



**Division of Applied Experimental  
and  
Engineering Psychology**  
Division 21 of the American Psychological Association

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**Message From the President**

**By Jerry Krueger, Division 21 President**

I am writing this several weeks after the stinging terrorist attacks on our country on September 11, 2001. By now our brains are forever indelibly printed with memorable surreal photo images of our World Trade Center collapsing, our Pentagon in flames, of countless attacked victims, heroic fire, police and rescue workers, their families, our president, the mayor of NYC, and other leaders etc. trying to help us cope with these sickening outcomes.

Our nation mourns, our nation regroups, we come together, we deal with our own circumstances. And we attempt to cope with our own varieties of PTSD the best we can. As a nation we vow not to be complacent ever again. What has happened already, and importantly, what behavioral changes we now implement individually, or as a nation, will undoubtedly change our lives forever. In many ways, this is about *change and human behavior*, something we psychologists are supposed to know a lot about. The terrorists have forced us to change. We have begun to contemplate that *change*, but for now, we cannot easily envision the number of changes, and the enormity of some of them and all that this portends for us.

It has been said by many that somehow, the events and issues that before seemed otherwise to be important in our lives, have undergone a turnabout. Now somehow they take on a much smaller degree of importance to us. Name any dozen of these: suddenly people are more polite; there is now less road rage; we are less interested in Barry Bonds pursuing baseball's coveted home run record; or Michael Jordan un-retiring a second time. Other things seem now to have increased in importance to us: displaying and waving American flags and the nation's colors; singing patriotic songs; hugging one another; putting our wills and personal affairs in order because anything can happen when you least expect it; deciding if we should jump on a band wagon and go looking to purchase a gas mask; reassessing when we might retire because our stock mutual fund holdings have tanked; watching thousands of employed citizens suddenly become part of the unemployed; watching some of our military colleagues again head off to remote global locations to await additional risks of going in harm's way; coping with increased security measures at our own places of work, etc.

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Through the auspices of the Red Cross and others, hundreds of our fellow APA psychologists responded to the human cry for consoling and grieving. They hurried to the attack scenes to render onsite mental health care. For some families, this assistive care will undoubtedly be helpful and needed for years to come.

But what of our segment of the psychological profession, that of *applied experimental and engineering psychology*? Are changes afoot for us too? We can play, and in some cases do play important roles in "assessing and predicting human behavior," for people who interact with our machines, our buildings, our transportation systems, and our government's policy decisions of how to respond to such violations of our lifestyles. In particular, to play to our obvious strengths:

- a) helping to make personal security measures more user friendly;
- b) helping to make airport passenger and luggage screening procedures and equipment effective and user friendly;
- c) understanding increases in airliner security requirements, flight deck design issues that might impact aircrew, cabin design considerations for flight attendants and passengers, and air traffic control communications, etc.;
- d) ditto for making other transportation and public building security screening equipment, procedures, and policies more palatable, workable, and error free;
- e) suggesting and evaluating suitable environmental design fixes to increase building and public monument security measures so as to be effective, but not off-putting to visitors and other patrons;
- f) assessing whether or not local and national emergency response teams have the best possible equipment, and procedures with which to carry out their work;
- g) providing governmental and even industrial authorities with assistance in evaluating ways to prevent additional threats or to posture ourselves to respond to subsequent security breach incidents;
- h) sharing information (and data) we already have about the many behavioral and performance oriented studies on the effectiveness of protective postures (e.g. wearing gas masks or chem-bio protective clothing and equipment);  
and of course

- i) the decades worth of many human factors and engineering psychology contributions we continue to make on design and performance issues related to military systems, intelligence gathering systems, etc.

You all can likely come up with additions to the above list. And if you do so, I encourage you to send me a note about your ideas, because it is potentially important for us to "collect such lists" for those who might advocate for our profession, and for those who might just need to explain why we request additional funding resources to carry on the important work of our profession.

### On other important business of the Division.

Our **midyear symposium (March 7-8<sup>th</sup>, 2002)** with a theme of engineering and human factors applications to military and other governmental systems is shaping up to provide a real timely status report and an assessment of the many highly productive federal government projects in which our Division members are engaged. See the **call for papers** and registration information flyer in this newsletter. Building upon successes of last March, Division 19 (Military Psychology) has added a **best student poster award** to the mix this year. Holding the meeting at Fort Belvoir, VA, we will be in the midst of some of the Army's high technology centers permitting us to showcase a number of items many of you might like to see first hand. So come join us, encourage others to do so and help make the midyear symposium a big success.

We plan to have our mid-year Div. 21 Executive Committee meeting at Ft. Belvoir on the morning of Thursday March 7<sup>th</sup> before the actual symposium. All Div. 21 members are invited to attend that meeting as well.

If you have not been receiving the bimonthly Psychological Science Agenda newsletter from our APA Science Directorate (all full members of Div. 21 should be) please send a note to: [science@apa.org](mailto:science@apa.org) to get onto the US mail distribution for it.

From the September-October 2001 issue of Science Agenda, you must already know that **Dr. Kurt Salzinger** was appointed as our new APA Executive Director for Science to succeed Richard McCarty.

You might also check out pages 14-15 of that issue and read our article "In defense of Behavioral Research at DoD: **Land Warrior** makes the rounds on Capitol Hill." In such APA advocacy matters, I

invoke the Army's Land Warrior "electronic infantryman system" as illustrative of the types of "products" that Congress' continued funding support of decades of behavioral science, human factors, cognitive science and engineering psychology research makes possible in the four military services. Our in-house military research lab scientists, along with their support contractors and industrial equipment developers, continually capitalize on the human factors data collected and the resultant knowledge base we provide: assessments of and the predictions of human behavior, for the design and ease of use of some fairly sophisticated and complex material systems. We need to show such products to members of congress and their staffs to continually remind them of the importance of funding our work aimed at making things more palatable for soldiers, sailors, airmen and marines.

I had promised to prepare a separate article on this advocacy endeavor, but the Science Agenda did such a nice job, there is little to add. In March 2001, before the Congressional Defense Appropriations Committee, I conveyed similar messages to this one when I had the privilege of presenting the testimony for the Federation of Behavioral, Social and Cognitive Sciences (19 such professional agencies of which the APA is the largest). **Dr. Debbie Boehm-Davis** presented the APA Science and Policy Directorate testimony to the same committee. And in June, **Deirdre Knapp** of Div. 19 presented similar testimony to the Senate Defense Appropriations Committee.

Our heartiest congratulations and expressed appreciation from all of us to **Bob Swezey**, our immediate past president, and to our very active Executive Council for putting in such a productive, business oriented year the past 12-18 months on behalf of Division 21.

By now you all know that after doing such a superlative job as the Div. 21 secretary-treasurer for the past three years, **David Schroeder** was elected to be our President-Elect. Following in David's able footsteps, we congratulate and thank **Richard T. Kelly** who has graciously agreed to serve as our Secretary-Treasurer for the next several years.

Our many thanks to **Mark St. John** for assembling such a fine program for the annual APA convention in San Francisco.

Much appreciation and thanks to **Nancy Anderson** and **Richard Pew** for their long and distinguished

service on our Division 21 Fellows Committee. We are pleased to report that Nan will remain in service as our Division historian and archivist.

Our congratulations to our newest APA and Div. 21 Fellows: **Susan Kirschenbaum** and **Marilyn Sue Bogner**. Congratulations to **Henry Taylor** who is our newly elected Div. 21 Representative to the APA Council and our sincere thanks to **Bill Howell** who has ably served us in that capacity for the past three years. Congratulations to **Doug Griffith** our newly elected at large member of the Executive Committee. Thanks to **Mike Wogalter** who served in that capacity for the past three years.

Thanks too to **Henry Taylor** and his assistants at the University of Illinois for their sustained superb efforts put forth on our Division Membership committee matters. Happily, **Henry Emurian** at University of Maryland Baltimore County (UMBC) has already taken over the reigns of leadership for the membership committee. And of course he is looking for some additional volunteers to help out. Our thanks also to **Henry Emurian** and **Ron Tsao** at UMBC for spiffing up and maintaining our own Div. 21 web site. Have you tried it? Do it; you will like it!

<http://www.apa.org/divisions.div21/>

Our thanks to **Wendy Rogers** for maintaining both our membership and executive committee LISTSERV functions, which are carried out for us via the APA computer servers. Increasingly, we have been using the Listserve function to distribute news quickly. Currently only about 160 of our members are listed on that Listserve. If this system is to work most effectively, it is incumbent upon you the members to join us there by sending your preferred email address to Wendy at: [wr43@prism.gatech.edu](mailto:wr43@prism.gatech.edu)

**Susan Kirschenbaum** continues to make great improvements in our Division newsletter and she is always open to your submissions and good ideas, so do not hesitate to contribute.

We the members of the Div. 21 Executive Council solicit member participation, contributions of ideas, offers of assistance, your help and your encouragement etc. Please do not hesitate to contact any of us.

**From the 2001 APA Convention**



Presenters at the Symposium (also see page 6)

**Older Adults and New Technologies: Psychological Research Initiatives**

**By Wendy Rogers**

On Friday morning, Division 21 members presented a symposium entitled “Older Adults and New Technologies: Psychological Research Initiatives.” The symposium was chaired by **Wendy Rogers** and comprised presentations by **Neil Charness** (*Effects of Age, Experience, and Handedness on Input Device Use*), **Sara Czaja**, (*Speech Compression and the Usability of Telephone Menu Systems*), **Tim Nichols** (*Age-Related Differences in Using Environmental Support: Resources or Strategies?*), and **Joe Sharit** (*Using Environmental Support as a Design Aid for Telephone Menus*). **Bill Howell** served as the discussant for the symposium – his remarks illustrated the importance of conducting research with older adults not only to aid their use of technologies, but also as a method of identifying design flaws that might influence usability for the user population as a whole. It was an overall excellent symposium!

**Award Winners**

**Michelle Yeh, PhD**, University of Illinois at Urbana Champaign, **Christopher D. Wickens**, Advisor **Winner of the George Briggs Dissertation Award for 2001.**

**Title: Attention and Trust Biases in the Design of Augmented Reality Displays**

**Award presented at the 19th Annual Meeting of the American Psychological Association, San Francisco, California 2001**

Michelle's dissertation addresses questions in automation and trust that were formulated during her productive 4 years in the graduate program at Illinois, where she has produced three manuscripts published or in press in *Human Factors Journal*. All of this work has focused on the role of automation in supporting the soldier's allocation of attention to critical battlefield information. In her dissertation project she examined the role of three variables that can effect the trust that the soldier has in an automated tool that guides attention to suspected targets. These variables are the realism of the computer generated scene within which the target is located, the extent to which the operator is embedded in an active control loop flying through the scene (and thereby the workload), and the reliability of the automated cueing device itself. She has measured trust explicitly, via subjective ratings, and implicitly by examining soldier response to errors in the automation cueing. This is based upon the assumption that high trust will lead to the failure to notice the automation failures.

Her findings revealed three important consequences of the automation. First, automated cueing clearly provided benefits enabling soldiers to locate the targets more rapidly. Second, such cueing produced a cost of attentional narrowing. When a cued target was present, soldiers were less likely to notice a high priority, but uncued target present in the same scene. Third, such cueing did induce a state of over-trust, when the cue mistakenly identified a non-target element as a target. (An example might be accidentally classifying a friend as a foe). Using a signal detection analysis, she found that soldiers used the cue to lower their response criterion in classifying the cued element, rather than using it as a basis for

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more careful inspection (increased sensitivity) of the element underlying the cue. Following observation of the first failure, subjects lost some, but not all trust in the cueing device. Her results also indicated that the cue was not trusted more extensively in higher realism scenes.

These results are important in identifying the kinds of biases that soldiers may encounter in using automated cueing devices (ie., automated target recognizers), and the importance of providing both the raw data behind the cues, and the training of the appropriate level of trust or reliance that soldiers should have on imperfect automation.

### Best Student Paper, 2000



LTC Wesley Olson, the best student paper awardee for 2000 (University of Illinois), gave an address this year entitled: "Supporting coordination in widely distributed cognitive systems: The role of conflict type, time pressure, display design, and trust."

### Recognition Ceremony

On Sunday, 26 August, APA's President, Dr. Norine Johnson, and the Council of Representatives held a recognition ceremony for those psychologists who served as psychologists in Vietnam. Nineteen psychologists have been identified. As APA said in the citations, the awards were long overdue.

The names of the 19 honorees are as follows:

Charles R. Curran, James M. Herrell, Albert J. Kastl, Gerald P. Krueger; Lewis J. Malgieri; Frank E. Norton, Robert D. O'Donnell; Jim L. Olson, Kirk A. Parry; Donald J. Platner; Arthur J. Rudy, Ely Sena David A. Sapol, C. Wayne Shore; Morris Duncan

Stanton, David J. Sullivan; Victor H. Thaler; William J. Weiner, David L. Willard

Two of these 19 are, sadly, are deceased (Drs. Curran and Willard). Unfortunately, only three of the remainder (Drs James Herrell, Jim Parry, and Gerald Krueger) were there to receive their awards. In addition, Dr. Stanton's award was accepted by one of his colleagues and Dr. Willard's widow, Marilyn Willard, was present to accept his award. The names of all 19 will be announced and later published in the American Psychologist.



Peter Hancock accepts Franklin Taylor award for Outstanding Contributions in the Field of Applied Experimental/Engineering Psychology

### The Education Leadership Roundtable held its second meeting

The Education Leadership Roundtable held its second meeting during the APA Convention in San Francisco, and Henry Emurian represented Division 21 at the meeting. The purpose of the Roundtable is to address curriculum, training, and certification issues across the range of specialties in the field of psychology. To address these issues, an online Discussion Forum has been created for the exchange of ideas. All psychologists are welcome to contribute to the discussions, and it is anticipated that the APA Education Directorate will provide occasional summaries of the discussion threads. The summaries may be used in the future as agenda items for the formulation of policy initiatives by the Education Directorate.

The URL for the Discussion Forum is as follows:

<http://www.apa.org/ed/highered/>

Please visit the online Discussion Forum periodically to share your ideas with your colleagues in psychology.

## More Pictures from Convention



Incoming Pres. **Jerry Krueger** offers Div. 21 thanks to Past Pres. **Bob Swezey**

## From the Aging Symposium:



Neil Charness



Sara Czaja



Joe Sharit with Wendy Rogers

## AUGUST 2001 COUNCIL MEETING REPORT: A MIXED BAG

**By Bill Howell, Council Rep.**

**Personal Note.** This report is my last as your Council Representative, since my term is up and you have wisely chosen **Hank Taylor** as my replacement. Hank has served in this capacity before both for this division and Division 19, and is well versed in the many complex issues facing this somewhat Byzantine organization. It is critical for both our Division and for the larger “science/academic” and “scientist/practitioner” constituencies that share our values to

have this kind of experienced representation on Council. We are indeed fortunate in having someone with Hank’s stature and savvy ready to step in. But we haven’t always been so lucky, and can’t count on it in the future unless we take steps to guarantee it.

I would urge the Division leadership to consider developing a succession policy that would *ensure* that we always have a well-informed, dedicated, visible presence—such as Hank affords us—on Council. Mechanisms worth considering would include commitment for two terms (which permits the kind of

networking, visibility, and seniority that make for effective representation), a formal requirement that the outgoing representative provide his/her replacement with a comprehensive briefing on both pending issues and influence strategies during the transition period, and perhaps even an informal “grooming process” whereby potential nominees are identified early and brought “into the loop” by the current representative prior to being considered for inclusion on the election ballot.

**Overview.** The Council agenda included the usual mixture of trivia and substance—a few issues of special concern to us and our closest allies, and a lot more of interest to *some* group but not necessarily us. In some cases, we played defense, hoping to head off an ill-conceived move by some other group; in others, we joined the offense, seeking to advance what we felt was a good cause. In the following paragraphs, I’ll fill you in on the most noteworthy of both kinds.

**On defense.** There were relatively few serious threats this time, although a couple of items were introduced that would have been had they not been pretty much “dead on arrival.” One was a move by the practice community (state associations in particular) to extend the 25% dues reduction for dual members of APA and other scientific societies to members of state associations. This “dual dues” break, which many Division 21 members enjoy, was originally implemented to stem the defection of science/academic members from APA, and was pretty successful. However, extending it to practitioners would have made it available to virtually everyone at a huge cost—effectively cutting dues at the same time Council was being asked to approve a \$7 dues *increase*. The move never had a chance, but it bears watching because it will probably keep coming back as practice-oriented initiatives are wont to do.

A second DOA item was a request by a Task Force looking into membership retention and recruitment for \$100k to mount a collection of initiatives to boost membership. Membership and demographic trends *are* cause for concern, and Council will probably at some point allocate significant funds to address the problem. However, this proposal lacked specificity, and the message was essentially “come back when you have a legitimate plan.” Instead, Council passed another request (for a mere \$6.6K) to enable the Membership Committee to hold an additional meeting—presumably to do such planning.

We were not so fortunate in another defensive effort. Concerned about the paucity of ethnic minority representation on Council, CEMA (Committee on Ethnic and Minority Affairs) and BAPPI (the Public Interest Board) led a move to increase these numbers by having APA bribe divisions to appoint or elect minority representatives. Instead of the minimal partial-expense reimbursement currently provided by APA to individual Council reps, *full* reimbursement of *all* travel, lodging, and meal expenses would be remitted to each division or state association for each minority rep sent to a meeting. This proposal was vigorously debated, with strong opposition coming from both science/academic and practice constituencies (including your representative), but to little avail. Despite the fact that minority group members currently *overrepresent* the APA membership on Council, and such bribery will create egregious inequities within and among divisions, the item passed on a close vote.

**On offense.** Jack McKay gave his usual lucid financial update, presenting a preliminary 2002 budget of \$91 M with a projected deficit of about \$.5 M (well within the margin of error in such projections). Few questions were raised and the budget was approved. Several years ago, a decision was made to link dues changes to an inflation index. In keeping with this policy, the budget includes a \$7 increase.

The chronic issue of Council representation was once again featured, and in my opinion, resolved in the best feasible fashion—possibly, at long last, for good. You’ll recall the issue stems from the longstanding desire of state associations to each have at least one seat on Council. The principal basis on which seats are awarded is the percentage of the total apportionment-ballot votes registered by each unit. But a few years ago, this was amended by a “wild card” plan that permitted somewhat broader representation. In effect, it added a number of new seats but allocated them in a manner that preserved the existing distribution between divisions and state associations—guaranteeing all divisions and most state associations a seat. It benefited small divisions like 21 as well as small state associations.

The proposal introduced this time merely extends the “wild card” concept by adding enough seats to guarantee a seat for *all* units. The distribution remains the same (59% Divisions; 41% States); the total number of seats increases by 18. The only down side to this plan, as for the original “wild card,” is the

increase in the size of Council. In my view, this is a minor problem, since Council is so huge already that it hardly represents a JND. Of the feasible alternatives, this was clearly the best for our interests as well as for the Association, and it was approved overwhelmingly. It will need to be voted on by the membership, but will go out without a "pro-con" statement, which virtually assures its approval. I believe that this will represent the final chapter in one of the most difficult, divisive, and acrimonious debates in APA's history; and I believe that for all its twists and turns, the story has finally achieved a happy ending.

The only other noteworthy development relates to the fact that APA has not given proper attention to the

growing number of psychology faculty and students in our 2-year colleges. Initiatives proposed and approved call for a new affiliate membership category and a new standing Committee similar to that created some years ago to involve teachers of psychology in the secondary schools (TOPSS) in APA affairs. I strongly supported the formation of TOPSS, which I believe is making good headway in promoting psychology in public education, and I strongly supported the 2-year college initiatives for much the same reasons.

And that, folks, concludes my report and my leg of the race. I'm pleased to hand the baton to Hank, who I know will make up whatever ground I have lost in representing you these past three years.

## News About 2002 Convention

### Program Call! A New Convention!

**By Dee Andrews, 2002 Program Chair**

Beginning with the 2002 convention, APA is undertaking a new structure for its annual convention. In response to the members' requests, the annual convention will be shorter - Thursday (August 22) through Sunday (August 25)- and most of it will be located in one complex.

Please send proposals for symposia, paper, and posters to:

**Dr. Dee Andrews**  
6030 S. Kent Street  
Mesa, Az. 85212-6061  
480-988-6561 x109.  
dee.andrews@williams.af.mil  
FAX 480-988-6560.

The proposals are due December 3, 2001. Detailed instructions about the proposal requirements can be found in the "Call for Programs" booklet which appeared in a recent APA Monitor, or you can send Dr. Andrews an e-mail and he will send the instructions to you.

### Cluster Themes: A New Component of the Annual Meeting 2002

**By Doug Griffith**

The 2002 Annual Meeting, which will be held in Chicago, will feature cluster themes. On July 28 and 29 a Cluster Representatives Meeting was held at the Hyatt Regency Washington Hotel. Representatives from all the divisions plus Psi Beta, Psi Chi, and APAGS. Most of the representatives were not from the local area. APA footed the travel and lodging costs for the attendees. As the Division 21 representative lives in Arlington, VA, a substantial cost savings to APA was entailed. The divisions were grouped into ten tracks. In addition there is also a presidential track and a student track.

Division 21 was assigned to Cluster B, which consisted of the following representatives:

- |   |                             |
|---|-----------------------------|
| Division 5 -- Evaluation, Measurement, and Statistics | <b>Mark Appelbaum</b>       |
| Division 13 -- Consulting                             | <b>Virginia Mullin</b>      |
| Division 14 -- Industrial and Organizational          | <b>Rosemary Hays-Thomas</b> |
| Division 19 -- Military                               | <b>Brad Johnson</b>         |
| Division 21 -- Applied Experimental and Engineering   | <b>Doug Griffith</b>        |
| Division 23 -- Consumer                               | <b>Steve Nowlis</b>         |

After electing **Mark Appelbaum** as Chair, we set about the business of defining our tracks. We were given ten hours of programming to define. We had the option of defining one theme and developing over ten hours, or to have two different themes of five hours each. We decided upon two themes. One theme is on Fairness in Testing. **Rosemary Hays-Thomas** is taking the lead on that theme. The other theme is Psychotechnology. Yours truly, **Doug Griffith**, is taking the lead on this theme.

The Psychotechnology theme will run for five consecutive hours on Saturday August 24, 2002. It will begin with a keynote address on the topic "Technology: Challenges and Opportunities." A two hour panel discuss will follow on the topic "Technological Implications for Organizational,

Consumer, Military, and Engineering Psychology." The fourth hour will consist of a poster session and videos. The final hour will be a rousing wrap-up panel session that will provide closure on the day's proceedings.

APA wants the program and its participants identified by Mid-October (October 1st was the original date). That is why this newsletter is not requesting candidate speakers. Of course, do not be surprised if you received a panicked phone call if we do not meet our deadline. There will be a general call for posters and videos. service through the promotion of aviation education.

### Membership News

#### **Recognition for Service to the Division**

At the annual meeting of the outgoing Executive Committee of Division 21, August 24,2001, the committee recognized the significant contribution of **Ms Sharon Allen, Diana Christenson, and Mary Wilson** of the Directors Office of the Institute of Aviation, University of Illinois. For many years they annually corrected, updated and distributed the directory of Division 21.

They also assisted in editing, publishing and distributing the Division 21 newsletter. They have prepared the plaques for the Division's annual awards and have supported **Hank Taylor** during his terms as secretary; treasurer; president, president elect, and past president; and chair of the membership committee. The Executive Committee expresses its appreciation for these efforts which have been so freely given.

#### **New Fellows**

Two New Fellows of Division 21 and APA were named at the August Convention. Congratulations to **Sue Bogner** and **Susan Kirschenbaum**.

#### ***Fellows Nominations – It is never too early!***

#### ***Nancy Anderson and Dick Pew, Chairs of the Fellowship Committee,***

We want to encourage everyone to think of new Division 21 Fellowship Candidates for 2001. Any member of Division 21 is eligible to nominate a candidate, including yourself. The nomination package includes a nomination form, materials for three endorsers, who must be Fellows of APA, and complete descriptions of the process of achieving fellowship status. There are two cases -- (1) Where the nominee is already a fellow of APA initiated by another division. In this case the application is only reviewed by the Division Fellows Chairs and the Division Executive Committee and (2) Where Division 21 will be initiating application for fellowship status in APA as well. Nominations that have to go through the APA process must be delivered to the APA Membership Committee by February 19th. We ask that all nominations, including all endorsements, be delivered to the Fellowship chairs by February 1st. That seems like a long time away right now, but it will be upon us quickly and there is substantial work associated with preparing the initial nomination papers and collecting an appropriate set of endorsements.

We will be happy to send a nomination packet to anyone who would like to consider nominating someone.

Please send your recommendations to

Dr. Nancy Anderson

Professor, Emerita, University of Maryland  
Box 515

Chincoteague, MD 23336  
757 336-6124

nancy\_s\_anderson@umail.umd.edu

### ***From the Editor: Devastation***

#### ***Susan S. Kirschenbaum, Newsletter Editor***

Since September 11th there has been nothing else on our minds. Where were you when you learned of the attack? Did you witness most of the events on television in “real time” as I did, or did you see the towers fall in New York, in reality? Did it make you wander what “reality” is? It did for me. We kept saying “This is like a bad movie” – but it wasn’t fiction.

Since it was “real”, I wondered what I could/can do to help. I am not trained in rescue work. I can’t give blood because I took an anti-malarial drug while traveling in the Amazon this summer. I did give money, but that seems so inadequate. Professionally, I work at the interface between people and the physical environment, but how does that help? Well, I was listening to the radio a few days later when I heard something that I found encouraging: members of my profession may have actually helped many people escape alive! In the aftermath of the first World Trade Center bombing safety experts (that would be some of you) helped redesign the emergency exits, signage, access, etc. Previously, there had been exits that were difficult to locate, camouflaged to blend with the décor, or even locked. This time, thousands people were saved just because they were able to find and use the emergency stairways. Not only that, but the people had been trained, albeit inadvertently, by the 1993 bombing. This time emergency procedures worked, the emergency lighting worked, and New Yorkers were even polite to one another as they descended all

those flights of steps. Of course, we all know about the sadly erroneous announcement that cost lives. But, even that was well founded. If not for the second plane, the safest place would have been indoors.

Now, what else can we do to help? I believe that the best answer to that is to get back to work. If the goal was to disrupt the American way of life, than the best defiance is to continue whatever we normally do. However, we can also learn from this. As psychologists who are primarily concerned with the interaction between people and the physical world, we can focus additional research on safety, communications during an emergency, and better ways to build redundant safety systems that serve both emergency and daily uses. Even my own sub-specialty, decision making, might be of help by learning how to make situation assessment more flexible, robust, and even disaster-proof. I don’t know how, yet, but I am thinking about it. I do know that getting the right information, in the right form, to the right people, at the right time is part of the solution, but I don’t know what that information is or what form it needs to take. I also know that we need to understand the impact of uncertainty on decision makers in emergency situations. That too is one of my professional interests.

So, how can we each help? One answer is by continuing to do what we do normally, but to think about the “applied” end of things a bit more. I hope our applications can save lives – and I pray that they will not be needed!

#### **Notice**

**If you are not on the Division 21 list serve (if you have not received any announcements in the last month) send an email to Wendy Rodgers, wr43@prism.gatech.edu.**

**2002 NOMINATION FORM FOR FRANKLIN V. TAYLOR AWARD for**

**Outstanding Contributions in the Field of Applied Experimental/Engineering Psychology**

Recipients of this award are expected to deliver an oral presentation of approximately 45 minutes as part of the Division 21 program at the next (2003) annual meeting of the APA. The presentation should address a scientific or technical topic, provide an historical review of the recipient's area of expertise, or describe personal reflections on important events in the development of applied experimental or engineering psychology.

From: \_\_\_\_\_ (include E-mail address)

To: Division 21 Awards Committee

I nominate \_\_\_\_\_

whose present position is \_\_\_\_\_

and address is \_\_\_\_\_

Please provide the following support for your nomination.

Attach a letter showing outstanding contributions your nominee has made to the field of applied experimental/engineering psychology. The Awards Committee believes that potential recipients will have contributed by virtue of (1) research and publication, (2) special new contributions, e.g., equipment or techniques, or (3) general leadership in the field, e.g., teacher, director of laboratory, officer in societies, etc. Please demonstrate how your candidate is outstanding with respect to one or more of these criteria.

Attach the candidates vita.

Previous nominations will be reconsidered by the Awards Committee. Please update the supporting material and include an updated vita.

Please send this form or a nominating letter and supporting documentation by March 15, 2002 to:

**Robert W. Swezey**

InterScience America, Inc.

PO Box 6229

Leesburg, VA 20178

E-mail: [isai@erols.com](mailto:isai@erols.com)

Phone: (703) 779-8090

Fax: (703) 779-8092

E-mail submissions are encouraged.

**2002 NOMINATION FORM FOR EARL ALLUISI AWARD for**

**Early Career Achievement within 10 years of the PhD.**

Recipients of the Earl Alluisi award are expected to deliver an oral presentation of approximately 45 minutes as part of the Division 21 program at the next (2003) annual meeting of the APA. The presentation will address a scientific or technical topic reflecting the research contributions of the recipient.

From: \_\_\_\_\_ (include E-mail address)

To: Division 21 Awards Committee

I nominate \_\_\_\_\_

whose present position is \_\_\_\_\_

and address is \_\_\_\_\_

Please provide the following support for your nomination.

Attach a letter showing the contributions your nominee has made to the field of applied experimental/engineering psychology. The Awards Committee believes that potential recipients will have contributed by virtue of (1) research and publication, (2) special new contributions, e.g., equipment or techniques, or (3) contributions to theory, etc. Please demonstrate how your candidate is exceptional with respect to one or more of these criteria.

Attach the candidates vita.

Please send this form or a nominating letter and supporting documentation by March 15, 2002 to:

**Robert W. Swezey**

InterScience America, Inc.

PO Box 6229

Leesburg, VA 20178

E-mail: [isai@erols.com](mailto:isai@erols.com)

Phone: (703) 779-8090

Fax: (703) 779-8092

E-mail submissions are encouraged.

**2002 NOMINATION FORM FOR THE BRIGGS DISSERTATION AWARD**

**For a dissertation completed in the calendar year 2001.**

From: \_\_\_\_\_ (include E-mail address)

To: Division 21 Awards Committee

Student name: \_\_\_\_\_

whose address is \_\_\_\_\_

Name of Advisor or Chair: \_\_\_\_\_

Recipients of the Briggs award are expected to deliver an oral presentation of approximately 45 minutes, based upon their dissertation research, as part of the Division 21 program at the next (2003) annual meeting of APA.

Please provide the following support for your nomination.

1. Forward three copies of the candidates dissertation.

Please send this form or a nominating letter and supporting documentation by March 15, 2002 to:

**Robert W. Swezey**

InterScience America, Inc.

PO Box 6229

Leesburg, VA 20178

E-mail: [isai@erols.com](mailto:isai@erols.com)

Phone: (703) 779-8090

Fax: (703) 779-8092

E-mail submissions are encouraged.

**Annual Midyear Symposium March 7-8<sup>th</sup>, 2002**  
**Announcement and Call for**  
**Presentations, Papers, and Posters**

Theme of Symposium:  
**Contemporary & Emerging Issues in**  
**Human Factors, Engineering and Military Psychology:**  
**Special Applications to the Military and other Federal Agencies**

**Sponsored by the American Psychological Association's (APA)**  
**Division 21, Applied and Engineering Psychology**  
**Division 19, Military Psychology, and**  
**Potomac Chapter, Human Factors & Ergonomics Society**

**Symposium Location: Officers Club, Fort Belvoir, Virginia**

Scenic Overlook of the Potomac River, a stone's throw from Mount Vernon.

Only 13 miles South of Reagan National, Washington DC Airport (DCA).

Dates / times:

- **Symposium: Noon Thursday March 7<sup>th</sup> till 1600 hrs March 8<sup>th</sup>**
- **Potomac Chapter HFES Dinner Meeting w/speaker March 7th 6:30**
- **Div. 21 Midyear Executive Committee mtg. Wednesday, AM March 7<sup>th</sup>**

**Feature Exhibits Include:**

- **Military Protective Clothing, Uniforms and Equipment**
- **Army's Land Warrior Wearable Computerized Infantry System**
- **State-of-the-Art Military Night Vision Systems**
- **An Image Intensification (I2) view across the Potomac at night**
- **Posters by Cadets/Midshipmen from the military academies**
- **Div. 19 Award to Best Student Poster or Paper**

**Submission of topics, 200 word abstracts by January 11<sup>th</sup>, 2002 to:**

**Gerald P, Krueger, Ph.D., CPE**

**Email: JerryKrueg@aol.com or Email: gkrueger@thewexfordgroup.com**

**Phone: (703) 704-1801 or (703) 768-3421**

Presentations, Papers, Posters, Expert Panel Discussions are welcomed on human factors research & applications in following (but not limited to) areas:

- Human Factors Research Applications for Army, Navy, Marines, Air Force & NASA
- Department of Transportation, U.S. Coast Guard, Automotives, Federal Aviation Administration (FAA), Commercial Motor Carrier Safety, Federal Railroads Administration
- NIH, NIOSH, FDA, etc.

**Registration information:**

**Advance Registration for symposium**

**On-Site Registration on March 7<sup>th</sup>.**

(before February 15<sup>th</sup> 2002):

Day 1 (March 7<sup>th</sup>) \$25.00

Day 1 (March 7<sup>th</sup>) \$30.00

Day 2 (March 8<sup>th</sup>) \$30.00

Day 2 (March 8<sup>th</sup>) \$50.00

Both Days: \$50.00

Both Days \$75.00

**Students receive 50% off Advance or On-Site registration fees**

**Make checks out to: APA Division 21 For more information contact:**

Mail checks to Richard Kelly at:

Richard T. Kelly, Ph.D.

Pacific Science & Engineering Group, Inc.

6310 Greenwich Drive, Suite #200

San Diego, CA 92122

Gerald P. Krueger [Div. 21]: (703) 704-1801

Jane M. Arabian [Div. 19]: (703) 697-9271

Maureen L. Hunter [HFES Potomac

Chapter]: (202) 493-3383

**Symposium Housing:** For gov't employees on travel orders, Ft. Belvoir bachelor officers quarters (BOQ) are available (range \$44. to \$68.) Other suggested housing at Holiday Inn Express, Springfield, VA; (703) 644-5555; current gov't rate there is \$99. + tax.)

**Directions** to the Fort Belvoir, VA Officers Club:

From **Reagan National Airport:**

Drive 11 miles south on Route #1, Richmond Hwy.

From Route #1, turn left (East) onto Belvoir Road at the PENCE Gate (South Post);

Stop to obtain visitors' pass.

Follow Belvoir Road to 21<sup>st</sup> Street.

Turn left, go 100 yards, turn right onto Belvoir Drive.

At the fork in the road, bear left onto Woodlawn Drive to Schultz Circle. The free parking area is to the left of the Officers Club Building.