a strategy. Menzie asked how the chapters were doing. He also wondered if there was good communication between SETAC-E and SRA-E. Hubert replied that currently there is not communications between the two groups, and Menzie said he would try to provide Hubert with a SETAC-E contact.

Hubert noted that there are 25-30 Russians attending the SRA meetings. He added that the Russians are very positive participants. SRA-E provides a great deal of travel money for their attendance since they are invited. The Russians would like to have group memberships, and Hubert thinks this will be done next year. Jarabek suggested using the web page to assist in communications. Hubert would like to discuss this idea further.

NSF

NSF is still looking for a program director. SRA may want to have a bulletin board on its web site. The ad hoc Committee on Electronic Media will discuss this.

Outreach through Institutional Activities

Cantor suggested that SRA try to involve students in the annual meeting workshops. They are very expensive so SRA should consider a student policy.

McKone moved and Paustenbach seconded to have the Conferences and Workshops Committee determine a reduced rate for students to attend the annual meeting workshops.

Cantor feels there is a lot of opportunity on the web site. SRA should get linked to the agency centers, and display opportunities in an "opportunities area."

Zimmerman thanked Secretary Gary Flamm and Councilors David Burmaster and Tom McKone for their excellent service to the council and the Society.

Adjournment

Meeting adjourned at 5:00 pm.

**SOCIETY FOR RISK ANALYSIS
COUNCIL MEETING
Washington, DC
9 December 1997**

Council Members Present: H. Christopher Frey, Yacov Haimes, Rae Zimmerman, Gail Charnley, Robin Canton, Dennis Paustenbach, Dale Hattis, Alison Cullen, Annie Jarabek, Paul Price, Tim McDaniels, William Farland,

Council Members Absent:

Others Present: Brett Burk, Richard Burk, John Graham, Ann Landis, Ragnar Lofstedt, Steve Brown

President (Haimes)

President Yacov Haimes recognized that a quorum was present and welcomed the new council members.

As the grass roots of the society, Haimes intends for the SRA committees to be responsible for the bulk of the initiatives of SRA. For that reason he feels it is important that a council member be either the chair or council liaison of each committee. The council needs to focus its time on setting the policies and standard operating procedures of the society.

Publications Committee Report

1997 Report (Graham)

Graham thanked the council for its attention. The publications committee has been involved in two major activities recently - the expansion of the Editorial Board and the expansion of journals available to the membership. The Publications Committee felt it was time to update the Editorial Board. With input from the council the committee reconstructed the Editorial Board, and the new board is approximately doubled in size. Graham thanked the council for their input in selecting the appropriate people. The new members have been invited to serve for three years, while the continuing members have been asked to serve a six-year term. With this structure, the publications committee will have the opportunity to re-appoint board members or select new ones every three years. The council now has control, through the publications committee to continually update and modify the editorial board. Graham does not have the final list of members, as several have not replied to him. Michael Gough was the only invitee to decline his services. He asked that the council encourage his participation. Graham noted that the Publications Committee made a special effort to capture an editorial board with more of an international flavor than it previously had. There is also more discipline diversity and a greater gender balance. A few people who had not been active on the editorial board were sent a letter thanking them for their assistance on the board, and stating that they were not being reassigned in an attempt to give new people a chance to serve on the board. Graham stated that although it is not in writing anywhere, the terms were intended to begin in January 1998. He asked that the Secretariat help him make sure that the new list of editorial board members be in the next possible SRA Journal. President Haimes thanked Graham for working on this important project.

The second initiative of the publications committee is the opportunity for SRA members to receive other risk-related journals at a discounted subscription rate. The committee has tried to identify journals in which the members would have a special interest. So far, HERA, Risk Health Safety and Environment, Journal of Risk and Uncertainty, and the Journal of Risk Research have agreed to offer a special rate to SRA members. Risk, Decision and Policy, Journal of Exposure Analysis, and Environmental Epidemiology are being finalized. There are more journals that would be of interest to the members, and he hopes that Zimmerman will pursue these. Haimes agreed that this should be continued by the new Publications Committee and asked that they make recommendations to the council at the next meeting. To notify the members of this opportunity, an advertisement will be placed in the Newsletter telling the members to contact the publisher. Paustenbach asked if the journals could be listed on the dues renewal notice explaining that members are more likely to get compensated by their employers or tax break. This is a difficult administrative job, but will be considered further.

1998 Report (Zimmerman)

During the last few days Zimmerman has had extensive conversations with the Area Editors (von Winterfeldt, Bier and Deisler) and Editor-in-Chief Travis. As background, Zimmerman reviewed the restructuring of the journal that occurred under Pate-Cornell. Currently the area editors review papers and make recommendations as to whether the paper gets published. The manuscripts are sent to the area editors directly. On policy issues, the area editors submit to the Publications Committee. The Editor-in-Chief does not meet with publishers, but has input on special issues, makes recommendations to area editors, packages the articles into a single issue, and puts the table of contents together. He gets a large volume of phone calls that are referred to the area editors. Zimmerman sees the current role of the Editor-in-Chief more like a managing editor position. She also noted that Travis will rotate off as Editor-in-Chief at the end of 1998 and that Deisler would like to rotate off as well. McDaniels likes the managing editor model, and thinks that any other approach would cause problems with the area editors. Frey noted that the title "Editor-in-Chief" connotes honor and suggested that SRA may want to maintain that name even if the role is one of a managing editor. Farland suggested calling the position "executive editor" with special functions.

To fill these positions Zimmerman and her committee will formulate the job descriptions, and in the mean time put a non-specific announcement in the newsletter and on the web page telling anyone who is interested to contact her for more information. Hattis thinks some of the basics could be included right away (stipend, how many submissions, etc.) to help weed out candidates.

Hattis asked if the Editor-in-Chief invites editorials. Zimmerman said this continues to be an issue, but added that one of the area editors would be responsible for reviewing the editorials since nothing is published in the journal without being peer reviewed. Cantor asked if the Editor-in-Chief is a member of the Publications Committee. Zimmerman replied that he/she is not, and noted it was designed this way so that the Editor-in-Chief does not have input in the selection of the area editors. Haimes stressed that the Publications Committee has an extremely important job of overseeing the journal. He believes the committee should have more stability and more clearly defined guidelines and procedures so that its mission does not change every year with the rotation of the chair. He recommended that he and Zimmerman work together with the appointed committee to establish a specific mandate and mission statement for the Publications Committee (with the roles of each position clearly defined). Farland and Cantor feel that having the Editor-in-Chief / Executive Editor on the Publications Committee would increase the stability and continuity of the Committee. This possibility should be considered. Perhaps that person could be a liaison to the committee rather than a formal member.

As stated before, Paul Deisler wishes to rotate out of his area editor position. In conversations with Zimmerman, the area editors have strongly recommended that a separate ecology area editor be named as well as health area editor. She stated that very few ecology papers are being submitted even though a large percentage of SRA's members are in the ecology field. It is felt that the editor could encourage more

participation. It was further recommended that the amount of money allocated to the three editors could instead be spread to all four, since none of the editors has spend the entire \$5,000 originally allocated to them. Price suggested taking \$1,000 from each editor, including the Editor-in-Chief position (whose responsibilities have been reduced) to create the budget for the fourth area editor position. Currently the breakdown of papers submitted has been 39 to Deisler in health & ecology; 50 to von Winterfeldt in social sciences; and 20 to Bier in engineering.

Frey moved and Farland seconded to add an additional ecology area editor and to reallocate the journal budget (keeping the same total amount) to include \$4,000 for each area editor and \$1,000 less for the Editor-in-Chief position. Motion passed unanimously.

Regarding the process that will be followed in filling these area editor positions, Zimmerman will work with Deisler on defining the position, and it will then be advertised in the newsletter and on the web page. The nominees will be screened by the Publications Committee and brought to the Executive Committee for review and then the council for approval. Much of this process should be completed in time for the spring council meeting. As soon as possible Zimmerman will put simple announcements on the web and in the newsletter for the three positions. The job description will include the responsibility of the area editors to solicit papers as well as review papers. Price suggested that as soon as the ecological area editor is appointed, he/she should be given the assignment of putting together a special issue within an 18-month period. The Council agreed with this suggestion.

SRA 2000 Annual Congress (Zimmerman)

Zimmerman reported on the progress of the SRA 2000 Congress. The location, (London, although it may be extremely expensive) structure of the planning committee and financial arrangements are almost at resolution. Haimes added that the Executive Committee would keep in touch with the council regarding further plans.

University-Based Centers (Graham)

The proposed statement of the SRA council on university-based centers has come before the council previously. It deals with the subject of whether Clinton and the congress should create a national university-based training program in the area of risk analysis through the creation of eight university-based centers in risk analysis around the country. He hopes the council will be prepared to vote on this matter after discussion. The background of this comes from a 1996 report of the SRA Advisory Board and the recommendation that SRA play a more aggressive role in promoting university-based training in the area of risk analysis. Following that, was G. Morgan's acceptance speech after being awarded the SRA Distinguished Achievement Award when he highlighted the need for people within agencies, particularly the government, to have training opportunities to respond to the increasing demand on them to be competent with regard to state-of-the-art tools in risk analysis. An ad hoc committee was created in response to these recommendations, chaired by Annie Jarabek with participation from Jim Wilson, and Granger Morgan. The proposed statement of the council came about in response to one of the recommendations made by this committee to develop educational programs. The proposal makes recommendations for the creation of 8 interdisciplinary centers funded through the National Science Foundation with collaboration of mission orientated agencies such as the Department of Defense and the EPA, USDA, etc. It requires that these centers have an interdisciplinary character and argues that none of the existing activities in the U.S. in the university-based area have the breadth of interdisciplinary character that SRA feels is appropriate. The centers would have a certain amount of course work for undergraduate, graduate, mid career people, public and private sector and for doctoral level training in risk analysis. Risk analysis is defined broadly in the proposal. Two concerns that have been expressed to Graham by council members are: 1) should SRA be recommending the creation of these centers and should SRA further say they should be NSF centers. 2) if SRA engages in a statement like this one, and then individuals advocate it to

congressional representative, will SRA will be accused of lobbying. Peter Hutt has been contacted as far as what is legally considered lobbying, and sees no problem. A third concern is that when Congress is asked for money, it is possible they would take the money from some other program that is similar in nature. Graham noted that SRA would have no control over this possibility.

President Haimes reported that the council and Advisory Board have discussed, but are not in favor of SRA making policy recommendations. Does this proposal constitute a policy issue? Farland does not feel this type of proposal was what the council and Advisory Board was referring to when discussing whether or not SRA should make policy statements. It is a statement of need for the field, and is therefor appropriate for the Society to endorse. Farland does have reservations about the specificity of the proposal. He thinks the need should be expressed with an explanation of what it would take to get the center(s) developed, but he does not think SRA should specify how it should be funded or how many centers should be funded. During the university roundtable discussion, Cantor noted that there was a debate as to whether funding for centers would be as beneficial as funding for individuals. One of the proposals from the roundtable discussion was the development of graduate fellowships. Graham noted that the university-based centers was just one of the ideas that the ad hoc committee chaired by Jarabek proposed, and that there are many others that can be acted on as well. Hattis endorsed the proposal and especially supports the idea of funding for Ph.D. training. Farland pointed out that the proposal has an interdisciplinary focus, while individual fellowships may not have this interdisciplinary focus and goal. McDaniels agrees with Farland that the proposal may be too specific.

In order to devote more effort to this proposal and other educational issues, an Education Committee was established with McDaniels as Chair. Cullen, Frey, Cantor, and Farland will be members of the committee. The Executive Committee is empowered to act on recommendations from the Education Committee.

Frey moved and Hattis seconded to take Graham's proposal to the Education Committee within a month.

Jarabek moved and Frey seconded to amend the motion to include that the Education Committee also review the report from the ad hoc Committee on Improving Risk Assessment Practices. Motion passed with Charnley abstaining.

Specialty Groups (Mulvihill)

Mulvihill introduced the Engineering Specialty Group President, Ali Mosleh to the council. Mosleh thanked the council for the opportunity to address them. During the past couple of days, he has organized sessions for PSAM, and he requested SRA participation. Also, Mosleh would like to see the specialty groups communicate more effectively. He proposed that SRA, with the help of the specialty groups, pull together scientific principles in which SRA believes. The specialty groups could be instrumental in identifying these principles.

Mulvihill moved and McDaniels seconded to empower the Engineering Specialty Group to initiate the activity of bringing the specialty groups together to start defining a set of disciplines.

Cantor noted the overlap of this activity with the concept of developing principles from the 2000 Congress. Hattis and Frey added that that the principles should deal with objectives and not techniques. McDaniels wondered if principles of good practice should be developed. It was decided that the council will support the specialty groups' efforts and will try to link it to the world congress. Farland added that although the council is agreeing in concept, it should ask the groups to flesh out the idea and come back to the council.

Public Policy (Charnley)

Charnley reported that she has completed two congressional luncheons. The topics were science in regulatory decision making and whether the environmental regulations are having the public health impact they are intended to have. On 19 December 1997 she has organized an additional luncheon concerning the Levin-Thompson Bill. Two more luncheons are being planned for early 1998 regarding children's health issues and endocrine issues.

She provided the council with a proposal concerning the increase of public and private partnerships in risk assessment for the council to review and get back to her with comments. This proposal has gone to the Conferences & Workshops Committee and they have approved its content but have referred it back to the council for final approval.

Charnley moved and Mulvihill seconded to endorse the proposal. Motion passed with Paustenbach abstaining.

President-Elect (Charnley)

Charnley reported that she has already been receiving many suggestions and comments regarding next year's annual meeting. The theme she has been considering is "risk assessment and risk management in a democratic society."

Cullen noted that she has received comments regarding adjusting the dates of the conference to better suit the academic community. Cantor reported that during the university roundtable discussion, approximately half wanted the dates to change while the other half would prefer that it not be changed. There was no clear recommendation for changing the dates from the university roundtable participants. They did recommend adding a student member to the Program Committee and considering sessions specifically tailored to displaying program curricula.

Frey suggested organizing both introductory and advanced workshops for next year's meeting. He and Haines agree that there should be a student discount for the workshops. McDaniels supports having a workshop on curricula. He has attended many, and finds it beneficial to see how others teach what you are teaching.

Jarabek recently attended the American College of Toxicology meeting and they approached her about cosponsoring a meeting in the future (too late for 1998). She felt their technical program was very good, supports this co-sponsorship. She discovered while attending this meeting that there is a philosophical difference between SOT and ACT. ACT is more involved with FDA and similar agencies and has an emphasis on pharmaceutical and food additive risk assessment. They are much more regulatory and applied. ACT is about the same size as SRA (~1500-2000). Price said that a two-year advance notice was received with ISEA. ACT or any other group should bring a proposal to the SRA Council. He added that the meeting with ISEA was financially advantageous. Price thinks collaboration with a group of this size would need more planning but could also be advantageous. It was pointed out that we do need to be careful when we plan joint meetings in order to satisfy the greatest number of attendees.

Treasurer (Price)

One of the first tasks of the Finance Committee will be to review the management of the Society. BAI is interested in continuing this function and will let the committee know if they have desired changes in the contract. The Finance Committee will be having a conference call to discuss the contract, and Price asked the council members to provide his/her input directly to him. The committee will provide its report of recommendations to the council at the 1998 spring council meeting.

The proposed 1998 budget shows increased revenue in the annual meeting and membership departments. The annual meeting income is increased due to increased participation while the membership revenue reflects the increased dues (from \$95 to \$105) and number of subscriptions. The 1998 dues of \$105 reflect the third and final increase in the dues structure approved three years ago. It is anticipated that this rate will hold steady for some time. It was suggested that the membership be notified that the dues will not continue to be increased each year.

The expenses for the 1998 annual meeting have been increased substantially over the 1997 budget. The Finance Committee was conservative and budgeted for a large expense for the 1998 annual meeting. The cost for the BAI contract, Newsletter office and journal are relatively the same. The workshop and seminar budget shows an expected net income of \$7,500. The expenses for the council and officers continues to go over budget and Price reminded everyone to abide by the travel guidelines to keep travel costs down to a minimum.

There has been a request to revise the 2000 Congress budget. Money has been added in to include a meeting of the Planning Committee and additional money for postage, etc. The goal is to pay the Society back with contributions and profits from the Congress.

Price noted that the Finance Committee has estimated approximately \$15,000 net income for 1998. This is a substantially lower income than previous years.

Menzie has a proposal from the Chapters and Sections Committee that would increase its expense line item from \$4,000 to \$6,000 for 1998. This money would be used to support the speaker's bureau and the proposed specialty conferences that were discussed in the 7 December 1997 council meeting. The specialty conferences would also be expected to bring in revenue of approximately \$2,000. This will be a new line item in the revenue budget.

Menzie moved and Zimmerman seconded to increase the 1998 Chapters and Sections Committee budget by \$2,000 to \$6,000 total. Motion passed with Price abstaining.

It was asked if the web page expense budget is adequate. Steve Brown was authorized \$3,000 last year, and he under-spent by doing everything himself. At this point SRA is breaking into an area where his capabilities and energy is petering out. SRA will soon be faced with hiring a professional who can provide higher level programming and services. Brown has not had great success with getting volunteers from within the Society. If SRA wants to add to the web page all the things that have been suggested, it will have to pay for these services. Brown estimated that another \$1-2,000 will be needed. Price noted that the web site has been a great service to the society members and has provided a good return on the money.

Paustenbach moved and Jarabek seconded to increase the web page expense budget by \$2,000 for a total of \$5,000. Motion passed unanimously.

Price moved and Frey seconded to pass the proposed budget which includes a \$5,500 increase for the 2000 Congress, \$2,000 increase in the Chapters and Sections Committee expense and revenue line items, and \$2,000 increase for the web page expenses. Motion passed as amended.

Executive Secretary (Burk)

R. Burk reported that the 1998 meeting would be in Phoenix, AZ. San Diego was suggested for 1999 but has been determined to be very expensive. After further research, the Secretariat recommends Atlanta, GA for 1999.

Price moved and McDaniels seconded that the 1999 Annual Meeting be held in Atlanta, GA. Motion passed unanimously.

The Council was asked to review the action item list and give any changes to the Secretariat.

Committee And Representative Appointments (Haimes)

- A. **Advisory Board**
Garrick was asked to continue as Chair, Haimes to confirm. Cantor appointed council liaison.
- B. **Annual Meeting**
Charnley will Chair as stated in the Bylaws.
- C. **Awards**
Paté-Cornell will Chair as stated in the Bylaws.
- D. **Chapters & Sections**
Menzie was asked to continue as Chair. Paustenbach to assist as Menzie will be rotating off the council next year.
- E. **Conferences and Workshops**
Anderson was asked to continue as Chair. Farland appointed as council liaison. Currently this is a large committee, and Anderson has decided to reduce it to approximately 6 or 7 members in order to work more effectively.
- F. **Education**
McDaniels was asked to Chair. The Committee will include Cantor, Cullen, Frey, and Farland.
- G. **Executive**
Haimes will Chair as stated in the Bylaws.
- H. **Finance**
Price will Chair as stated in the Bylaws.
- I. **Gifts & Grants**
Paustenbach was asked to Chair.
- J. **Grants Management**
Cantor was asked to continue as Chair.
- K. **Membership**
Jarabek was asked to continue as Chair.
- L. **Nominations**
Graham will Chair as stated in the Bylaws.
- M. **Publications**
Zimmerman will Chair as stated in the Bylaws.
- N. **Specialty Groups**
Mulvihill was asked to continue as Chair.
- O. **Historian**
Cumming is expected to continue as Chair, Haimes will confirm.
- P. Ad hoc:
 - Public Policy**
Jack Fowle asked to Chair. Hattis appointed council liaison.
 - Improving Risk Assessment Practices**
Jarabek was asked to continue as Chair.
 - Electronic Media**
Steve Brown was asked to continue as Chair. Frey appointed as council liaison with assistance from Cullen.

Other Business

As recommended by the Advisory Board, the council was asked to bring the engineers back into the Society, especially PSAM, who meets every other year. It was decided that two representatives from SRA and two representatives from PSAM get together by conference call to make arrangements to work together. Garrick and Haimes will represent SRA, and Apostolakis and another PSAM appointed Council member would represent PSAM. Mulvihill is on the Board of PSAM as well and will help with the cooperation of the two groups. PSAM is an organization, not a society.

Specialty Conferences

After the discussion and enthusiasm expressed at the 7 December council meeting over the idea of specialty conferences, Frey, Jarabek and Menzie worked out a short statement of action. These specialty conferences could be held in addition to annual meetings, could provide a more intimate setting than the larger annual meeting, could increase SRA exposure and membership, etc. These conferences would not be designed to take away any options that exist for the Chapters or Sections, but to create a mechanism to help coordinate these kinds of focused conferences that would be of national or international interest, and also provide incentives to provide partial funding to Chapters or Sections that are interested in holding these specialty conferences. Menzie talked to his committee earlier in the day and the chapter representatives had very positive reactions to the idea. Jarabek brought the idea to the Membership Committee and everyone was in favor of the idea. It has also been mentioned to Betty Anderson. Haimes recommended that the council endorse the statement proposed by Frey, Jarabek and Menzie and pass it on with strong support to the Conference and Workshop Committee. Farland, as liaison to the Committee will be able to speed things along.

Hattis moved and Frey seconded that the council strongly endorses the guidelines for specialty conferences and will forward them to the Conference and Workshop Committee and Secretariat for action. Motion passed unanimously.

The next council meeting will be held in the May-June time frame. The Secretariat will contact each council member to determine the exact date. Frey noted that May is easier for the academicians.

In regard to the Russian proposal, the council unanimously responded that as a matter of practice the SRA does not comment on policy and will not consider their proposal.

Regarding the international issues that have arisen, Cullen will be the Chair of a task force (with Paustenbach) to report to the council two weeks prior to the 1998 spring meeting on setting dues structures for international members to reflect the economic status of the country.

Jarabek noted that there is frustration among some members that have offered their services to the Society and have not been responded to. In that same vein, Frey wondered if any more thought had gone into having a membership survey on the web. He stated that the ad hoc Committee on Electronic Media would be willing to implement this survey but the questions would need to come from elsewhere.

Adjournment

Meeting adjourned at 9:50 pm